



**CONVENTION ON
MIGRATORY
SPECIES**

UNEP/CMS/COP13/Doc.15.1/Add.1/Rev.2

20 February 2020

Original: English

13th MEETING OF THE CONFERENCE OF THE PARTIES
Gandhinagar, India, 17 - 22 February 2020
Agenda Item 15.1

**NOMINATIONS OF CANDIDATES FOR PROPOSED NEW COP-APPOINTED
COUNCILLOR SUBJECT AREAS**

(Prepared by the Secretariat)

Summary:

This document contains the nominations from the Parties of candidates for the new COP-appointed Councillor subject areas proposed by the Scientific Council for the intersessional period between COP13 and COP14.

Rev.1 included an additional nomination received after the publication of the first version of the document.

Rev.2 includes three further nominations and comparative analyses of the candidates for those positions with more than one candidate.

NOMINATIONS OF CANDIDATES FOR PROPOSED NEW COP-APPOINTED COUNCILLOR SUBJECT AREAS

1. Upon instruction from the Sessional Committee of the Scientific Council, the Secretariat has sought nominations from the Contracting Parties for suitable candidates for the newly proposed COP-appointed Councillor subject areas of Terrestrial Mammals; Connectivity/Networks; Marine Pollution; Marine Fish; and Invasive Species.
2. To this effect [Notification 2019/022](#) was issued by the Secretariat on 6 December 2019. The notification included terms of reference for COP-appointed Councillors and instructions for nominating candidates, which should include a statement justifying the candidature, a CV of the candidate, as well as a declaration by the candidate expressing its readiness to accept the appointment if selected.
3. The nominations received in response to the Secretariat's call are contained in the following annexes to the present document, which constitutes an Addendum to the document [UNEP/CMS/COP13/Doc.15.1](#):

Annex 1 – Nomination of Dr Rima Jabado for the role of *COP-appointed Councillor – Marine Fish*, submitted by the Government of Australia

Annex 2 – Nomination of Dr Fernando Spina for the role of *COP-appointed Councillor – Connectivity/Networks*, submitted by the Government of Italy

Annex 3 – Nomination of Dr Urs Breitenmoser for the role of *COP-appointed Councillor – Terrestrial Mammals*, submitted by the Government of Switzerland

Annex 4 – Nomination of Dr Mark Simmonds for the role of *COP-appointed Councillor – Marine Pollution*, submitted by the Government of the Principality of Monaco

Annex 5 - Nomination of Dr Holly Jones for the role of *COP-appointed Councillor – Invasive Species*, submitted by the Government of New Zealand

Annex 6 – Nomination of Prof. Alfred Apau Oteng-Yeboah for the role of *COP-appointed Councillor – Terrestrial Mammals*, submitted by the Government of the Republic of South Africa

Annex 7 – Nomination of Prof. Rodrigo Antonio Medellín Legorreta for the role of *COP-appointed Councillor – Terrestrial Mammals*, submitted by the Government of the Plurinational State of Bolivia

Annex 8 – Nomination of Dr. Tatiani Elisa Chapla for the role of *COP-appointed Councillor – Invasive Species*, submitted by the Government of the Brazil

For positions with more than one candidate, the Secretariat prepared a comparative analysis of the candidates. A short overview of the candidates is provided in Table 1 (Terrestrial Mammals) and Table 2 (Invasive Species). The tables were compiled by the Secretariat, and reflect its interpretation of the candidates' CVs. The contents of the tables have not been reviewed or approved by the candidates.

Table 1: Nominations for the position of COP-appointed Councillor for Terrestrial Mammals

Name	Qualifications	Affiliation	Key Relevant Experience	International Policy Experience
Urs Max Breitenmoser	PhD	Centre for Fish and Wildlife Health, Vetsuisse Faculty, University of Bern KORA Foundation KORA	<ul style="list-style-type: none"> • Epidemiologist • Carnivore ecologist • Extensive research, teaching and project experience • Assessments of conservation status, conservation planning • Regional focus: Alps, wider Europe, Asia, Middle East, Africa, Latin America • Co-Chair of the IUCN/SC Cat Specialist Group, with involvement in many international projects • Member of IUCN Cat, Bear, Re-Introduction and Large Carnivore Initiative for Europe Specialist Groups, and of the Species Conservation Planning Sub-Committee 	<ul style="list-style-type: none"> • Support to the African Carnivore Initiative
Rodrigo Antonio Medellín Legorreta	PhD	Instituto de Ecología, Universidad Nacional Autónoma de México	<ul style="list-style-type: none"> • Conservation biologist • Species focus: mostly bats and jaguars • Extensive research and teaching experience • Founding member of several research initiatives related to 	<ul style="list-style-type: none"> • COP-appointed Councillor for Neotropical Fauna • Member of the IPBES (Intergovernmental Platform for Biodiversity and Ecosystem Services) MEP (Multidisciplinary Experts Panel)

Name	Qualifications	Affiliation	Key Relevant Experience	International Policy Experience
Alfred Apau Oteng-Yeboah	PhD	College of Basic and Applied Sciences, School of Biological Sciences, Department of Plant and Environmental Biology, University of Ghana	<p>bats, ecological research and conservation</p> <ul style="list-style-type: none"> • Regional focus: The Americas • Co-Chair of the IUCN Bat Specialist Group • Habitat management and restoration • Evaluation of numerous conservation initiatives and projects • Teaching experience 	<ul style="list-style-type: none"> • COP-appointed Councillor for African Fauna • Chair, 9th and 10th meeting of the Subsidiary Body on Scientific Technical and Technological Advice (SBSTTA) of the UN Convention on Biological Diversity (CBD) • Chaired many contact groups and steering groups of CBD • Member of many panels and processes • Represented Ghana in many CBD COPs and SBSTTA meetings, and in IPBES Plenaries

Table 2: Nominations for the position of COP-appointed Councillor for Invasive Species

Name	Qualifications	Affiliation	Key Relevant Experience	International Policy Experience
Tatiani Elisa Chapla	PhD	Ministry of the Environment of Brazil	<ul style="list-style-type: none"> • • Environmental Analyst • Focus: Invasive alien species management • GEF fundraising • Coordination of working groups, collaboration with domestic and international partners • Development of public policies, regulation, strategies, programmes and projects for biodiversity conservation 	<ul style="list-style-type: none"> • • Prepared technical opinion documents for and attended technical meetings of CBD, Agenda 2030, IPBES, CMS, Ramsar Convention and CITES
Holly Jones	PhD	Associate Professor, Northern Illinois University – Department of Biological Sciences and Institute for the Study of the Environment, sustainability and Energy	<ul style="list-style-type: none"> • Thematic focus: Eradication of invasive mammal predators; ecosystem restoration; climate change • Species focus: seabirds; bison • Habitat focus: Island ecosystem; prairie • Teaching experience • Communication and outreach • Editor of scientific journals 	<ul style="list-style-type: none"> •

		<p>Research Associate, Institute for Applied Ecology New Zealand, Auckland University of Technology</p> <p>Adjunct Researcher, Institute for Marine and Antarctic Studies, University of Tasmania:</p>		
--	--	--	--	--

ANNEX 1

**NOMINATION OF DR RIMA JABADO FOR THE ROLE OF
COP-APPOINTED COUNCILLOR – MARINE FISH**

(submitted by the Government of Australia)

Marco Barbieri

From: Narelle Montgomery <Narelle.Montgomery@environment.gov.au>
Sent: Monday, 6 January 2020 06:43
To: 'CMS Secretariat'
Cc: Marco Barbieri; Vittoria Semplici (Affiliate); Melanie Virtue; geoff.richardson [ENVIRONMENT GOV]; Fiona Bartlett; Mark Carey; 'Rima Jabado'
Subject: Nomination for COP-Appointed Councillor for Marine Fish [SEC=OFFICIAL] [SEC=UNCLASSIFIED]
Attachments: cop-appt councillor marine fish - justification_rima jabado.docx; cop-appt councillor for marine fish - cv_rimajabado.pdf; cop-appt councillor for marine fish - declaration_rima jabado.pdf

Dear CMS Secretariat

Australia appreciates the opportunity to nominate a suitable expert for the new position of CoP-Appointed Councillor for Marine Fish. We believe that CoP-Appointed Councillors play a very important role in the Convention through their support of the work of both the Scientific Council and the Conference of Parties.

Australia has looked carefully at the position for the CoP-Appointed Councillor for Marine Fish, as we recognise the interest and importance of that position due to the complexities of the issues associated with species the position covers.

Australia is pleased to nominate Dr Rima Jabado for the position of CoP-Appointed Councillor for Marine Fish. Dr Jabado has extensive experience with marine fish through her background in marine sciences and over seventeen years of experience working on fisheries management, marine threatened species research, and various conservation projects. Importantly, she also has experience with CMS through her involvement as a member of the Advisory Committee for the CMS Sharks MoU. Dr Jabado is eminently suitable for the new CoP-Appointed Councillor position, and would bring with her an extensive range of experience, appropriate for such a position.

Please find attached Dr Jabado's justification for nomination, CV and letter of willingness.

Please let me know if you require any further information, or supporting documentation, at this stage.

Kind regards – Narelle

Narelle Montgomery
 CMS Scientific Councillor for Australia
 Assistant Director
 Migratory Species Section
 Department of the Environment and Energy
 p: 6274 2818 | f: 6275 9374 | e: narelle.montgomery@environment.gov.au

Please note that I am in the office Mon - Thurs (9.15am - 2.15pm)

Justification for the nomination of Dr. Rima Jabado for the role of COP-appointed Councillor – Marine Fish

Australia would like to nominate Dr Rima Jabado for the newly created role of *COP-appointed Councillor – Marine Fish*. Dr Jabado has an extensive background in marine sciences and over seventeen years of experience working on fisheries management, marine threatened species research, and conservation projects around the world.

Dr Jabado's career in the field of fisheries science and management has been focused on achieving change through the translation of research into conservation and social outcomes. She has led, supervised, advised on, and been involved in a diversity of scientific projects, as well as community initiatives, allowing her to gain a great deal of experience working with multiple stakeholders including non-governmental organizations, research institutions, fishers, scientists, resource managers, and government officials. Day to day tasks have included activities as diverse as field work, interviewing fishers in remote areas, developing and implementing strategies at national and regional levels, training students in field and laboratory settings, planning and developing conservation strategies, briefing and advising ministers on fisheries policies, writing peer-reviewed articles, and presenting at international conferences.

Specifically, Dr Jabado has worked at the interface of science and policy in two regions that are underrepresented in the CMS Scientific Council, namely, the northwest Indian Ocean (Middle East) and West Africa. This experience will not only bring diversity to the Scientific Council but will also allow her to provide input and insights into key challenges faced in the implementation of CMS Resolutions and Decisions as well as recommendations on how to address critical conservation issues. For example, since 2018, Dr Jabado has been working as a consultant for CMS on a project focused on minimizing bycatch of seabirds and sea turtles in industrial fisheries in West Africa. Through this project, she has been working across seven countries (Cape Verde, Mauritania, Guinea, Guinea-Bissau, Senegal, Sierra Leone, and The Gambia) to review and update national policies and regional agreements related to bycatch and fisheries management. She has widely consulted with stakeholders from the environmental and fisheries sectors and understand their capacity needs and limitations in terms of governance, technical assistance, and resources in relation to CMS and the implementation of other international agreements.

Dr Jabado also has experience with CMS and other relevant international forums, having been appointed as a representative for the Asia region for the CMS Sharks Memorandum of Understanding Advisory Committee, where she is now serving her second three-year term, as well as the International Union for Conservation of Nature Shark Specialist Group Regional Vice-Chair for the Indian Ocean.

In 2019, Dr Jabado was awarded a Pew Fellowship in Marine Conservation as well as a Save Our Seas Fellowship to support projects related to Rhino Rays (wedgetfishes and guitarfishes). Several species from this group have been listed on CMS and Concerted Actions have been proposed for consideration at COP13. Her understanding of their biology and their conservation needs allowed Dr Jabado to review some of the initial listing proposals for these species and would allow her to provide support and advice to Parties regarding priority actions, if Concerted Actions are agreed in future.

These fellowships and roles have allowed Dr Jabado to build strong professional networks with other individuals working on key marine conservation issues across the globe and also exposed her to the functioning behind many multi-lateral environmental agreements including CMS, the Convention on International Trade in Endangered Species of Flora and Fauna (CITES), the Convention on Biological Diversity, and several Regional Fisheries Management Organizations. Since 2013, Dr Jabado has been heavily involved in supporting governments to implement trade controls for CITES listed shark and ray species. This has involved the development of visual identification tools, training fisheries and customs officials in over 20 capacity building workshops around the world, and offering guidance to governments on legislative and policy updates. This range of experience will allow her to create synergies across CMS agreements as well as link the Scientific Council Programme of Work to other activities related to marine species listed on multiple international agreements.

Finally, Dr Jabado has lived in many countries around the world including Greece, Canada, South Korea, Australia, and the United Arab Emirates and speaks English, French, Arabic, Greek and Italian. These diverse living experiences and language skills enables Dr Jabado to understand cultural and social sensitivities associated with international work and get on well with a wide range of colleagues and collaborators.

Dr Jabado's background, skills and experience are well suited to the CMS and will enable her to provide sound scientific guidance on the complex issues associated with many migratory marine fish.

Dr. Rima Jabado
Elasmo Project
P.O. Box 29588
Dubai, UAE

January 2nd, 2020

To:

Mrs Narelle Montgomery
CMS Scientific Councillor for Australia
Assistant Director
Migratory Species Section
Department of Environment and Energy

Dear Mrs Montgomery,

I would like to thank the Australian government for nominating me to the role of *COP-appointed Councillor – Marine Fish*. Should Convention on Migratory Species (CMS) Parties agree to my appointment at the 13th meeting of the Conference of Parties to the CMS held in Gandhinagar, India from February 15 to 22 2020, I confirm with this letter that I will accept the position.

I assure you that I will put in the best of my efforts and dedication to ensure all the expectations from this role as specified in the CMS Notification 2019/022 (Notification to the Parties – Nomination of Candidates for the New COP-Appointed Councillor Subject Areas) will be honored during my appointment term.

Sincerely,

A handwritten signature in black ink, appearing to read 'Rima Jabado', with a stylized flourish at the end.

Rima

Rima W Jabado, PhD
P.O. Box 29588 - Dubai, UAE
E rima@elasmoproject.com

EDUCATION

2010-2014	United Arab Emirates University PhD , Environmental Science and Ecology	Al Ain, UAE
2006-2007	James Cook University Masters , Applied Science, Natural Resource Management	Townsville, Australia
1997-2002	Concordia University Graduate Diploma , Public Relations Bachelor of Arts , Degree in Political Science and International Relations	Montréal, Canada

PROFESSIONAL EXPERIENCE

2018 - ongoing	United Nations Environment Program – Convention on Migratory Species (CMS) Consultant	
	<ul style="list-style-type: none">▪ Coordinate the overall implementation of the CMS component of the project 'Minimizing bycatch of seabirds and sea turtles in West African industrial fisheries' managed by BirdLife International;▪ Review national and regional fisheries legislation across Sub-Regional Fisheries Commission countries (Mauritania, Senegal, Cape Verde, The Gambia, Guinea-Bissau, Guinea, Sierra Leone) and make recommendations on bycatch gaps and how to fill them; and▪ Develop a regional bycatch mitigation roadmap.	
2018 - 2019	Wildlife Conservation Society (WCS) Consultant	Dubai, UAE
	<ul style="list-style-type: none">▪ Provide training on the visual identification of shark and ray species products (fins and gill plates) to support the implementation of the Convention on International Trade in Endangered Species (CITES).	
2013 - 2019	International Fund for Animal Welfare (IFAW) Consultant	Dubai, UAE
	<ul style="list-style-type: none">▪ Facilitate capacity building workshops in the UAE, Yemen, Egypt, Mauritania, and Oman for government and customs officials specific to the implementation of shark and ray CITES listings.	
2015 – 2018	Environment Agency – Abu Dhabi Fisheries scientist	Abu Dhabi, UAE
	<ul style="list-style-type: none">▪ Support the coordination and implementation of fisheries assessment and monitoring programs (e.g., research trawl surveys, stake net fishery evaluation);▪ Provide technical input and guidance for the effective implementation of the UAE Sustainable Fisheries Program;▪ Develop a National Plan of Action for the Conservation and Management of Sharks;	

- Organize the first IUCN Red List regional assessment for sharks, rays, and chimaeras in the Arabian Sea and adjacent waters;
 - Document fish diversity by developing and setting up the first fish voucher specimen collection in the region;
 - Lead the development of scientific research programs focused on the impact of fisheries on commercially important teleost and elasmobranch species.
- 2013 - 2014 Ministry of Climate Change and Environment Fisheries expert Dubai, UAE
- Review status of fisheries sector and develop national policy framework;
 - Develop fisheries legislations and policies taking into consideration international obligations and the best available scientific information;
 - Evaluate current research activities and develop a program of studies including research on fish stock assessments, bycatch, and critical habitats for commercially important and threatened species;
 - Review fisheries statistics and trade data and develop a plan to improve the current fisheries information system;
 - Build technical and research capacity of Ministry staff.
- 2008 - 2010 Emirates Marine Environmental Group (EMEG) Marine Program Director Dubai, UAE
- Lead overall strategic direction of marine program and generate research funding;
 - Initiate and facilitate new conservation projects in partnership with other environmental groups while maintaining and building strategic liaisons with government agencies and industry at local, regional and international levels;
 - Carry out research projects on coral restoration, nesting hawksbill turtles (*Eretmochelys imbricata*), conservation genetics, water quality, waste removal, and impact of development on seagrass beds;
 - Develop and promote educational programs, environmental awareness events; and
 - Plan, develop, and direct marketing efforts including rebranding, creation of a website, and a corporate portfolio.

RESEARCH EXPERIENCE

- 2010 - ongoing Elasmo Project Founder and Lead Scientist Dubai, UAE
- Set up and/or supervise projects investigating shark and fisheries and trade in shark products in the UAE, Senegal, Mauritania, India, Sri Lanka, Iran, Angola, and Cape Verde;
 - Develop landing site and market monitoring protocols to gather data on the diversity, abundance, and distribution of sharks and rays in the region;
 - Undertake research through collaborations with regional and international institutions to examine the regional genetic structure of sharks and rays;
 - Train customs officers and fisheries enumerators in shark identification, market sampling, fin identification, and data analysis;
 - Carry out school and community presentations and workshops to educate stakeholders and the community about the status of sharks;
 - Set up the 'YOUR eyes on elasmos' citizen science initiative to promote the reporting of sharks and rays in the Arabian Gulf region.

- 2018 - 2019 Emirates Nature – World Wildlife Fund Sharjah, UAE
- Lead and coordinate shark and ray assessment surveys on Sir Bu Nair island using Baited Remote Underwater Video Surveys.
- 2017 Shark Population Assessment Group Florida, US
- Participate in NOAA Marine Fisheries field work in the Everglades National Park;
 - Assist in fishery-independent surveys aimed at collecting biological and movement data of sawfishes and juvenile sharks using gillnets and acoustic telemetry.
- 2016 - 2017 Qeshm Island Elasmobranch Project Qeshm Island, Iran
- On-site training and capacity building of project staff for data collection and shark identification.
- 2014 - 2018 Indian Shark Conservation Project Gujarat, India
- Supervise projects aimed at understanding stakeholder involvement in shark fisheries and conservation on the west coast of India;
 - Assess and identify gaps in fisheries and trade data;
 - On-site training and capacity building of project staff, students, and stakeholders for data collection and analysis, shark identification, and database creation.
- 2012 Qatar Ministry of Environment Doha, Qatar
- Develop methodologies for dugong data collection in Qatari waters;
 - Undertake a feasibility study for aerial monitoring of dugongs using gyrocopters.
- 2010 - 2017 Shark Watch Arabia Dubai, UAE
- Assist with field work aimed at assessing the ecology of whale sharks in the Arabian region including regular field trips to Al Shaheen in Qatar, undertaking plankton tows, satellite tagging, and collecting genetic samples;
 - Organize community and stakeholder presentations across the UAE to promote whale shark sightings reporting.
- 2016 UAE Fisheries Resources Assessment Survey Abu Dhabi, UAE
- Work with the New Zealand National Institute of Water and Atmospheric Research to plan and implement a fisheries survey across UAE waters;
 - Participate in trawl and trap surveys and work on deck to sort catches, identify marine organisms, and collect biological data (e.g., gonads, otolith, tissue samples);
- 2007 James Cook University Townsville, Australia
- Study patterns of light availability in intertidal and subtidal seagrass meadows (*Halophila*, *Halodule*, and *Cymodocea* species) from Picnic Bay, Magnetic Island.
- 2007 James Cook University Townsville, Australia
- Study the anatomy of the dugong (*Dugong dugon*) ear and implications for the management of vessel traffic;
 - Assist in dugong necropsies and head dissections to investigate inner ear structure to photo-document soft tissues and measure external features.

2006 - 2007	Reef HQ Aquarium	Townsville, Australia
	<ul style="list-style-type: none"> ▪ Assist aquarists with animal husbandry techniques, feeding, water quality analysis, maintenance of aquarium systems, as well as routine cleaning and upkeep of equipment and husbandry areas; ▪ Conduct feeding and work ups of juvenile leopard sharks (<i>Stegostoma fasciatum</i>) including monitoring and documenting embryo development within egg cases; ▪ Support the rehabilitation of sick or injured marine turtles. 	
2006 - 2007	Reef Check Australia	Townsville, Australia
	<ul style="list-style-type: none"> ▪ Train volunteers in coral reef ecology, identifying threats to corals (human impacts and diseases), and monitoring techniques; ▪ Coordinate, lead, and conduct surveys to identify a range of coral reef organisms, substrates, and invertebrates across the Great Barrier Reef Marine Park. 	
2003	Bimini Biological Field Station, "Shark Lab"	Bimini, The Bahamas
	<ul style="list-style-type: none"> ▪ Compile and analyze data to assist with research on the diet and prey selectivity of nursery-bound juvenile lemon sharks (<i>Negaprion brevirostris</i>); ▪ Participate in shark tagging and tracking trips; conduct gill and block netting, beam trawling, and seining for prey species and biodiversity studies of mangrove and seagrass communities; ▪ Collect field data on fish habitat and assist in the identification, measurement and quantification of marine organisms within that ecosystem including the development of a fish bone collection. 	
2002	White Shark Trust	Gainsbaii, South Africa
	<ul style="list-style-type: none"> ▪ Photograph and identify great white sharks (<i>Carcharodon carcharias</i>) to determine population structure and dynamics; ▪ Collect and create database on sex, estimated length, and fin and body markings of observed sharks. 	
2001	Wild Dolphins Societies, Mote Marine Laboratory	Sarasota, US
	<ul style="list-style-type: none"> ▪ Survey bottlenose dolphin (<i>Tursiops truncatus</i>) communities to examine population biology, ecology, habitat use, social structure, and development; ▪ Analyze human impacts on their health and behavior to assist wildlife management agencies with the conservation of this species in U.S. waters. 	

MEMBERSHIPS

2018 - ongoing	IUCN Marine Conservation Committee Member
2018 - ongoing	United Nations Convention on Migratory Species – Scientific Council Invited expert – Aquatic Wild Meat Working Group
2016 - ongoing	United Nations Convention on Migratory Species -- Sharks MOU Invited expert -- Conservation Working Group
2016 - ongoing	United Nations Convention on Migratory Species Sharks MOU Advisory Committee Asia region representative -- Advisory Committee

- 2015 - 2018 UAE Sustainable Fisheries Program
Member -- Scientific and Technical Committee
- 2013 - ongoing IUCN Shark Specialist Group
Regional Vice-Chair – Indian Ocean Region (since 2016), Member

PUBLICATIONS

Books

1. Jabado RW. 2019. Wedgefishes and Giant Guitarfishes: A Guide to Species Identification. *Wildlife Conservation Society (WCS), New York, United States*. 30 pp. [Available in English and French]
2. Jabado RW, Kyne PM, Pollom RA, Ebert DA, Simpfendorfer CA, Ralph GM, Dulvy NK (eds.) 2017. The conservation status of sharks, rays, and chimaeras in the Arabian Sea and adjacent waters. *Environment Agency – Abu Dhabi, UAE and IUCN Species Survival Commission Shark Specialist Group, Vancouver, Canada*. 236 pp.
3. Jabado RW, Ebert D. 2015. Sharks of the Arabian Seas: an identification guide. *International Fund for Animal Welfare (IFAW), Dubai, UAE*. 240 pp. ISBN: 978-9948-18-254-2.
4. Jabado RW, Javelle C. 2013. Marine ecosystems in the United Arab Emirates: an educational resource. *Emirates Foundation, Emirates Marine Environmental Group, Dubai, UAE*. 206 pp.

Journal publications – International and peer-reviewed

1. Ben-Romdhane H, Jabado RW, Grandcourt EM, Perry RJ, Al Blooshi AY, Marpu P, Ouarda TBMJ, Ghedira H. 2019. Coral reefs of Abu Dhabi, United Arab Emirates: Analysis of management approaches in light of international best practices and a changing climate. *Frontiers in Marine Science*. In press
2. Kyne PM, Jabado RW, Rigby CL, Dharmadi, Gore MA, Pollock CM, Herman KB, Cheok J, Ebert DA, Simpfendorfer CA, Dulvy NK. The thin edge of the wedge: extremely high extinction risk in wedgefishes and giant guitarfishes. *Aquatic Conservation: Marine and Freshwater Ecosystems*. In press
3. Notarbartolo di Sciara G, Adnet S, Bennett M, Broadhurst MK, Fernando D, Jabado RW, Laglbauer BJL, Stevens G. 2019. Taxonomic status, biological notes, and conservation of the longhorned pygmy devil ray, *Mobula eregoodoo* (Cantor, 1849). *Aquatic Conservation: Marine and Freshwater Ecosystems*. 1-19
4. Chin A, Baje L, Donaldson T, Gerhardt K, Jabado RW, Kyne PM, Mana R, Mescam G, Mourier J, Planes S, Ward J, Wen C. 2019. The scientist abroad: maximizing research impact and effectiveness when working as a visiting scientist *Biological Conservation*, 238: Article 108231
5. Karnad D, Sutaria D, Jabado RW. 2019. Local drivers of declining shark fisheries in India. *Ambio*, Online first
6. Corrigan S, Lowther AD, Beheregaray LB, Bruce DB, Cliff G, Duffy CA, Foulis A, Francis MP, Goldsworthy SD, Hyde JR, Jabado RW, Kacev D, Marshall L, Mucientes G, Naylor G, Pepperell J, Queiroz N, White W, Wintner S, Rogers PJ. 2018. Population connectivity of the highly migratory shortfin mako (*Isurus oxyrinchus* Rafinesque 1810) and implications for management in the Southern Hemisphere. *Frontiers in Ecology and Evolution*, 6:187.
7. Jabado RW, Al Hameli S, Grandcourt EM, Al Dhaheri S. 2018. Baited remote underwater video system (BRUVS) survey of elasmobranch abundance and distribution in the Arabian Gulf. *Scientific Reports*, 8:15597.

8. Tyabji Z, Jabado RW, Sutaria D. 2018. New records of sharks (Elasmobranchii) from the Andaman and Nicobar Archipelago in India with notes on current checklists. *Biodiversity Data Journal*, 6: e28593.
9. Jabado RW, Kyne PM, Pollom RA, Ebert DA, Simpfendorfer CA, Ralph GM, Al Dhaheri SS, Akhilesh KV, Ali K, Ali MH, Al Mamari TMS, Bineesh KK, El Hassan IS, Fernando D, Grandcourt EM, Khan MM, Moore ABM, Owfi F, Robinson DP, Romanov E, Soares A, Spaet JLY, Tesfamichael D, Valinassab T, Dulvy NK. 2018. Troubled waters: Threats and extinction risk of the sharks, rays and chimaeras of the Arabian Sea and adjacent waters. *Fish and Fisheries*, 19(6): 1043-1062.
10. Barnes A, Sutaria D, Harry A, Jabado RW. 2018. Demographics and length – weight relationships of commercially important sharks along the northwestern coast of India. *Aquatic Conservation: Marine and Freshwater Ecosystems*, 28(6): 1374-1383.
11. Jabado RW. 2018. The fate of the most threatened order of elasmobranchs: shark-like batoids (Rhinopristiformes) in the Arabian Seas. *Fisheries Research*, 204: 448 – 457.
12. Jabado RW, Kyne PM, Nazareth E, Sutaria DN. 2018. New record of the elusive Critically Endangered Ganges shark, *Glyphis gangeticus*, from India. *Journal of Fish Biology*, 92(5):1663-1669.
13. Whelan R, Jabado RW, Clarke C, Bin Muzaffar S. 2017. Observations of rays and guitarfishes (Batoidea) in shallow waters around Siniya Island, Umm al-Quwain, United Arab Emirates. *Tribulus*, 25: 76-79.
14. Robinson DP, Jaidah M, Bach S, Rohner CA, Jabado RW, Ormond R, Pierce SJ. 2017. Some like it hot: Repeat migration and residency of whale sharks within an extreme natural environment. *PLOS One*, 12(9): e0185360.
15. Robinson DP, Jabado RW, Rohner CA, Pierce SJ, Hyland KP, Baverstock WR. 2017. Satellite tagging of rehabilitated green sea turtles *Chelonia mydas* from the United Arab Emirates, including the longest tracked journey for the species. *PLOS One*, 12(9): e0184286.
16. Jabado RW, Spaet JLY. 2017. Elasmobranch fisheries in the Arabian Seas Region: Characteristics, trade and management. *Fish and Fisheries*, 18(6): 1096 – 1118.
17. Jabado RW, Al Baharna RA, Al Ali SR, Al Suwaidi KO, Al Blooshi AY, Al Dhaheri SS. 2017. Is this the last stand of the Critically Endangered green sawfish *Pristis zijsron* in the Arabian Gulf? *Endangered Species Research*, 32: 265 – 275.
18. Natoli A, Phillips KP, Richardson DS, Jabado RW. 2017. Low genetic diversity after a bottleneck in a population of a Critically Endangered migratory marine turtle species. *Journal of Experimental Marine Biology and Ecology*, 491: 9 – 18.
19. Notarbartolo Di Sciara G, Adnet S, Fernando D, Jabado RW. 2017. Mobulid rays (Chondrichthyes: Mobulidae) of the Arabian Seas, with a redescription of *Mobula kuhlii* (Valenciennes in Müller & Henle, 1841). *Aquatic Conservation: Marine and Freshwater Ecosystems*, 27(1): 197 – 218.
20. Robinson DP, Jaidah M, Bach S, Lee K, Jabado RW, Rohner CA, March A, Caprodossi S, Henderson AC, Mair JM, Ormond R, Pierce SJ. 2016. Population structure, abundance and movement of whale sharks in the Arabian Gulf and the Gulf of Oman. *PLOS One*, 11(6): e0158593.
21. Jabado RW, Al Ghais SM, Hamza W, Robinson DP, Henderson AC. 2016. Biological data on shark species landed within the United Arab Emirates artisanal fishery. *African Journal of Marine Science*, 38(2): 217 – 232.
22. Henderson AC, Reeve AJ, Jabado RW, Naylor GJP. 2016. Taxonomic assessment of sharks, rays and

- guitarfishes (Chondrichthyes: Elasmobranchii) from south-eastern Arabia, using the NADH dehydrogenase subunit 2 (NADH2) gene. *Zoological Journal of the Linnean Society*, 176(2): 399 – 442.
23. Sutaria D, Parikh A, Barnes A, [Jabado RW](#). 2015. First record of the sandbar shark, *Carcharhinus plumbeus* (Chondrichthyes: Carcharhiniformes: Carcharhinidae) from Indian waters. *Marine Biodiversity Records*, 8: e126.
 24. [Jabado RW](#), Al Ghais SM, Hamza W, Henderson AC, Al Mesafri AA. 2015. The diet of two commercially important species in United Arab Emirates waters: the milk shark, *Rhizoprionodon acutus* (Rüppell, 1837) and slit-eye shark, *Loxodon macrorhinus* (Müller & Henle, 1839). *Journal of Applied Ichthyology*, 31(5): 870 – 875.
 25. Spaet JLY, [Jabado RW](#), Henderson AC, Moore ABM, Berumen ML. 2015. Population genetics of four heavily exploited shark species around the Arabian Peninsula. *Ecology and Evolution*, 5(12): 2317 – 2332.
 26. [Jabado RW](#), Al Ghais SM, Hamza W, Henderson AC, Spaet JLY, Shivji MS, Hanner R. 2015. The trade in sharks and their products in the United Arab Emirates. *Biological Conservation*, 181C: 190 – 198.
 27. [Jabado RW](#), Al Ghais SM, Hamza W, Henderson AC, Shivji MS. 2015. Shark diversity in the Arabian/Persian Gulf higher than previously thought: insights based on species composition of shark landings in the United Arab Emirates. *Marine Biodiversity*, 45(4): 719 – 731.
 28. [Jabado RW](#), Al Ghais SM, Hamza W, Henderson AC. 2015. The shark fishery in the United Arab Emirates: an interview based approach to assess the status of sharks. *Aquatic Conservation: Marine and Freshwater Ecosystems*, 25: 800 – 816.
 29. Chang CH, [Jabado RW](#), Lin YS, Shao KT. 2015. The complete mitochondrial genome of the sand tiger shark, *Carcharias taurus* (Chondrichthyes, Odontaspidae). *Mitochondrial DNA*, 26(5): 728 – 729.
 30. Moore ABM, Almojil D, Harris M, [Jabado RW](#), White WT. 2013. New biological data on the rare, threatened shark *Carcharhinus leiodon* (Carcharhinidae) from the Persian Gulf and Arabian Sea. *Marine and Freshwater Research*, 64: 1 – 6.
 31. Robinson DP, Jaidah MY, [Jabado RW](#), Lee-Brooks K, Nour El-Din NM, Al Malki AA, Elmeer K, McCormick P, Henderson AC, Ormond RFG. 2013. Whale sharks, *Rhincodon typus*, aggregate around offshore platforms in Qatari waters of the Arabian Gulf to feed on fish spawn. *PLOS One*, 8(3): e58255.
 32. [Jabado RW](#), Al Ghais SM, Hamza W, Henderson AC, Ahmad MA. 2013. First record of the sand tiger shark, *Carcharias taurus*, from United Arab Emirates waters. *Marine Biodiversity Records*, 6: e27.



CONFERENCES & WORKSHOPS

- | | |
|------|--|
| 2019 | <p>International Commission for the Conservation of Atlantic Tunas Mallorca, Spain
 26th Regular meeting of the Commission
 Observer for UNEP-CMS</p> <p>Convention on International Trade in Endangered Species of Flora and Fauna (CITES) Conference of Parties (CoPI8) Geneva, Switzerland
 Conference participant</p> |
|------|--|

	UN-FAO Guidance on the collection and reporting of use, markets, and market chain information for shark and ray commodities Workshop participant (<i>Invited</i>)	Cochin, India
	CITES Regional Pre-Conference of Parties coordination workshop Workshop participant (<i>Invited</i>)	Amman, Jordan
2018	UN-FAO Improve the identification of shark species from shark fin imagery workshop Workshop participant (<i>Invited</i>)	Vigo, Spain
	IUCN Shark Specialist Group Red List workshop Workshop participant for pelagic species Red List assessments (<i>Invited</i>)	Dallas, United States
	Illegal Wildlife Trade Conference Conference participant	London, United Kingdom
	1 st Abidjan Aquatic Wildlife Partnership Workshop UNEP-CMS representative <i>Presentation:</i> The role of CMS in combatting illegal aquatic wild meat trade	Abidjan, Ivory Coast
	3 rd Sharks International Conference Keynote speaker (<i>Invited</i>) <i>Presentation:</i> Shark fisheries and trade: Research priorities in data-poor areas	Joao Pessoa, Brazil
	Steering Committee and inception workshop of bycatch action plan <i>Presentation:</i> Policy and advocacy to minimize seabird and sea turtle bycatch in West African fisheries	Dakar, Senegal
	IUCN Shark Specialist Group Red List workshop Workshop participant for sub-equatorial Red List assessments (<i>Invited</i>)	Grahamstown, South Africa
2017	CMS Sharks MoU Conservation Working Group Workshop participant (<i>Invited</i>)	Kralendijk, Bonaire
	IUCN Sawfish Strategy Meeting Northwest Indian Ocean representative (<i>Invited</i>) <i>Presentation:</i> Sawfishes of the Arabian Seas – a review of records	Atlanta, US
	10 th Indo-Pacific Fish Conference <i>Presentation:</i> The conservation status of sharks, rays, and chimaeras in the Arabian Sea and adjacent waters	Tahiti, French Polynesia
	CMS Dugong MoU Meeting of Signatories Workshop participant (<i>Invited</i>): Dugong and seagrass research toolkit	Abu Dhabi, UAE
	European Elasmobranch Association Conference Conference participant	Bristol, UK
	CMS Sharks MoU Conservation Working Group Workshop participant (<i>Invited</i>)	Bristol, UK
	Workshop on shark and ray conservation in the Gulf <i>Presentation:</i> Progress in shark and ray research in the Arabian Seas region	Qeshm Island, Iran
	American Elasmobranch Association Meeting <i>Presentation:</i> The Last Stand of the Critically Endangered Green Sawfish, <i>Pristis zijsron</i> , in the Arabian Gulf?	New Orleans, US

	CMS Sharks MoU Meeting of Signatories <i>Side event: A review of the National Plan of Action for Sharks in the UAE</i>	San Jose, Costa Rica
2015	Indian Ocean Tuna Commission Capacity Building Workshop <i>Presentation: Shark identification in the Arabian Seas region</i>	Muscat, Oman
	Eye on Earth Summit <i>Side event: The importance of citizen science for shark research (Invited)</i>	Abu Dhabi, UAE
	Fisheries Society of the British Isles Symposium on the 'Biology, Ecology and Conservation of Elasmobranchs' <i>Presentation: Batoids landed in the United Arab Emirates artisanal fishery</i> <i>Poster: Mobulid rays (Chondrichthyes: Mobulidae) from the Arabian seas, with a redescription of <i>Mobula kuhlii</i> (Valenciennes in Müller & Henle, 1841)</i>	Plymouth, UK
	Ecologically or Biological Significant Marine Areas (EBSA) Workshop participant (<i>Invited</i>)	Dubai, UAE
2014	2 nd Sharks International Conference <i>Presentation: Arabian sharks: fishing, processing and trade. What's really happening?</i>	Durban, South Africa
	Marine Turtle Conservation Project Stakeholders Workshop Workshop participant (<i>Invited</i>)	Dubai, UAE
2013	Consultative Workshop on Transparent and Traceable fishing in the Indian Ocean: a call for regional collaboration Workshop participant (<i>Invited</i>)	Dubai, UAE
	9 th Indo-Pacific Fish Conference <i>Presentation: Status and biodiversity of sharks in the United Arab Emirates</i>	Okinawa, Japan
2012	Shark Conservation in Arabia Workshop <i>Presentation: The shark fishery and trade from the United Arab Emirates (Invited)</i>	Dubai, UAE
	IUCN SSC Specialist Group Chairs meeting <i>Keynote presentation: Sharks in the United Arab Emirates (Invited)</i>	Abu Dhabi, UAE
	Coral reefs of the Gulf conference Conference participant (<i>Invited</i>)	Abu Dhabi, UAE
2011	15 th European Elasmobranch Association <i>Presentation: The shark fishery and fin trade in the United Arab Emirates</i>	Berlin, Germany
	2 nd International Marine Conservation Congress (IMCC) <i>Presentation: Sharks of the United Arab Emirates: an investigation based on fishermen interviews and market surveys</i>	Victoria, Canada
	The state of the Gulf ecosystem: functioning and services <i>Poster: The characteristics of the shark fishery in the United Arab Emirates</i>	Kuwait City, Kuwait
2010	14 th European Elasmobranch Association <i>Presentation: The status of sharks in the United Arab Emirates</i>	Galway, Ireland
	30 th International Sea Turtle Symposium <i>Presentation: The status of sea turtles in Dubai, UAE</i>	Panaji, India
	Biodiversity Conservation in the Arabian Peninsula Conference participant (<i>Invited</i>)	Sharjah, UAE

	10	RW Jabado
2009	1 st Arabian Whale Shark Symposium and Workshop Workshop participant (<i>Invited</i>)	Fujeirah, UAE
	1 st International Marine Conservation Congress (IMCC) Conference participant	Fairfax, US
	United Nations University (INWEH) Workshop participant (<i>Invited</i>): Marine and coastal environmental monitoring methods; fish censuses, water quality sampling, laboratory analysis.	Dubai, UAE
	Offshore Arabia 2009, Conference and Exhibition Workshop participant (<i>Invited</i>)	Dubai, UAE
2008	TOTAL Foundation – Marine Turtle Conservation Workshop Workshop participant (<i>Invited</i>)	Muscat, Oman
	Regional Symposium: Biology, Assessment, and Management of Groupers Symposium participant (<i>Invited</i>)	Abu Dhabi, UAE



RESEARCH GRANTS, FELLOWSHIPS, AND AWARDS

2020-2021	Save Our Seas Foundation Fellowship
2019-2021	Pew Fellowship in Marine Conservation
2018-2019	Shark Foundation
2017	Save Our Seas Foundation
2017	Convention on Migratory Species (CMS) Sharks MoU Small Grants and International Fund for Animal Welfare
2015	Emirates Diving Association
2014	Convention on Migratory Species (CMS) Sharks MoU and International Fund for Animal Welfare
2014	Emirates Natural History Group
2013	Save Our Seas Foundation
2013	Institute of International Education
2012	Bish Brown Award
2012	Ford Motor Company Conservation and Environmental Grants
2012	Emirates Marine Environmental Group
2011	Emirates Natural History Group
2010	United Arab Emirates University
2010	Emirates Foundation



MENTORSHIP AND KNOWLEDGE TRANSFER

Mentorship

2019 - ongoing	<i>Assessing the status of giant guitarfishes (<i>Glaucoctegus</i> sp.) and the role of coastal habitats in their life histories in Andaman Islands, India</i>
2019 - ongoing	<i>Habitat utilization, diversity, and demographic population structure of elasmobranchs along mangroves in Abu Dhabi</i>
2018 - ongoing	<i>Data on sharks and rays from landing site surveys on Qeshm Island, Iran</i>
2017 - 2019	<i>The shark fishery in the Andaman and Nicobar Islands, India</i>

2016 - ongoing	<i>Investigating artisanal shark and ray fisheries in Angola</i>
2016 - ongoing	<i>Safeguarding elasmobranch diversity to ensure the sustainability of Iranian fisheries and their value chain</i>
2016 - 2018	<i>Assessing the impact of the Hadrah (stake-net fishery) on commercially important fish stocks in the UAE</i>
2014 - 2016	<i>Understanding stakeholder involvement in shark fisheries and conservation on the northwest coast of India</i>
2014 - 2015	<i>Population characteristics, demography and morphometric relationships of the most abundant species of sharks captured by gill and trawl nets in the landing sites of Porbandar, Gujarat</i>

Knowledge transfer

2019	Workshop on CITES Implementation for Sharks and Rays Training in species identification and shark and ray product identification.	Dakar, Senegal
2019	Workshop on CITES Implementation for Sharks and Rays Training in species identification and shark and ray product identification.	Male, Maldives
2019	Workshop on CITES Implementation for Sharks and Rays Training in species identification and shark and ray product identification.	Mombasa, Kenya
2018	Workshop on CITES Implementation for Sharks and Rays Training in species identification and shark and ray product identification.	Jakarta, Indonesia
	Regional Workshop on CITES Implementation for Sharks and Rays Training in species identification and shark and ray product identification.	Muscat, Oman
2017	Workshop on Fish Identification and Developing a Fish Collection Training in fish identification, fish preservation, and cataloging specimens.	Abu Dhabi, UAE
	CITES Implementation Workshop Training in CITES listed marine species and shark fin identification.	Muscat, Oman
2016	Elasmobranchs in the Gulf Training Workshop Fisheries data collection methods and guidelines, shark identification.	Qeshm island, Iran
	Workshop on Fisheries Data Collection Fisheries data collection methods and guidelines, shark identification.	Abu Dhabi, UAE
	Workshop on Data Collection Methods during Trawl Surveys Training in fish identification, collection of biological data and genetic samples.	Abu Dhabi, UAE
2015	CITES and the Illegal Trade in Marine Species Training in CITES listed marine species and shark fin identification.	Muscat, Oman
	Regional Observer Scheme Evaluation, Training and Planning Workshop Fisheries data collection methods and guidelines, shark identification.	
2014	Curbing Illegal Wildlife Trade Workshop Training in CITES implementation and shark and ray product identification.	Nouakchott, Mauritania
	Training Workshop on Sharks and Other Marine Species Trafficking Training in shark and ray product identification.	Dubai, UAE

	Training Workshop on Shark Data Collection Training in shark and ray identification, collection of biological data.	Mumbai, India
2013	Regional Workshop on the Illegal Trafficking of Marine Species Training in species identification and shark and ray product identification.	Hurghada, Egypt
	Curbing Illegal Wildlife Trade Workshop Training in CITES implementation and shark fin identification.	Mukalla, Yemen
2012	Shark Conservation in Arabia Workshop Training in shark fin identification.	Dubai, UAE
2011	Workshop on Fisheries Data Collection Fisheries data collection methods and guidelines, shark identification.	Abu Dhabi, UAE



PROFESSIONAL SERVICE AND LANGUAGE SKILLS

Peer-review (journals and grant proposals)

- Wiley – Conservation Science and Practice: Handling Editor (2018-2019)
- Nature Publishing Group -- Scientific Reports
- Wiley-Blackwell -- Conservation Biology, Conservation Letters, Journal of Fish Biology, Aquatic Conservation: Marine and Freshwater Ecosystems, North-American Journal of Fisheries Management, Animal Conservation
- Elsevier -- Global Ecology and Conservation, Regional Studies in Marine Science
- Springer -- Marine Biodiversity Records, Fisheries Research, Environmental Biology of Fishes, Reviews in Fish Biology and Fisheries
- Inter-Research -- Endangered Species Research
- Taylor and Francis -- Human Dimensions of Wildlife, African Journal of Marine Science, Aquatic Ecosystem Health and Management
- Frontiers – Frontiers in Marine Science
- Cambridge University Press -- Journal of the Marine Biological Association of the United Kingdom
- MBI & UNS Solo -- Journal of Biological Diversity
- Iranian Fisheries Research Organization – Iranian Journal of Fisheries Research
- Convention on the Conservation of Migratory Species -- Small Grants Program
- Zoological Society of London – Edge Fellowship Program
- Marine Conservation Action Fund

Languages

- | | |
|--------------------------|---------------------|
| ▪ English, French | Mother tongue |
| ▪ Arabic, Greek, Italian | Fluent/Intermediate |

ANNEX 2

**NOMINATION OF DR FERNANDO SPINA FOR THE ROLE OF
COP-APPOINTED COUNCILLOR – CONNECTIVITY/NETWORKS**

(submitted by the Government of Italy)

Marco Barbieri

From: De Cristofaro Vittorio <DeCristofaro.Vittorio@minambiente.it>
Sent: Friday, 10 January 2020 11:52
To: 'CMS Secretariat'; 'Marco Barbieri'; Vittoria Semplici (Affiliate)
Cc: Giarratano Maria Carmela; Duprè Eugenio; 'spina'
Subject: Nomination of Candidates for the New COP-appointed Councillor Subject Areas: Connectivity/Networks Area. Proposal for Dr. Fernando Spina, Italy
Attachments: Fernando Spina CV CMS COP Appointed Councillor Connectivity.pdf; FSpina CMS COP-appointed councillor connectivity personal perspectives.pdf

Dear Sirs,

Italy plays a key role for animal migration between Eurasia and Africa. From insects to birds, from bats to marine mammals, the skies, landmass, islands and seas of our country are major components of different migratory systems involving huge numbers of individuals.

The perspective of Italy as the natural bridge across the Mediterranean is deeply rooted in our national environmental culture and wildlife research, and is the baseline on which a special attention to connectivity has featured the contribution Italy has offered, during the last decade, to CMS in increasing awareness and profile of connectivity when considering trans-national conservation strategies of migratory species.

Given this strong interest, Italy welcomes the proposal, supported by the CMS Standing Committee and Sessional Committee of the Scientific Council, to submit to the forthcoming CMS COP13 a proposal to have a new position for a CMS COP-appointed Councillor on connectivity and networks.

Italy expresses his full endorsement for Dr. Fernando Spina to be considered, if the deciding bodies would consider this new position of COP-appointed Councillor on connectivity/networks, to take responsibility for this role. This endorsement is based on the concrete experience of the enduring commitment and capability of Dr. Spina in proposing new approaches and involving experts in working together within and with CMS to foster new frontiers in conservation strategies.

In particular, Dr. Spina has proposed and contributed to organize, thanks to the support of the Po Delta Veneto Regional Park, the two scientific seminal workshops CMS has held on connectivity, supporting the participation of top specialists in this new frontier of conservation science. The results of these workshops have been instrumental to leading to CMS Resolution 12.26 and CMS Decisions 12.91 to 12.93 on "*Improving Ways of Addressing Connectivity in the Conservation of Migratory Species*". These documents have framed the strong and direct interest of CMS in connectivity, given the biological, environmental and functional value exemplified by migratory connectivity, at the same time fully considering the ensuing need for political and legislative "connectedness" among countries sharing same migratory systems.

When considering bird migratory systems between Eurasia and Africa as excellent examples of the need for a scientifically sound approach to the description, quantification and monitoring of connectivity across countries, habitats and sites, as well as to the related implementation of sustainable policies of conservation and use of these populations and species, Dr. Spina has actively been involved with our Ministry during the process which has, more recently, led Italy to the decision of fully supporting, with a major pledge of 1M Euros to CMS, the realization of the Eurasian African bird migration atlas.

During many years now, Italy has supported CMS activities also through allowing our National Scientific Councillor, later Chair of the CMS Scientific Council Dr. Fernando Spina to offer, through his working time, his expertise and enthusiasm to these developments of CMS activities and strategy, with special attention to connectivity. Italy confirms Dr. Spina would be supported in all possible ways to offer his experience, knowledge and vision to further develop connectivity in the CMS agenda.

Thank you for your consideration.

Best regards.

Vittorio De Cristofaro – CMS national focal-point



**MINISTERO DELL'AMBIENTE
E DELLA TUTELA DEL TERRITORIO E DEL MARE**

Directorate-general for nature and sea protection
Division IV – Protection of coastal and marine environment. Support for international activities
Ministry of the environment, land and sea
Via Cristoforo Colombo, 44 - 00147 - Roma
Tel. +39 06 5722 3447 - Fax +39 06 5722 3712
www.minambiente.it

L'allegato **CV FERNANDO SPINA.zip (34.9 MB)** è stato parcheggiato. Può essere scaricato [qui](#).

Monterenzio, 20.12.2019

To the Secretariat of the Convention on the
Conservation of Migratory Species of Wild Animals
cms.secretariat@cms.int

copy to

Dr. Marco Barbieri
marco.barbieri@un.org
Dr. Vittoria Semplici
vittoria.semplici@un.org

New COP-appointed Councillor subject areas recommended by the Sessional Committee of the Scientific Council for the period COP13-COP15. Connectivity/Networks Area. Reasons for interest and personal perspectives.

Since my first proposal to CMS few years ago to give a special profile to this key aspect of the biology of migratory species, I always regarded connectivity as the keyword of the Convention on Migratory Species of Wild Animals. With their regular and predictable migratory journeys, animals moving across space and time connect continents, countries, sites, habitats as well as environmental policies. Only through the proper understanding of connectivity can we maximize our efforts to conserve migrants. The reason for this is that connectivity is the baseline to understand how migratory systems are functionally structured for the different species and how these animals make use of the different environmental components of these systems. Hence, when planning to improve existing networks of protected areas, or selecting new sites to be protected, as well as when deciding for models of sustainable use of populations and defining international policies to conserve and manage migratory species, connectivity is a crucial aspect CMS is considering with an innovative and special attention.

I would be enthusiastically ready to offer all my professional experience and knowledge to serve CMS if I were selected for the role of COP-appointed councillor on connectivity and networks. I have been deeply involved in wildlife conservation all throughout my life, primarily on birds, and sound applied research has always been my approach to identify, prioritize and implement conservation actions on the ground. My main subject of interest having been represented by migratory birds, connectivity has naturally been a general perspective influencing my large-scale, long-term and multi-species national and international projects and analyses.

My long involvement with CMS, as Party appointed Scientific Councillor first, then Chair of the CMS Scientific Council during three terms, has further improved my scientific knowledge of connectivity as a crucial factor for the conservation of migratory species. Furthermore, my role in the Scientific Council has offered me a direct and deep knowledge

of the internal functionality of the Convention, of decision mechanisms and processes and negotiation strategies and skills, also thanks to the opportunities I have had to chair, beyond the meetings of the Scientific Council/Sessional Committee, a CMS COP (COP9), a MOP (AEWA6), a MOS (Sharks MoU 1), as well as meetings of species and multi-species action plans.

I also have a very good "portfolio" of direct personal contacts not only within the CMS Family but also within the larger arena of the MEAs and of the international scientific community. These contacts and links are important when it comes to collect updated scientific information directly through top scientists and research groups, as well as when steering involvement of the various components of the CMS constituency in developing and implementing the important decisions CMS has already formally taken on connectivity and networks.

Resolution 12.26, which I have intensively worked for, is a milestone initiative by CMS which sets the scene for the Convention playing an innovative and leading role on connectivity in the post-2020 agenda and within the other MEAs. I would be honored being offered the opportunity to further contributing in flagging connectivity for CMS if COP13 would decide for a new position of COP-appointed Councillor.

A handwritten signature in black ink that reads "Fernando Spina". The signature is written in a cursive style with a horizontal line underneath the name.

Fernando Spina

Fernando Spina, Chair, CMS Scientific Council fernando.spina@isprambiente.it

Fernando Spina

Curriculum vitae



1. **Education, position.** Born in Spoltore (Pescara, Italy) on 5.4.1955. Since a boy has had a strong interest in Nature conservation and birds in particular. In the '70ies has been involved in awareness activities for WWF in his home Region and town. In 1974 has got HS Diploma *cum laude* at the Liceo Scientifico "Leonardo da Vinci" in Pescara. In 1979, has got a Master II level Degree *cum laude* at the University of Parma with a Thesis "*The role of the Island of Montecristo for bird migration across the Mediterranean*". In the second half of the '70ies has worked for LIPU BirdLife Italy in Parma. Has been chief editor of the LIPU Magazine *ALI* and coordinator of the research and projects branch. For LIPU, has been in charge of the protection camp to safeguard one of the main Italian colonies of Eleonora's Falcon *Falco eleonora*e on the island of San Pietro (Sardinia). The protection campaign led to a complete stop of previous poaching activities and the colony grew from ca. 65 to ca. 100-110 breeding pairs. The colony is still monitored by LIPU and a dedicated Nature Reserve has been established in the area. Since 1979 has acquired specific expertise in the study of bird migration through involvement in research activities of the group led by Prof. Peter Berthold at the Max-Plank-Institut Vogelwarte Radolfzell (Germany). In 1982 has scored first at a national contest for permanent scientist positions at the former Istituto Nazionale per la Fauna Selvatica (National Wildlife Institute INFS, now Istituto Superiore per la Protezione e la Ricerca Ambientale ISPRA). Since assignment has been head of the Italian Bird Ringing Centre. Since 1993 has led the Unit "Bird ringing and bird monitoring centre"; since 2010 the "Bird migration research branch" with 15 permanent staff. Since 1995 is Head of Science at ISPRA and holds the only existing VII level position within the overall 1,200 ISPRA staff.

2. Activities, IBRC, EURING

- a. **Italian Bird Ringing Centre.** Since assignment at ISPRA has worked to better understand the role of Italy within the Palaearctic-African migration system and provide a sound scientific basis to conservation policies. Has been involved in research and consultancy on bird migration and bird conservation policies, with a special emphasis on the implementation of MEAs in Italy and particularly of the EU "Birds Directive" 2009/147/CE. As head of the Italian Bird Ringing Centre (1982-2017), the number of licensed ringers has raised from ca. 60 in 1982 to the present 435 (+375 between trainees and helpers). Annual national ringing totals have raised from ca. 60,000 in 1982 to the present over 250,000. A fully computerised Oracle database has been developed, hosting today over 7.5M ringing data and 235,000 recoveries. The contents of this major database have been used also for producing the Italian Migration Atlas he has conceived and planned, thanks to the support offered by the Italian Ministry of the Environment, and has and co-authored by writing texts and English summaries. This national migration atlas is fully accessible on the web at http://www.isprambiente.gov.it/en/publications/luxury-publications/introduction-to-the-italian-bird-migration-atlas/view?set_language=en.

Has introduced a 3-level permit licensing system, organised and led national ringing courses and introduced ringing exams to test trainees applying for their first license, as well as already licensed ringers wishing to move to higher permit levels. Since 1986 has lunched biannual national ringers' meetings with an average attendance of ca. 250 and two foreign keynote speakers whose talks he has always translated. Since 1990 has been able to have 12 such meetings fully funded by local hosting Agencies. Deeply convinced of the potential of networks of coordinated ringing sites for bird research, monitoring and conservation, has launched large-scale and long-term ringing projects. Since 1988, the "*Progetto Piccole Isole*" (PPI, Small Islands Project) is targeted to the study of return movements of birds from Africa into Europe across the Mediterranean. The project has involved 48 sites in 7 countries, over 800 volunteer ringers and allowed ringing over 1.5M birds belonging to 214 species. The project has led to the description of species-specific migratory routes, ecological requirements of staging migrants, the identification and connectivity of key sites for bird conservation in the Mediterranean and the institution of new protected areas. So far the project has produced over 50 scientific papers. On the small island of Ventotene, where he has personally coordinated ringing activities since 1982, has conceived the idea of converting an old military building into a bird migration museum and bird observatory. He could get local Regional and EU funds and the opening of the Ventotene Bird Migration Museum took place in June 2006. Based on data gathered through the PPI project, the island of Ventotene has been identified as a new SPA and protected as a National Nature Reserve. Since 1994 has launched the "*Progetto Alpi*" on post-breeding migration of birds across the Italian Alps. Together with MUSE (Trento Natural History Museum), he coordinates a network of 30 sites across the Italian Alps, through the involvement of over 100 ringers and more than 430,000 ringed birds. The project has been important to understand general spatio-temporal migration patterns, connectivity between the Alps and the breeding areas of origin of passage migrants as well as to identify mountain passes to be protected. Both the *Progetto Piccole Isole* and the *Progetto Alpi* are based on stations which benefit from financial support offered by local Agencies.

- b. **EURING.** As representative of the Italian Ringing Centre has been active within EURING (The European Union for Bird Ringing, www.euring.org). In 1984 has hosted the EURING Assembly in Italy, in 1987 has been elected to the EURING Board and has been EURING Chair between 1995-2005 (see All. 24). EURING coordinates 38 National Ringing Centres in Europe and a number of associated Centres outside Europe. EURING activities are carried on thanks to the involvement of over 10,000 licensed and volunteer ringers in Europe. As EURING Chair has introduced a EURING Newsletter and launched a 5-year large-scale project on the Barn Swallow *Hirundo rustica*, involving 25 countries, over 550 ringers and >1M ringed swallows. The project has significantly increased the knowledge of migration strategies of the species and has stimulated research activities also in Africa, with active conservation actions at key winter roost sites in Nigeria, Central African Republic, Botswana, South Africa. The project has produced papers on migration and connectivity, on fattening strategies of swallows moving from Europe into Africa and on swallow responses to climate change through northwards shifting of the sub-Saharan wintering quarters and reduction of the overall return migration distance. During his term as EURING President has chaired three EURING General Assemblies and has negotiated the move of the EURING Data Bank (<http://www.euring.org/edb/index.html>) from the Netherlands to the BTO in the UK, where it is now hosted. In 2009 has hosted the EURING Analytical Meeting and EURING General Assembly in Italy, with representatives from 33 countries.

3. Roles at the national and international level

a. **Roles at the national level.** In the period 2004-2017 has been included in the national register of Directors of Parks and Nature Reserves. In 2006 has been member of the national task force on avian influenza. In 2006 has been in charge of the working group for the environmental impact assessment of the planned bridge across the Strait of Messina for the avian component and has coordinated field activities also through involvement of bird radar experts from the Schweizerische Vogelwarte; has led the production of the three final reports. In 2010 has coordinated the involvement of the ISPRA bird migration group in activities carried out by LIPU BirdLife Italy for the evaluation of the conservation status of birds in Italy. This project led by LIPU has been a pilot example also at the European level. In 2011 has been appointed chair of the national working group on conservation status of huntable species in Italy. Since 2013 the research group he coordinates has produced the national reports on art. 9 and 12 of the EU Birds Directive and art. 17 of the Habitats Directive. In 2009-2010 has been national Board member of WWF Italy.

b. **Roles at the international level.**

i. **International Ornithologists' Union.** Is a member of the International Ornithologists' Union (former International Ornithological Committee, IOC) since 1990. Has been a member of the Scientific Committees of the XXII and XXIV International Ornithological Congresses (Durban 1998; Hamburg 2006). Has chaired the Scientific Program Committee of the XXIII International Ornithological Congress (Beijing, China 2002), with 10 plenaries, 40 symposia with 200 contributed papers, 470 posters, 19 RTDs. Has been chair of the Nomination Committee of IOU and has been founder and is co-chair of the IOU Coordination Committee on Bird Marking.

ii. **European Ornithologists' Union.** In 1997 has raised funds for and has coordinated the founding congress of the European Ornithologists' Union (EOU, Bologna), with 246 delegates from 28 countries, 8 plenary talks, 35 symposia papers and over 300 posters; has been Italian representative on the EOU Board between 1999-2003 (See All. 21).

iii. **EU ORNIS Scientific Working Group.** Between 1998-2004 has been Italian representative within the EU ORNIS Scientific Working Group, the scientific advisory body for the implementation of the EU Birds Directive. Within this committee has been member of the restricted working group drafting the "*Guidance document on hunting under the Birds Directive*". In his role of Italian representative has produced detailed scientific analyses on the definition of the onset of return movements of birds across Italy. These analyses have been included, by the Italian Ministry of the Environment, in the "*Key Concepts document on Period of Reproduction and pre-nuptial Migration of huntable bird Species in the EU*". In 2018-2019 has been involved in the process of revision of the scientific contents of this document.

iv. **Convention on the Conservation of Migratory Species of Wild Animals (www.cms.int).** Has been representative of the Italian Government within the Scientific Council of CMS for over 10 years. In December 2008 has been appointed by the Italian Government as Chair of CMS COP9, hosted in Roma, where he has been fully involved in complex negotiations on listing proposals. In 2011 the 17th meeting of the CMS Scientific Council elected him as Chair (see All. 10). Between 2012 and 2019 has chaired all meetings of the Scientific Council and, later, of the Sessional Committee of the Scientific Council. In 2012 has been chair of the First meeting of Signatories of the CMS MoU on migratory sharks (see All. 14, 14a), where an

international conservation plan has been adopted through negotiations between the fisheries community and conservation stakeholders. He is a member of the CMS working groups on: Flyways, Bird poisoning, Migratory Landbirds in the African/Eurasian Region, Climate Change, Strategic Plan, MIKT. Has contributed to negotiations on the listing of the Saker Falcon at COP9 and COP10 and has joined meetings of the Saker Falcon Task Force. In 2011 has been a member of the UNEP/CMS Thesis Award Jury. In 2012 has been shortlisted for the position of CMS Executive Secretary. Has represented CMS at plenary meetings of IPBES and has drafted two proposals CMS submitted to IPBES for global assessments. Has produced the original proposal for cooperation between CMS and UNCCD aimed at using migratory birds as indicators of the effects of the UNCCD schemes to prevent soil erosion on migratory species and connectivity between Africa and sub-Saharan Africa. In 2013 could raise funds and has organised and chaired a strategic and planning meeting of the CMS Scientific Council in Formia (Italy); during that meeting he presented a seminal proposal for CMS to give a special profile to migratory connectivity both from the biological and applied/political perspective. At that meeting he chaired the Sixth Meeting of the Chairs of the Scientific Advisory Bodies of the Biodiversity-related Conventions, and the CMS Ad-hoc meeting on Harmonization of Bird Taxonomy (see All. 14). He also proposed and organised, back-to-back with the same meeting, the first workshop organised in Italy on "*Migratory species as a strategic resource for the economy of local communities*". In 2014 has been involved in the activities of the national Delegation at CMS COP11, where Italy has represented the EU during the Italian Semester of Italian EU Presidency (see All. 17). In 2015 and 2017, respectively, has put forward a proposal to the Veneto Po Delta Regional Park to fund and host two CMS workshops on connectivity which have developed the theme "*A single Earth: migratory animals connect the Planet*" (see All. 14). After the second workshop he has coordinated the production of Doc. UNEP/CMS/COP12/Inf.20 "*Migratory animals connect the Planet: the importance of connectivity as a key component of migration systems and a biological basis for coordinated International conservation policies*". The two workshops led to the approval, by CMS COP12, of UNEP/CMS/Resolution 12.26 on "*Improving ways of addressing connectivity in the conservation of migratory species*". In 2015 has been appointed as chair of the 6^o Meeting of the Parties to the Agreement on the Conservation of African-Eurasian Migratory Waterbirds AEWMA MOP6 (see All. 14, 15). In 2017 has been appointed as chair of the overarching meeting for the CMS *Multi-Species Action Plan to conserve African-Eurasian Vultures*, Toledo, Spain. In 2014 has joined the CMS Scientific Council Workshop on conservation implications of Cetacean culture. Based on this experience, in 2018 could get support from the Apennine National Park to organize a first across-taxa CMS workshop on animal culture and social complexity (see All. 26). The results of this workshops have led to a scientific paper on Science (Brakes *et al.*, 2019, Science 6432, issue 363). In 2019 has had an active role in the organization of the Third joint CMS-Berne Convention meeting on Illegal Killing, trapping and trade of wild birds (Castelporziano, Rome, May 2019). Has proposed to offer operatic concerts to celebrate CMS-AEWMA World Migratory Bird Day events through the involvement of the Bologna operatic choir *Corale Lirica San Rocco*, within which is one of the tenors. During six years, concerts have been organized in Bonn (4 years) and Bologna (2 years, see All. 31); these benefit concerts have raised funds for various CMS-AEWMA conservation projects on migratory birds.

- v. **Various.** In 1989 has been invited to take the position of Assistant Director Waterbirds at the former IWRB (International Waterbird Research Bureau) at Slimbridge (UK); this position could not be taken due to ongoing commitments for the Italian Bird Ringing Centre. Has been a member of the Steering Committee of the European Science Foundation "*Network Project on songbird migration*" (see All. 25); within the project activities has hosted the first technical workshop on the standardisation of ringing field methods in Europe. Has been one of the 5 members of the Editorial Committee of the Oxford University Press "*Birds of the Western Palaearctic Update*" and a member of the Scientific Committee of the US National Science Foundation Program "*Migrate*". In 2018 has been selected by the Secretariat of the Convention on Biological Diversity to serve as chair of the Regional Bio-Bridge Initiative Round Table for Western Europe and Others Group (WEOG, Bruxelles September 2018, see All. 27). Since 2000 is Corresponding Fellow of the Amerinal Ornithologists' Union.
4. **Scientific papers.** Has published over 100 scientific papers, main subjects are bird migration, spatio-temporal migration patterns, migratory connectivity, ringing recovery analyses, migration physiology, stopover ecology of migrants, migratory birds conservation, responses of migratory birds to climate change. Among the international journals: *American Journal of Physiology, Ardea, Ardeola, Auk, Behavioural Ecology, Behavioural Ecology and Sociobiology, Biological Journal of the Linnean Society, Biology Letters, Biological Reviews, Climate Research, Condor, Die Vogelwarte, Ecology Letters, Functional Ecology, Ibis, Italian Journal of Zoology, Journal of Avian Biology, Journal of Evolutionary Biology, Journal of Experimental Biology, Journal of Ornithology, Journal of Zoology, Molecular Phylogenetics and Evolution, Ornis Svecica, Ostrich, Ringing and Migration, Science, The Torgos, Var Fagelvarld, Vie et Milieu, Wildlife Biology.*
5. **Languages:** excellent command in English (written and spoken), good command in French and Spanish (spoken).
6. **Congresses.** Has been invited speaker at over 50 international congresses, meetings and workshops. Has been invited to offer the "*Witherby Lecture*" at the 2009 British Trust for Ornithology conference to celebrate 100 years of bird ringing in the UK (see All. 29). In 2010 has been invited as keynote speaker at the Deutsche Ornithologen-Gesellschaft DO-G congress to celebrate 100 years of bird ringing in Germany. In 2010 has been invited as keynote speaker at the Conference to celebrate 100 years of bird ringing in Germany, organized by the *Deutsche Ornithologen-Gesellschaft DO-G* (Helgoland). In 2013 has been invited by the Finnish Museum of Natural History as keynote speaker at the congress to celebrate 50 years of bird ringing in Finland. In 2019 has been invited as keynote speaker by the Finnish Museum of Natural History as keynote speaker at the congress to celebrate the 50th Finnish ringers' meeting.

Fernando Spina

Dr. Fernando Spina
Head of Science
Bird Migration Research Branch
Istituto Superiore per la Protezione e la Ricerca Ambientale (ISPRA)
Via Ca' Fornacetta, 9

I - 40064 OZZANO EMILIA, Bologna, Italy
Tel +39 051 6512214
Mobile +39 347 35 07 032
Fax +39 051 796628
E-mail: fernando.spina@isprambiente.it

Monterenzio, 20.12.2019

Attachments: n. 12

FERNANDO SPINA – SCIENTIFIC PUBLICATIONS

1978

1. FRUGIS S., SPINA F., ZANICHELLI F., 1978 - La biologia riproduttiva del Mignattino piombato *Chlidonias hybrida*. **Boll. Zool.** 45: 23.
2. SPINA F., 1978 - Dati sulla biologia del Pellegrino *Falco peregrinus* all'Isola di Montecristo. **Avocetta, new series** 2: 19-34.

1981

3. BACCETTI N., FRUGIS S., MONGINI E., SPINA F., 1981 - Rassegna aggiornata sull'avifauna dell'Isola di Montecristo. (Studi sulla Riserva Naturale dell'Isola di Montecristo XXIX). **Riv. ital. Orn.** 51: 191-240.
4. BOLDREGHINI P., MONTANARI F., SPINA F., 1981 - Distribuzione e stato del Mignattino piombato (*Chlidonias hybrida* Pallas) in Emilia-Romagna, pp. 31- 36. In: A. Farina, Edit. **Atti I Convegno Italiano di Ornitologia**. Aulla: Tipografia Ambrosiana, 395pp.
5. SPINA F., 1981 - Note sul comportamento riproduttivo del Falco della Regina (*Falco eleonorae* Gene') in Sardegna, pp. 195-201. In: A. Farina, Edit. **Atti I Convegno Italiano di Ornitologia**. Aulla: Tipografia Ambrosiana, 395pp.

1982

6. ARCAMONE, E., BACCETTI N., MAINARDI R., F. SPINA. 1982. Nidificazione della Pernice di mare *Glareola pratincola* in Toscana. **Riv. ital. Orn.** 52 (3-4): 187-190.
7. BACCETTI, N., MONGINI E., F. SPINA. 1982. Contributo allo studio della dieta di *Falco peregrinus brookei* a Montecristo (Studi sulla Riserva Naturale dell'Isola di Montecristo XXXI). **Proceedings, II International Meeting on Mediterranean Birds of Prey**: 167-176. Barcelona.
8. SPINA F., 1982 - Contribution to the breeding biology of the Wiskered Tern (*Chlidonias hybrida* Pallas) in Val Campotto (Northern Italy). **Avocetta, new series**, 6: 23-33.
9. SPINA F., 1982 - Note ornitologiche dalle Isole Tremiti. **Riv. ital. Orn.** 52 (1-2): 110-118.

1985

10. BACCETTI N., FRUGIS S., MONGINI E., PIACENTINI D., SPINA F. - 1985. Osservazioni sul peso di Beccafichi *Sylvia borin* in transito in diverse aree italiane. **Riv. ital. Orn.** 55(3-4): 171-179.
11. SPINA F., PIACENTINI D., FRUGIS S. - 1985. Vertical distribution of Blackcap *Sylvia atricapilla* and Garden Warbler *Sylvia borin* within the vegetation. **J. Orn.** 126 (4): 431-434.
12. SPINA F., SCHENK H., MASSA B. - 1985. Status and conservation of Eleonora's Falcon in Italy. **Conservation Studies on Raptors, Proceedings of the II World Conference on Birds of Prey**. I.C.B.P. Special Publications No. 5: 143-146.

1986

13. SPINA F., 1986 - Baltic birds through the Mediterranean. Some aspects of bird conservation in Italy. **Proceedings of Baltic Birds IV. Var Fagelv. Suppl.** 11: 207-210.
14. SPINA F., 1986 - Mignattino piombato (*Chlidonias hybridus*). In: Fasola M. (Edit.), Distribuzione e popolazione dei Laridi e Sternidi nidificanti in Italia. **Suppl. Ric. Biol. Selvaggina** X: 121-127.
15. A. M. AVANZATI , F. BERNINI , R. PETRUCCI , B. BACCETTI , M. BENAZZI , G. NASCETTI , L. BULLINI , P. G. BIANCO , E. CAPANNA , M. V. CIVITELLI , L. MAGGINI , L. MANZELLA , P. CERVELLA , L. RAMELLA , C. ROBOTTI , G. SELLA , O. COBROR , G. ODIERNA , E. OLMO , M. DELL' AGATA , G. PANNUNZIO , C. PANTANT , A. TEICHNER , A. FERRACIN , M. G. FILIPPUCCI , T. LETTINI , E. VACCA , F. POTENTE , V. PESCE DELFINO , B. MANTOVANI , M. MAZZINI , V. SCALI , L. BULLINI , M. MAZZINI , E. GAINO , I. NARDI , F. AHDROMICO , S. DE LUCCHINI , R. BATISTONI , M. CAPULA , B. LANZA , C. ORTENZI , A. VALBONESI , P. LUPORINI , G. L. PESCE , D. P. GALASSI , R. RICCO , O. PICARIELLO , G. SCILLITANI , E. RANDI , B. RAGNI , E. RANDI , F. SPINA , B. ROSSARO , A. M. SIMONETTA , M. L. MAGNONI , R. VALVASSORI , M. DE EGUILÉOR , L. DI LERNIA , G. MELONE , G. SCARI' , S. ZERUNIAN , V. ROSSI , G. FRANZINI & G. GIBERTINI TO CITE THIS

ARTICLE: A. M. AVANZATI , F. BERNINI , R. PETRUCCI , B. BACCETTI , M. BENAZZI , G. NASCETTI , L. BULLINI , P. G. BIANCO , E. CAPANNA , M. V. CIVITELLI , L. MAGGINI , L. MANZELLA , P. CERVELLA , L. RAMELLA , C. ROBOTTI , G. SELLA , O. COBROR , G. ODIERNA , E. OLMO , M. DELL' AGATA , G. PANNUNZIO , C. PANTANT , A. TEICHNER , A. FERRACIN , M. G. FILIPPUCI , T. LETTINI , E. VACCA , F. POTENTE , V. PESCE DELFINO , B. MANTOVANI , M. MAZZINI , V. SCALI , L. BULLINI , M. MAZZINI , E. GAINO , I. NARDI , F. AHDROMICO , S. DE LUCCHINI , R. BATISTONI , M. CAPULA , B. LANZA , C. ORTENZI , A. VALBONESI , P. LUPORINI , G. L. PESCE , D. P. GALASSI , R. RICCO , O. PICARIELLO , G. SCILLITANI , E. RANDI , B. RAGNI , E. RANDI , **F. SPINA** , B. ROSSARO , A. M. SIMONETTA , M. L. MAGNONI , R. VALVASSORI , M. DE EGULEOR , L. DI LERNIA , G. MELONE , G. SCARI' , S. ZERUNIAN , V. ROSSI , G. FRANZINI & G. GIBERTINI, 1986 - Taxonomy and phylogenetic inference. *Bolletino di zoologia*, 53:S1, 53-60, DOI: 10.1080/11250008609355540

1987

16. RANDI E., **SPINA F.**, 1987 - An electrophoretic approach to the systematics of Italian Gulls and Terns (*Aves, Laridae* and *Sternidae*). *Monitore zool. ital.* (N.S.) 21: 317-344.
17. **SPINA F.**, SCAPPI A., BERTHEMY B., PINNA G., 1987 - The diet of Eleonora's Falcon (*Falco eleonora*) in a colony of the Western coast of Sardinia with some remarks on the migration of small Passerines through the Mediterranean. Atti del III Colloquio Internazionale sui Rapaci Mediterranei. *Suppl. Ric. Biol. Selvaggina* X: 235-252.

1988

18. BACCETTI, N., FARRONATO I., RANDI E., **SPINA F.**, A. TORRE. 1988. Contributo alla conoscenza dello status dell'Uccello delle tempeste *Hydrobates pelagicus*, in Italia. *Riv. ital. Orn.* 58(3-4): 197-198.
19. **SPINA F.**, PILASTRO A., 1998 - Ecological, morphological and conservation aspects of spring songbirds migration across the Mediterranean. In, F. Spina and A. Grattarola (Eds.): *Proceedings of the 1st Meeting of the European Ornithologists' Union*, *Biol. Cons. Fauna*, 102: pp. 63-71.
20. **SPINA F.**, FOCARDI S., MAGAGNOLI P., SCAPPI A., 1988 - Autumn migration through the Mediterranean and the hunting activity of Eleonora's Falcon *Falco eleonora* (Gene') (*Aves Falconidae*): a comparison between two methods of data collection. *Monitore zool. ital.* (N.S.) 22: 307-313.

1989

21. BACCETTI N., **SPINA F.**, 1989 - Italy: wetlands. In: Grimmet, R.F.A., Jones T.A. (Eds.). *Important Bird areas in Europe*, I.C.B.P. Technical Publication No. 9: 375-428.
22. RANDI E., **SPINA F.**, MASSA B., 1989 - Genetic variability in Cory's Shearwater (*Calonectris diomedea*). *The Auk* 106: 411-417.

1990

23. **SPINA F.**, 1990 - First data on complete summer moult of the Great Reed Warbler (*Acrocephalus arundinaceus*) in Northern Italy. *J. Orn.* 131: 177- 178.
24. **SPINA F.**, BEZZI E., 1990 - Autumn Migration and Orientation of the Sedge Warbler (*Acrocephalus schoenobaenus*) in Northern Italy. *J. Orn.* 131: 429- 438.

1991

25. RANDI E., FUSCO G., LORENZINI R., **SPINA F.**, 1991 - Allozyme divergence and phylogenetic relationships within the *Strigiformes*. *The Condor* 93: 295- 301.

1992

26. **SPINA F.**, 1992 - Falco della Regina *Falco eleonora*. In: *Brichetti P. et al.* (eds.). *Fauna d'Italia*. XXIX. Aves. I: 658-673.
27. **SPINA F.**, MASSI A., 1992 - Post nuptial moult and fat accumulation of Ashy-headed Wagtails *Motacilla flava cinereocapilla* in Northern Italy. *Die Vogelwarte*, 36: 211-220.

28. TINARELLI R., FOCARDI S., **SPINA F.**, BACCETTI N., BOLDREGHINI P., MONTANARI F., 1992 - Wetlands of the Apulia Region: present situation, threats and prospects. In: Finlayson, C.M., Hollis, G.E. & Davis, T.J. (eds.). *Managing Mediterranean Wetlands and Their Birds*. **IWRB Spec. Publ. No. 20**: 39-42.
29. FASOLA M., BIDDAU L., BORGHESIO L., BACCETTI N., **SPINA F.**, 1992 - Water bird populations at Lake Turkana, February 1992. **Proc. VIII Pan-Afr. Orn. Congr.** 529-532.

1993

30. RANDI E., **SPINA F.**, MASSA B., 1993 - Genetic distances and gene flow among Atlantic and Mediterranean colonies of Cory's Shearwater (*Calonectris diomedea*). In: Aguilar, J.S., Monbailliu X., Paterson A.M. (eds.). *Status and conservation of seabirds*: 365-368.
31. **SPINA F.**, MASSI A., MONTEMAGGIORI A., BACCETTI N., 1993 - Spring migration across central Mediterranean: General results from the "Progetto Piccole Isole". *Vogelwarte*, 37: 1-94.
32. **SPINA F.**, BENDINI L., BAZZI L., TAGLIATI M.E., 1993 - Migratory birds: assessment of their origin as potential vectors of *Erwinia amilovora* in Italy. *Acta horticulturae*.

1994

33. **SPINA F.**, MASSI A., MONTEMAGGIORI A., 1994 - Back from Africa: who's running ahead? Differential migration of sex and age classes in Palearctic-African spring migrants. *Ostrich* 65 (Suppl.): 137-150.
34. **SPINA F.**, MASSI A., MONTEMAGGIORI A., BACCETTI N., 1994 - Spring migration across Central Mediterranean: general results from the 'Progetto Piccole Isole'. *Die Vogelwarte* 37 (Suppl.): 1-98.

1995

35. FRACASSO G., FARRONATO I., BACCETTI N., MASSI A., MONTEMAGGIORI A., **SPINA F.** 1995. Migrazione primaverile di due sottospecie di Averla capirossa (*Lanius s. senator*, *L. s. badius*) attraverso il Mediterraneo. In: Pandolfi M. (ed.). Atti del VII Convegno Italiano di Ornitologia. *Suppl. Ric. Biol. Selvaggina* XXII: 501-508.
36. MASSI A., **SPINA F.**, MONTEMAGGIORI A., 1995 - Modalità di attraversamento del Mediterraneo durante la migrazione primaverile. *Suppl. Ric. Biol. Selvaggina*, XXII: 445-451.
37. MONTEMAGGIORI A., MASSI A., **SPINA F.** 1995. Progetto Piccole Isole: resoconto del VI anno di attività. *Suppl. Ric. Biol. Selvaggina*, XXII: 539-541.
38. NEGRA O., **SPINA F.**, BEZZI E.M. 1995. Fenologia della migrazione autunnale del Forapaglie (*Acrocephalus schoenobaenus*) in una zona umida dell'Italia settentrionale. *Suppl. Ric. Biol. Selvaggina*, XXII: 513-515.
39. PILASTRO A., BACCETTI N., MASSI A., MONTEMAGGIORI A., ROSELLI A., **SPINA F.** 1994. Stima della direzione di migrazione e del consumo di grasso per ora di volo nel Beccafico (*Sylvia borin*) durante la migrazione primaverile. sul Mediterraneo centrale: a quale punto del viaggio? *Suppl. Ric. Biol. Selvaggina*, XXII: 453-463.
40. **SPINA F.**, BERTHOLD P., HELBIG A., QUERNER U., 1994 - Migratory activity and orientation in an Italian Blackcap (*Sylvia atricapilla*) population. *Suppl. Ric. Biol. Selvaggina* XXII: 475-482.

1996

41. MASSI A., **SPINA F.**, 1996 - Wing moult of the Bearded Reedling *Panurus biarmicus* in Northern Italy. *Die Vogelwarte*, 38: 180-187.

1997

42. BASCIUTTI P., O. NEGRA, **SPINA F.**, 1997 - Autumn migration strategies of the Sedge Warbler *Acrocephalus schoenobaenus* in Northern Italy. *Ringling & Migration*, 18: 59-67.
43. BASCIUTTI P., O. NEGRA, **F. SPINA**, 1997 - La migrazione autunnale della Cannaiola *Acrocephalus scirpaceus* attraverso l'Italia nord-occidentale: ruolo di una zona umida del Ferrarese. *Avocetta*, 21 (1): 57.

44. GRATTAROLA A., PILASTRO A., SPINA F., 1997 - Aspetti della migrazione primaverile del Beccafico *Sylvia borin* attraverso il Mediterraneo centro-occidentale. **Avocetta**, 21 (1): 53.
45. PILASTRO A., SPINA F., 1997 - Ecological, geographical and morphological correlates of residual fat reserves in spring passerine migrants at their arrival in southern Europe. **J. Avian Biology**, 28: 309-318.
46. PILASTRO A., F. SPINA, MICHELONI P., 1997 - Geographical variation in pre-migratory conditions of Swallows *Hirundo rustica* in Italy. **Ringing & Migration**, 19: 69-76.
47. PILASTRO A., SPINA F., MACCHIO S., MASSI A., MONTEMAGGIORI A., 1997 - Rotte di migrazione primaverile di Passeriformi trans-Sahariani attraverso il Mediterraneo centro-occidentale studiate sulla base di una rete di stazioni di inanellamento. **Avocetta**, 21 (1): 52.

1998

48. HEDENSTROEM A., M. ROSEN, F. SPINA, AKESSON S., 1998 - Eleonorafalken. Flyttfageljägarer vid medelhavet. **Var Fagelvard**, 2: 8-15.
49. MOORE F., F. SPINA, 1998 - Stopover ecology of migrant landbirds. In: Adams N., R. Slotow (eds.), **Proc. 22 Int. Ornithol. Congr.**, Durban, University of Natal.
50. PILASTRO A., SPINA F., 1998 - Fat accumulation in pre-migratory roosting Swallows (*Hirundo rustica*) in Europe. In: Adams N., R. Slotow (eds.), **Proc. 22 Int. Ornithol. Congr.**, Durban, University of Natal.
51. PILASTRO A., F. SPINA, S. MACCHIO, A. MASSI, MONTEMAGGIORI A., 1998 - Spring migration routes of trans-Saharan passerines through the central and western Mediterranean: results from a network of insular and coastal ringing sites. **Ibis**, 140: 591-598.
52. SPINA F., PILASTRO A., 1998 - Strategy of sea and desert crossing in spring passerine migrants as suggested by the analysis of intra- and inter-specific variation of residual fat levels. In: Adams N., R. Slotow (eds.), **Proc. 22 Int. Ornithol. Congr.**, Durban, University of Natal.
53. PILASTRO A., SPINA F., MICHELONI P., 1998 - Geographical variation in pre-migratory conditions of Swallows *Hirundo rustica* in Italy. **Ringing & Migration**, 19: 67-74.
54. SPINA F., 1998 - The EURING swallow project: a large-scale approach to the study and conservation of a long-distance migrant. In: Leshem J., E. Lachman, P. Berthold (eds.), **Migrating birds know no boundaries. The Torgos**, 28: 151-162.
55. SPINA F., 1998 - The role of bird ringing for the monitoring and management of European bird populations. **OMPO Newsletter**, 16: 53-59.
56. SPINA F., A. GRATTAROLA (eds.), 1998 - Proceedings of the 1st Meeting of the European Ornithologists' Union. **Biol. Cons. Fauna**, 102: 1-360.
57. SPINA F., A. PILASTRO, 1998 - Strategy of sea and desert crossing in spring passerine migrants as suggested by the analysis of intra- and inter-specific variation of residual fat levels. In: Adams N., R. Slotow (eds.), **Proc. 22 Int. Ornithol. Congr.**, Durban, University of Natal.
58. SPINA F., PILASTRO A., 1998 - Ecological, morphological and conservation aspects of spring songbird migration strategies across the Mediterranean. In: Spina F. & Grattarola A. (eds.) 1998 - Proceedings of the 1st Meeting of the European Ornithologists' Union. **Biol. Cons. Fauna**, 102: 63-71.
59. SPINA F., J. TAUTIN, 1998 - PRESENT and future of scientific bird ringing. In: Adams N., R. Slotow (eds.), **Proc. 22 Int. Ornithol. Congr.**, Durban, University of Natal.

1999

60. ANDREOTTI A., BENDINI L., PIACENTINI D., SPINA F., 1999 - The role of Italy within the Song Thrush (*Turdus philomelos*) migratory system analysed on the basis of ringing-recovery data. **Die Vogelwarte**, 40: 28-51.
61. ANDREOTTI A., BENDINI L., PIACENTINI D., SPINA F., 1999 - Analisi comparata delle strategie di migrazione di *Turdus philomelos* e *Turdus iliacus* effettuata sulla base dei dati di inanellamento e ricattura. **Avocetta**, 23: 44.

62. GRATTAROLA A., A. PILASTRO, **SPINA F.**, 1999 - Spring migration of the Garden Warbler (*Sylvia borin*) across the Mediterranean Sea. *J. Ornithol.*, 140: 419-430.
63. HEDENSTROEM H., ROSEN M., AKESSON S., **SPINA F.** 1999 - Flight performance during hunting excursions in Eleonora's Falcon *Falco eleonora*. *Journal Experimental Biology*, 202: 2029-2039.
64. LICHERI D., **F. SPINA**, P. MICHELONI, 1999 - Dinamiche dell'accumulo del grasso per la prima migrazione autunnale della Rondine (*Hirundo rustica*): ricatture nello stesso roost vs. ricatture in roosts diversi. *Avocetta*, 23: 33.
65. MACCHIO S., MESSINEO A., LICHERI D., **F. SPINA**, 1999 - Atlante della distribuzione geografica e stagionale degli uccelli inanellati in Italia negli anni 1980-1994. *Biol. Cons. Fauna*, 103: 1-276.
66. NEGRA O., P. PEDRINI, **F. SPINA**, F. RIZZOLLI, 1999 - Il Progetto Alpi: una rete di monitoraggio della migrazione post-nuziale dei Passeriformi attraverso l'arco alpino italiano. *Avocetta*, 23: 35.
67. ROSEN M., HEDENSTROEM A., BADAMI A., **SPINA F.**, AKESSON S., 1999 - Hunting flight behaviour of the Eleonora's Falcon (*Falco eleonora*). *J. Avian Biol.*, 30: 342-350.
68. **SPINA F.**, 1999 - Value of ringing information for bird conservation in Europe. *Ringling & Migration*, 19 (Suppl.): 29-40.

2000

69. FLEMING, L.V., K. MEINE, **SPINA F.**, 2000 - Hunting and the conservation status of European wild birds: the application of the EC Birds Directive. In: Jensen, F.P. (ed.), *Proceedings EU Conference on Bird Protection*.
70. JENNI L., JENNI-EIERMANN S., **SPINA F.**, SCHWABL H., 2000 - Regulation of protein breakdown and adrenocortical response to stress in birds during migratory flight. *Am. J. Physiol. Regulatory Integrative Comp. Physiol.*, 278, R1182-R1189.

2001

71. MESSINEO A., GRATTAROLA A., **SPINA F.**, 2001 - Dieci anni di Progetto Piccole Isole. *Biol. Cons. Fauna* 106: 1-244.
72. SCHWILCH R., MANTOVANI R., **SPINA F.**, JENNI L., 2001- Nectar consumption of warblers after long-distance flights during spring migration. *Ibis*, 143: 24-32.
73. **SPINA F.**, CARDINALE M., MACCHIO S., 2001 - Biodiversità dell'avifauna italiana: variabilità morfologica nei Passeriformi. Parte I. *Biol. Cons. Fauna*, 107: 1-80.
74. ANDREOTTI A., BENDINI L., PIACENTINI D., **SPINA F.**, 2000 - Redwing *Turdus iliacus* migration in Italy: an analysis of ringing recoveries. *Ringling & Migration*.

2002

75. LICHERI D., **SPINA F.**, 2002 - Biodiversità dell'avifauna italiana: variabilità morfologica nei Passeriformi. Parte II (*Alaudidae-Sylviidae*). *Biol. Cons. Fauna*, 112: 1-208.
76. MACCHIO S., MESSINEO A., **SPINA F.**, 2002 - Attività di alcune stazioni di inanellamento italiane: aspetti metodologici finalizzati al monitoraggio ambientale. *Biol. Cons. Fauna* 110: 1-596.
77. RUBOLINI D., MASSI A., **SPINA F.**, 2002 - Replacement of body feathers is associated with low premigratory energy stores in a long-distance migratory bird, the barn swallow (*Hirundo rustica*). *J. Zool.*, 258: 441-447.
78. RUBOLINI D., GARDIAZABAL PASTOR A., PILASTRO A., **SPINA F.**, 2002 - Ecological barriers shaping fuel stores in barn swallows *Hirundo rustica* following the central and western Mediterranean flyways. *Journal of Avian Biology* 33: 15-22.
79. SCHWILCH R., GRATTAROLA A., **SPINA F.**, JENNI L., 2002 - Protein loss during long-distance migratory flight in passerine birds: adaptation and constraint. *The Journal of Experimental Biology* 205, 687-695.
80. MONTEMAGGIORI A., **SPINA F.**, 2002 - Il Progetto Piccole Isole (PPI): uno studio su ampia scala della migrazione primaverile attraverso il Mediterraneo, 2002 - In: Bricchetti P., Gariboldi A. *Manuale di Ornitologia*, Vol. 3. Edagricole, Bologna: 1-13.

2003

81. SPINA F., LICHERI D., 2003 – Biodiversità dell'avifauna italiana: variabilità morfologica nei Passeriformi. Parte III (*Muscicapidae-Emberizidae*). **Biol. Cons. Fauna**, 113: 1-177.
82. SAINO N., SZÉP T., ROMANO M., RUBOLINI D., SPINA F., MØLLER AP., 2004 - Ecological conditions during winter predict arrival date at the breeding quarters in a trans-Saharan migratory bird. **Ecology Letters**, 7: 21–25.

2004

83. RUBOLINI D., SPINA F., SAINO N., 2004 - Protandry and sexual dimorphism in trans-Saharan migratory birds. **Behavioral Ecology**, 15(4): 592–601.

2005

84. LICHERI D., SPINA F., 2005 – Biodiversità dell'avifauna italiana: variabilità morfologica nei non-Passeriformi. **Biol. Cons. Fauna**, 114: 1-192
85. RUBOLINI D., SPINA F., SAINO N., 2005 - Correlates of timing of spring migration in birds: a comparative study of trans-Saharan migrants. **Biol. Journal Linnean Society**, 85(2): 199-210.

2006

86. ATKINSON P., CLARK J.A., DELANY S., DIAFANA C., DU FEU C., FIEDLER W., FRANSSON T., GAULTIER-CLERC M., GRANTHAM M., GSCHWENG M., HAGEMEIJER W., HELMINK T., JOHNSON A., KHOMENKO S., MARTAKIS G., OVERDIJK O., ROBINSON R.A., SOLOKHA A., SPINA F., SYLLA S.I., VEEN J., VISSER D., 2006 – Urgent preliminary assessment of ornithological data relevant to the spread of Avian Influenza in Europe. **Report to the European Commission. Wetlands International-EURING, Study Contract N°07010401/2005/425926/MAR/B4**, pp. 347.
87. SPINA F., CLARK J., 2006 – EURING: its role in migration and flyway atlases. In: Boere, G.C., Galbraith C.A. & Stroud D.A. (eds.). **Waterbirds around the world**. The Stationery Office, Edinburgh. U.K., 960 pp.: 569-573.
88. SPINA F., PIACENTINI D., MONTEMAGGIORI A., 2006 - Bird migration across the Mediterranean: ringing activities on Capri within the Progetto Piccole Isole. **Ornis Svecica**, 16: 20-26.
89. JENNI L., MUELLER S., SPINA F., KVIST A., LINDSTROEM Å., 2006 - Effect of endurance flight on haematocrit in migrating birds. **Journal of Ornithology**, 147: 531-542
90. JONZÉN N., PIACENTINI D., ANDERSSON A., MONTEMAGGIORI A., STERVANDER M., RUBOLINI D., WALDENSTROEM J., SPINA F., 2006 - The timing of spring migration in trans-Saharan migrants: a comparison between Ottenby, Sweden and Capri, Italy. **Ornis Svecica**, 16: 27-33.
91. JONZÉN N., LINDÉN A., ERGON T., KNUDSEN E., VIK J.O., RUBOLINI D., PIACENTINI D., BRINCH C., SPINA F., KARLSSON L., STERVANDER M., ANDERSSON A., WALDENSTRÖM J., LEHIKONEN A., EDVARDSEN E., SOLVANO R., STENSETH N.C., 2006 - Rapid Advance of Spring Arrival Dates in Long-Distance Migratory Birds. **Science** 312: 1959-1961.
92. JONZÉN N., LINDÉN A., ERGON T., KNUDSEN E., VIK J.O., RUBOLINI D., PIACENTINI D., BRINCH C., SPINA F., KARLSSON L., STERVANDER M., ANDERSSON A., WALDENSTRÖM J., LEHIKONEN A., EDVARDSEN E., SOLVANO R., STENSETH N.C., 2006 - Supporting Online Material for Rapid Advance of Spring Arrival Dates in Long-Distance Migratory Birds. **Science** 312, 1959. DOI: 10.1126/science.1126119
93. RUBOLINI D., MASSI A., SPINA F., 2006 - Replacement of body feathers is associated with low pre-migratory energy stores in a long-distance migratory bird, the Barn Swallow (*Hirundo rustica*). **J. Zoology** 258(4): 441 - 447
94. ARADIS A., LANDUCCI G., RUDA P., TADDEI S., SPINA F., 2006 - La Beccaccia (*Scolapax rusticola*) nella Tenuta Presidenziale di Costelporziano. **Min. Politiche Agricole, Alimentari e Forestali – Istituto Nazionale Fauna Selvatica**, X: 1-38

2007

95. SAINO N., RUBOLINI D., JONZÉN N., ERGON T., MONTEMAGGIORI A., STENSETH N., SPINA F., 2007 - Temperature and rainfall anomalies in Africa predict timing of spring migration in trans-Saharan migratory birds. *Climate Research*, 35: 123-134.
96. SPINA F., LEONARDI G. (a cura di), 2007 - Piano nazionale d'azione pre il Falco della Regina (Falco eleonora). *Quad. Cons. Natura* 26, Min. Ambiente - Ist. Naz. Fauna Selvatica: 1-69.
97. VEEN J., BROUWER J., ATKINSON P., BILGIN C., BLEW J., EKSIÖGV S., HOFFMANN M., NARDELLI R., SPINA F., TENDI C., DELANY S., 2007 - Ornithological data relevant to the spread of Avian Influenza in Europe. Further identification and first field assessment of Higher Risk Species. Wetlands International, Wageningen, The Netherlands, pp. 59.
98. JONZÉN N., LINDÉN A., ERGON T., KNUDSEN E., VIK J.O., RUBOLINI D., PIACENTINI D., BRINCH C., SPINA F., KARLSSON L., STERVANDER M., ANDERSSON A., WALDENSTRÖM J., LEHIKONEN A., EDVARDSEN E., SOLVANO R., STENSETH N.C., 2007, - Response to Comment on "Rapid Advance of Spring Arrival Dates in Long-Distance Migratory Birds". *Science*, 315: 598.

2008

99. ARADIS A., MILLER M.W., LANDUCCI G., RUDA P., TADDEI S., SPINA F., 2008 - Winter survival of Eurasian Woodcock *Scolopax rusticola* in central Italy. *Wildlife Biology*, 14: 36-43.
100. BRAMBILLA M., VITULANO S., SPINA F., BACCETTI N., GARGALLO G., FABBRI E., GUIDALI F., RANDI E., 2008 - A molecular phylogeny of the *Sylvia cantillans* complex: Cryptic species within the Mediterranean basin. *Mol. Phylogenet. Evol.* (2008), doi:10.1016/j.ympev.2008.05.013.
101. PEDRINI P., ROSSI F., RIZZOLLI F., SPINA F., 2008 - Le Alpi italiane quale barriera ecologica nel corso della migrazione post-riproduttiva attraverso l'Europa: risultati generali della prima fase del Progetto Alpi (1997-2002). *Biol. Cons. Fauna*, 116: 1-336.
102. SPINA F., VOLPONI S., 2008 - Atlante della Migrazione degli Uccelli in Italia. Vol. 1: non-Passeriformi. ISPRA - MATTM, Roma, pp. 800.
103. SPINA F., VOLPONI S., 2008 - Atlante della Migrazione degli Uccelli in Italia. Vol. 2: Passeriformi. ISPRA - MATTM, Roma, pp. 629.
104. PILASTRO A., MACCHIO S., MASSI A., MONTEMAGGIORI A., SPINA F., 2008 - Spring migratory routes of eight trans-Saharan passerines through the central and western Mediterranean; results from a network of insular and coastal ringing sites. *Ibis* 140: 591-598.

2009

105. BRAMBILLA M., VITULANO S., FERRI A., SPINA F., FABBRI E., RANDI E., 2010 - What are we dealing with? An explicit test reveals different levels of taxonomical diagnosability in the *Sylvia cantillans* species complex. *Journal of Ornithology*, DOI 10.1007/s10336-009-0457-4
106. SAINO N., RUBOLINI D., VON HARDENBERG J., AMBROSINI R., PROVENZALE A., ROMANO M., SPINA F., 2009 - Spring migration decisions in relation to weather are predicted by wing morphology among trans-Mediterranean migratory birds. *Functional Ecology*, doi: 10.1111/j.1365-2435.2009.01659.x

2010

107. BRAMBILLA M., VITULANO S., FERRI A., SPINA F., FABBRI E., RANDI E., 2010 - What are we dealing with? An explicit test reveals different levels of taxonomical diagnosability in the *Sylvia cantillans* species complex. *Journal of Ornithology*.
108. CECERE J.G., MATRICARDI C., FRANK B., IMPERIO S., SPINA F., GARGALLO G., BARBOUTIS C., BOITANI L., 2010 - Nectar exploitation by songbirds at Mediterranean stopover sites. *Ardeola* 57(1): 143-157.
109. GAGGINI V., BALDACCINI E., SPINA F., GIUNCHI D., 2010 - Orientation of the pied flycatcher *Ficedula hypoleuca*: cue-conflict experiments during spring migration. *Behav. Ecol. Sociobiol.* 64:1333-1342

110. GOYMANN W., SPINA F., FERRI A., FUSANI L., 2010 – Body fat influences departure from stopover sites in migratory birds: evidence from whole-island telemetry. **Biology Letters** 6: 478-481. doi: 10.1098/rsbl.2009.1028
111. TENAN S., SPINA F., 2010 – Timing and condition-related effects of recapture probability, mass change and stopover length of spring migrating songbirds on a small Mediterranean island. **Ardeola** 57(1): 121-132.
112. SAINO N., RUBOLINI D., SERRA L., CAPRIOLI M., MORGANTI M., AMBROSINI R., SPINA F., 2010 - Sex-related variation in migration phenology in relation to sexual dimorphism: a test of competing hypotheses for the evolution of protandry. **J. Evol. Biology**, doi:10.1111/j.1420-9101.2010.02068.x

2011

113. CECERE J.G., CORNARA L., SPINA F., IMPERIO S., BOITANI L. 2011 – Birds outnumber insects in visiting flowers on Ventotene island (Central Mediterranean). **Vie et Milieu**, in press.
114. CECERE J.G., CORNARA L., MEZZETTA S., FERRI A., SPINA F., BOITANI L., 2011 - Pollen couriers across the Mediterranean: the case of migrating warblers. **Ardea** 99: 33–42.
115. CECERE J.G., Jenni-Eiermann S., SPINA F., BOITANI L. 2011 - Nectar: an energy drink used by European songbirds during spring migration. **J. Ornithol.** 152: 923-931.
116. KNUDSEN E., LINDEN A., BOTH C., JONZEN N., PULIDO F., SAINO N., SUTHERLAND W.J., BACH L.A., COPPACK T., ERGON T., GIENAPP P., GILL J.A., GORDO O., HEDENSTROEM A., LEHIKONEN E., MARRA P., MØLLER A.P., NILSSON A., PERON G., RANTA E., RUBOLINI D., SPARKS T., SPINA F., STUDDS C.E., SÆTHER S., TRYJANOWSKI P., STENSETH N.C. 2011 - Challenging claims in the study of migratory birds and climate change. **Biological Reviews**. doi: 10.1111/j.1469-185X.2011.00179.x
117. MORGANTI M., MELLONE U., BOGLIANI G., SAINO N., FERRI A., SPINA F., RUBOLINI D., 2011 - Flexible tuning of departure decisions in response to weather in black redstarts *Phoenicurus ochruros* migrating across the Mediterranean Sea. **J. Avian Biol.** 42: 323-334.
118. SPINA, F., 2011 - Joint ringing efforts to unravel complex migratory patterns across ecological barriers: the potential of networking. **J. Ornithol.**, 152 (Suppl 1):S41–S48 DOI 10.1007/s10336-011-0715-0
119. TRUCCHI, E. , ALLEGRUCCI, G., RICCARDUCCI, G., ARADIS, A., SPINA, F. AND SBORDONI, V., 2011- A genetic characterization of European Woodcock (*Scolopax rusticola*, Charadriidae, Charadriiformes) overwintering in Italy'. **Italian Journal of Zoology**. 10.1080/11250003.2010.547877
120. AMBROSINI R., RUBOLINI D., MØLLER A., BANI L., CLARK J., KARCZA Z., VANGELUWE D., DU FEU C., SPINA F., SAINO N., 2011 - Climate change and the long-term northward shift in the African wintering range of the barn swallow *Hirundo rustica*. **Clim. Res.** 49: 131-141.

2012

121. SERRA L., PIRRELLO S., CAPRIOLI M., GRIGGIO M., ANDREOTTI A., ROMANO A., PILASTRO A., SAINO N., SACCHI R., GALEOTTI P., FASOLA M., SPINA F., RUBOLINI D., 2012 - Seasonal decline of offspring quality in the European starling *Sturnus vulgaris*: an immune challenge experiment. **Behav. Ecol. Sociobiol.** DOI 10.1007/s00265-012-1318-3.
122. BRAMBILLA M., VITULANO S., FERRI A., SPINA F., FABBRI E., RANDI E., 2012 - An unexpected pattern of migration revealed in the Subalpine Warbler *Sylvia cantillans* complex by mitochondrial DNA analyses. **Ibis** 154: 616-620.

2013

123. MAGGINI I., SPINA F., VOIGT C., FERRI A., BAIRLEIN F., 2013 - Differential migration and body condition in Northern Wheatears (*Oenanthe oenanthe*) at a Mediterranean spring stopover site. **J. Ornithol.** DOI 10.1007/s10336-012-0896-1

2014

124. AMBROSINI R., BORGONI R., RUBOLINI D., SICURELLA B., FIEDLER W., BAIRLEIN F., BAILLIE S.R., ROBINSON R.A., CLARK J.A., SPINA F., SAINO N., - 2014 Modelling the Progression of Bird Migration with Conditional Autoregressive Models Applied to Ringing Data. **PLoS ONE** 9(7): e102440. doi:10.1371/journal.pone.0102440.

2015

125. NARDELLI R., ANDREOTTI A., BIANCHI E., BRAMBILLA M., BRECCIAROLI B., CELADA C., DUPRÉ E., GUSTIN M., LONGONI V., PIRRELLO S., **SPINA F.**, VOLPONI S., SERRA L., 2015 - Rapporto sull'applicazione della Direttiva 147/2009/CE in Italia: dimensione, distribuzione e trend delle popolazioni di uccelli (2008-2013). **ISPRA SERIE RAPPORTI**, 219/2015
126. GIUNCHI D., VANNI L., BALDACCINI N.E., **SPINA F.**, BIONDI F., 2015 - New cue-conflict experiments suggest a leading role of visual cues in the migratory orientation of Pied Flycatchers *Ficedula hypoleuca*. **J. Ornithol.** DOI: 10.1007/s10336-014-1107-z
127. Saino N., Bazzi G., Gatti E., Caprioli M., Cecere J.G., Possenti C.D., Galimberti A., Orioli V., Bani L., Rubolini D., Gianfranceschi L., **Spina F.**, 2015 - Polymorphism at the Clock gene predicts phenology of long-distance migration in birds. **Molecular Ecology**, DOI: 10.1111/mec.13159.
128. Schmaljohann H., Meier C., Arlt D., Bairlein F., van Oosten H., Morbey Y., Åkesson S., Buchmann M., Chernetsov N., Desaeveer R., Elliott J., Hellström M., Liechti F., López A., Middleton J., Ottosson U., Pärt T., **Spina F.**, Eikenaar C., 2015 - Proximate causes of avian protandry differ between subspecies with contrasting migration challenges. **Behav. Ecol.** 1–11. doi:10.1093/beheco/arv160.

2016

129. Ambrosini R., Cuervo J.J., du Feu C., Fiedler W., Musitelli F., Rubolini D., Sicurella B., **Spina F.**, Saino N., Møller A., 2015 - Migratory connectivity and effects of winter temperatures on migratory behaviour of the European robin *Erithacus rubecula*: a continent-wide analysis. **J. Anim. Ecol.**, DOI: 10.1111/1365-2656.12497
130. Bazzi G, Podofillini S, Gatti E, Gianfranceschi L, Cecere JG., **Spina F.**, Saino N, Rubolini D (2016). Candidate genes have sex-specific effects on timing of spring migration and moult speed in a long-distance migratory bird. **Current Zoology**, zow103.
131. Bazzi G, Cecere JG, Caprioli M, Gatti E, Gianfranceschi L, Podofillini S, Possenti CD, Ambrosini R, Saino N, **Spina F.**, Rubolini D (2016). Clock gene polymorphism, migratory behaviour and geographic distribution: a comparative study of trans-Saharan migratory birds. **Molecular Ecology** 25: 6077-6091.

2017

132. Marx M, Reiner G, Willems H, Rocha G, Hillerich K, Masello JF, Mayr SL, Moussa S, Dunn JC, Thomas RC, Goodman SJ, Hamer KC, Metzger B, Cecere JG., **Spina F.**, Koschkar S, Calderon L, ROMEIKE T, Quillfeldt P (2017). High prevalence of *Trichomonas gallinae* in wild columbids across western and southern Europe. **Parasites & Vectors** 10 - 242.

2018

133. Di Lecce I, Bazzocchi C, Cecere JG., Epis S, Sasseria D, Villani BM, Bazzi G, Negr A, Saino N, **Spina F.**, Bandi C, Rubolini D. (2018). Patterns of *Midichloria* infection in avian-borne African ticks and their trans-Saharan migratory hosts. **Parasites & vectors**, 11(1), 106
134. Musitelli F., **Spina F.**, Møller A.P., Rubolini D., Bairlein F., Baillie S.R., Clark J., Nikolov B., du Feu C., Robinson R.A., Saino N., Ambrosini R. Representing migration routes from re-encounter data: a new method applied to ring recoveries of barn swallows (*Hirundo rustica*) in Europe. **Journal Ornithology**.
135. Brakes P, Dall S., Aplin L.M., Bearhop S., Carroll E., Ciucci P., Fishlock V., Ford J.K.B., Garland E.C., Keith S., McGregor P.K., Mesnick S.L., Noad M.J., Notarbartolo di Sciara G., Robbins M.R., Simmonds M.P., **Spina F.**, Thornton A., Wade P.R., Whiting M.J., Williams J., Rendell L., Whitehead H., Whiten A., Rutz C. (2018). Animal culture and conservation. **Science. Policy Forum**. Ms ref. aaw3557
136. Emmenegger T., Bauer S., Hahn S., Müller S. B., **Spina F.**, Jenni (2018). Blood parasites prevalence of migrating passerines increases over the spring passage period. **J Zool**.

2019

137. Mancuso E., Toma L., Polci A., d'Alessio s.g., Di Luca M., Orsini M., Di Domenico M., Marcacci M., Mancini G., **Spina F.**, Goffredo M., Monaco F. (2019). Detection of

Crimean-Congo haemorrhagic fever virus genome in a tick from migratory birds in Italy. *Emerging Infectious Diseases, in press.*

138. Pascucci I., Di Domenico M., Capobianco Dondona G., Di Gennaro A., Polci A., Capobianco Dondona A., Mancuso E., Cammà C., Savini G., Cecere J.G., Spina F., Monaco F. (2019). Assessing the role of migratory birds in the introduction of ticks and tick-borne pathogens from African countries: An Italian experience. *Ticks and Tick-borne Diseases, in press.*

SELEZIONE DI PUBBLICAZIONI DI SINTESI E RELAZIONI TECNICHE

1. JENNI, L., BERTHOLD P., PEACH W., SPINA F. (eds.). 1994. Bird Ringing in Science and Environmental Management. Compositori, Bologna, 25 pp.
2. SPINA F., 1997 - Inanellamento e ricerca. In: Bricchetti, P. A. Gariboldi (eds.), *Manuale Pratico di Ornitologia*. Edagricole, Bologna: 177-194.
3. SPINA F. (ed.), 1999 - EURING Newsletter 2: 1-58, INFS, Bologna.
4. SPINA F., SERRA L., 2003 - An update of periods of pre-nuptial migration and reproduction for Annex II species in Italy. Rapporto INFS: pp. 175.
5. ANDREOTTI A., SERRA L., SPINA F., 2004 - Relazione tecnico-scientifica sull'individuazione delle decadi riferite all'Italia nel documento "Key Concepts of Article 7(4) of Directive 79/409/EEC". Rapporto INFS: pp. 50.
6. IENTILE R. & SPINA F., 2006 - Studio di settore e del connesso monitoraggio *ante-operam* relativo all'avifauna migratoria attraverso lo Stretto di Messina. Primo rapporto sull'avanzamento delle attività di analisi bibliografica. I.N.F.S., pp. 131.
7. IENTILE R., SPINA F. & AGOSTINI N., 2006 - Studio di settore e del connesso monitoraggio *ante-operam* relativo all'avifauna migratoria attraverso lo Stretto di Messina. Secondo rapporto relativo alle attività di studio e monitoraggio. I.N.F.S., pp. 81.
8. SPINA F., 2006 - Report of the Chair of the Scientific Program Committee, Fernando Spina. Proceedings 23d International Ornithological Congress, Beijing, 11-17 August 2002. *Acta Zoologica Sinica*, 52: 9-13.
9. AGOSTINI N., CALVARIO E., IENTILE R., SPINA F., 2006 - Studio di settore e del connesso monitoraggio *ante-operam* relativo all'avifauna migratoria attraverso lo Stretto di Messina. Terzo rapporto relativo alle prime risultanze dei rilevamenti primaverili ed alle proposte di misure mitigatrici e/o compensative degli impatti, con relative elaborazioni cartografiche. I.N.F.S., pp. 104.
10. IENTILE R., SPINA F., AGOSTINI N., CALVARIO E. 2006 - Studio di settore e del connesso monitoraggio *ante-operam* relativo all'avifauna migratoria attraverso lo Stretto di Messina. Quarto rapporto conclusivo delle attività di monitoraggio. I.N.F.S., pp. 181.
11. SACCHI M., VOLPONI S. SPINA F., 2006 - Programma di studio degli uccelli di interesse venatorio nel Lazio. Relazione conclusiva. I.N.F.S., pp. 39.
12. SPINA F., VOLPONI S., 2006 - Sintesi relativa alle diverse Regioni Italiane delle segnalazioni di Anatidi inanellati. I.N.F.S., pp. 41.
13. SPINA F., 2006 - Guida al Museo della Migrazione ed Osservatorio Ornitologico di Ventotene. *Darwin Soc. Coop.*: 30 pp.
14. BAILLIE S., BAIRLEIN F., CLARK J., DU FEU C., FIEDLER W., FRANSSON T., HEGELBACH J., JUILLARD R., KARCZA Z., KELLER L., KESTENHOLZ M., SCHAUB M., SPINA F., 2007 - Bird ringing for science and conservation. Arcatour SA, Zug, CH - EURING, pp. 33.
15. NARDELLI R., FERRI A., SPINA F., 2008 - Valutazione di incidenza relativa agli interventi di riqualificazione ambientale e recupero morfologico mediante conferimento di FOS nella Cava S.A.R.I. (Comune di Terzino). Studio di incidenza su popolazioni e specie di fauna selvatica. I.N.F.S., 32 pp.
16. MACCHIO S., NARDELLI R., FERRI A., SPINA F., 2008 - Progetto finalizzato alla valutazione dell'agro-ecosistema mediante l'utilizzo di indicatori di qualità ambientale nonché alla gestione e controllo dei danni arrecati da avifauna alle colture. I.N.F.S., 247 pp.

17. ANDALORO F., BISCARDI S., CALVARIO C., CELADA C., FRATICELLI F., MASSA B., MONTEMAGGIORI A., RUSSO D., **SPINA F.**, ZERUNIAN S., 2009 – Tutela delle specie migratrici e dei processi migratori. Progetto MATTM-WWF Onlus "Verso la Strategia Nazionale per la Biodiversità: i contributi della Conservazione Ecoregionale. Roma. 36 pp.
18. **SPINA F.**, Key Concepts of Article 7(4) of Directive 79/409/EEC. In: http://ec.europa.eu/environment/nature/conservation/wildbirds/hunting/docs/reprod_intro.pdf
19. Ferri A., **Spina F.** 2010. Riserva Naturale Statale "Isole di Ventotene e Santo Stefano". Servizio di monitoraggio annuale dei flussi migratori dell'avifauna. Resoconto dell'attività svolta nella primavera 2010.
20. **Spina F.** 2010. Gli uccelli, ottimi indicatori della biodiversità. IdeAmbiente 48: 40-41.
21. **Spina F.** 2010. Ricerca e monitoraggio dell'avifauna italiana per la corretta applicazione delle normative ambientali. IdeAmbiente 49: 16-17
22. **Spina F.** 2010. Collaborazione alla stesura e revisione scientifica di: Gustin M., Brambilla M., Celada C. Valutazione dello stato di conservazione dell'avifauna italiana. Le specie nidificanti e svernanti in Italia, non inserite nell'Allegato 1 della Direttiva Uccelli. Vol. 1. Non Passeriformes. MATTM-LIPU, 842 pp.
23. **Spina F.** 2010. Collaborazione alla stesura e revisione scientifica di: Gustin M., Brambilla M., Celada C. Valutazione dello stato di conservazione dell'avifauna italiana. Le specie nidificanti e svernanti in Italia, non inserite nell'Allegato 1 della Direttiva Uccelli. Vol. 2. Passeriformes. MATTM-LIPU, 1186 pp.

Monterenzio, 20.12.2018

Dott. Fernando Spina



CRA 16 ALL. 10
DCL PRES

Convention on the Conservation of Migratory Species of Wild Animals

Secretariat provided by the United Nations Environment Programme



Prof. Bernardo De Bernardinis
President of ISPRA
Via Vitaliano Brancati 48
00144 ROMA
Italy

ISPRA PROTOCOLLO GENERALE	
RESP.	INFS
COSTA	DIREZIONE
	PRESIDENTE



Bonn, 1 December 2011

Dear Prof. Bernando De Bernardinis,

It is with great pleasure that I would like to inform you that Dr. Fernando Spina, CMS Scientific Council member for Italy, has been elected Chair of the Scientific Council of the UNEP Convention on the Conservation of Migratory Species of Wild Animals. The 17th Meeting of the Scientific Council (17-18 November 2011, Bergen, Norway), which preceded our Tenth Meeting of the Conference of the Parties (20-25 November 2011, Bergen, Norway) unanimously elected Dr. Spina. As you know, Dr. Spina successfully chaired the Ninth Meeting of the Conference of the Parties (1-5 December 2008, Rome, Italy) and has been a much valued Scientific Council member since his appointment in early 2007.

Dr. Spina's extensive knowledge of animal migration, especially of birds, as well as his commitment and understanding of environmental governance processes and long term experience in the application of international environmental legislation, will be very valuable for implementing and guiding the challenging work programme of the Scientific Council. At CMS Dr. Spina is highly respected for his excellent chairing and negotiating skills, not least following the superb chairmanship in Rome at COP9 in 2008. Thus I can only congratulate the Scientific Council on their excellent choice.

The tasks ahead do not only require scientific and policy understanding, but also a strong commitment to allow Dr. Spina to adequately prepare and guide the Scientific Council. I can assure you that our Science Unit at the Secretariat will do their utmost to support Dr. Spina to make his task easier and to coordinate amongst the approximately 100 members of the Scientific Council. I trust we can rely on you and your organization to equally lend your support.

In this spirit please accept the assurances of my highest consideration and the Secretariat's best wishes for the festive season.

Yours sincerely,

Elizabeth Maruma Mrema
Executive Secretary

cc:
Dr. Ettore Randi, Co-ordinator CRA16 ISPRA
Dr. Fernando Spina, ISPRA

18 OTT. 2016

Pens - COPE ANI



Convention on the Conservation of Migratory Species of Wild Animals

Secretariat provided by the United Nations Environment Programme



TO WHOM IT MAY CONCERN

ALL.14

Mr. Fernando Spina was appointed by the Italian Ministry of Environment as member of the Scientific Council to the Convention on the Conservation of Migratory Species of Wild Animals (CMS) in January 2007. Since then, Mr. Spina has attended a number of meetings related to CMS and provided valuable contributions to them all.

Given his extensive knowledge of CMS matters and experience of international negotiations, in 2008, Mr. Spina was elected to preside over the Ninth Meeting of the Conference of the Parties to the Convention which was hosted by the Italian Government in Rome. The success of the meeting, which was attended by over 400 participants and addressed several controversial issues, was greatly attributable to the ability of Mr. Spina to steer difficult discussions and build consensus.

Based on his proven record of presiding over meetings and his reputation as a research scientist, Mr. Spina was elected as Chair of the CMS Scientific Council for the triennium 2012-2014 and was reconfirmed in this position for the current one 2015-2017. This role requires presiding over actual meetings of this advisory body comprising over 100 members as well as chairing regular discussions of dedicated working groups.

Furthermore, in the last few years, Mr. Spina was asked to chair other technical and intergovernmental meetings associated with the Convention, including:

- First Meeting of the Signatories to the Memorandum of Understanding on the Conservation of Migratory Sharks, 24 - 27 September 2012, Bonn, Germany;
- Sixth Meeting of the Chairs of the Scientific Advisory Bodies of the Biodiversity-related Conventions, 7 October 2013, Formia, Italy. It was attended by representatives of the scientific advisory bodies of CBD, CITES, CMS, the GEF, the Ramsar Convention and the World Heritage Convention, with observers from UNEP/WCMC, IUCN and AEWA;
- CMS Ad hoc Meeting on Harmonization of Bird Taxonomy, 8 October 2013, Formia, Italy;
- Sixth Session of the Meeting of the Parties to the Agreement on the Conservation of African-Eurasian Migratory Waterbirds (AEWA), 9 - 14 November 2015, Bonn, Germany;
- CMS Workshop on Connectivity "A single Earth: migratory animals connect the planet", 27-30 September 2015, Albarella, Italy. The workshop was convened on Mr. Spina's initiative.

Mr. Spina's passion and extensive knowledge of nature conservation, his vast experience of international negotiations and his outstanding communication and diplomatic skills have been instrumental in the success of these meetings and have helped considerably in advancing the CMS agenda.

Bonn, 17 October 2016



Bradnee Chambers
UNEP/CMS Executive Secretary



Convention on the Conservation of Migratory Species of Wild Animals

Secretariat provided by the United Nations Environment Programme



Mr. Fernando Spina
Senior Scientist
Istituto Superiore Protezione Ricerca Ambientale ISPRA
9, Via Ca' Fornacetta
40064 Ozzano Emilia (Bo)
Italy

fernando.spina@isprambiente.it

ISPRA

PROTOCOLLO GENERALE
Nr.0046319 Data 04/12/2012
Tit. X Arrivo

12
PERS

Jose pers
DOU S... ..

Bonn, 03 December 2012

Subject: Chairmanship of 1st Meeting of the Signatories to the UNEP/CMS Sharks MOU

ALL. 14a

Dear Fernando,

I would like to thank you once again for your great support both before and during the 1st Meeting of the Signatories to the Sharks MOU in Bonn. We are fully satisfied with the results of the MOS which we would not have achieved without your contribution and support. We are pleased to say that it has been a great team effort!

Your effective chairmanship together with your involvement in all crucial negotiations both in plenary or in working groups has also enabled us to reach agreement on a number of challenging issues.

We will continue seeking your support and we will contact you again to examine the next steps in implementing the decisions made in Bonn, in your capacity as Chair of the Meeting to the Signatories to the Sharks MOU.

My colleagues, Melanie and Andrea, and I would like to thank you personally for your enthusiasm and commitment, which really helped to make the meeting a success.

My very best wishes,

Bert Lenten
Officer in Charge
UNEP/CMS Secretariat

4558/15

ALL. 15



Agreement on the Conservation of African-Eurasian Migratory Waterbirds (AEWA)

Secretariat provided by the United Nations Environment Programme (UNEP)

 AEWA

Ms. Maria Carmela Giarratano
Director General
Direzione Generale per la Protezione della Natura e del Mare
Ministero dell'Ambiente e della tutela del territorio e del mare
Via C. Colombo 44
00144 Roma
ITALIA
PNM-UDG@minambiente.it

52848
17 NOV. 2015

POSA/C
AVI
RAE
DIREZIONE
PERSONALE

Dr. Stefano Laporta
Director General, ISPRA
Via Brancati, 48
00144 Roma
ITALIA
segreteria.direzione@isprambiente.it

Date: 16 November 2015
Ref: 15-241-sd

Subject: Chairing of AEWA MOP6 by Dr. Fernando Spina

Dear Ms. Giarratano, dear Dr. Laporta,

With this letter I would like to express the deepest appreciation of the UNEP/AEWA Secretariat for the extremely professional and effective chairing of the 6th Session of the Meeting of Parties (MOP6) to AEWA provided by Dr. Fernando Spina.

It is not the Secretariat alone which recognised the excellent chairing. A great number of Contracting Parties spoke very high of Dr. Spina's performance and expressed their gratitude and admiration at the closure of the meeting and personally outside of the sessions. The collective opinion of many governments and other participants in the meeting is that Dr. Spina was an immaculate chair who guided the decision making process in unbiased and objective way which provided for the great success of this meeting.

MOP6 was indeed a complex and decisive event for the future of the Agreement and it required a respected and experienced chair to lead the Parties through this event and ensure successful outcome. Dr. Fernando Spina undoubtedly was the person to achieve this.

Dr. Spina was a major asset for MOP6 in his capacity as chair and his performance has further strengthened the reputation of the Institution and the country he represents.

Yours sincerely,

Dr. Jacques Trouvilliez
Executive Secretary

Cc : Dr. Fernando Spina, ISPRA, Via Ca' Fornacetta 9, 40064 OZZANO EMILIA, Bologna, Italia



UNEP/AEWA Secretariat • UN Campus • Platz der Vereinten Nationen 1 • 53113 Bonn • Germany
Tel.: (+49) 228 815 2455 • Fax: (+49) 228 815 2450
aewa.secretariat@unep-aewa.org • www.unep-aewa.org

19 NOV. 2013

IL DIRETTORE GENERALE

Dott. Stefano Laporta

CRA 16



Convention on the Conservation of Migratory Species of Wild Animals

Secretariat provided by the United Nations Environment Programme



UNEP

On. Andrea Orlando
Ministro
Ministero dell'Ambiente e della Tutela del Territorio e del Mare
Via Cristoforo Colombo, n. 44
00147 - Roma
Italia



PROES
ANFS
DIR

Oggetto: **Ruolo dell'Italia nella promozione della CMS e preparazione della COP11**

ALL. 17

Bonn, 12 novembre 2013

Onorevole Orlando,

Le scrivo per portare alla Sua attenzione l'eccellente esito di due importanti iniziative che si sono avvalse del considerevole apporto ed impegno italiano, in particolare dell'Istituto Superiore per la Protezione e la Ricerca Ambientale (ISPRA), e desidero ringraziare Lei ed il Suo Ministero per aver contribuito a promuoverle.

Come saprà, si è di recente tenuta a Formia una riunione sul valore economico delle specie migratrici patrocinata dal Suo Ministero ed organizzata con ISPRA; il Parco Regionale Riviera di Ulisse ed il Comune di Formia. L'incontro si è svolto nel contesto di una settimana di riunioni dedicate al lavoro del Consiglio Scientifico della CMS, presieduto dal Dott. Fernando Spina, Dirigente di Ricerca responsabile del Centro Nazionale di Inanellamento dell'ISPRA. Il convegno ha toccato diversi aspetti e prospettive sul concetto delle specie migratrici quali risorse strategiche per le economie locali ed è riuscito a fornire un'ampia ed accurata visione globale di questo importante ruolo della biodiversità grazie alla varietà ed all'alta qualità degli interventi.

Inoltre, come Le avevo comunicato lo scorso maggio, su iniziativa del Dott. Spina, abbiamo organizzato un concerto di beneficenza, a Bonn, a sostegno della Giornata Mondiale degli Uccelli Migratori (WMBD) e per celebrare il bicentenario della nascita di Giuseppe Verdi. I numerosi proventi del concerto sono andati a sostegno di un nostro progetto di conservazione della Gru coronata grigia in Africa.

Il tema della campagna del WMBD per il 2014 sarà legato al turismo sostenibile come veicolo per conservare gli uccelli migratori ed i loro habitat. Sia questa campagna, sia il convegno appena tenuto a Formia rientrano nell'ottica di promozione della *green economy*, la quale costituisce l'oggetto della Conferenza nazionale organizzata dal Suo Ministero per dicembre.

Saremmo lieti se la Convenzione di Bonn fosse rappresentata e fornisse un contributo a questa Conferenza. Il Dott. Spina sarebbe sicuramente l'opportuno porta voce della CMS e del lavoro legato a questo argomento a livello internazionale.

Considerando il crescente interesse verso questa tematica e le molteplici iniziative in corso, stiamo contemplando l'idea di incentrare il tema della nostra prossima Conferenza delle Parti

(COP) che si terrà nella seconda metà del 2014, proprio sul ruolo delle specie migratrici per uno sviluppo globale sostenibile.

Come Le avevo accennato nella mia lettera di maggio, Le sarei grato se ci potessimo incontrare a breve di persona per discutere la preparazione della COP, visto soprattutto il ruolo cruciale che l'Italia, quale Presidenza del Consiglio dell'Unione Europea nel secondo semestre 2014, rivestirà per la piena riuscita della nostra Conferenza.

Confidiamo in una riunione con Lei e con quanti saranno primariamente coinvolti nello svolgimento di tale ruolo per poter offrire il supporto e l'assistenza del nostro Segretariato nel programmare le numerose ed impegnative attività che ci guideranno verso la COP 2014.

In occasione del nostro incontro, sarò lieto di informarla di altre importanti iniziative che stiamo portando avanti su numerose specie e su temi quali governance e riforma del Consiglio Scientifico e per le quali le decisioni della COP saranno determinanti nel definire le priorità della Convenzione per il prossimo triennio e oltre.

In attesa di un Suo cordiale riscontro, Le porgo i miei più distinti saluti.



Brydnee Chambers
Segretario Esecutivo della CMS

Cc:
Dott. Renato Grimaldi
Direttore Generale
Direzione generale per la protezione della natura e del mare
Ministero dell'Ambiente e della Tutela del Territorio e del Mare
E-mail: pnm-udg@minambiente.it

Mr. Felice Cappelluti
Ministero dell'Ambiente e della Tutela del Territorio e del Mare
Via Capitano Bavastro 174
00147 Roma, Italia
E-mail: cappelluti.felice@minambiente.it

Dott. Bernardo de Bernardinis
Presidente,
Istituto Superiore per la Protezione e la Ricerca Ambientale (ISPRA)
E-mail: segreteria.presidenza@isprambiente.it

Dott. Fernando Spina,
Dirigente di Ricerca,
Centro Nazionale di Inanellamento, ISPRA
Sede amministrativa ex-INFIS Via Ca' Fornacetta,
91 - 40064 OZZANO EMILIA,
Bologna, Italia
Email: fernando.spina@isprambiente.it

Centre d'Ecologie Fonctionnelle et Evolutive

Montpellier, 13 mars 2000

Prof. Fernando Spina
INFS
Via ca'Fornacetta, 9
40064 Ozzano dell'Emilia (BO)
Italy

Dear Prof. Spina,


It is a pleasure for me to confirm that you have been elected as a member of the Council of the European Ornithologists' Union during the last General Meeting of the Society which met at Gdansk, Poland, in September 1999.

Your election is a testimony of the leading role you have in the field of Ornithology in Europe because there cannot be more than one Council member per country.

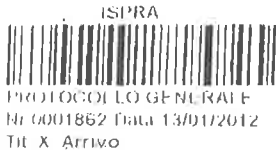
I also add that all the European ornithologists who attended the Gdansk Congress made enthusiastic comments on the beautiful volume you produced after the First Congress of the EOU which has been held at Bologna in 1997. The Proceedings of the Bologna Congress are a landmark for ornithology in Europe.

I warmly congratulate you for this election and I will be very happy to work with you for the development of Ornithology in Europe during the years to come.

Yours very sincerely,



Jacques Blondel
President of the European Ornithologists' Union



TC7
COPRO
ASJ



ALL.24
EURING

The European Union for Bird Ringing

EURING, W. Fiedler, Schlossallee 2, D-78315 Radolfzell

To whom it may concern

Chairman

Dr. Wolfgang Fiedler

Max Planck Institute for Ornithology

Vogelwarte Radolfzell

Schlossallee 2, D-78315 Radolfzell

Tel.: 07732 - 150160

Fax: 07732 - 150169

fiedler@orn.mpg.de

Date 2012-01-12

It is my pleasure to certify that Fernando Spina acted as Chairman of the European Union for Bird Ringing (EURING) from 1995 to 2005. In this period he certainly imprinted the way how the role of scientific bird ringing for solving actual and future challenges in conservation is seen today. Through intensive networking between all European institutions that are coordinating ringing projects, other scientists and the relevant committees at the European Union he played - and still plays - a significant role in the linking between science and decision makers on an international level. In addition, thanks to Fernando Spina, the standards and methods in scientific bird ringing studies that have been developed by the EURING group over decades are now guidelines for newly emerging-bird ringing studies in all parts of the world.

During his term of office Fernando Spina coordinated several international cooperation projects like the EURING Swallow Project. These joint projects aim to bring together volunteers, scientists and conservationists from many countries sharing the interest in the biology and conservation of a long distance migratory bird, the Barn Swallow. Since this bird species inhabits most parts of the world and most populations migrate between continents twice a year any effort in understanding the population developments and conservation needs of such a species must be based on international cooperation. In such a project bringing together the biological field work of volunteers, the interest and way of thinking of scientists as well as the demands of conservationists from dozens of countries is a big challenge. It was EURING's fortune that during the conduct of the Swallow project and other larger projects in the person of Fernando Spina we had one of the most appropriate characters for that kind of coordinating work I have ever met in a leading position of the board.

Radolfzell, 12 January 2012

(Wolfgang Fiedler, EURING Chairman)

Chairman: Wolfgang Fiedler (Germany), Vice Chairman: Kasper Thorup (Denmark)
General Secretary: Jacque Clark (UK), Treasurer: Thord Fransson (Sweden)
Other board members: Gabriel Cargallo (Spain), Boris Nikolov (Bulgaria),
Michael Schaub (Switzerland)

The European Union for Bird Ringing - <http://www.euring.org>
Bank account: Postbank Stuttgart, Germany No. 43 71 705
Bank Identification Code (BIC): PBNK DE 33 600
IBAN: DE 37600 100 70 000 43 71

1002

ALL-25

Institut für Vogelforschung

"Vogelwarte Helgoland"

Institut für Vogelforschung, D-26386 Wilhelmshaven

Dr. Fernando Spina
I.N.F.S.
Via Ca' Fornacetta 9

I-40064 Ozzano Emilia (BO)
Italy

An der Vogelwarte 21
D-26386 Wilhelmshaven
Tel. 0 44 21 / 96 89 - 0
Fax 0 44 21 / 96 89 - 55

Inselstation Helgoland
Postfach 1220
D-27494 Helgoland
Tel. 0 47 25 / 3 06
Fax 0 47 25 / 74 71

Außenstation Braunschweig
Bauernstr. 14
D-38162 Cremlingen (Weddel)
Tel. 0 53 06 / 47 38
Fax 0 53 06 / 54 86

Bearbeitet von: Prof. Dr. F. Bairlein
E-mail: franz.bairlein@ifv.terrarium.de

Ihr Zeichen und Tag

Unser Zeichen

Datum

22. März 2000

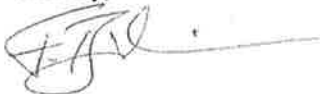
TO WHOM IT MAY CONERN

Dr. Fernando Spina served as member of the *European Science Foundation* Network on Bird Migration between 1994 and 1996. He is also member of the Steering Committee of the recently launched *European Science Foundation* Scientific Programme on Optimality in Bird Migration. As chairman of both committees I very much appreciate and I acknowledge Dr. Spina's collaboration.

Dr. Spina played and still plays a leading role in evaluating the concepts, the goals and the objectives of both initiatives. Dr. Spina is among the leading scientists in the field of bird migration in Europe.

The *Progetto Piccole Isole* initiated and organised by Dr. Spina plays a central role in the recent European wide collaboration in the study of bird migration. This is not because of its geographic location. It is due to its outstanding scientific value which is Dr. Spina's merit. He also played a leading role in launching the EURING Swallow Project which is developing into a global project owing to Dr. Spina's effort and excellent skills. Self-standing is his election as president of the European Union for Bird Ringing EURING, and as Chairman of the Scientific Program Committee for the next International Ornithological Congress to be held in Beijing in the year 2002.

Sincerely,



Prof. Dr. Franz Bairlein
Director
Chairman ESF Scientific Programme on Optimality in Bird Migration



Convention on the Conservation of Migratory Species of Wild Animals



16 May 2018

Dear Fernando,

I am writing to you today to express my heartfelt thanks for the support you gave to the CMS Workshop on the Conservation Implications of Animal Culture and Social Complexity which we had the pleasure to hold in Parma from 12-14 April 2018.

You, like no other, had a crucial role in enabling CMS to organize this workshop – from securing the sponsorship of the National Park and the Fondazione Monteparma, to guiding and supporting the preparations of both logistics and content. Not least, the well-planned excursion and the beautiful performance of your choir made this workshop not only successful, but also memorable to all participants.

As you know, all aspects of the workshop received extremely positive feedback from the participants. Everyone felt welcome and very comfortable in Parma and of course the beautiful surroundings and excellent food went a long way in achieving a positive working atmosphere.

We expected the workshop to be ground-breaking, and indeed it was. Preliminary results are summarized in the Statement agreed by participants, which you can also find online as part of the [news article](#) my team prepared with your involvement following the workshop.

As you know, the full report is under preparation and will be issued shortly. We are planning to make it available as an information document at the upcoming 3rd Meeting of the Sessional Committee of the CMS Scientific Council, where in addition, we will be reporting orally on the workshop. Based on the key factors for identifying priority species and populations developed by the workshop participants, the Culture Expert Group will then, in a next step, identify for which CMS-listed species culture and social structure need to be taken into consideration for effective conservation, and recommend how to do so in practice.

The results of this process will be presented to the 4th Meeting of the Sessional Committee of the CMS Scientific Council in late 2019 and recommendations will be drafted for consideration at the 13th Meeting of the Conference of the Parties of CMS in 2020 in India. I know and am grateful to be able to count on your continued support for these next steps.

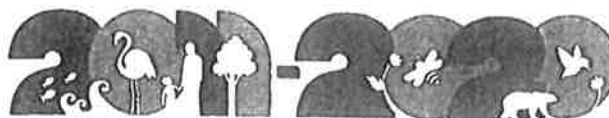
Thank you again, also on behalf of my staff, Tine and Heidi, who were in Parma for all your help and support, not only for this workshop, but also for CMS' entire work stream in this emerging field of science!

Yours sincerely,

A handwritten signature in black ink, appearing to read "BC", written over a light blue horizontal line.

Bradnee Chambers
Executive Secretary

ALL. 27



United Nations Decade on Biodiversity

Terms of Reference for a Chairperson on mission for the Secretariat of the Convention on Biological Diversity

Dr. Fernando Spina
Italian Institute for Environmental Protection and Research (ISPRA)
Rome, Italy

Background

Dr. Fernando Spina (hereafter "the resource person") has been selected by the Secretariat of the Convention on Biological Diversity (CBD) to serve as a Chairperson at the Regional Bio-Bridge Initiative Round Table for Western Europe and Others Group (WEOG) to be held on 21 September 2018 in Brussels, Belgium.

Tasks

The resource person will moderate discussions at the WEOG Round Table and share experiences and lessons learned from relevant initiatives.

Deliverables

The resource person will contribute the following:

- Provision of introductory remarks to open the meeting
- Moderation of discussions
- Provision of substantive input to the round table discussions
- Summarize next steps and action items during closing remarks

Remuneration

The resource person will receive no fee. The CBD Secretariat will pay for travel [Bologna /Brussels/Bologna] on most economical and direct route and Daily Subsistence Allowance for three (3) days/two (2) nights.

I agree with the assignment and with the conditions outlined above.

Name: Dr. Fernando Spina

Date: 9.8.2018

Signature:

Please return by e-mail to the CBD Secretariat: claire.parois@cbd.int

For Internal use only

Source of Funding: Bio-Bridge Initiative

Index #:

.....
Gudrun Fosse - Chief, Financial Resources Management Service



Secretariat of the Convention on Biological Diversity
United Nations Environment Programme
413 Saint-Jacques Street, Suite 800, Montreal, QC H2Y 1A8, Canada
Tel: +1 514 298 2220 Fax: +1 514 298 6565
secretariat@cbd.int www.cbd.int

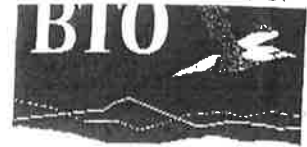


26-NOV-2009 12:32

P.04/07

From the Director
Dr. Andy Clements

Istituto Nazionale Fauna Selvatica
Prot. N.0004836 14/08/2008



Our Ref: AC/vtp/3080



12 August 2008

YB9

British Trust for Ornithology
The Nunnery
Thetford
Norfolk IP24 2PU
T +44(0)1842 750050
F +44(0)1842 750030

Dr Fernando Spina
Istituto Nazionale per la Fauna Selvatica
Via Ca' Fornacetta 9
I-40064 Ozzano Emilia (BO)
Italy

ALL. 29

Dear Fernando

At our annual conference, the BTO invites a keynote speaker to deliver the "Witherby Lecture". On behalf of the BTO Council, I am writing to ask whether you would be prepared to be the Witherby Lecturer in December 2009, when the conference will be celebrating 100 years of ringing in Britain & Ireland.

A list of previous lecturers is enclosed, from which you can see that we have had a wide range of subjects over the years. For this particular conference, we would like you to talk about some aspect of ringing and its results and value. As you know we have a mixed audience at the conference of mainly volunteer (but knowledgeable, intelligent and committed) and professional ornithologists. For this conference, many will be bird ringers, and there will also be a wide range of other BTO supporters present.

We pay reasonable expenses and provide accommodation at the conference. If you can manage to get a fairly cheap flight, we'd be grateful; but don't feel that you are expected to be mean to yourself! The weekend of the conference is 4-6 December and the talk would take place on the morning of Saturday 5 December. As you know, the conference is held at Swanwick in Derbyshire. It is possible to get fairly close to there by rail but we can probably arrange a lift for you from London or most other places. If you wished to do so, we'd also be delighted to welcome you to Thetford either before or after the weekend.

I hope that you will be able to speak at our Ringing Centenary Conference in 2009 and look forward to hearing from you.

With best wishes

Yours sincerely

Andy Clements
BTO Director

cc Jacqui Clark and Graham Appleton (Conference organizers)



PROT ISPRA 37456 DEL 7/6/18

Convention on the Conservation of Migratory Species of Wild Animals
Agreement on the Conservation of African-Eurasian Migratory Waterbirds

Secretariats provided by the United Nations Environment Programme

To:

Mr. Fernando Spina
CMS Scientific Council,
c/o ISPRA - Istituto Superiore per la Protezione e la Ricerca Ambientale
Via Cà Fornacetta, 9
40064 Ozzano Emilia (BO)

ITALY

ALL.31

Date: 6 June 2018

Subject: Thank You for Your Statement of Support for World Migratory Bird Day 2018

Dear Mr Spina,

We would like to sincerely thank you on behalf both the UNEP/CMS and UNEP/AEWA Secretariats for your statement in support of World Migratory Bird Day this year. Thank you also for your support in spreading the word about the campaign through your networks, websites and social media. Without your help we would not have been able to achieve this exciting new level of success.

This year's World Migratory Bird Day on 12 May clearly benefited from the new partnership with the Americas and from the global flyways focus. With the theme "Unifying our Voices for Bird Conservation", thousands of people came together at more than 400 events in 80 countries - from bird watching to large eco-tours, local art exhibitions to international birding conferences - to celebrate migratory birds and the need for their conservation.

We look forward to celebrating World Migratory Bird Day again on 13 October this year, and we hope to be able to continue working together to promote our shared conservation messages.

Yours Sincerely and Thank You Again,

Bradnee Chambers
Executive Secretary
UNEP/CMS Secretariat

Jacques Trouvilliez
Executive Secretary
UNEP/AEWA Secretariat



UNEP/CMS and UNEP/AEWA Secretariats
UN Campus • Platz der Vereinten Nationen 1 • 53113 Bonn • Germany
CMS: Tel.: (+49) 228 815 2401 • Fax: (+49) 228 815 2449 • cms.secretariat@cms.int • www.cms.int
AEWA: Tel.: (+49) 228 815 2413 • Fax: (+49) 228 815 2450 • aewa.secretariat@unep-aewa.org • www.unep-aewa.org

ANNEX 3

**NOMINATION OF DR URS BREITENMOSER FOR THE ROLE OF
COP-APPOINTED COUNCILLOR – TERRESTRIAL MAMMALS**

(submitted by the Government of Switzerland)



Schweizerische Eidgenossenschaft
Confédération suisse
Confederazione Svizzera
Confederaziun svizra

Federal Department of the Environment, Transport,
Energy and Communications DETEC

Federal Office for the Environment FOEN
Species, Ecosystems, Landscapes Division

3003 Bern
FOEN; HES

POST CH AG

by email to the Secretariat of the Convention on the
Conservation of Migratory Species of Wild Animals:

cms.secretariat@cms.int

File reference: BAFU-061.6-02.3-04-04-379
Ittigen, 9 January 2020

Nomination of a CMS COP-appointed Councillor for "Terrestrial Mammals" by Switzerland

Dear Sirs,

Switzerland would like to nominate a Councillor for "Terrestrial Mammals" for the period COP13-COP15, as recommended by the Sessional Committee of the Scientific Council, on the basis of document UNEP/CMS/SCC-SC4/Doc.3.1 and CMS Notification 2019/022 for the COP:

Dr. Urs Breitenmoser

We are confident that Urs Breitenmoser could make an important contribution to the work of the Scientific Council and its Sessional Committee. In our opinion, he meets all criteria according to the indicative terms of reference for a thematic Councillor appointed by the COP (see CMS Notification 2019/022): He is an internationally recognized and renowned expert on terrestrial mammals, specialized in felidae species with extensive experience around the world. Since 2001 he is co-chair of the IUCN Specialist Group on Cats. At the Swiss, but also at the European level, he has been working intensively for decades on other large carnivores such as the wolf and bear (monitoring, human/livelihood conflicts, wildlife management and conservation). In addition, he works as a senior scientist and teacher at the Centre for Fish and Wildlife Health, Vetsuisse Faculty at the University of Bern as an epidemiologist and carnivore ecologist affiliated to the Swiss Rabies Centre.

For CMS, Urs Breitenmoser has been very active for many years in various initiatives and projects related to terrestrial mammals. He has not only worked as a scientific advisor for various governments on proposals for the inclusion of cat species such as cheetahs, leopards and other endangered species in

Federal Office for the Environment FOEN
Sabine Herzog
3003 Bern
Location: Worbentalstrasse 68, 3063 Ittigen
Tel. +41 58 46 303 40, Fax +41 58 46 475 79
Sabine.Herzog@bafu.admin.ch
<https://www.bafu.admin.ch>



the Appendices of the Convention. He is also currently very active in the joint CMS/CITES African Carnivore Initiative and also in the Central Asian Mammals Initiative (CAMI). As a committed international networker, he succeeded - as an example - together with his wife, Christine Breitenmoser-Würsten, who is also a renowned cat specialist, in bringing top experts for Lion, Tiger, Asiatic Cheetah, Leopard, Snow leopard and Jaguar to Bern in Switzerland for World Wildlife Day 2018. Please see the cat special issue: <http://www.catsq.org/index.php?id=707>

At the national level: Federal Office for the Environment (FOEN) is working very successfully with Urs Breitenmoser and his team on the theme of the management of Switzerland's large predators (especially wolf, lynx, bear and jackal). He is also working on cross-cutting themes such as interaction between carnivores and ungulates, for example the influence of the lynx on the chamois in Switzerland.

In addition to his scientific knowledge, he also has profound management, fundraising and administrative skills: together with his wife Christine Breitenmoser-Würsten, he has been working as the leader of the KORA (Carnivore Ecology and Wildlife Management) program and is the director Foundation KORA established 2017 by cantonal authorities responsible for the wildlife management in Switzerland. Finally, as an international researcher, he speaks and writes English and French fluently while German is his mother tongue.

We would be very pleased if Dr. Breitenmoser could gain the confidence and support of the parties at the upcoming CMS COP in India. Please do not hesitate to contact us for further information.

Best regards,

Federal Office for the Environment



Reinhard Schnidrig
Head of section / CMS Focal Point



Sabine Herzog
Senior Policy Advisor / CMS Scientific Councillor

Enclosure:

- CV of Urs Breitenmoser
- CMS Councillor Declaration of interest by Urs Breitenmoser

Copy to:

- Marco Barbieri, by email to: marco.barbieri@un.org
- Vittoria Semplici, by email to: vittoria.semplici@un.org
- Clara Nobbe, by email to: clara.nobbe@un.org
- Urs Breitenmoser, by email to: urs.breitenmoser@vetsuisse.unibe.ch



Bundesamt für Umwelt BAFU
Dr. Reinhard Schnidrig
Abteilung Arten, Ökosysteme, Landschaften
CH-3003 Bern

Muri/Bern, 18 December 2019

Declaration of interest

Dear Dr. Schnidrig,

I'm honoured to be proposed by Switzerland as a CoP-appointed Councillor for Terrestrial Mammals to the Convention on Migratory Species CMS. I herewith confirm that I'm willing to accept such nomination in case I would be elected at the Conference of Parties 13 in February 2020. I thank you for the confidence!

Yours, sincerely

Dr. Urs Breitenmoser

CURRICULUM VITAE URS BREITENMOSER

Personal data

Name: Urs Max Breitenmoser

Birth/nationality: June 23, 1955, Switzerland

Matrrial status: Married to Christine Franziska Würsten since 1986

Children: Kaspar Linus, 15.08.1996, and Moritz Samuel, 20.02.1998

Work address: Centre for Fish and Wildlife Health, Vetsuisse Faculty,
University of Bern, Länggassstr. 122, CH-3012 Bern, Switzerland
eMail URS.BREITENMOSER@VETSUISSE.UNIBE.CH

KORA, Thunstrasse 31, CH-3074 Muri b. Bern, Switzerland
Phone +41 31 951 70 40
eMail U.BREITENMOSER@KORA.CH

Foundation KORA, Thunstr. 31, CH-3074 Muri, Switzerland
Phone ++41 31 951 70 40, Fax ++41 31 951 90 40, Mobile ++41 79 410 14 39

Home address: Villettengässli 4, CH-3074 Muri, Switzerland



Education

1976 - 1982: University of Bern, Institute of Zoology; first grade (1976-77) in biology and second grade (1977-82) in zoology, botany, and geology.

1979: Academic semester at the University of Geneva, Institute of Biology.

1982: Lic. phil. nat, University of Bern, Switzerland. Diploma thesis: "Die Wiedereinbürgerung des Luchses (*Lynx lynx*) in der Schweiz - Die Aussetzungen und die bisherige Ausbreitung im Alpenraum (The Re-introduction of the Lynx in Switzerland - The Releases and the Recent Distribution in the Swiss Alps). Thesis Univ. Bern, 86 p.

1986: Dr. phil. nat, University of Bern, Switzerland. Doctoral thesis: "Aspekte der Raumorganisation und der Ernährung des Luchses (*Lynx lynx*) in den Schweizer Alpen (Aspects of the Spatial Organization and Feeding Habits of the Lynx in the Swiss Alps). Thesis Univ. Bern, 62 p.

Training:

Postgraduate training

1982 - 1986: Graduate student at the Institute of Zoology, University of Bern, Switzerland, with Prof. W. Huber. Research assistant in a ecological field project "Untersuchung zur Raumorganisation und Nahrungsökologie des wiederangesiedelten Luchses in den Schweizer Alpen mittels Radiotelemetrie" (Study on the Spatial Organization and the Feeding Ecology of the Reintroduced Lynx in the Swiss Alps by Means of Radio Telemetry), together with Dr. Heinrich Haller. The project was funded by the Federal Office of Forestry, the Swiss League for Protection of Nature, the WWF Switzerland and the Wildlife Services of several Swiss cantons.

Post-doctoral training and positions

July 1986 - Dezember 1989: Assistant research scientist in an ecological field project on lynx ("Radio-telemetrische Untersuchungen zur Raumorganisation und Dynamik der in der Schweiz sich ausbreitenden Luchspopulation"). Funded by the Swiss National Science Foundation (Grant-Nr 3100-008330), Advisor: Dr. D. Burckhardt.

January 1990 - March 1990: Consultant to the Council of Europe, Strasbourg, on the status, the conservation needs and re-introduction of the lynx in Europe.

April 1990 - March 1992: Post-doctoral fellow at the Dept. of Ecology, University of British Columbia, Vancouver, Canada, with Prof. A. R. E. Sinclair and Prof. C. J. Krebs. Field research at the Arctic Institute of North America (Kluane Lake Research Base, Yukon Territory) on the ecology of the Canada lynx (*Lynx canadensis*) as part of the long-term collaborative Kluane Boreal Forest Ecosystem Project.

April 1992 - November 1992: Research assistant at the Institute of Zoology, University of Bern.

December 1992 - present: Epidemiologist at the Swiss Rabies Centre, Institute of Veterinary Virology, University of Bern, Switzerland. Director Prof. E. Peterhans, responsible for rabies eradication strategy and programme in Switzerland.

Since 1996: "Oberassistent" at the Institute of Veterinary Virology, University of Bern, Switzerland. Director Prof. E. Peterhans.

Since 1996: Head of KORA (Co-ordinated Research Project for the Conservation and Management in Switzerland), an applied research group cooperating with several Swiss universities and sponsored mainly by federal funds, but also private foundations.

Since 2001: Co-chair of the IUCN/SSC Cat Specialist Group together with Christine Breitenmoser-Würsten.

Since 2017: Director of the Foundation KORA – Carnivore Ecology and Wildlife Management

Fellowships, courses and awards:

April 1990 - September 1991: Post-doctoral fellowship Swiss National Science Foundation.

October 1991 - March 1992: Post-doctoral fellowship granted Janggen-Pöhn-Foundation, Switzerland.

April 1992 - November 1992: Post-doctoral fellowship Roch Research Foundation, Basel, Switzerland.

February 1998: Course in didactics at the Veterinary Faculty, University of Bern.

April – July 1999: Visiting scientist at Grimsö Research Station, University of Uppsala, Sweden.

June 2006: WWF Award for Conservation Merit

October 2008: SSC Chair's Citation of Excellence Award

December 2011: Rabinowitz-Kaplan Prize for Excellence in Cat Conservation, Panthera, together with Christine Breitenmoser-Würsten.

January 2014: Senior scientist at the Centre for Fish and Wildlife Health, University of Bern

July 2017: Director of the Foundation KORA – Carnivore Ecology and Wildlife Management

Present Position and Activities:

Position: Senior Scientist at the University of Bern; Director of Foundation KORA; Co-chair IUCN SSC Cat Specialist Group. My position comprises today three major duties:

Epidemiologist and carnivore ecologist affiliated with the Swiss Rabies Centre: rabies surveillance, teaching in epidemiology;

Director of the in-state Foundation KORA – Carnivore Ecology and Wildlife Management: Carnivore ecology research, supervision of research projects and theses, training & teaching, management (project planning and fund raising, conceptual work), leading the team, administration and management of the Foundation.

Co-chair of the IUCN/SC Cat Specialist Group: Continuous assessment of felid species conservation status, conservation planning, initiation of conservation projects, conceptual work in nature conser-

vation, education and training, networking, administrative tasks and fund-raising.

Key experience

I started my professional career with research on the reintroduced lynx population in Switzerland and then broadened my fields of work to other carnivore species and to conservation and wildlife management. 1992, after two post-doctoral years at the University of British Columbia, Canada, I took the position of an epidemiologist at the Swiss Rabies Centre (Institute of Veterinary Virology, University of Bern) and was responsible for the surveillance and control of wildlife rabies in. The programme led to the eradication of terrestrial rabies in Switzerland by 2000. I participated in the EU project "The oral vaccination of foxes against rabies" (FAIR-CT97-3515) and the respective EU Expert Group developing rabies control strategies from 1997 to 2002.

In the position of the leader of the KORA programme (since 1995) and director of the Foundation KORA – Carnivore Ecology and Wildlife Management (since 2017), and the IUCN/SSC Cat Specialist Group Co-chair (since 2001), I have gained experience in carnivore research and conservation in Switzerland and the Alps, but also across Europe, and globally:

Europe: Monitoring and facilitation of the renaissance of the large carnivores in the cultivated landscapes of Europe. I was involved in research and conservation work of Eurasian lynx in Switzerland, the Alps, south-western Balkans (Albania, Macedonia, Kosovo and Montenegro) and in the Carpathians (Slovakia) and have advised many lynx research or reintroduction projects across Europe and in Asia. Since 2002, I have been involved in the recovery project of the Iberian lynx, then the only *Critically Endangered* cat species.

Asia: Participation in an emergency programme to save the Siberian tiger and the Amur leopard in the Russian Far East, China and North Korea (e.g. leading to the designation of new protected areas in the Changbaishan region in NE China). Involvement the programme for the recovery and reintroduction of the Critically Endangered leopard in the Caucasus eco-region (Iran, Turkey, Azerbaijan, Armenia, Georgia and Russia), facilitation of a regional Conservation Strategy (2007 and 2017) and National Action Plans.

Middle East: As co-chair of the IUCN SSC Cat Specialist Group, I'm involved in the programmes for the recovery of the Asiatic cheetah in Iran and the Arabian leopard (both Critically Endangered).

Africa: At CITES CoP 13 in 2004, the lion range states agreed that a series of regional lion conservation workshops should be held. In 2006, three Regional Conservation Strategies for the lion in Africa were facilitated by the IUCN SSC Cat Specialist Group, which led to the development of several national action plans. In 2018/19, based on a mandate from CITES and CMS in the frame of their joint African Carnivore Initiative, we developed the *Guidelines for the Conservation of the Lion in Africa* and the *Roadmap for the Conservation of the Leopard in Africa* (both in English and French).

South America: Together with colleagues from throughout South America we did an assessment of the status of the 10 Neotropical cats in a workshop in Brazil. In 2019, we developed together with experts from all range countries, the *Strategy for the Conservation of the Jaguar in South America* (in print).

Together with my wife and Cat SG co-chair Christine, I'm the editor of Cat News, a bi-annual journal for cat conservation. We produce a series of Special Issues (<http://www.catsg.org/index.php?id=17>) to foster cat research and conservation world-wide, as for instance. To support capacity building, we launched a Cat Conservation Course in 2010, where we invite young conservation scientists to a training to Switzerland. Our research and monitoring projects in the Swiss Alps and the Jura Mountains provide an excellent opportunity for training young colleagues from abroad.

Memberships:

- Schweizerische Gesellschaft für Wildtierforschung (Swiss Society for Wildlife Research)
- IUCN/SSC Cat Specialist Group (member since 1996, co-chair since 2001)
- IUCN/SSC Re-introduction Specialist Group (since 1998)
- IUCN/SSC Specialist Group Large Carnivore Initiative for Europe (since 1995)

- IUCN/SSC Bear Specialist Group (since 2012)
- IUCN/SSC Species Conservation Planning Sub-Committee (2007–2016)
- Panthera's Advisory Council (since 2009)

Reference list

Books:

- Breitenmoser U, Breitenmoser-Würsten Ch. 2008. Der Luchs – Ein Grossraubtier in der Kulturlandschaft. Salm Verlag, Bern. 538 pp.
- Vargas A, Breitenmoser Ch, Breitenmoser U. (editors). 2009. Iberian lynx ex situ conservation: An interdisciplinary approach. Fundacion Biodiversidad, Madrid, 533 pp.

Peer reviewed papers (incl. peer reviewed book chapters):

- Abdukadir A, Breitenmoser U. 2007. The last tigers of Xinjiang Cat News (47): 26-27
- Avgan B, Zimmermann F, Güntert M, Arkan F, Breitenmoser U. 2014. The first density estimation of an isolated Eurasian lynx population in southwest Asia. Wildlife Biology (20): 217-221
- Avgan B, Ismayilov A, Fatullayev P, Huseynali T T, Askerov E, Breitenmoser U. 2012. First hard evidence of leopard in Nakhchivan. Cat News (57): 33-33
- Boutros D, Breitenmoser-Würsten Ch, Zimmermann F, Ryser A, Molinari-Jobin A, Capt S, Güntert M, Breitenmoser U. 2007. Characterisation and suitability of Eurasian lynx (*Lynx lynx*) den sites. Wildlife Biology 13, 417-429.
- Breitenmoser U. 2018. Der Luchs und seine Beute in den Alpen. In: Haller R, Rapp M, Hammerle A (Hrsg.): Am Puls der Natur. Der Nationalpark und sein Direktor in Spannungsfeld zwischen Forschung, Management und Politik. Nat.park-Forsch. Schweiz 108. Haupt Verlag, Bern, 36-57.
- Breitenmoser U, Breitenmoser-Würsten Ch, Boitani L. 2012. Assessing conservation status and units for conservation. Pages 362-378 in: L. Boitani and R.A. Powell (eds.) Carnivore ecology and conservation. A handbook of techniques. Techniques in Ecology and Conservation Series, Oxford University Press, Oxford.
- Breitenmoser U, Shavgulidze I, Askerov E, Khorozyan I, Farhadinia M, Can E, Bilgin C, Zazanashvili N. 2010. Leopard conservation in the Caucasus. Cat News (53): 39-40
- Breitenmoser U, Tilson R, Nyhus P. 2006. Reintroduction of the Chinese Tiger. Cat News (44): 15-15
- Breitenmoser U. 1998. Large predators in the Alps: The fall and rise of man's competitors. Biological Conservation 83, 279-289.
- Breitenmoser U, Haller H. 1993. Patterns of predation by reintroduced European lynx in the Swiss Alps. J. Wildl. Manage. 57, 144-154.
- Breitenmoser U, Kaczensky P, Dötterer M, Breitenmoser-Würsten Ch, Capt S, Bernhart F, Liberek M. 1993. Spatial organization and recruitment of lynx (*Lynx lynx*) in a re-introduced population in the Swiss Jura Mountains. J. Zool, London 231, 449-464.
- Breitenmoser U, Ryser A, Molinari-Jobin A, Zimmermann F, Haller H, Molinari P, Breitenmoser-Würsten Ch. 2010. Eurasian lynx - Changing predation impact as a source of conflict with reintroduced lynx in Switzerland. Pages 493-506 in: Biology and Conservation of Wild Felids. Macdonald D, Loveridge A. (Eds). Oxford University Press, Oxford.
- Breitenmoser U, Slough B.G, Breitenmoser-Würsten Ch. 1993. Predators of cyclic prey: is the Canada lynx victim of profiteer of the snowshoe hare cycle? Oikos 66, 551-554.
- Breitenmoser U, Angst C, Landry J.-M, Breitenmoser-Würsten Ch, Linnell J. D. C, Weber J.-M. 2005. Non-lethal techniques for reducing depredation. In *People and Wildlife, Conflict or Coexistence?* Woodroffe R, Thirgood S, Rabinowitz A. (eds). Cambridge University Press, Cambridge. Pp. 49-71.
- Breitenmoser U, Breitenmoser-Würsten C, Capt S, Molinari-Jobin A, Molinari P, Zimmermann F. 2007. Conservation of the lynx *Lynx lynx* in the Swiss Jura Mountains. Wildlife Biology 13, 340-355.
- Breitenmoser U, Breitenmoser-Würsten Ch, Carbyn L. N, Funk S. M. 2001. Assessment of carnivore reintroductions. In *Carnivore conservation*. Gittleman J. L, Funk S. M, Macdonald D. W, Wayne R. K. (eds.). Cam-

- bridge University Press, Cambridge. Pp. 241-281.
- Breitenmoser-Wuersten C, Robin K, Landry J M, Gloor S, Olsson P, **Breitenmoser U**. 2001. Die Geschichte von Fuchs, Luchs, Bartgeier, Wolf und Braunbär in der Schweiz - ein kurzer Überblick. For.Snow Landsc.Res. (76): 9-21
- Breitenmoser-Wuersten C, **Breitenmoser U**, Mallon, D. 2007. Strategic planning for leopard conservation in the Caucasus. Cat News (47): 35-35
- Breitenmoser-Würsten C, Vandel J-M, Zimmermann F, **Breitenmoser U**. 2007. Demography of lynx *Lynx lynx* in the Jura Mountains. Wildlife Biology 13, 381-392.
- Breitenmoser-Würsten C, Zimmermann F, Stahl P, Vandel J-M, Molinari-Jobin A, Molinari P, Capt S, **Breitenmoser U**. 2007. Spatial and social stability of a Eurasian lynx *Lynx lynx* population: an assessment of 10 years of observation in the Jura Mountains. Wildlife Biology 13, 365-380.
- Bugnon P, **Breitenmoser U**, Peterhans E, Zanoni R. 2004. Efficacy of oral vaccination in the final stage of fox rabies elimination in Switzerland. J. Vet. Med. B. 51, 433-437.
- Chapron G, Kaczensky P, Linnell J D C, von Arx M, Huber D, Andren H, Lopez-Bao J V, Adamec M, Alvares F, Anders O, Balciauskas L, Balys V, Bedo P, Bego F, Blanco J C, **Breitenmoser U**, Broseth H, Bufka L, Bunikyte R, Ciucci P, Dutsov A, Engleder A, Fuxjaeger C, Groff C, Holmala K, Hoxha B, Iliopoulos Y, Ionescu O, Jermic J, Jerina K, Kluth G, Knauer F, Kojola I, Kos I, Krofel M, Kubala J, Kunovac S, Kusak J, Kuta, M, Liberg O, Majic A, Maennil P, Manz R, Marboutin E, Marucco F, Melovski D, Mersini K, Mertzanis Y, Myslajek R W, Nowak S, Odden J, Ozolins J, Palomero G, Paunovic M, Persson J, Potocnik H, Quenette P-Y, Rauer G, Reinhardt I, Rigg R, Ryse, A, Salvatori V, Skrbinek T, Stojanov A, Tsingarska-Sedefcheva E, Vana M, Veeraja R, Wabakken P, Woelf, M, Woelfl S, Zimmermann F, Zlatanova D, Boitani L. 2014. Recovery of large carnivores in Europe's modern human-dominated landscapes. Science (346): 1517-1519
- Dolf G, Schläpfer J, Gaillard C, Randi E, Luchini V, **Breitenmoser U**, Stahlberger-Saitbekova. N. 2000. Differentiation of the Italian wolf and the domestic dog based on microsatellite analysis. Genet. Sel. Evol. 32, 533-541.
- Doswald N, Zimmermann F, **Breitenmoser, U**. 2007. Testing expert groups for a habitat suitability model for the lynx *Lynx lynx* in the Swiss Alps. Wildlife Biology 13, 430-446.
- Gloor S, Bontadina F, Hegglin D, Deplazes P, **Breitenmoser U** (2001): The rise of urban fox populations in Switzerland. Mammalian Biology 66, 155-164.
- Hegglin D, Bontadina F, Gloor S, Romer J, Müller U, **Breitenmoser U**, Deplazes P. 2004. Baiting red fox in an urban area: a camera trap study. J. Wildl. Manage. 68, 1010-1017.
- Hunter L T B, White P, Henschel P, Frank L, Burton C, Loveridge A, Balme G, Breitenmoser C & **Breitenmoser U**. 2012. Walking with lions: why there is no role for captive-origin lions *Panthera leo* in species restoration. Oryx 47(1), 19-24.
- Jobin A, Moinari P, **Breitenmoser U**. 2000. Prey spectrum, prey preference and consumption rates of Eurasian lynx in the Swiss Jura Mountains. Acta Theriologica 45, 243-252.
- Kramer-Schadt S, Revilla E, Wiegand T, **Breitenmoser U**. 2004. Fragmented landscapes, road mortality and patch connectivity: modelling influences on the dispersal of Eurasian lynx. Journal of Applied Ecology 41, 711-723.
- Kubala J, Smalko P, Zimmermann F, Rigg R, Tím B, Il'ko T, Foresti D, Breitenmoser-Würsten C, Kropil R & **Breitenmoser U**. 2017. Robust monitoring of the Eurasian Lynx *Lynx lynx* in the Slovak Carpathians reveals lower numbers than officially reported. Oryx doi: <https://doi.org/10.1017/S003060531700076X>
- Lescureux N, Linnell JDC, Mustafa S, Melovski D, Stojanov A, Ivanov G, Avukatov V, von Arx M, **Breitenmoser U**. 2011. Fear of the unknown: local knowledge and perceptions of the Eurasian lynx *Lynx lynx* in western Macedonia. Oryx, 45 , pp 600-607 doi:10.1017/S0030605310001547
- Linnell J D C, Birkeland Nilsen E, Stobet Lande U, Herfindal I, Odden J, Skogen K, Andersen R, **Breitenmoser U**. 2005. Zoning as a means of mitigating conflicts with large carnivores: principles and reality. In *People and Wildlife, Conflict or Coexistence?* Woodroffe, R, Thirgood, S, Rabinowitz, A. (eds). Cambridge University Press, Cambridge. Pp. 162-175.
- Linnell J D C, **Breitenmoser U**, Breitenmoser-Würsten Ch, Odden J, von Arx M. 2009. Recovery of Eurasian lynx in Europe: What part has reintroduction played? In *Reintroduction of Top-Order Predator*. Hayward M. W, Somers M. J. (Eds). Blackwell Publishing. Pp. 72-91.
- Linnell J D C, Promberger C, Boitani L, Swenson J. E, **Breitenmoser U**, Andersen R. 2005. The Linkage between

- conservation strategies for large carnivores and biodiversity: the view from the "half-full" forests of Europe. In *Large Carnivores and the Conservation of Biodiversity*. Ray J. C., Redford K. H., Steneck R. S., and Berger J. (Eds). Washington: Island Press. Pp. 381-398.
- Melovski D, von Arx M, Avukatov V, Breitenmoser-Würsten Ch, Durovic M, Elezi R, Gimenez O, Hoxha B, Hristovski S, Ivanov G, Karamanlidis A A, Lanz T, Mersini K, Perovic A, Ramadani A, Sanaja B, Sanaja P, Schwaderer G, Spangenberg A, Stojanov A, Trajçe A & **Breitenmoser U**. 2018. Using questionnaire surveys and occupancy modelling to identify conservation priorities for the Critically Endangered Balkan lynx *Lynx lynx balcanicus*. *Oryx*, 1-10.
- Molinari-Jobin A, Kéry M, Marboutin E, Marucco F, Zimmermann F, Molinari P, Frick H, Fuxjäger C, Wölfel S, Bled F, Breitenmoser-Würsten C, Kos I, Wölfel M, Černe R, Müller O & **Breitenmoser U**. 2017. Mapping range dynamics from opportunistic data: spatiotemporal modelling of the lynx distribution in the Alps over 21 years. *Animal Conservation*. doi: 10.1111/acv.12369
- Molinari-Jobin A, Kéry M, Marboutin E, Molinari P, Koren I, Fuxjäger C, Breitenmoser-Würsten C, Wölfel S, Fasel M, Kos I, Wölfel M, **Breitenmoser U**. 2012. Monitoring in the presence of species misidentification: the case of the Eurasian lynx in the Alps. *Animal Conservation* 15: 266-273.
- Molinari-Jobin A, Woelfl S, Marboutin E, Molinari P, Woelfl M, Kos I, Fasel M, Koren I, Fuxjaeger C, Breitenmoser C, Huber T, Blazic M, **Breitenmoser U**. 2012. Monitoring the Lynx in the Alps. *Hystrix* (23): 49-53
- Molinari-Jobin A, Marboutin E, Wölfel S, Wölfel M, Molinari P, Fasel M, Kos I, Blažič M, Breitenmoser Ch, Fuxjäger Ch, Huber H, Koren I, **Breitenmoser U**. 2010. Recovery of the Alpine lynx *Lynx lynx* metapopulation. *Oryx* 44(2): 267-275.
- Molinari-Jobin A, Molinari P, Breitenmoser-Wuersten Ch, **Breitenmoser U**. 2002. Significance of lynx *Lynx lynx* predation for roe deer *Capreolus capreolus* and chamois *Rupicapra rupicapra* mortality in the Swiss Jura Mountains. *Wildlife Biology* 8: 109-115.
- Molinari-Jobin A, Molinari P, Loison A, Gaillard J.M, **Breitenmoser U**. 2004. Life cycle period and activity of prey influence their susceptibility to predators. *Ecography* 27, 323-329.
- Molinari-Jobin A, Kéry M, Marboutin E, Molinari P, Koren I, Fuxjäger C, Breitenmoser-Würsten Ch, Wölfel S, Fasel M, Kos I, Wölfel M, **Breitenmoser U**. 2011. Monitoring in the presence of species misidentification: the case of the Eurasian lynx in the Alps. *Animal Conservation*, 15: 266–273.
- Molinari-Jobin A, Zimmermann F, Ryser A, Molinari P, Haller H, Breitenmoser-Würsten C, Capt S, Eyholzer R, **Breitenmoser U**. 2007. Variation in diet, prey selectivity and home-range size of Eurasian lynx *Lynx lynx* in Switzerland. *Wildlife Biology* 13, 393-405.
- Moqanaki E M, **Breitenmoser U**, Kiabi B H, Masoud M, Bensch S. 2013. Persian leopards in the Iranian Caucasus: a sinking "source" population? *Cat News* (59): 22-25
- O'Donoghue M, Boutin S, Murray D.S, Krebs C.J, Hofer E.J, **Breitenmoser U**, Breitenmoser-Würsten Ch, Zuleta G, Doyle K, Nams V.O. 2001. Coyotes and lynx. In *Ecosystem dynamics of the boreal forest. The Kluane Project*. Krebs, C. J, Boutin, S. und Boonstra R. (Eds). Oxford University Press, Oxford. Pp. 275-323.
- Ryser A, Scholl M, Zwahlen M, Oetliker M, Ryser-Degiorgis M.P, **Breitenmoser U**. 2005. A remote-controlled teleinjection system for the low-stress capture of large mammals. *Wildl. soc. bull.* 33, 721-730.
- Schadt S, Revilla E, Wiegand T, Knauer F, Kaczensky P, **Breitenmoser U**, Bufka L, Cervený J, Koubek P, Huber T, Stanisa C, Trepl L. 2002. Assessing the suitability of central European landscape for the reintroduction of Eurasian lynx. *Journal of Applied Ecology* 39, 189-203.
- Schmidt-Posthaus H, Breitenmoser-Würsten Ch, Posthaus H, Bacciarini L.N, **Breitenmoser U**. 2002. Causes of mortality in reintroduced Eurasian lynx in Switzerland. *J. Wildl. Dis.* 38, 84-92.
- Thulke H.H, Selhorst T, Müller T, Wyszomirski T, Müller U, **Breitenmoser U**. 2004. Assessing anti-rabies baiting – what happens on the ground? *BMC Infectious Diseases*, 4, 9. (www.biomedcentral.com/1471-2334/4/9).
- Vogt K, Vimercati E, Ryser A, Hofer E, Signer S, Signer C & **Breitenmoser U**. 2018. Suitability of GPS telemetry for studying the predation of Eurasian lynx on small- and medium-sized prey animals in the Northwestern Swiss Alps. *European Journal of Wildlife Research* 64 (73), 1225-1227.
- Vogt K, Boos S, **Breitenmoser U** & Kölliker M. 2016. Chemical composition of Eurasian lynx urine conveys information on reproductive state, individual identity, and urine age. *Chemoecology* 26, 205-217.
- Vogt K, Hofer E, Ryser A, Kölliker M & **Breitenmoser U**. 2016. Is there a trade-off between scent marking and hunting behaviour in a stalking predator, the Eurasian lynx, *Lynx lynx*? *Animal Behaviour* 117, 59-68.

- Vogt K, Zimmermann F, Kölliker M & **Breitenmoser U.** 2014. Scent-marking behaviour and social dynamics in a wild population of Eurasian lynx *Lynx lynx*. *Behavioural Processes* 106: 98-106.
- von Arx M, Breitenmoser-Würsten C, Zimmermann F, Kunz F, Vogt K, Ryser A, Struch M & **Breitenmoser U.** 2017. Der Luchs im Jura: unter besonderer Berücksichtigung des Solothurner Juras. *Naturforschende Gesellschaft des Kantons Solothurn. Mitteilungen* 2017, Heft 43, 177-234.
- Von Arx M, Breitenmoser Ch, **Breitenmoser U.** 2009. Lessons from the reintroduction of the Eurasian lynx in Central and Western Europe. Pages 402–409 in: Vargas A, Breitenmoser Ch, **Breitenmoser U.** (ed.): *Iberian lynx ex situ conservation: An interdisciplinary approach*. Fundacion Biodiversidad, Madrid.
- Walston J, Robinson J G, Bennett E L, **Breitenmoser U,** da Fonseca G A B, Goodrich J, Gumal M, Hunter L, Johnson A, Karanth K U, Leader-Williams N, MacKinnon K, Miquelle D, Pattanavibool A, Poole C, Rab-inowitz A, Smith J L D, Stokes E J, Stuart S N, Vongkhamheng C, Wibisono H. 2010. Bringing the Tiger Back from the Brink-The Six Percent Solution. *PLoS Biology* 8:9, e1000485.
- Wandeler P, Funk S M, Largiadèr C R, Gloor S, **Breitenmoser U.** 2003. The City-fox phenomenon: genetic consequences of a recent colonization of urban habitat. *Molecular Ecology* 12, 647-656.
- Zimmermann F, Breitenmoser-Würsten Ch, Molinari-Jobin A & **Breitenmoser U.** 2013. Optimizing the size of the area surveyed for monitoring a Eurasian lynx (*Lynx lynx*) population in the Swiss Alps by means of photographic capture-recapture. *Integrative Zoology* 8, 232-243.
- Zimmermann F, **Breitenmoser U.** 2002. A distribution model for the Eurasian lynx (*Lynx lynx*) in the Jura mountains, Switzerland. In *Predicting Species Occurrences: Issues of Accuracy and Scale*. Scott J. M, Heglund P.J, Samson F.B, Haufler J, Morrison M.L, Raphael M.G, Wall B.(Eds). Island Press, Covelo, California. Pp. 653-660.
- Zimmermann F, **Breitenmoser U.** 2007. Potential distribution and population size of the Eurasian lynx (*Lynx lynx*) in the Jura Mountains and possible corridors to adjacent ranges. *Wildlife Biology*, 13, 406-416.
- Zimmermann F, Breitenmoser-Würsten Ch, **Breitenmoser U.** 2005. Natal dispersal of Eurasian lynx (*Lynx lynx*) in Switzerland. *J. Zool., Lond.* 267, 381-395.
- Zimmermann F, Breitenmoser-Würsten Ch, **Breitenmoser U.** 2007. Importance of dispersal for the expansion of an Eurasian lynx (*Lynx lynx*) population in a fragmented landscape. *Oryx* 31, 358-368.
- Zimmermann F, Molinari-Jobin A, Ryser A, Breitenmoser-Würsten Ch, **Breitenmoser U.** 2011. Status and distribution of the lynx in the Swiss Alps 2005–2009. *Acta Biologica Slovenica* 54 (2): 73-80.

ANNEX 4

**NOMINATION OF DR MARK SIMMONDS FOR THE ROLE OF
COP-APPOINTED COUNCILLOR – MARINE POLLUTION**

(submitted by the Government of the Principality of Monaco)

Monaco, le 16 JAN. 2020

Madame Amy FRAENKEL
Secrétaire Exécutif *Ad Interim*
UNEP / CMS Secretariat
United Nations Premises
Platz der Vereinten Nationen 1
53113 Bonn, Germany

CVK/ N°2020-000214

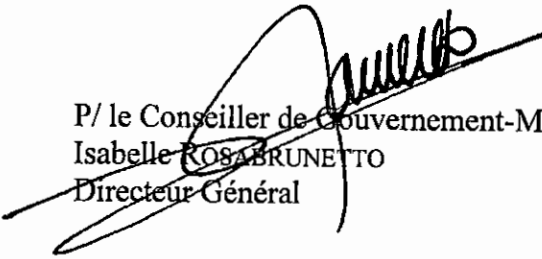
Objet : *Soumission d'une candidature au poste de Conseiller nommé par la COP pour la pollution Marine aux fins d'examen par la 13^{ème} Conférence des Parties (COP13) – (Gandhanagar, Inde, 15-22 février 2020).*

Madame le Secrétaire Exécutif,

Conformément à la notification référencée 2019/022 en date du 6 décembre 2019, le Gouvernement de la Principauté de Monaco souhaite soumettre la candidature de Monsieur Mark Peter SIMMONDS au poste de Conseiller nommé par la COP pour le domaine de la pollution marine.

A cet effet, je vous prie de bien vouloir trouver, ci-joint, une déclaration justifiant cette candidature, un curriculum vitae de M. SIMMONDS, ainsi qu'une déclaration par laquelle il déclare être prêt à accepter la nomination s'il est sélectionné.

Je vous prie de recevoir, Madame le Secrétaire Exécutif, l'expression de ma considération distinguée.



P/ le Conseiller de Gouvernement-Ministre
Isabelle ROSABRUNETTO
Directeur Général

P.J. : 3

Monaco, le 15 janvier 2020

Objet : Déclaration justifiant la candidature de M. Mark Peter Simmonds OBE au poste de Conseillé nommé par la Conférence des Parties pour le domaine de la Pollution marine.

Monaco souhaite proposer la nomination de M. Mark Peter Simmonds OBE au poste de conseiller nommé par la Conférence des Parties pour le domaine de la Pollution marine, car il apparaît comme un candidat idéal au vue de son expérience dans ce domaine.

En effet, Mark Peter SIMMONDS OBE est un biologiste marin et un scientifique de l'environnement qui a passé la majeure partie de sa carrière à travailler sur les menaces qui pèsent sur la faune marine. Il a travaillé dans les secteurs des ONG et des universités et a produit des articles scientifiques couvrant un éventail remarquable de problématique, comme le montre son Curriculum Vitae.

Les problématiques sur lesquelles il a travaillé et publié comprennent la pollution organique persistante, la pollution sonore, les débris marins et le changement climatique. Il a également étudié les effets combinés de ces facteurs dans notre monde marin en rapide évolution. Ses travaux publiés portent également sur un éventail de biotes marins, notamment les cétacés, les pinnipèdes, les tortues et les oiseaux.

En outre, Mark a une longue expérience dans la présidence et l'organisation de réunions, ce qui est un atout important pour un Conseiller nommé par la CdP. A titre d'exemple, il a récemment convoqué et présidé le troisième atelier sur les débris marins tenu sous les auspices de la Commission baleinière internationale (CBI) et a dirigé avec succès un certain nombre d'autres ateliers pour la CBI. Il préside également la *Marine Animal Rescue Coalition* du Royaume-Uni et le Groupe de travail sur les cétacés du *Wildlife and Countryside Link*.

Les contributions de Mark ont été reconnues en 2013 lors de l'anniversaire de SAR la Reine Elizabeth, lorsqu'il a été nommé Officier de l'Ordre de l'Empire britannique pour son travail dans le domaine des sciences de l'environnement et de la conservation des mammifères marins.

Enfin, il est important de noter que Mark a également de nombreuses années d'expérience de travail dans le cadre de la CMS et de certains de ses accords affiliés, étant un contributeur actif et respecté à la plupart des réunions du Conseil scientifique de la CMS et de sa Conférence des Parties au cours des deux dernières décennies. Il a une très bonne connaissance des rouages de la Convention et le rôle des conseillers nommés par la CdP.

Eu égard à ce qui précède, Monaco considère que Mark Peter SIMMONDS OBE est un candidat sérieux et tout indiqué pour ce nouveau rôle pour lequel nous sommes heureux de présenter sa candidature.

Cordialement,



Céline Impagliazzo
Point focal national de Monaco

Mark Peter Simmonds
Visiting Research Fellow,
School of Veterinary Sciences,
Langford House, Langford, BRISTOL BS40 5DU, UK
and
Senior Marine Scientist
Humane Society International
c/o HSI-UK, 5 Underwood Street,
LONDON N1 7LY, UK

Email: mark.simmonds@sciencegyre.co.uk and msimmonds@hsi.org

phone UK +44 (0) 7809643000

20th December 2019

To whom it may concern,

I am delighted and honoured to learn that I am being considered for the role of CoP-appointed Councillor for Marine Pollution and I confirm that I would be pleased to serve in this capacity if chosen.

I would do my very best to contribute as an independent expert to the work of CMS in this new topic area.

Please don't hesitate to let me know if any further information is required.

With kind regards,



Mark P. Simmonds OBE

Mark Peter Simmonds OBE

Marine Biologist and Environmental Scientist

Career summary: research focuses – threats to marine wildlife including chemical pollution, noise pollution, climate change and incidental and deliberate takes. Peer-reviewed publications include keystone papers on marine noise, studies on contaminant levels in marine mammal tissues and, recently, consideration of cumulative impacts.

Convener and/or chair of a number of international scientific workshops concerning threats to marine wildlife.

A quarter of a century of experience of contributing to CMS, CITES and IWC processes.

Visiting Research Fellow, University of Bristol, School of Veterinary Sciences

Chartered Biologist, Royal Society of Biology

Member, Royal Society of Biology and Institution of Environmental Sciences

Member, Scientific Committee of the International Whaling Commission

Chair, UK's Marine Animal Rescue Coalition

Visiting Lecturer, Marine Mammal MSc, University of St Andrews

Senior Marine Scientist, Humane Society International

Author/co-author and editor/co-editor of six books and some 200 scientific papers and articles

Made Officer of the Order of the British Empire (OBE) in 2013 in recognition of contributions to environmental sciences and marine mammal conservation.

Career History		
Academic and other roles and Appointments	Details	Dates
<p>Visiting Research Fellow, University of Bristol (from 2015), Project Supervisor and External tutor for MSc students (Global Wildlife Health and Conservation), University of Bristol, School of Veterinary Science (from 2017); Visiting Lecturer for MSc Students St. Andrews University, Scotland (from 2016) Chair – UK's Marine Animal Rescue Coalition (1994-date) Council Member – European Cetacean Society (2015-2018).</p>	<p>Focuses during this period have included:</p> <ul style="list-style-type: none"> • Matters related to the Convention for the conservation of Migratory Species and its daughter agreements (ASCOBANS and ACCOBAMS), including managing review of Red Sea marine mammal statuses and issues, facilitating CMS 'animal cultures; workshop and assisting other work streams, including related to 'in-water interactions'; • Assisting in the development of the IWC's work on indirect threats, including marine debris and other pollution and bycatch (including helping to instigate the IWC's bycatch and strandings initiatives); 	2012-date

<p>Acting IWC Bycatch Mitigation Coordinator (2016-2018)</p> <p>Senior Marine Scientist, Humane Society International</p>	<ul style="list-style-type: none"> • Promulgation of best practice in marine mammal rescue; • Development of conservation and welfare policy; and • Monitoring and responding to commercial whaling and other threats to marine mammals. 	
<p>External lecturer Animal Behaviour and Welfare Degree, University of Bristol Veterinary School (2007-date) and to MSc Marine Mammal Science, University College of Wales (2002-6): delivering core unit on threats to marine mammals, policy responses and politics).</p> <p>International Director of Science, Whale and Dolphin Conservation Society (WDCS)</p>	<p>Focuses in this period:</p> <ul style="list-style-type: none"> - marine conservation policy development with particular regard to climate change, chemical and noise pollution, marine debris, fisheries interactions and other indirect threats to cetacean populations, and investigations into related fields of science; - development of conservation policy within the auspices of IWC, CITES and CMS conventions and also CMS daughter regional agreements; - oversight of field studies into cetacean biology in the Moray Firth, Scotland, and Cardigan Bay, Wales; - co-ordinating the work of WDCS and other NGOs with other governmental and non-governmental agencies and government bodies; - research leading to publication of a series of scientific papers and reports on threats to cetaceans (please see list appended below). - contributions to the establishment of two new aquatic mammal CMS Memoranda of Understanding (i.e. Pacific Cetaceans and West African Aquatic Mammals); - contributions to increasing the protection of the Black Sea Bottlenose Dolphin and West African Manatee by helping to achieve their listings on the appendices of CITES (respectively 2000 and 2007); and also - work on sperm, fin and killer whale and other cetaceans to achieve enhanced protection under CMS in 2002 and Ganges river dolphin and others in 2009. 	1999-2012
<p>Visiting Research Fellow, University of Greenwich 1993-2000</p> <p>Head of Special Projects, WDCS</p>	<p>Project management - investigations into the effects of chemical contaminants on cetaceans and their consumers, mass mortality events, the results of exposure to marine noise pollution and field studies and development of conservation policy in the UK.</p>	1993-1999
<p>Reader in Wildlife Conservation, University of Greenwich</p>	<p>Building research in the sphere of marine animal conservation including supervising postgraduate projects in seal and cetacean conservation, bottlenose dolphins in Cornwall, marine debris and marine protected areas.</p>	1993
<p>Senior Lecturer in Environmental Sciences, University of Greenwich</p>	<p>Teaching expertise – including marine ecology and conservation, EU law and process, urban wildlife, conservation delivery and philosophy. Environmental Sciences degree rated excellent by QAA.</p>	1991-1993

	Contributed to the drafting of the ASCOBANS and ACCOBAMS agreements and their successful adoption.	
Coordinator Greenpeace Ecotoxicology Project and Research Associate at Queen Mary & Westfield College (QMWC), University of London	Scientific adviser on threats to marine species including epizootics and pollution; strengthening the interface between Greenpeace's 'toxics' and 'marine ecology' programmes. Contributed to the establishment of two new international treaties i.e. ASCOBANS and ACCOBAMS (European cetacean conservation agreements concluded via CMS)	1988-1991
Project Manager/Research Consultant at Centre for Research in Aquatic Biology (CRAB) at QMWC, University of London	Contractual research – including work on marine anti-fouling coatings ; research for the Nature Conservancy Council ; and Environmental Impact Assessments for the Canary Wharf development in London and potential expansion of Fawley Power Station in Hampshire.	1984-1988
Postgraduate Research Student and Demonstrator, Westfield College, University of London	Research – aquatic vertebrate speciation, physiology, introduced species, herpetology . Demonstrating – including marine vertebrate & invertebrate taxonomy. Field research in Africa.	1982-1984
Undergraduate Student BSc (Hons), Zoology, University of Bristol	Honours project: fine dissection of the vestibular apparatus of the harbour porpoise, <i>Phocoena phocoena</i>	1980

Other roles and achievements

- **Convener** of seven International Whaling Commission (IWC) workshops:
 - Shortly to convene and **Chair** third marine debris workshop (2019)
 - Convener and **Chair** of second IWC marine debris workshop (2014).
 - Convener and **Chair** of first IWC workshop on marine debris (2013): ‘Marine Renewables and also **Chair** (2012).
 - ‘Climate Change and Small Cetaceans’ and also **Co-Chair** of this workshop (2010)
 - ‘Climate Change and Whales’ (2009); and
 - ‘Habitat Degradation’ (2004);
- Facilitator CMS Workshop on Animal Culture, 2018
- **Acting Bycatch Mitigation Coordinator for the International Whaling Commission: 2016-January 2018**
- **Member of the Scientific Committee of the International Whaling Commission: 1994-date**
- **Member of UK Delegation to IWC: Scientific Committee: 2002-date; Commission 2002-7, 2009, 2010, 2012, 2014 and 2016. Member of Belgian Delegation to IWC 2018**
- **Chair, Whale Working Group of Wildlife and Countryside Link (UK Umbrella Group for NGOs; elected for second term) 2010- 2012; Vice Chair 2012-2017, Chair 2018-date**

- **Advisor to the Worldwide Fund for Nature International (WWF)** (cetacean programme) – 2016-date
- **Advisor to the BBC Wildlife Fund** – helping to select projects for funding – 2010-2011
- **Member of the Institution of Environmental Science** – 1992 –date
- **Joint Coordinator of the Emergency Task Force** UNEP Marine Mammal Action Plan 1991-1994
- **Joint Convener** of the First and Second meetings of the Scientific Advisory Committee of UNEP's Marine Mammal Action Plan (1991, 1993)
- **Trustee, Earthkind** (Environmental Charity) 1994
- **Member Scientific Advisory Committee** of MEDDASSETT (The Mediterranean Association to Save the Sea Turtle) 1994-1996
- **Chartered Biologist and Member of the Royal Society of Biology** 1988 – date.
- **Churchill Fellow** – awarded Winston Churchill Travelling Fellowship 1983
- **Scientific Fellow** - Zoological Society of London 1983- date
- **Trustee** – Bardsey Bird and Field Observatory 2017-date

Other memberships

The Society of Authors and Artists, Royal Society for the Prevention of Cruelty to Animals, Royal Society for the Protection of Birds, National Trust, Mammal Society, Avon Wildlife Trust and others.

Editing and refereeing

Including *Nature*, *Journal of Marine Biological Association*, *Journal of Environmental Management*, *Oryx*, etc.

Selection of publications

Author or joint author of over 200 publications, including almost 40 contributions to peer-reviewed journals and six books (editor or author highlighted in blue below).

For more details of scientific publications please see Researchgate entries here:

https://www.researchgate.net/profile/Mark_Simmonds

2019

Philippa Brakes and 18 others including M. P Simmonds. Animal cultures matter for conservation. *Science*. 363. eaaw3557. 10.1126/science.aaw3557.

Cristina Panti, and 8 others, including M. P. Simmonds. Marine litter: One of the major threats for marine mammals. Outcomes from the European Cetacean Society workshop. *Environmental Pollution*. 10.1016/j.envpol.2019.01.029.

Nunny, Laetitia & Simmonds, Mark. A Global Reassessment of Solitary-Sociable Dolphins. *Frontiers in Veterinary Science*. 5. 10.3389/fvets.2018.00331.

2018

Laetitia Nunny, Mark P. Simmonds, Andrew Butterworth, A review of seal killing practice in Europe: Implications for animal welfare, *Marine Policy*,98: 121-132, <https://doi.org/10.1016/j.marpol.2018.08.013>.

Simmonds, M.P. 2018. The Welfare Effects of PCBs in the Ocean. Chapter 3. In Butterworth, A. (Editor). *Animal Welfare in a Changing World*. CABI International. pp24-34

2017

Simmonds, M.P. 2017. Of poisons and plastics. An overview of the latest pollution issues affecting marine mammals. In Butterworth, A. (Editor). *Marine Mammal Welfare – Human Induced Change in the Marine Environment and its Impacts on Marine Mammal Welfare*. Springer International Publishing AG. DOI: 10.1007/978-3-319-46994-2 10.1007 pp27-37

Simmonds, M.P. 2017. Evaluating the Welfare Implications of Climate Change for Cetaceans. In Butterworth, A. (Editor). *Marine Mammal Welfare – Human Induced Change in the Marine Environment and its Impacts on Marine Mammal Welfare*. Springer International Publishing AG. DOI: 10.1007/978-3-319-46994-2 10.1007 pp125-135

Butterworth, A. and Simmonds, M.P. (Editors). 2017. People-Marine Mammal Interactions. *Frontiers in Marine Science*. E-book available here: <https://www.frontiersin.org/research-topics/4089/people---marine-mammal-interactions>

2016

M.P. Simmonds 2016. Impacts and effects of ocean warming on marine mammals. In: Laffoley, D., & Baxter, J.M. (editors). *Explaining ocean warming: Causes, scale, effects and consequences*. Gland, Switzerland: IUCN. pp. 303-320

Nunny, L., Langford, F. and M.P Simmonds. 2016. Does the Seal Licensing System in Scotland Have a Negative Impact on Seal Welfare? *Frontiers in Marine Science* 3: 142 DOI: 10.3389/fmars.2016.00142.

A.J. Wright, M.P. Simmonds and B. Galleti. 2016. The International Whaling Commission – Beyond Whaling. *Frontiers in Marine Science* 3: DOI: 10.3389/fmars.2016.00158

M.P.Simmonds, T. Wimmer, M. Cosentino, R. Leaper, A. Leslie, D. Mattila, G. Minton, S. Panigada, L. Rojas-Bracho, F. Ritter, E. Slooten and R. Wulff. 2016. Proposal for an IWC Bycatch Initiative. Paper IWC/66/CC05 submitted to the Conservation Committee of the International Whaling Commission.

2015

M.P. Simmonds and R.L. Robotham. 2015 The Grey Seals of Bardsey. *British Wildlife*. October 2015: 2-9

M.P. Simmonds and S. Baulch. 2015. An update on research into marine debris and cetaceans. Paper submitted to the Scientific Committee of the International Whaling Commission.

M.P. Simmonds and J. Toole. 2015. Some thoughts on the consideration of marine debris in the context of the International Whaling Commission. Paper submitted to the Scientific Committee of the International Whaling Commission.

2014

M P Simmonds. 2014. Landmark ruling on whaling from the International Court of Justice. *Antarctic Science* 26(4): 329.

M P Simmonds, S J Dolman, M Jasny, E C M Parsons, L Weilgart, A J Wright, and R Leaper. 2014 Marine noise pollution – increasing recognition but need for more practical action. *Journal of Ocean Technology* 04/2014; 9(1):71-90.

M N DeBoer, M.P. Simmonds, P.J.H. Reijnders and G. Aarts 2014. The influence of topographical and dynamic cyclic variables in the distribution of small cetaceans in a shallow coastal system. *Plos ONE* 9(1): e86331.

M P Simmonds, M Green, V James and S Einfeld. 2014. Assessing the Cardigan Bay bottlenose dolphin SACs. *ECOS* 34(3/4): 46-55.

2013

M N DeBoer, J. Clark, M.F. Lepold, M.P. Simmonds and P.J.H. Reijnders 2013 Photo-Identification Methods Reveal Seasonal and Long-Term Site-Fidelity of Risso's Dolphins (*Grampus griseus*) in Shallow Waters (Cardigan Bay, Wales) *Open Journal of Marine Science* 01/2013; 3:65

M P Simmonds. 2013 Addressing the threat posed by marine debris to wildlife in the deep oceans. in Proceedings of the Untangled symposium. 4-6 December 2012.

M. P. Simmonds 2013. Whale shaping: from Goldsmith to the Space Age. In A.C.Roque and A.J. Wright [eds] From Nature to Science: Scientific Illustration on marine mammals throughout the centuries – old challenges and new perspectives. ECS Special Publication Series 56: 23-29

2012

M P Simmonds and S Fisher 2012 Whaling: Don't trade the moratorium away. *Nature* 482: 308

M P Simmonds 2012 Cetaceans and Marine Debris: the great unknown. *Journal of Marine Biology* 2012, Article ID 684279, 8 pages doi:10.1155/2012/684279

M.P. Simmonds, D. Gambaiani and G. Notarbartolo di Sciara. 2012. Climate change effects on Mediterranean Cetaceans: Time for action. In: 'Life in the Mediterranean Sea: a look at Climate Change.' Ed: N. Stambler. Nova Science Publishers, Inc. pp 685-701.

M.P. Simmonds and L. Molleson. 2012. 'Guide to the UK's Cetaceans and Seals'. Field Studies Council (iD Chart): 8 pages.

M. N. de Boer, J. T. Saulino, M. F. Leopold, P. J. H. Reijnders and M. P. Simmonds 2012. Interactions between short-beaked common dolphin (*Delphinus delphis*) and the winter pelagic pair-trawl fishery off Southwest England (UK) *International Journal of Biodiversity and Conservation* Vol. 4(13): 481-499.

E.C.M. Parsons with A. Bauer, D. McCafferty, M.P. Simmonds and A.J. Wright. 2012. Introduction to Marine Mammal Biology and Conservation. Jones and Bartlett.

2011

M.P. Simmonds. 2011. Whales and Dolphins – Solitary Dolphin Welfare. In: '*Encyclopedia of Animal Rights and Welfare*' (second edition). Ed: M. Bekoff. Greenwood Press; PP: 601-603

P. Brakes and M.P. Simmonds (Book: Editors) 2011. *Whales and Dolphins. Cognition, Culture, Conservation and Human Perceptions*. Earthscan, London & Washington DC.

M.P. Simmonds. 2011. The British and the Whales in: P. Brakes and M.P. Simmonds [eds], 2011. *Whales and Dolphins: Cognition, Culture, Conservation and Human Perceptions*. Earthscan. London and Washington DC.

M.P. Simmonds and P. Brakes. 2011. Whales and dolphins on a rapidly changing planet. In: P. Brakes and M.P. Simmonds [eds], 2011. *Whales and Dolphins: Cognition, Culture, Conservation and Human Perceptions*. Earthscan. London and Washington DC

P. Brakes and M.P. Simmonds. 2011. Thinking whales and dolphins. In: P. Brakes and M.P. Simmonds [eds], 2011. *Whales and Dolphins: Cognition, Culture, Conservation and Human Perceptions*. Earthscan. London and Washington DC.

2010

M.P. Simmonds and V. Brown, 2010. Is there a conflict between cetacean conservation and marine renewable-energy developments? *Wildlife Research*, 2010, 37, 688–694

K.P. Robinson, S.M. Eisfeld, M. Costa. and M.P. Simmonds 2010. Short-beaked common dolphin (*Delphinus delphis*) occurrence in the Moray Firth, north-east Scotland. *Marine Biodiversity Records*, doi:10.1017/S1755267210000448; Vol. 3; e55; 2010 Published online

M.P. Simmonds and S. Fisher 2010. Oh no, not again! [Whaling] *New Scientist* 10 March: 22-23

S. E. Alter, M.P. Simmonds. and J.R. Brandon. 2010. Forecasting the consequences of climate-driven shifts in human behaviour on cetaceans. *Marine Policy*. 34 (5). doi: 10.1016/j. marpool.2010.01.02

M.P. Simmonds and S.J. Eisfeld. 2010 Climate Change and European Cetaceans. *Whale watcher: Journal of the American Cetacean Society* 39, Number 2: 22-24

Eisfeld, S.M., Simmonds, M.P. & Stansfield, L.R. 2010. Behaviour of a solitary female bottlenose dolphin (*Tursiops truncatus*) off the coast of Kent, Southeast England. *Journal of Applied Animal Welfare Science* 13: 31-45

E.C.M. Parsons, J. Clark, J. Wharam and M.P. Simmonds 2010 The Conservation of British Cetaceans: A Review of the Threats and Protection Afforded to Whales, Dolphins, and Porpoises in UK Waters, Part 1 *Journal of International Wildlife Law & Policy* 13:1–62, 201

Parsons, E. C. M. , J. Clark and M.P. Simmonds 2010 The Conservation of British Cetaceans: A Review of the Threats and Protection Afforded to Whales, Dolphins, and Porpoises in UK Waters, Part 2, *Journal of International Wildlife Law & Policy* 13: 2, 99 — 175

Dolman, S. J., Pimm, E., Reid, R. J., Barley, J. P., Deaville, R., Jepson, P. D., O'Connell, M., Berrow, S., Penrose, R. S., Stevick, P. T., Calderan, S., Robinsons, K. P., Brownell, Jr. R. L. and Simmonds, M. P. 2010. A preliminary note on the unprecedented strandings of 45 deep-diving odontocetes on UK and Irish coasts between January and April 2008. *Marine Biodiversity Records*, Vol. 3.

K.P. Robinson, S.M. Eisfeld, M. Costa. and M.P. Simmonds 2010. Short-beaked common dolphin (*Delphinus delphis*) occurrence in the Moray Firth, north-east Scotland. *Marine Biodiversity Records* doi:10.1017/S1755267210000448; Vol. 3; e55; 2010

2009

D.D. Gambaiani, P. Mayol, S.J. Isaac and M.P. Simmonds 2009. Potential Impacts of Climate Change and Greenhouse Gas Emissions on Mediterranean Marine Ecosystems and Cetaceans. *Journal of the Marine Biological Association of the United Kingdom*. 89(1): 179 – 201

Parsons, E. C. M., Dolman, S. J., Wright, A. J., Rose, N. A. and Simmonds, M. P. 2009. A critique of the UK's JNCC Seismic Survey Guidelines for minimising acoustic disturbance to marine mammals: best practice? *Marine Pollution Bulletin*. 58: 643-651

M.P. Simmonds & W.J. Elliot 2009. Climate change and cetaceans: concerns and recent developments. *Journal of the Marine Biological Association of the United Kingdom*. 89(1): 203-210

Parsons, E. C. M., Dolman, S. J., Wright, A. J., Rose, N. A. and Simmonds, M. P. 2009. A critique of the UK's JNCC Seismic Survey Guidelines for minimising acoustic disturbance to marine mammals: best practice? *Marine Pollution Bulletin*. 58: 643-651

M.P. Simmonds & W.J. Elliot 2009. Whales and Dolphins: Solitary Dolphin Welfare. In *Encyclopaedia of Animal Rights and Animal Welfare, Second Edition, Vol. 2: I – Z*. Ed. M. Bekoff, 601 – 603. Oxford, England. Greenwood Press. Climate change and cetaceans: concerns and recent developments. *Journal of the Marine Biological Association of the United Kingdom*. 89(1): 203-210

2008

Dolman, S. J., Jopling, B. C. and Simmonds, M. P. 2008. The worldwide extent of seismic exploration, 1994-2004. *Bioacoustics*, 17, 245-248.

S.J. Dolman, R.J. Reid, J.P. Barley, R. Deaville, P.D. Jepson, M. O'Connell, S. Berrow, R.S. Penrose, E. Pinn, P.T. Stevick, S. Calderan, K.P. Robinson, T.K. Doyle, R.L. Brownell, Jr. and M.P. Simmonds. 2008. A Preliminary Note on the Unprecedented Strandings of 45 Deep-diving Odontocetes along the UK and Irish Coast Between January and April 2008. *SC/60/E5* Submitted to the Scientific Committee of the International Whaling Commission

M.N. De Boer, R. Leaper, S. Keith and M.P. Simmonds 2008. Winter Abundance Estimates for the Common Dolphin (*Delphinus delphis*) in the Western Approaches of the English Channel and the Effect of Responsive Movement. *Journal of Marine Mammals and Their Movement*. 1(1): 15 - 21

M. Green and M.P. Simmonds 2008. Riding the Waves – Lessons from Campaigning on Oil and Gas. *ECOS*. 29(3/4): 72 – 79

2007

Clark, J; Simmonds, M. & V. Williams-Grey 2007. Close encounters: whale watching in the UK. *Biologist* 54(3); 134-141

M.P. Simmonds 2007. Book Review: Whales, Whaling and Ecosystems. *Aquatic Mammals*. 33(3): 390 – 391

M.P. Simmonds 2007. Book Review: A Guide to the Identification of the Whales and Dolphins of Ireland. *Aquatic Mammals*. 33(2): 248 – 249

M.P. Simmonds and L. Stansfield 2007. Solitary-sociable dolphins in the UK. *British Wildlife* 19(2): 96-101

M.P. Simmonds 2007 *Whales and Dolphins of the World*. (Book) MIT Press Cambridge, Massachusetts

J. Clark, M.P. Simmonds and V. Williams-Grey. 2007 Close encounters: whale watching in the UK. *Biologist* 54(3): 134-141.

2006

K. Macleod, M.P. Simmonds and E. Murray. 2006. Abundance of fin (*Balaenoptera physalus*) and sei whales (*B. borealis*) amid oil exploration and development off northwest Scotland. *J. Cetacean Res. Manage*. 8(3): 247-254

M.P. Simmonds 2006. Into the brains of whales. *Applied Animal Behaviour Science* 100: 103-106

E.C.M. Parsons, N.A. Rose, C. Bass & M.P. Simmonds 2006. It's not just poor science – Japan's "scientific" whaling may be a human health risk too. *Marine Pollution Bulletin* 52: 1118 – 1120

M. P. Simmonds and S. Isaac 2006. Climate Change and Marine Apex Predators: Some Warning Signals. In *Migratory Species and Climate Change: Impacts of a Changing Environment on Wild Animals*, UNEP/CMS Secretariat, Bonn, Germany.

Pre-2006

T. Endo, K. Haraguchi, T. Endo, F. Cipriano, M.P. Simmonds, Y. Hotta and M. Sakata 2004. Contamination by mercury and cadmium in the cetacean products from Japanese market. *Chemosphere* 54: 1653 - 1662

M.P. Simmonds 2004. Book Review: The Whaling Season. An Inside Account of the Struggle to Stop Commercial Whaling (by Kieran Mulvaney). *Environmental Conservation* 31(3): 263 – 264

J. Gordon, D., Gillespie, J. Potter, A. Frantzis, M.P. Simmonds, R. Swift. D. Thompson 2003. A Review of the Effects of Seismic Surveys on Marine Mammals. *Marine Technology Society Journal* 37(4): 16 - 34

- K. Macleod, M.P. Simmonds and E. Muray 2003. Summer distribution and relative abundance of cetacean populations off north-west Scotland. *Journal of the Marine Biology Association U.K* 83: 1187 – 119
- P.J.H. Reijnders and M.P. Simmonds 2003. Global temporal trends of organochlorines and heavy metals in pinnipeds. In *Toxicology of Marine Mammals (491 – 506)*. Ed. J.G. Vos, G.D. Bossart, M. Fournier and T.J. O'Shea. Taylor and Francis, London.
- M. Green and M.P. Simmonds 2003. Cardigan Bay and its conservation importance. *Natur Cymru* 7: 36 – 40
- M.P. Simmonds 2003. Assessment of stranded cetaceans. *Veterinary Record* 147(12): 340
- M.P. Simmonds, P.A. Johnstone and G.M. Troisi 2002. A note concerning 'Novel Pollutants' and cetaceans. *Journal of Cetacean Research and Management* 4 (*Report of the Scientific Committee, Annex J*): 311 - 312
- M.P. Simmonds 2002. Book Review: Toward a Sustainable Whaling Regime (Ed. R.L. Friedheim). *Environmental Conservation* 29(3): 402 – 403
- M. P. Simmonds, K. Haraguchi, T. Endo, F. Cipriano, S. R. Palumbi & G. M. Troisi 2002. Human health significance of organochlorine and mercury contaminants in Japanese whale meat. *Journal of Toxicology & Environmental Health, Part A: Current Issues* 65 (17): 1211-1235
- C. Williamson and M.P. Simmonds. 2002. Review: Cetacean Societies – field studies of dolphins and whales (Ed. J. Mann, R.C. Conner, P.L. Tyack and H. Whitehead). *Aquarium Sciences and Conservation* 3: 341 – 342
- De Boer M.N., Morgan-Jenks M, Taylor M, Simmonds 2001. The small cetaceans of Cardigan. Bay, UK. *British Wildlife* 4, 246 – 254.
- A. Ross, H. McLachlan and M.P. Simmonds 2001. The Fishing Industry and Cetacean Bycatch – Time For Action. *Coastal Futures: Coastal Management for Sustainability – Review and Future trends* 8: 101 – 106
- De Boer MN, Simmonds MP 2002 Observations of harbour porpoise (*Phocoena phocoena*) in the waters of Bardsey Island, Wales. In Abstracts, 16th Annual Conference of the European Cetacean Society, Liege, Belgium 7–11 April 2002, European Cetacean Society, pp. 12–13.
- M.P. Simmonds 1997. The meaning of cetacean strandings. *Biologie* 67-SUPPL.: 29 - 34
- M. P. Simmonds and S. J. Mayer 1997. An evaluation of environmental and other factors in some recent marine mammal mortalities in Europe: implications for conservation and management *Environ. Rev.* 5(2): 89–98
- J.D. Hutchinson & M.P. Simmonds 1994. Organochlorine contamination in pinnipeds. *Reviews of environmental Contamination and Toxicology* 136, 123-167, Springer,
- M.P. Simmonds & J.D. Hutchinson (Book: Editors) 1996. *The Conservation of Whales and Dolphins: Science and Practice (Book)* J. Wiley and Sons, Chichester (UK).**
- M.P. Simmonds, P.A. Johnston & M.C. French 1993. Organochlorine and mercury contamination in United Kingdom seals *The Veterinary Record*, 12, 291-295

Cunningham, A.A. & M.P. Simmonds. 1992. Unusual mass mortality of juvenile kittiwakes (*Rissa tridactyla*). *Veterinary Record* May 16: 448-449

M.P. Simmonds & L.F. Lopez-Jurado 1991. Whales and the military. *Nature* 351, 448

M.P. Simmonds 1985. The case against tributyltin. *Oryx* 20: 217-220.

--**oo000oo**--

ANNEX 5

**NOMINATION OF DR HOLLY JONES FOR THE ROLE OF
COP-APPOINTED COUNCILLOR - INVASIVE SPECIES**

(submitted by the Government of New Zealand)

Marco Barbieri

From: Graeme Taylor <gtaylor@doc.govt.nz>
Sent: Monday, 17 February 2020 19:00
To: Marco Barbieri; Melanie Virtue
Cc: Alexandra Macdonald; Narelle Montgomery
Subject: Nomination of COP-appointed Councillor for Invasive Species - Professor Holly Jones

Dear Marco

At the 4th Sessional Committee meeting of the CMS Science Council, new COP-appointed councillor positions were recommended in a paper presented at the meeting to further advance the work of the Convention. One of the specialist areas recommended for the next triennium was an expert to lead a programme of work dealing with the impacts of invasive species (animals, plants and diseases) on a wide range of migratory species, especially on oceanic islands but increasingly on continental areas as new unwanted organisms spread their range globally. New Zealand was recognised as an island nation where invasive species have had a devastating impact on biodiversity, but also where innovative solutions have been found to control pests and restore species and ecosystems. We were asked to look for suitable experts to assist the Convention on this topic.

As New Zealand's Science Councillor for CMS, I am very pleased to formally nominate Professor Holly Jones from Northern Illinois University (USA) for the position of COP-appointed Science Councillor specialising in invasive species. Holly has had a long and outstanding career spanning two decades where she has led studies on the impacts of invasive species on the ecology of island communities. Her papers published in prestigious science journals have collated the impacts of invasive species and reviewed the programmes of work being done internationally to avert the biodiversity crisis caused by invasive species. Invasive species and organisms have already caused numerous extinctions for migratory and non-migratory birds, reptiles and invertebrates, especially on island ecosystems. Her understanding of this topic, global outreach and networks and passion about alerting people to this threatening process makes her ideal as a candidate to take on this new position on the CMS science council.

Holly has spent time in New Zealand working with her students to study the benefits of controlling and eradication of invasive species, including studying the recovery of migratory seabirds following pest removal. She is very adept at getting this research published in international journals and making people aware of the results through international conferences. She is keen to take on the new role to provide leadership in this field to assist CMS partner countries with understanding and managing the risks from invasive species and to champion the techniques being developed world wide but especially in New Zealand, Australia, USA and UK to reverse the impacts of invasive species on threatened migratory species.

Holly has written to the Secretariat to express her willingness to take on this new programme of work and has provided a CV of her accomplishments.

Yours sincerely

Graeme Taylor
CMS Science Councillor for New Zealand
Oceania representative on CMS Sessional Committee

Principal Science Advisor – Marine Species and Threats
New Zealand Department of Conservation
PO Box 10420

Wellington
NEW ZEALAND

Caution - This message and accompanying data may contain information that is confidential or subject to legal privilege. If you are not the intended recipient you are notified that any use, dissemination, distribution or copying of this message or data is prohibited. If you received this email in error, please notify us immediately and erase all copies of the message and attachments. We apologise for the inconvenience. Thank you.

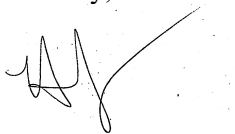
Holly P Jones
Associate Professor
Biology, Institute for the Study of the Environment,
Sustainability and Energy
448 Montgomery Hall
hjones@niu.edu
815-753-7527
17 February 2020



Dear COP Councillor selection panel,

I am writing to express my interest in being appointed a Councillor in the subject area of Invasive Species. I have worked in this field for two decades and much of my research has centered on the impacts of invasive species on islands, the role of invasive species in the biodiversity crisis, and restoration of island systems. Moreover, my recent work in restored grassland ecosystems has broadened my expertise to invasive plant impacts on grassland communities. I am willing to serve as a councilor should I be appointed.

Sincerely,



A handwritten signature in black ink, appearing to be 'Holly P. Jones', written over a light blue horizontal line.

Holly P. Jones

Holly Jones, Ph.D.
University
hjones@niu.edu

Associate Professor, Northern Illinois

(815) 753 - 7527

Education History

Ph.D. (Forestry & Environmental Studies) – Yale University (2010)

M.Ph. (Forestry & Environmental Studies) – Yale University (2007)

B.Sc. (Ecology & Evolutionary Biology/Marine Biology) – University of California, Santa Cruz (2003)

Appointments

Associate Professor, Northern Illinois University (August 2012 – current). Joint-appointed to Department of Biological Sciences and Institute for the Study of the Environment, Sustainability, and Energy

Science, Technology, and Environment Advisory Committee, Congresswoman Lauren Underwood (April 2019-current)

Lead Editor, Ecological Solutions and Evidence (December 2019-current)

Guest Editor for Special Feature, Journal of Ecology (January 2019-August 2019)

Associate Editor, Conservation Science and Practice (December 2018-December 2019)

Associate Editor, Biological Invasions (July 2016-December 2019)

Associate Editor, Ecological Restoration (May 2015-December 2019)

Research Associate, Institute for Applied Ecology New Zealand, Auckland University of Technology (September 2015 - current)

Adjunct Researcher, Institute for Marine and Antarctic Studies, University of Tasmania (August 2019-current)

Visiting Postdoctoral Scholar, UC Santa Cruz (August 2010 – August 2012), Environmental Studies Department. Advisor: Erika Zavaleta

Ecosystem Recovery and Resilience Consultant, The Nature Conservancy (TNC) and UC Santa Cruz (January 2011 – September 2011). Supervisor: Peter Kareiva

Ecosystem-based Adaptation Consultant, Conservation International and UC Santa Cruz (August 2010 – August 2012). Supervisor: David Hole

Publications

Peer reviewed journal articles. *Indicates graduate or undergraduate students

1. Bowler, D., Bjorkman, A.D., Dornelas, M., Myers-Smith, I., Navarro, L., Niamir, A., Supp, S.R., Waldock, C., Vellend, M., Blowes, S.A., Böhning-Gaese, K., Bruelheide, H., Elahi, R., Antao, L., Hines, J., Isbell, F., **Jones, H.P.**, Magurran, A., Winter, M., Bates, A. The geography of the Anthropocene differs between the land and the sea. *People and Nature*. In press.
2. Barber, N.A., Hosler, S.*, Whiston, P.*, and **Jones, H.P.** Initial responses of dung beetle communities to bison reintroduction in restored and remnant tallgrass prairie. *Natural Areas Journal*. In press.
3. Burke, A.M.*, Barber, N.A., and **Jones, H.P.** Early small mammal responses to bison reintroduction and prescribed fire in restored tallgrass prairies. *Natural Areas Journal*. In press.
4. Cooke, S. J., Bennett, J. R., and **Jones, H. P.** (2019). We have a long way to go if we want to realize the promise of the “Decade on Ecosystem Restoration”. *Conservation Science and Practice*, 1(12), e129.
5. Blowes, S.A. Supp, S.R., Antão, L.H. Bates, A., Bruelheide, H., Chase, J.M., Moyes, F., Magurran, A., McGill, B., Myers-Smith, I., Winter, M., Bjorkman, A.D., Bowler, D., Byrnes, J., Gonzalez, A., Hines, J., Isbell, F., **Jones, H.P.**, Navarro, L.M., Thompson, P., Vellend, M., Waldock, C., Dornelas, M. 2019. The geography of biodiversity change in marine and terrestrial assemblages. *Science*, 366(6463), 339-345.

6. **Jones, H. P.**, Barber, N. A., & Gibson, D. J. (2019). Is phylogenetic and functional trait diversity a driver or a consequence of grassland community assembly? *Journal of Ecology*, 107(5), 2027-2032.
7. Barber, N. A., Farrell, A. K.* , Blackburn, R. C.* , Bauer, J. T., Groves, A. M., Brudvig, L. A., & **Jones, H. P.** (2019). Grassland restoration characteristics influence phylogenetic and taxonomic structure of plant communities and suggest assembly mechanisms. *Journal of Ecology*, 107(5), 2105-2120.
8. **Jones, Holly P.**, Peter C. Jones, Edward B. Barbier, Ryan C. Blackburn*, Jose M. Rey Benayas, Karen D. Holl, Michelle McCrackin, Paula Meli, Daniel Montoya, and David Moreno Mateos. (2019). We agree with Larkin et al. 2019: restoration is context specific. *Proceedings of the Royal Academy of Sciences B* 286(1907): 20191179.
9. Chase, J. M., McGill, B. J., Thompson, P. L., Antão, L. H., Bates, A. E., Blowes, S. A., Dornelas, M. , Gonzalez, A. , Magurran, A. E., Supp, S. R., Winter, M. , Bjorkman, A. D., Bruelheide, H. , Byrnes, J. E., Cabral, J. S., Elahi, R.* , Gomez, C. , Guzman, H. M., Isbell, F., Myers-Smith, I. H., **Jones, H. P.**, Hines, J. , Vellend, M. , Waldock, C* . and O'Connor, M. (2019), Species richness change across spatial scales. *Oikos*. 128(8), 1079-1091.
10. **Jones, H.P.**, Campbell, K. J., Burke, A. M.* , Baxter, G. S., Hanson, C. C., & Mittermeier, R. A. (2018). Introduced non-hominid primates impact biodiversity and livelihoods: management priorities. *Biological Invasions*, 20(9), 2329-2342.
11. Stanford, B.* , **Jones, H.P.** & Zavaleta, E.Z. 2018. Meta-analysis of the effects of upstream land cover on stream recovery. *Conservation Biology*, 33(2), 351-360.
12. **H.P. Jones**, P.C. Jones, E.B. Barbier, R.C. Blackburn* , J.M.R. Benayas, K.D. Holl, M. McCrackin, P. Meli, D. Montoya, D.M. Mateos. 2018. Restoration and repair of Earth's damaged ecosystems. *Proceedings of the Royal Academy of Sciences B* 285(1873): 20172577.
13. Brooke, M.D.L., Bonnaud, E., Dilley, B.J., Flint, E.N., Holmes, N.D., **Jones, H.P.**, Provost, P., Rocamora, G., Ryan, P.G., Surman, C. and Buxton, R.T., 2018. Enhancing the value of future island eradications needs improved understanding of past outcomes. *Animal Conservation*, 21(1):19-20.
14. Brooke, M de L., E. Bonnaud, B.J. Dilley, B. Flint, N.D. Holmes, **H.P. Jones**, P. Provost, G. Rocamora, P.G. Ryan, C. Surman, R.T. Buxton. 2018. Seabird population change following mammal eradications on islands. *Animal Conservation* 21(1): 3-12.
15. Barber, N.A., K.A. Lamagdeleine-Dent, J.E. Willand, **H. P. Jones**, K.W. McCravy. 2017. Species and functional trait re-assembly of ground beetle communities in restored grasslands. *Biodiversity and Conservation* 26(14) 3481-3498.
16. Rocha, Ricardo, Miguel M. Sequeira, Leo R. Douglas, Manuela Gouveia, Roberto Jardim, José Jesus, Holly P. Jones, and Danilo Russo. 2017. Extinctions of introduced game species on oceanic islands: curse for hunters or conservation opportunities? *Biodiversity and Conservation* 26(10): 2517-2520.
17. Gerstner, K., D. Moreno Mateos, J. Gurevitch, M. Beckman, S. Kambach, **H.P. Jones**, R. Seppelt. 2017. Will your paper be used in a meta-analysis? Make the reach of your research broader and longer-lasting. *Methods in Ecology and Evolution* 8(6), 777-784.
18. Meli, P., K.D. Holl, J.M.R. Benayas, **H.P. Jones**, P.C. Jones* , D. Montoya, and D.M. Mateos. 2017. A global review of past land use, climate, and active vs. passive restoration effects on forest recovery. *PLoS One*, 12(2), e0171368.
19. Moreno Mateos, D. E.B. Barbier, P.C. Jones* , **H.P. Jones**, J. Aronson, M.L. McCrackin, P. Meli, D. Montoya, and J. M. Rey Benayas. 2017. Anthropogenic ecosystem disturbance and the recovery debt. *Nature Communications* 9, 14163.

20. McCrackin, M. **H.P. Jones**, D. Moreno Mateos, and P.C. Jones*. 2017. Incomplete recovery of lakes and coastal marine ecosystems from eutrophication: A global meta-analysis. *Limnology and Oceanography*, 62(2), 507-518.
21. Barber, N. A., **H. P. Jones**, M. R. Duvall, W. P Wysocki*, M. J.Hansen, and D. J. Gibson 2017. Phylogenetic diversity is maintained despite richness losses over time in restored tallgrass prairie plant communities. *Journal of Applied Ecology*, 54(1), 137-144.
22. Milman, A, J.M. Marston, S.E. Godsey, J. Bolson, **H.P. Jones**, and C.S. Weiler. 2017. Scholarly Motivations to Conduct Interdisciplinary Climate Change Research. *Journal of Environmental Studies and Sciences* 7(2): 239-250.
23. **Jones, H.P.**, N.D. Holmes, S.H.M. Butchart, B.R. Tershy, P.J. Kappes*, I. Corkery, A. Aguirre-Muñoz, D.P. Armstrong, E. Bonnaud, A.A. Burbidge, K. Campbell, F. Courchamp, P. Cowan, R.J. Cuthbert, S. Ebbert, P. Genovesi, G.R. Howald, B.S. Keitt, S.W. Kress, C.M. Miskelly, S. Oppel, S. Poncet, M.J. Rauzon, G. Rocamora, J.C. Russell, A. Samaniego-Herrera, P.J. Seddon, D.R. Spatz*, D.R. Towns, and D.A. Croll. 2016. Invasive mammal eradication on islands results in substantial conservation gains. *Proceedings of the National Academy of Sciences*, 113(15), 4033-4038. Featured in LA Times, Newsweek, IFL Science, Popular Science, New Zealand Radio, and other news outlets.
24. Madura, P. T.*, and **Jones, H. P.** 2016. Invasive species sustain double-crested cormorants in southern Lake Michigan. *Journal of Great Lakes Research*, 42(2), 413-420. Featured in Great Lakes Echo.
25. Russell, J. C., **H. P. Jones**, D. P. Armstrong, F. Courchamp, P. J. Kappes*, P. J. Seddon, S. Oppel, M. J. Rauzon, P. E. Cowan, G. Rocamora, P. Genovesi, E. Bonnaud, B. S. Keitt, N. D. Holmes, and B. R. Tershy. 2016. Importance of lethal control of invasive predators for island conservation. *Conservation Biology*, 30(3), 670-672.
26. Schweizer, D. *, **Jones, H. P.**, & Holmes, N. D. 2016. Literature Review and Meta-Analysis of Vegetation Responses to Goat and European Rabbit Eradications on Islands. *Pacific Science*, 70(1), 55-71.
27. Borrelle, S.B.*, Buxton, R.T., **Jones, H.P.** and Towns, D.R. 2015. A GIS-based decision making approach for prioritizing seabird management following predator eradication. *Restoration Ecology*, 23(5): 580-587.
28. Kappes, P.* and **H.P. Jones**. 2014. Integrating seabird restoration and mammal eradication programs on islands to maximize conservation gains. *Biodiversity Conservation*, 23(2): 503-509.
29. Phelan, L., **H.P. Jones**, and J. Marlon. 2013. Bringing new PhDs together for interdisciplinary climate change research. *Eos* 94(5): 57.
30. **Jones, H.P.**, D. Hole, and E.S. Zavaleta. 2012 Harnessing nature to help people adapt to climate change. *Nature Climate Change* 2(7):504-509.
31. **Jones, H.P.** and Kress, S.W. 2012. Global review of active seabird restoration projects. *Journal of Wildlife Management*, 76(1): 2-9. Featured on the journal cover.
32. **Jones, H.P.** 2010. Seabird islands take mere decades to recover following rat eradication. *Ecological Applications* 20(8): 2075-2080. Featured on the journal cover.
33. **Jones, H.P.** 2010. Prognosis for ecosystem recovery following rodent eradication and seabird restoration in an island archipelago. *Ecological Applications* 20(5):1204-1216. Reviewed on Faculty 1000.
34. **Jones, H.P.** and O.J. Schmitz. 2009. Rapid recovery of damaged ecosystems. *PLoS ONE* 4(5): e5653. doi:10.1371/journal.pone.0005653. Featured on NPR, in The Economist Magazine, Faculty 1000 and Nature Research Highlights.
35. **Jones, H.P.**, B.R. Tershy, E.S. Zavaleta, D.A. Croll, B.S. Keitt, and M.E. Finkelstein. 2008. Severity of the effects of invasive rats on seabirds: A global review. *Conservation Biology* 22(1): 16-26. Featured on the journal cover.

36. **Jones, H.P.**, R.W. Henry III, G.R. Howald, B.R. Tershy, and D.A. Croll (2005). Predation of artificial Xantus's Murrelet nests before and after black rat eradication. *Environmental Conservation* 32(4): 320-325.

Peer reviewed book chapters

1. **Jones, H. P.** 2013. The impact of ecological restoration on ecosystem services. Pages 199-208 in S. Levin, editor. *The Encyclopedia of Biodiversity*, 2nd Edition. Elsevier, New York.
2. **Jones, H.P.**, D.R. Towns, T. Bodey*, C.M. Miskelly, J. Ellis, M.J. Rauzon, S.W. Kress, and M. McKown*. 2011. Chapter 11: Recovery and restoration on seabird islands in C.P.H. Mulder, D.R. Towns, W.B. Anderson, and P.J. Bellingham, editors. *Seabird Islands: Ecology, Invasion, and Restoration*. Oxford University Press, Oxford.
3. Towns, D.R., G.V. Byrd, **H.P. Jones**, M.J. Rauzon, J.C. Russell and C. Wilcox. 2011. Chapter 3: Impacts of introduced predators on seabirds in C.P.H. Mulder, D.R. Towns, W.B. Anderson, and P.J. Bellingham, editors. *Seabird Islands: Ecology, Invasion, and Restoration*. Oxford University Press, Oxford.
4. Mulder, C.P.H., **H.P. Jones**, K. Kameda, C. Palmberg, S. Schmidt, J.C. Ellis, J L. Orrock, D.A. Wait, D.A. Wardle, L. Yang, H. Young, D.A. Croll, and E. Vidal. 2011. Chapter 5: Impacts of Seabirds on Plant and Soil Properties in C.P.H. Mulder, D.R. Towns, W.B. Anderson, and P.J. Bellingham, editors. *Seabird Islands: Ecology, Invasion, and Restoration*. Oxford University Press, Oxford.
5. Schmitz, O.J., **H. P. Jones** and B.T. Barton. 2007. Scavengers. *Encyclopedia of Ecology*. Elsevier, UK.

Commentary and outreach pieces

1. I co-curate and often contribute to a blog about the unique experiences of women and non-binary people who do field work. <https://fieldsecrets.wordpress.com/> I wrote four posts this year: <https://fieldsecrets.wordpress.com/2019/10/02/toxic-masculinity/> <https://fieldsecrets.wordpress.com/2019/06/04/motivate-your-crew/> <https://fieldsecrets.wordpress.com/2019/05/21/introvert-fielding/> <https://fieldsecrets.wordpress.com/2019/02/11/whos-your-femfieldhero/>
2. Buxton, R., Wang, S., Phillips, E., H.P. Jones, Major, H., Provencher, J. [How work-family justice can bring balance to scientist moms](#). *Scientific American*. Published April 11, 2019.
3. Barber, L. K., Barber, N. A., and **H.P. Jones**. 2017. PhD students: living wage key to diversity. *Nature*, 550(7676), 333-333.
4. **Jones, H.P.** 2017. My Journey as a Woman in STEM. Island Conservation Blog. <https://www.islandconservation.org/holly-jones-woman-stem/>

Grants

- Evaluating ecosystem recovery from invasive mammal removal on islands globally. H.P. Jones. National Geographic Committee for Research Exploration (2017-2020) \$34,000
- The ecosystem consequences of management disturbances: examining the community-trait-function relationships of consumers in a restored grassland. H.P. Jones (lead PI) and Nick Barber (co-PI but contributed equally). National Science Foundation EAGER plus REU Supplement (2016-2018) \$206,250
- Using drones to monitor grassland responses to shifting climate and restoration. H.P. Jones. Parrot Sequoia and Pix4D (2017) \$5,000 (drone + Parrot Sequoia)
- Ecological Assessment of District Lands. H.P. Jones, Nick Barber, and Rich King. Lake County Forest Preserve Grant (2014, 2015, 2016-2019) \$41,000 per annum in 2014-2015; \$205,530 in 2016-2019

Holly Jones, Ph.D.
University
hjones@niu.edu

Associate Professor, Northern Illinois

(815) 753 - 7527

- A restoration synthesis. National Center for Socioeconomic Environmental Synthesis Center (SESYNC), sDIV, and the Helmholtz Center for Environmental Research Synthesis Working Group Grant. Holly Jones (lead PI) and David Moreno-Mateos (co-PI) (2013-2015) \$72,000
- The effects surrounding land uses and restoration strategy on ecosystem recovery after severe perturbations. Holly Jones. Northern Illinois University Research and Artistry Grant (2012) \$15,000
- Island restoration and recovery following invasive species removal. Holly Jones. Northern Illinois University Research and Artistry Grant (2012) \$15,000
- Using a multi-trophic approach to evaluate ecosystem response to prairie restoration. American Philosophical Society Franklin Grant (2013) \$6,000
- Using a chronosequence to investigate ecosystem recovery following invasive rat eradication. Holly Jones. National Science Foundation Doctoral Dissertation Enhancement Project Grant (2009; Awarded but declined because my dissertation was finished)
- Using a unique research design to evaluate island restoration efficacy: An ecosystem-scale natural experiment. Holly Jones. National Geographic Committee for Research Exploration Grant (2008) \$15,000
- Conservation of Island Ecosystems Using Seabird Restoration. Holly Jones. Sophie Danforth Conservation Biology Fund (2007) \$1,000
- Evaluating ecosystem recovery following invasive species removal. Holly Jones. Yale Institute for Biospheric Studies Pilot Grant (2006, 2007) \$2,000 per annum
- Evaluating ecosystem recovery following invasive species removal. Holly Jones. American Philosophical Society Lewis and Clark Exploration Grant (2006, 2007) \$3,000 per annum

Awards, Honors, and Professional Development

- Northern Illinois University Graduate Council – Elected position (2016 – 2019)
- Northern Illinois University Student Engagement Fund Mentor (2015-current)
- Northern Illinois Research and Innovation Action Council (2017-current)
- Northern Illinois University Faculty Mentor of the Year Nominee (2016)
- Northern Illinois University Research Rookies Mentor (2016)
- Northern Illinois University McKearn Fellow Mentor (2016)
- Northern Illinois University Undergraduate Research Apprenticeship (URA) Faculty (2014, 2015)
- Northern Illinois University Undergraduate Research Apprenticeship Program (URAP) Faculty (2013, 2014)
- Northern Illinois University Cobb Fellowship (2014) \$2,500
- National Center for Ecological Analysis and Synthesis (NCEAS) Summer Institute (2013) – I was one of just 20 people to be selected to attend this data carpentry, analysis, and synthesis workshop. We learned from experts such as Ben Bolker and Nancy Baron and I established collaborations with a variety of researchers as well.
- DISCCRS (DISsertations initiative for the advancement of Climate Change ReSearch) VII (October 2012) – I was selected among a large pool of applicants to be one of 30 early career scholars to participate in this symposium for professionals pursuing climate change research.
- Leopold Schepp Foundation Fellow (2006, 2007) \$4,000 per annum

Symposia and Professional Speaking. *Indicates Presenter

- Nachusa Grasslands Annual Science Symposium **Keynote** (2019). The Restoring Function in Grassland Ecosystems (ReFuGE) Project – Impacts of bison, fire, and restoration age to food webs and ecosystem function. H.P. Jones, N.A. Barber, A. Burke, H. Herakovich, R.

- Blackburn, K. Feller, N. Steijn, A. Farrell, S. Hosler, M. Nelson, E. Rowland, P. Guiden. Invited talk.
- Chicago Botanic Garden (2019). Bison impacts on plants and animals in a world-class prairie restoration. H.P. Jones. Invited talk.
- STEM Café: Bison and Brews (2019). Bison impacts on plants and animals in a world-class prairie restoration. H.P. Jones. Invited talk for the public.
- Iowa State University (2019). Seismic shifts in island food webs: Island responses to invasive mammal removal. H.P. Jones. Invited talk.
- St. Olaf University (2019). Potential for restoring Earth's damaged ecosystems. H.P. Jones. Invited talk.
- Morton Arboretum (2019). Bison impacts on plants and animals in a world-class prairie restoration. H.P. Jones. Invited talk.
- Florida Atlantic University Frontiers in Science (2019). Potential for restoring Earth's damaged ecosystems. H.P. Jones. Boca Raton, FL, USA. Invited talk to the public.
- Oceanic Storytellers Seabird Seminar: Research, Monitoring, Restoration (2019). Changes in nesting habitat and seabird activity after island restoration. C.N. Wails*, G. Dell'Ariccia, T. Landers, C. Gaskin, D. Towns, H.P. Jones. Invited presentation.
- Auckland University of Technology biology seminar series (2019). Keeping up with the tubenoses: Vegetative succession and seabird activity during passive island recovery. C.N. Wails*, G. Dell'Ariccia, T. Landers, C. Gaskin, D. Towns, H.P. Jones. Invited presentation.
- BirdFest Research Session (2019). Seabird conservation abroad: Identifying threats and promoting recovery. C.N. Wails*, W. Holthuijzen*, L. Rankin, H.P. Jones.
- BirdFest Research Session (2019). Assessing bird-window collisions at Northern Illinois University. H. Borden*, H. Herakovich, C.N. Wails, H.P. Jones.
- NIU Research and Artistry Day (2019). Assessing the frequency and seasonality of bird-window collisions at NIU. H. Borden*, H. Herakovich, C.N. Wails, H.P. Jones.
- NIU Research and Artistry Day. (2019). Of mice and bugs: the impacts of invasive house mice (*Mus musculus*) on arthropod diversity on Midway Atoll National Wildlife Refuge. E.S. Pacheco Grande*, S. Naughton*, W.A. Holthuijzen, H.P. Jones.
- NIU Research and Artistry Day. (2019). Responses of orders hymenoptera and coleoptera to invasive mice on Midway Atoll National Wildlife Refuge. K.J. Rosenberger*, W.A. Holthuijzen, H.P. Jones.
- NIU Phi Sigma Research Symposium. (2019). Fly on the wall: monitoring ecological impacts of invasive house mice via arthropod communities. W.A. Holthuijzen*, B.N. Flint, J.H. Plissner, K.J. Rosenberger, C.A. Wolf, H.P. Jones.
- Sand Bluff Bird Observatory Bird Fest. (2019). Seabird conservation abroad: identifying threats and promoting recovery. C.N. Wails*, W.A. Holthuijzen*, L. Rankin, H.P. Jones.
- Society for Ecological Restoration Midwest Great Lakes Chapter Annual Scientific Meeting. (2019). Fly on the wall: monitoring ecological impacts of invasive house mice via arthropods. W.A. Holthuijzen*, B.N. Flint, J.H. Plissner, K.J. Rosenberger, C.A. Wolf, H.P. Jones.
- NIU Phi Sigma Research Symposium (2019). Occupancy and co-existence of domestic cats and mesocarnivores in a suburban preserve system. J. Vanek*, R.B. King, H.P. Jones, G.A. Glowacki.
- Pacific Seabird Group Conference, 2019. Seabird responses to invasive mammal removal and their influence on terrestrial and nearshore island ecosystem recovery. H.P. Jones*, S. Borrelle, L. Rankin, C. Wails.
- The Wildlife Society 25th Annual Conference (2018). Occupancy and co-existence of domestic cats and mesocarnivores in a suburban preserve system. J. Vanek*, R.B. King, H.P. Jones, G.A. Glowacki

Holly Jones, Ph.D.
University
hjones@niu.edu

Associate Professor, Northern Illinois

(815) 753 - 7527

- Lincoln Park Zoo (2018): Bison impacts on plants and animals in a world-class prairie restoration. H.P. Jones. Wilmington, IL, USA. Invited talk to the public.
- Lifelong Learning Institute, NIU (2018): Bison impacts on plants and animals in a world-class prairie restoration. H.P. Jones. This was an invited talk to researchers and land managers at Midewin. DeKalb, IL, USA. Invited talk to the public.
- Coalition for National Science Funding Conference (May 2018). Impacts of reintroduced bison and prescribed fire in one of the world's most threatened ecosystems. H.P. Jones and N.A. Barber. Washington D.C., USA. This was a conference that showcased NSF funded research to members of Congress and their staff. I was invited by NIU Federal Outreach Professional Anna Quider, and we met with Senator Tammy Duckworth's and Congresswoman Jan Schakowsky's staff and we had a meeting with staffers on the Research and Technology subcommittee of the House Science, Space, and Technology Committee.
- University of Illinois Urbana-Champaign (2018). Potential for restoring Earth's damaged ecosystems. H.P. Jones. Urbana-Champaign, IL, USA. Invited talk.
- Geography and Geosciences Seminar Series, NIU (2018). H.P. Jones. Potential for restoring Earth's damaged ecosystems. H.P. Jones. DeKalb, IL, USA. Invited talk.
- Washington University St. Louis, Tyson Research Station (2018). Potential for restoring Earth's damaged ecosystems. H.P. Jones. St. Louis, MO, USA. Invited talk.
- Grand Valley State University (2018). Potential for restoring Earth's damaged ecosystems. H.P. Jones. Allendale, MI, USA. Invited talk.
- Northern Illinois University. (2018) Science Communication. H.P. Jones. DeKalb, IL, USA. Invited talk to share what I learned at the National Geographic Society Storytelling Bootcamp.
- Midewin Tallgrass Prairie (2018): Bison impacts on plants and animals in a world-class prairie restoration. H.P. Jones. Wilmington, IL, USA. Invited talk
- Ecological Society of America Conference, 2018. Influences of initial conditions, time, and disturbance on plant phylogenetic community structure along a successional restoration gradient. Nicholas A. Barber*, Ryan C. Blackburn, Anna K. Farrell, and Holly P. Jones. New Orleans, USA
- Ecological Society of America Conference, 2018. Dung beetle functional traits related to restoration management practices in tallgrass prairie. Sheryl C. Hosler*, Holly P. Jones and Nicholas A. Barber. New Orleans, USA
- Ecological Society of America Conference, 2018. Of mice and management: Small mammals and the impacts of herbicide at a restored prairie. Nick Steijn*, Kirstie Savage and Holly P. Jones. New Orleans, USA
- Ecological Society of America Conference, 2018. Inclusion of intraspecific variation does not improve predictive power of functional diversity for ecosystem function in restored prairie plant communities. Anna K. Farrell*, Ryan C. Blackburn, Holly P. Jones, and Nicholas A. Barber. New Orleans, USA.
- Ecological Society of America Conference, 2018. The ecosystem consequences of management disturbances: Examining the community-trait-function relationships of small mammals in a restored grassland. Holly P. Jones*, Nicholas A. Barber, Kirstie Savage, Nick Steijn, Ryan C. Blackburn and Anna K. Farrell. New Orleans, USA.
- Ecological Society of America Conference, 2018. Competition and niche specialization during community reassembly in the world's seabird biodiversity hotspot. Christy N. Wails* and Holly P. Jones. New Orleans, USA.
- National Geographic Society, 2018. Island conservation elevator pitch. Holly P. Jones. This was a short talk given to around 150 National Geographic employees about the research for which they funded me.

- British Ornithology Union Twitter Conference (2017). Sentinels of the sea: Status, threats, and hope for global seabird conservation. I was a Keynote presenter for this conference on Twitter.
- Elgin Public Museum (2017): Bison impacts on flora and fauna in a world-class prairie restoration. H.P. Jones. This was an invited talk to the public. Elgin, IL, USA.
- Nachusa Grasslands Annual Science Symposium (2017). ReFuGE - Restoring Function in Grassland Ecosystems. N.A. Barber and H.P. Jones. Invited.
- Ecological Society of America (2017). I co-organized an oral session entitled Re-Establishing Consumer Communities and Consumer-Driven Function in Restored Ecosystems.
- Ecological Society of America (2017). Small mammal responses to bison reintroduction and prescribed fire in a restored prairie. H.P. Jones, A.M. Burke, N. Steijn, K. Savage. Invited.
- Ecological Society of America (2017). The effects of bison reintroduction on grassland bird nest success in a tallgrass prairie. H. Herakovich* and H.P. Jones.
- Ecological Society of America (2017). Structure and function of dung beetle communities in response to grazing and prescribed fire in restored tallgrass prairie. N.A. Barber*, P. Whiston, H.P. Jones.
- Ecological Society of America (2017). Using stable isotope analysis to measure nearshore recovery of seabird islands following rodent eradication in New Zealand. L. Rankin* and H.P. Jones.
- Ecological Society of America (2017). Quantifying coyote dietary niche width in a restored grassland. Kirstie Savage* and H.P. Jones.
- Ecological Society of America (2017). Floral and soil stoichiometric (C:N) response to prescribed fire in tallgrass prairie. J. Heise*, N.A. Barber, R.C. Blackburn, C. Chantos, H.P. Jones
- Ecological Society of America (2017). Vegetation impacts of reintroduced bison in a restored tallgrass prairie and the ability of UAV imagery to assess them. R.C. Blackburn* and H.P. Jones.
- International Congress for Conservation Biology (2017) Estimating the population level impacts of anthropogenic at-sea threats to seabirds. S. Borrelle*, H.P. Jones, R. Salguero-Gomez, D.R. Towns.
- Severson Dells Nature Center (2017): Bison impacts on flora and fauna in a world-class prairie restoration. H.P. Jones. This was an invited talk to the public. Rockford, IL, USA.
- Nachusa Grasslands Annual Science Symposium (2016). Small mammal responses to bison reintroduction and prescribed fire in one of the world's most threatened ecosystems. A.M. Burke* and H.P. Jones. Invited.
- North American Prairie Conference (2016). Small mammal response to bison reintroduction in a world-class prairie restoration. H.P. Jones and A.M. Burke*
- International Island Biology Conference (2016). Island restoration through invasive mammal eradication. James Russell*, Nick Holmes, Holly Jones.
- University of Rockford. (2016). How can restoration help repair biodiversity and contribute to human well-being? H.P. Jones*. I was invited for the Departmental Seminar.
- University of Illinois, Chicago (2016). Island restoration and recovery following invasive rat removal. H.P. Jones*. I was invited for the Departmental Seminar.
- Universidad de Alcalá, Spain (2016). Island restoration and recovery following invasive rat removal. H.P. Jones*. I was invited for the Departmental Seminar.
- University of Arkansas. (2015). Seabird island restoration and recovery following invasive rat removal. H.P. Jones*. I was invited as the Graduate Colloquium Speaker.
- International Congress for Conservation Biology (2015) - Benefits of invasive mammal removal to native island fauna. H.P. Jones*, N.D. Holmes, S.H.M. Butchart, B.R. Tershy, P.J. Kappes, I. Corkery, A. Aguirre-Muñoz, D.P. Armstrong, E. Bonnaud, A.A. Burbidge, K. Campbell, F. Courchamp, P. Cowan, R.J. Cuthbert, S. Ebbert, P. Genovesi, G.R. Howald, B.S. Keitt, S.W.

Holly Jones, Ph.D.
University
hjones@niu.edu

Associate Professor, Northern Illinois

(815) 753 - 7527

- Kress, C.M. Miskelly, S. Oppel, S. Poncet, M.J. Rauzon, G. Rocamora, J.C. Russell, A. Samaniego-Herrera, P.J. Seddon, D.R. Spatz, D.R. Towns, and D.A. Croll.
STEM Cafe. Breakfast with the Bison talk and prairie tour (2015). H.P. Jones* and Nick Barber*. ~200 participants. August 2015.
- Joint Aquatic Sciences Meeting (2014) - Slow recovery of lakes, wetlands, and coastal areas from eutrophication. M. McCrackin* and H.P. Jones.
- University of Massachusetts Boston (2014). The potential for ecosystem restoration in the Anthropocene. H.P. Jones*. Invited panelist for a mini-conference on ecosystem restoration and management.
- Winter Trails & Naturalist Tales - Illinois extension conference (2013) Ecosystem recovery after severe disturbances. H.P. Jones. I was invited as one of the keynote speakers for this public conference.
- 97th Annual Ecological Society of America Meeting (2012) – Harnessing nature to help people adapt to climate change: Identifying global high-priority areas for coastal ecosystem-based adaptation. H.P. Jones*, D. Hole, B. Nickel, E. Zavaleta.
- Island Restoration Symposium, Society for Conservation Biology (2011) – I organized and chaired a symposium on the restoration and conservation outcomes on islands following invasive species eradication. I gave a talk at the symposium, Taking eradication funding and measurable outcomes one step further – Restoring island ecosystems.
- 25th Meeting of the Society for Conservation Biology (December 2011). Repair and recovery of damaged nature. H.P. Jones*, P. Kareiva, M. Mariver, E. Zavaleta.
- UC Santa Cruz Environmental Studies Seminar Series (February 2011) – Setting ecosystem-based adaptation goals for climate change and prioritizing restoration projects.
- World Seabird Conference (September 2010). Worldwide seabird restoration projects. H.P. Jones* and S. Kress. Invited presentation.
- 1st International Wildlife Reintroduction Conference (April 2008). Review of seabird reintroduction projects worldwide. H.P. Jones* and S. Kress.
- 3rd Joint Conference of the NZ Ecological Society and the Ecological Society of Australia (August 2006). What makes seabirds defenseless to invasive rats? An analysis of seabird characteristics affecting vulnerability. H.P. Jones*, B.R. Tershy, D.A. Croll, E.S. Zavaleta
- 20th Meeting of the Society for Conservation Biology (June 2006). What makes seabirds defenseless to invasive rats? An analysis of seabird characteristics affecting vulnerability. H.P. Jones*, B.R. Tershy, D.A. Croll, E.S. Zavaleta.
- 6th California Islands Symposium (2003). Predation of artificial Xantus Murrelet nests before and after black rat eradication. H.P. Jones*, B.R. Tershy, D.A. Croll, G.R. Howald.

Service outside the University

Reviews

- Tenure and Promotion Review – University of Michigan, Flint (2019)
- NSF Ad-hoc reviewer (2015-present)
- Outside Dissertation Review - Rachel Buxton, Ecological drivers of seabird recovery after the eradication of introduced predators. University of Otago, New Zealand (July 2014)
- NSF Population and Community Ecology grant panel (November 2017)
- NSF Antarctic Organisms and Ecosystems grant panel (July 2014)
- NSF DDIG grant panel (February 2013)
- NSF GRFP grant panel (January 2013)
- Biodiversa grant panel (April 2013)
- Outside reviewer for Natural Sciences and Engineering Research Council of Canada Grants (NSERC)
- Outside reviewer for National Geographic Society's Committee for Research Exploration

Outside reviewer for: *Animal Conservation, Antarctic Science, Biodiversity Conservation, Biological Conservation, Biological Invasions, Bioscience, Bird Conservation International, Conservation Biology, EcoHealth, Ecological Applications, Ecological Restoration, Ecology, Ecology Letters, Global Change Biology, Human Ecology, Journal of Applied Ecology, Journal of Fish and Wildlife Management, Journal of Wildlife Management, Methods in Ecology and Evolution, Nature Climate Change, Nature Ecology and Evolution, New Zealand Journal of Ecology, Oecologia, PlosBiology, PlosOne, PNAS, Population Ecology, Restoration Ecology, Proceedings of the Royal Society B - Biological Sciences, Science*

Public Service Activities

- 2019 HerStory: I was invited to come talk to girls in 3rd-5th grade interested in STEM about my life as a Conservation Biologist and scientist.
- 2017 - current Bison Tours for Autumn on the Prairie. I led the public on tours of my field site, Nachusa Grasslands, for the preserve's annual public outreach event. Hundreds of people come to hear about bison and their impacts on the prairie.
- 2018 I helped found and now co-curate [a blog](#) about the unique experiences of women and non-binary people who work in the field. We post every two weeks, and started the hashtag #FemFieldPhoto, on which thousands of women posted pictures of themselves doing field work on social media.
- 2017 Skype a Scientist. I have participated in two Skype a Scientist sessions, one with a 2nd grade class in Maine and another with a 5th grade class in Alabama.
- 2017 Montessori Academy Prairie Field Trip. My students and I led 1st-8th graders around our study site at Nachusa Grasslands, gave them demonstrations of science, and answered questions about prairie.
- 2016 Stem Café: Breakfast with the Bison. Nick Barber and I co-led a breakfast Stem Café about Nachusa Grasslands' prairie restoration effort including reintroducing bison. We then led a tour of Nachusa. Over 200 people attended.
- 2016 Small mammal trapping with 1st-5th graders. Montessori Academy Batavia. For the school's science summer camp, I came and set up small mammal traps and showed the students what we do when we trap small mammals.
- 2015 Lecture for Larkin High School AP Environmental Science students. I talked about what biodiversity does for us in this lecture.
- 2015 Diversity in the prairie. 1st-5th graders. Montessori Academy Batavia. I came and talked about the animals we see at the prairie and why it is important to Illinois.
- 2015 Seabird sounds. Pre-K-K students. Montessori Academy Batavia. I came and played different seabird sounds and showed students pictures of seabirds that I have worked with.
- 2015 NIU Anthropology Museum re-opening. I was photographed with a museum piece from New Zealand and featured in the exhibit.
- 2014 NIU Anthropology Museum Biodiversity Exhibit. I made a poster about the island seabird research going on in the lab to be displayed in the Anthropology museum.

Media Appearances

- 2019 Overheard at National Geographic (Podcast). 2019. The zombie mice of Marion Island. <https://www.nationalgeographic.com/podcasts/overheard/episode-5-zombie-mouse-island/>
- 2019 From the Field Podcast. 2019. Reintroducing bison to the tallgrass prairie with Holly Jones. <https://www.fromthefieldpodcast.com/episodes/episode-1/>

- 2019 CNN "[Why bringing back bison could help restore America's lost prairie](#)" (November 27, 2019)
- 2019 Nature World News "[Bison: The unexpected solution to restoring the grassland](#)" (November 27, 2019)
- 2018 NIU Newsroom "[Fixing damaged ecosystems: How much does restoration help?](#)" (February 28, 2018)
- 2018 Chicago Tribune "[Should we let Mother Nature fix the ecosystem? NIU study says restoration work has mixed results, rarely succeeds fully](#)" (February 27, 2018)
- 2018 Science Daily "[Fixing damaged ecosystems: How much does restoration help?](#)" (March 1st, 2018)
- 2018 Phys.org "[Study suggests active restoration of damaged ecosystems not always better than nature](#)". (February 28, 2018)
- 2018 Phys.org "[Following disturbance, most waterways improve but don't fully recover within the study period, researchers found](#)" (July 27, 2018).
- 2018 Gizmodo "[Bison are helping rewild the last of the Midwest's prairies](#)" (October 31, 2018)
- 2017 WNIJ News "[An incredible place to discover](#)" (August 9th, 2017)
- 2016 Chicago Tribune "[Bison mania hits 95 miles west of Chicago as herd continues to grow](#)" (December 30, 2016)
- 2016 WNIJ News "[NIU Biologists use drones to monitor bison's effect on Nachusa Grasslands](#)" (October 22, 2016)
- 2016 NIU Newsroom "[Bird's eye view NIU researchers using drone to study effect of bison return to Nachusa](#)" (October 12, 2016) ([Video link](#))
- 2016 Al Jazeera America "[Bringing back the bison](#)" (September 11, 2016; Original air date July 2016)
- 2016 Great Lakes Echo "[Can cormorants help control Great Lakes invaders?](#)" (June 6, 2016)
- 2016 Kane County Chronicle "[NIU professor from Batavia fights species extinction](#)" (April 20, 2016)
- 2016 Otago Daily Times "[NZ methods earn praise](#)" (March 30, 2016)
- 2016 ABC Natural "[El peligro de las macotas en las islas](#)" (March 29, 2016)
- 2016 Birdwatch "[Invasive mammal eradication provides value for money and birds](#)" (March 27, 2016)
- 2016 Greenreport "[L'arma vincente contro la perdita di biodiversità? L'eradicazione dei mammiferi invasivi](#)" (March 24, 2016)
- 2016 Popular Science "[Repelling the invaders: Killing invasive species may be rough, but it works](#)" (March 23, 2016)
- 2016 Los Angeles Times "[To save native island animals from extinction, eradicate the uninvited guests, study finds](#)" (March 22, 2016)
- 2016 Newsweek "[Eradicating invasive mammals helps native island species thrive](#)" (March 22, 2016)
- 2016 Radio New Zealand "[New Zealand leads world in island conservation](#)" (March 22, 2016)
- 2016 Newshub "[NZ a world leader in pest eradication techniques](#)" (March 22, 2016)
- 2016 National Geographic "[Conservation Silver Bullet](#)" (March 21, 2016)
- 2016 TakePart "[When the Killing's Done, Island Wildlife Roars Back](#)" (March 21, 2016)
- 2016 Santa Cruz Sentinel "[Study shows biodiversity benefits of removing invasive mammals from islands](#)" (March 18, 2016)
- 2016 Science Coalition "[Why should science matter to presidential candidates?](#)" (February 29, 2016)
- 2015 NIU Newsroom "[Prairie state of mind](#)" (November 30, 2015) [Video Link](#)
- 2014 NIU Today "[Where the buffalo roam \(once again\)](#)" (September 29, 2014)
- 2010 Conservation Magazine "[Wounds that can heal](#)" (January 15, 2010)
- 2009 EcoDebate "[Meta-análise conclui que os ecossistemas podem se recuperar em uma geração](#)" (June 30, 2009)
- 2009 National Association of Science Writers "[Hope for accelerated ecosystem recovery](#)" (May 2009)
- 2009 Mongabay "[Polluted, degraded ecosystems can recover in less than a lifetime](#)" (May 31, 2009)
- 2009 Science Daily "[Most polluted ecosystems can recover](#)" (May 28, 2009)

Holly Jones, Ph.D.
University
hjones@niu.edu

Associate Professor, Northern Illinois

(815) 753 - 7527

- 2009 Ecological Society of America Blog "[Many disturbed ecosystems recoverable?](#)" (May 28, 2009)
- 2009 Common Dreams "[Damaged ecosystems not lost forever](#)" (May 27, 2009)
- 2009 Tri-City Herald "[The good news on damaged ecosystems: Some recover fast](#)" (May 27, 2009)
- 2008 National Geographic "[Rat invasions causing seabird decline worldwide](#)" (February 21, 2008)
- 2008 National Geographic "[Alien rats prey on seabirds worldwide](#)" (February 21, 2008)

References

Richard King, Distinguished Research Professor
Northern Illinois University, School of Biological Sciences
rbking@niu.edu
815 753 7833

Erika Zavaleta, Professor
University of California, Santa Cruz, School of Environmental Studies
zavaleta@ucsc.edu
831 459 5011

Oswald Schmitz, Oastler Professor of Community Ecology
Yale School of Forestry and Environmental Studies
oswald.schmitz@yale.edu
203 432 5110

Donald Croll, Professor
University of California, Santa Cruz
croll@biology.ucsc.edu
831-459-3610

Marco Barbieri

From: Malta Qwathekana <MQwathekana@environment.gov.za>
Sent: Tuesday, 18 February 2020 18:51
To: 'narelle.montgomery@environment.gov.au'; James Williams
Subject: CV A Oteng-Yeboah 18022020.doc
Attachments: CV A Oteng-Yeboah 18022020.doc

Dear Colleagues

Thanks for this opportunity to nominate. Please find attached Alfred's CV as sent by him agreeing that I can nominate him as he is keen to serve as a COP Appointed Councilor in the respective subject area of Terrestrial Mammals. Please inform me should you require anything more. My Mobile for whatsapp for anything urgent is +27780936266.

Regards

Malta

'Please consider the environment before you print this email'

This message and any attachments transmitted with it are intended solely for the addressee(s) and may be legally privileged and/or confidential. If you have received this message in error please destroy it and notify the sender. Any unauthorized usage, disclosure, alteration or dissemination is prohibited. The Department of Environmental Affairs accepts no responsibility for any loss whether it be direct, indirect or consequential, arising from information made available and actions resulting there from. The views and opinions expressed in this e-mail message may not necessarily be those of Management.

CURRICULUM VITAE

NAME: Alfred Apau Oteng-Yeboah

DATE OF BIRTH: 13 August 1946

MARITAL STATUS: Married

Postal Address: P.O.Box LG 55 LEGON Accra Ghana

Email: alfred.otengyeboah@gmail.com; a.a.oteng-yeboah@ug.edu.gh

Telephone: Mobile: +233 24 4 77 22 56

Fax : +233 302 66 28 02

EDUCATIONAL BACKGROUND

BSc Ghana 1968

PhD Edinburgh 1972

CURRENT POSITION

I am presently on post-retirement contract at the College of Basic and Applied Sciences, School of Biological Sciences, Department of Plant and Environmental Biology, University of Ghana, Legon

MAJOR RESPONSIBILITIES UP TO DATE

As a University Teacher: I have previously been responsible for training graduate students to MPhil and PhD levels in all the Universities I have taught.

As an environmentalist and advocate for biodiversity and ecosystem services: I have worked to engage people of all walks of life, to inform them about the nexus among biodiversity conservation, land degradation and climate change,

I have published extensively in reputable academic journals and also produced non-academic publications to educate the public on environmental issues.

INTERNATIONAL EXPERIENCES

1. Chair, 9th and 10th meeting of the Subsidiary Body on Scientific Technical and Technological Advice (SBSTTA) of the UN Convention on Biological Diversity (CBD). During my tenure which coincided with the WSSD and its Millennium Development Goals that discussion on the 2010 specific biodiversity target and goals and the new strategic vision for the CBD started to lead to the achievement of a substantial reduction in the loss of global biodiversity by 2010.
2. Member of the bureau of SBSTTA for its 11th meeting. The African group decided to keep me on the bureau of this body to support the in-coming Chair of SBSTTA 11 from Europe to ensure continuity.
3. Successfully chaired many important contact groups of CBD, in particular on Forests (COP 5 Nairobi and COP 6 the Hague), on Protected Areas (COP 7 Kuala Lumpur), on Marine Areas beyond national jurisdiction and Global Taxonomy Initiative capacity building (COP 8, Curitiba, Brazil), on biofuels (SBSTTA 12, Rome), expanded programme on Protected Areas (COP 9, Bonn) and Satoyama Initiative as useful tool in the expanded work programme on sustainable use (COP 10, Nagoya, Japan)
4. Chaired the Steering Committee set up at COP 8 charged with developing special funds for taxonomy in contribution to the Global Taxonomy Initiative of CBD.
5. Chair, Steering Committee of the International Partnership on Satoyama Initiative (IPSI), Nagoya, Japan 2011 to date.
6. Selected to serve on the advisory group on Indicators for 2010 biodiversity target within the UNEP-WCMC.

7. Co-chair, International Mechanism of Scientific Expertise on Biodiversity (IMoSEB) from January 2005 to April 2008. This is an initiative started by the President of France to influence nations to protect and use their biological resources in a manner that will ensure sustainability. The committee is made up of very prominent international biologists. Recently, the committee published an article in Nature calling on mankind to ensure the halt in the loss of biological diversity.
8. Member, an international advisory committee in charge of planning the second and third meetings of the UNEP sponsored Inter-governmental Platform for Biodiversity and Ecosystem Services (IPBES) the third meeting due to be held in Busan, Korea from 7 to 11 June 2010. The successful outcome of this meeting empowered the UNEP Governing Board to recommend to the UN General Assembly for the establishment of IPBES as the pressure point for global biodiversity governance (cf. IPCC of Climate Change). I co-chaired the first meeting held in Kuala Lumpur, Malaysia in October 2008 with Dr Robert Watson, co-chaired during the second meeting held in Nairobi from 5 to 10 October 2009 and was the vice-chair during the third and last meeting held in Busan, Korea from 7 to 11 June 2010.
9. Participated in the first plenary of the newly established IPBES in January 2013 in Bonn, Germany. I acted as the interim chair of the bureau for the whole of the session when the substantive chair could not be elected until the closing session
10. Vice-Chair, Bureau of the Intergovernmental Platform for science-policy interface on Biodiversity and Ecosystem Services (IPBES) for a three year period till 2015. I was elected at the first plenary which was held in 2013 in Bonn, Germany.
11. Member, Scientific and Technical Advisory Panel (STAP) from 2003 to 2004 of the Millennium Ecosystem Assessment (MA). I contributed to the achievement of the world acclaimed assessment report on the world's resources.
12. Member, Board of the Millennium Ecosystem Assessment (MA). This board was the main authority responsible for the compilation of the assessment. As a follow-

up to the world reactions of the MA report, a seven (later increased to twelve) member scientific panel, which included me, met in Paris in January 2007 to plan series of actions for governments. Some of these led to the IMoSEB-MA joint negotiation under UNEP to identify and develop an appropriate international Science-policy interface, which is currently referred to as the Intergovernmental Panel on Biodiversity and Ecosystem Services (IPBES) and being negotiated by the UNEP Governing Board.

13. Member, Task Force for International Union of Forest Research Organisations (IUFRO) on forest indigenous knowledge in Africa. This is an on-going programme.
14. Vice-Chairman, Standing Committee of CITES from 2005 to 2008. The major assignment given to me was to chair a sub-committee of the SC in Ottawa, Canada in April 2006 to draft a strategic vision for this international inter-governmental environmental organisation as it braces itself towards challenges of the millennium from 2008 to 2013. The draft was agreed by the Standing Committee at its 54th meeting held in Geneva.
15. Member, Governing Council of the African Centre for Technology Studies (ACTS) Nairobi. My membership has been renewed for another 3-year term to December 2015. This Council co-ordinates technology policy studies, especially on the environment for Africa.
16. Member, International Advisory Committee for UNESCO Biosphere Reserves. I was invited to this committee by the Director-General of UNESCO for a three-year assignment which finished in January 2010.
17. Member, Scientific Council for the UN Convention on Migratory Species (CMS). In this position to which I was assigned in 2007, I have been the spokesperson for Africa on scientific advice needed to secure the migratory routes of migrating animals especially birds.
18. Vice Chair, Standing Committee, CMS, Bonn, Germany from 2009 to 2011
19. Chaired the Committee of the Whole (COW) of the 9th COP of CMS in which I also acted as Vice-Chair of the meeting.

20. Chairman, Standing Committee of CMS overseeing conduct of COP 11 in Quito, Ecuador. It was at this COP that some extensive review of the Convention took place including the establishment of the Sessional Committee of the Scientific Council.
21. Member, International Steering Committee for GEF project on Removing Barriers to Invasive Alien Species executed by CABI on behalf of 4 African Countries (Ethiopia, Ghana, Uganda and Zambia). My membership ended in August 2006.
22. Alternate Member (from 2003 to 2007), Council of the Global Environment Facility (GEF), Washington, representing 8 constituent members of Benin, Cote d'Ivoire, Ghana, Guinea,, Liberia, Nigeria, Sierra Leone and Togo .
23. Full Member (appointed from January 2008 for a 3-year period to the end of 2010), Council of the Global Environment Facility (GEF), Washington, representing 8 constituent members of Coastal West Africa.
24. Expert Member, Oversight Council for Vital Signs for a 2 year term to 2015. . Invited into this team because of my expertise on biodiversity and ecosystem services. Vital Signs is an integrated monitoring system for agriculture, ecosystem services and human well-being, administered by Conservation International, CSIR South Africa and the Earth Institute of Columbia University and supported with grants from the Bill and Melinda Gates Foundation.
25. Member, Advisory Board since December 2015 of the Wise-Up programme of the IUCN on effects of climate change on water availability within the Volta Basin in Burkina Faso and Ghana.
26. Elected in 2015 as Vice Chair and Member of Bureau of the Intergovernmental Platform on Biodiversity and Ecosystem Services (IPBES) for another 3 year term till 2018..

INTERNATIONAL ASSIGNMENTS

1. Represented Ghana at the 1st, 2nd, 5th, 6th, 7th, 8th, 9th, 10th, 11th, 12th, 13th and 14th Conference of the Parties (COP) of the Convention on Biological Diversity (CBD) (1994-2018)

2. Represented Ghana from the 4th to the 23rd meeting of the Subsidiary Body on Science Technical and Technological Advice (SBSTTA) of the Convention on Biological Diversity (1996 to 2019)
3. Represented Ghana from the 1st to the 6th Plenary of the Intergovernmental Platform on Biodiversity and Ecosystem Services (IPBES)

INTERNATIONAL EVALUATION EXPERIENCES

1. Evaluation of “African NGO-Government partnerships for sustainable biodiversity action project” RAS/97/G31 which was conducted in March 2003. The evaluation considered the Important Bird Areas as the new focus for biodiversity conservation and sustainable use
2. Evaluation of the Sida-Sarec funded African Forest Research Network (AFORNET) which has been coordinated from the African Academy of Sciences (AAS) based in Nairobi Kenya. This evaluation started in December 2006 and concluded in January 2007. The evaluation considered a number of parameters including gender and research diffusion into the participating countries in Africa south of the Sahara
3. Preparation of a feasibility report for the establishment of a regional Centre of Excellence for Biodiversity for the Albertine Rift to be located in Republic of Rwanda. This study was initiated by UNESCO East African Regional Office in Nairobi between August 2008 and April 2009
4. Undertook an e-consultancy for the Agricultural Biodiversity Initiative in Africa (ABIA) conference at the 2010 FARA General Assembly in Ouagadougou, Burkina Faso
5. Evaluation of the Sida funded African Forest Forum (AFF) based in Nairobi at the ICRAF World Agroforestry Centre from January to May 2011.
6. Evaluation of the Sida funded African Forest Forum (AFF) based in Nairobi at the ICRAF World Agroforestry Centre from June to August 2014

NATIONAL EXPERIENCES:

1. Chairman, Management Board Water Research Institute of the Council for Scientific and Industrial Research, Ghana (CSIR), 1999 to August 2006
2. Chairman, Management Board Forestry Research Institute of Ghana (CSIR), 1999 to 2006
3. Chairman, Management Board Soil Research Institute (CSIR), 1999 to 2006
4. Chairman, Management Board Plant Genetic Resources Centre, Bunso (CSIR), 1999 to 2006
5. Chairman, Board of Governors, WBM Zion Secondary School, Tafo 1994 to 1999, and again from 2009 to date
6. Member, Council of the College of Health Sciences of the University of Ghana, 1999 to 2006
7. President, Ghana Institute of Biology, 2000 to date
8. Chairman, Board of Governors, West Africa Secondary School, Accra, 1998 to 2007
9. Member, Research Committee of the Centre for Scientific Research into Plant Medicine (CSRPM), a research agency of the Ministry of Health, Ghana 1999 to date
10. Chairman, Research Committee of CSRPM from 2005 to 2011
11. Chairman, Natural Sciences Committee, UNESCO Commission, Ghana, 1998 to 2009
12. Chairman, National Bioethics Committee, UNESCO Commission, Ghana, 2009 to date
13. Member, Management Board, Environmental Protection Agency, Ghana, 2000 to December 2008
14. Member, Board of Trustees, Ghana Ethno-medical Foundation, 1995 to 2001,
15. Member, National Environmental Sanitation Policy Co-coordinating Council of the Ministry of Local Government and Rural Development, 1998 to 2001
16. Member, Ghana National Biodiversity Committee of the Ministry of Environment Science, Technology and Innovation, 1993 to date
17. Chairman, Ghana National Biodiversity Committee of the Ministry of Environment, Science, Technology and Innovation, 1993 to date

18. Member, Ghana National Bio-safety in Biotechnology Committee, 2001 to date
19. Member, Governing Council of the Centre for Remote Sensing and Geographic Information services (CERSGIS) of the University of Ghana, representing the Environmental Protection Agency, 2000 to 2009.
20. Member and later Chairman, Scholarships Review Committee of the Ghana Government Scholarships Secretariat, 1999 to 2009.
21. Member, Council of the Centre for Scientific Research into Plant Medicine. 2001 to December 2008.
22. Chairman, Cocoa Research Institute Management Committee, 2009 to 2014
23. Chairman, Project Advisory Committee, EU-Tropenbos Project on Chainsaw Operations in Ghana, 2009 to March 2016
24. Chairman, Board of Tropenbos Ghana, December 2016 to date

ACADEMIC AWARDS AND OTHER HONOURS

- ◆ UNESCO Scholar to Edinburgh University 1969-1970
- ◆ Ghana Government Scholar to Edinburgh University 1970-1972
- ◆ UNESCO Scholar to British Council course on Resources in Higher Education, London July to December 1975
- ◆ Swedish Institute (SI) Fellowship for a 6-month research at the Dept. of Ecological Botany, Uppsala University, Sweden, July to December 1991
- ◆ Elected Fellow of the Linnaean Society of London (FLS) 1972
- ◆ Elected Fellow of the Ghana Institute of Biology March 1995
- ◆ Recipient of the Midori Prize for Biodiversity 2014
- ◆ Elected Fellow of the Ghana Academy of Arts and Sciences (FGA) October 2017

PUBLICATIONS

A. Commissioned Research Reports

1. Dorm-Adzobu, C., Agyepong, G.T., Amoako-Nuama, C.E., Oduro, W., **Oteng-Yeboah, A.A.** and A. Sackey (1991) Ghana Biodiversity Review, USAID, Ghana
2. **Oteng-Yeboah, A.A.** and L. Enu-Kwesi (1993) Ecological, Ethnobotanical, Physiological and Eco-physiological investigations into three traditional groves in Northern Ghana: A baseline study report, UNESCO-CIPSEG PROJECT 507/GHA/40 November 1993, 133pp.
3. **Oteng-Yeboah, A.A.** and L. Enu-Kwesi (1995) Ethnobotanical, Eco-physiological, Natural Regeneration and Species Enrichment Studies and the Development of Guidelines and framework for a Biosphere Reserve of the CIPSEG Project Locations, UNESCO-CIPSEG PROJECT 507/GHA/40, 28 February 1995, 18pp.
4. **Oteng-Yeboah, A.A.** (1994) Detailed Baseline Studies of Muni-Pomadze Ramsar site: Plant Ecology, Ghana Coastal Wetlands Management Project, GW/A.285/SF.2/34, May 1994, 51 pp.
5. **Oteng-Yeboah, A.A.** (1994) Takoradi Thermal Generating Plant: Terrestrial Ecological Survey Report, VRA, Eng. 033.08/94/567, September 1994, 37pp.
6. **Oteng-Yeboah, A.A.** (1994) National Biodiversity Country Study: Botany, Ministry of Environment, Science and Technology, MEV/SCR/042, 30 September 1994, 143 pp.
7. **Oteng-Yeboah, A.A.** (1994) Detailed Baseline Studies of Sakumo Ramsar site: Plant Ecology, Ghana Coastal Wetlands Management Project, GW/A.285/SF.2/34, October 1994, 45pp.
8. **Oteng-Yeboah, A.A.** (1994) Detailed Base-line Studies of Densu Delta Ramsar site: Plant Ecology, Ghana Coastal Wetlands Management Project, GW/A.285/SF.2/34, November 1994, 54pp.
9. **Oteng-Yeboah, A.A.** and L. Enu-Kwesi (1995) Guidelines for elucidating participatory approaches to Buffer Zone development, strategies of using useful plants in the defined ecosystem, UNESCO-CIPSEG PROJECT 507/GHA/40, November 1995, 63 pp.
10. **Oteng-Yeboah, A.A.** and L. Enu-Kwesi (1996) Plant Diversity Survey and other studies on Bia National Park, BRAAF Project Ghana MAB, October 1996, 58pp.
11. **Oteng-Yeboah, A.A.** (1996) Inventorial Studies of Bia National Park, Ghana, prepared for the National Geographic Society, Washington, USA, November 1996, 88pp.
12. **Oteng-Yeboah, A.A.** and R.K. Bamfo (1996) Ghana Biodiversity Data Management Institutional Survey. 87pp. Ministry of Environment, Science & Technology.
13. **Oteng-Yeboah, A.A.** (1997) Tano Power Project: Terrestrial Ecological Survey report of project site and transmission corridors. 63pp. + 9 maps and plates. Ghana National Petroleum Corporation.
14. **Oteng-Yeboah, A.A.** (1998) Wetlands Floral Diversity Ghana Coastal Wetlands Management Project, Ghana Wildlife Department, June 1998, 91pp.
15. **Oteng-Yeboah, A.A.** (1999) Development of a Management Plan for the Densu Delta Ramsar Site, Ghana Coastal Management Project, GET TF 28619 GH, Wildlife Division of Forestry Commission, Ministry of Lands and Forestry, December 1999, 82pp.

16. **Oteng-Yeboah, A.A.**; E.O. Afreh; C. Dei Amoah and R.K. Bamfo; (2001). Mining in Forest Reserves in Ghana: a report of a 4-member Technical Committee visit to 5 forest Reserves. Forestry Commission Accra, Ghana

B. Some Publications in refereed journals

1. **Oteng-Yeboah, A.A.** (1974). Four New Genera in Cyperaceae-Cyperoideae. *Notes of the Royal Botanic Garden, Edinburgh*, 33:307-310
2. **Oteng-Yeboah, A.A.** (1974). Taxonomic Studies in Cyperaceae-Cyperoideae *Notes R.B.G. Edinburgh* 33:311-316.
3. **Oteng-Yeboah, A.A.** (1975). Morphology, Anatomy and Taxonomy of the genus *Remirea* Aub. *Boissiera* 24:197-205.
4. **Oteng-Yeboah, A.A.**(1977). Some observations on the Genus *Ascolepis* Nees, *Notes R.B.G. Edinburgh* 33:399—397
5. **Oteng-Yeboah, A.A.**(1977). Observations on *Blysmus* Panz. Ex Schulz and *Blysmopsis* OtengYeboah, *Notes R.B.G. Edinburgh* 35:391-406.
6. **Oteng-Yeboah, A.A.** and Garba, I.S. (1983). The occurrence of Parasitic Mistletoes on *Azadirachta indica* (neem) in Sokoto Metropolis. *Nigerian Journal of Science and Technology* 1:103-108.
7. **Oteng-Yeboah, A.A.**(1985). Ecological survey of Plant Communities in the Sokoto Savanna vegetation: I. Floristic and Life form Composition *Biologia Africana* 2 67-78.
8. **Oteng-Yeboah, A.A.**(1985).Ecological survey of Plant communities in Sokoto Savanna vegetation: II. Structure and Ordination. *Biologia Africana* 2: 79-94.
9. **Oteng-Yeboah, A.A.**(1986). Check list of farm weeds in Sokoto State. *Nigerian Journal of Basic and Applied Sciences* 1:83-86.
10. **Oteng-Yeboah, A.A.** and B.L. Aliero(1986)Ecology of farm weeds in Sokoto. I: Characteristic species of the University farm. *Nigerian Journ. of Basic and Applied Sciences* 1:15-28
11. **Oteng-Yeboah, A.A.** and B.L. Aliero (1987). Ecology of farm weeds in Sokoto. II: Estimate of weed seed bank in the soil. *Nigerian Journal of Basic and Applied Sciences* 1 (2): 211-223.
12. **Oteng-Yeboah, A.A.** and B.L. Aliero (1988). Ecology of farm weeds of Sokoto III: Seed weight and its relation to germination. *Nigerian Journal of Basic and Applied Sciences* 2: 20-25.
13. **Oteng-Yeboah, A.A.** and J.M. Wright (1988). A species complex situation in *Costus* in West Africa. *Biologia Africana* 3 76-93.
14. Addae-Mensah I., Asomaning W.A., **Oteng-Yeboah, A.A.**, Garneau, FX, Gagnon H., Jean, F.I., Mouda-Chiron, M. and Koumaglo, K.H. (1996) E-Anethole as a major essential oil constituent of *Clausena anisata*. *Journ. Essent. Oil Res.* 8: 513-516
15. **Oteng-Yeboah, A.A.**(1999) Mining Operations, Habitat loss and Biodiversity in Ghana. *Journal of the Ghana Science Association* Vol. 2(1):10-18.
16. **Oteng-Yeboah, A.A.**(1999) Biodiversity Studies in three Coastal Wetlands in Ghana, West Africa. *Journal of the Ghana Science Association* Vol. (3):147-149

17. Alex Asase, **Alfred A. Oteng-Yeboah**, George T.Odamtten and S.J.Simmonds (2005) Ethnobotanical Study of some Ghanaian anti-malarial plants. *Journal of Ethnopharmacology*, Vol. 99 issue 2 pp.273-279
18. Alex Asase and **Alfred A. Oteng-Yeboah** (2005) An ethnobotanical study of plant uses in Wechiau Community Hippopotamus Sanctuary, Ghana. *XVII International Botanical Congress Book of Abstracts No. 6.17.4* page 109
19. Alex Asase, **Alfred A. Oteng-Yeboah**, George T. Odamtten and S.J. Simmonds (2006) Anti-malarial properties of four selected ethnobotanicals from Ghana. *Legon Journal of Science*, Vol.1 issue 1:55-58
20. Michel Loreau, **Alfred Oteng-Yeboah**, M.T.K Arroyo, D. Babin, R. Barbault, M. Donoghue, M. Gadgil, C. Hauser, C. Heip, A. Larigauderie, K.Ma, G. Mace, H.A. Mooney, C. Perrings, P.Raven, J. Sarukhan, P. Schei, R.J. Scholes and R.T. Watson (2006). Diversity without representation. Commentary in *Nature* vol. 442: 245-246, 20 July 2006
21. Asase, A., and **Oteng-Yeboah, A. A.**, 2007. Assessment of plant biodiversity in Wechiau Community Hippopotamus Sanctuary in Ghana. *Journal of Botanical Research Institute of Texas* 1(1) 549-556
22. **Oteng-Yeboah, A.A.** (2008). Using effective Policy and Research Tools for Human Behavioural Change. *A Future of Planet Earth Seminar Proceedings pp 107-112, June 3-5, Paris, France.* Foundation for the Future and UNESCO Division of Ecological and Earth Sciences publication.
23. Asase, A., Kokubun T., Grayer, R.J., Kite, G., Simmonds' M.S.J., **Oteng-Yeboah, A. A.**, and Odamtten, G. T., 2008. Chemical constituents and antimicrobial activity of some medicinal plants from Ghana; *Cassia sieberiana*, *Haematostaphis barteri*, *Mitragyna inermis* and *Pseudocedrela kotschyi*. *Phytotherapy Research* 22: 1013- 1016
24. Asase, A., **Oteng-Yeboah, A. A.**, and Simmonds, S. J. M., 2009. Species of plants used in Wechiau Community Hippopotamus Sanctuary in northern Ghana. *Economic Botany*. In preparation
25. Asase, A., Grayer, R. J., Kite, G., Simmonds' M.S.J., **Oteng-Yeboah, A. A.**, and Odamtten, G. T., 2009. Antifeedant activity of some traditionally used medicinal plants in Ghana against *Spodoptera littoralis* (Boisduval) Lepidoptera. *Journal of Tropical Science*. Accepted
26. Stephen R. Carpenter, Harold A. Mooney, John Agard, Doris Capistrano, Ruth S. DeFries, Sandra Diaz, Thomas Dietz, Anantha K. Duraiappah, **Alfred Oteng-Yeboah**, Henrique Miguel Pereira, Charles Perrings, Walter V. Reid, Jose Sarukhan, Robert J.Scholes and Anne Whyte (2009). Science for managing ecosystem services: Beyond the Millennium Ecosystem Assessment. *PNAS Vol 106 (5): 1305-1312*
27. Parrotta, J.A., R.L. Trosper, M. Agnoletti, V. Bocharnikov, S. Feary, M. Gabay, C. Gamborg, J. Garcia Latorre, A. Laletin, Lim Hin Fui, L. Jinlong, **A. Oteng-Yeboah**, M. Pinedo-Vasquez, R.S. Ramakrishnana, Y. Yeo-Chang (2012) Traditional Knowledge contributes to sustaining forests and biocultural diversity. *Bois et Foret Des Tropiques* No. 312 (2) Editorial 1-7
28. **Oteng-Yeboah, A.**, D. Mutta, D. Byarugaba, W.A.Mala (2012) Africa. in Parrotta JA and RL Trosper ed. *Traditional Forest –Related Knowledge* pp. 37-78. Springer, IUFRO and The Christensen Fund

29. **Oteng-Yeboah, A.A.** (2012) A consideration of the critical environmental concerns in mining and other extractive industries in Ghana. *2nd UMAT Biennial International Mining and Mineral Conference*, pp. 5-8. University of Mines and Technology, Tarkwa, Ghana
30. Asase, A and **A.A.Oteng-Yeboah** (2012). Plants used in Wechiau Community Hippopotamus Sanctuary in Northwest Ghana. *Ethnobotany Research and Applications* **10: 605-618**
31. Essilfie, MK. And **A.A. Oteng-Yeboah** 2012 Preliminary taxonomic and ecological studies on vegetative and floral phenology and soil composition of *Clausena anisata* (Willd.) Hook. f. ex. Benth. (Rutaceae) found in coastal savanna locations of Ghana. *Ghana Journal of Science* 52: 31-39
32. Essilfie, MK and **A.A. Oteng-Yeboah** .2013. Morphometric studies of *Clausena anisata* (Willd.) Hook. f. ex. Benth. In coastal savanna zone of Ghana. *West African Journal of Applied Ecology*. Vol 21: 1-23

C. Edited Conference proceedings

33. **Oteng-Yeboah, A.A.**(1991). Plant taxonomy A neglected science in the third world. In: David Wilson (ed.), *Proceedings of the 17th Biennial Conference of the Ghana Science Association* pp. 113-117, UST Kumasi, Ghana
34. **Oteng-Yeboah, A.A.**(1992). Knowing Ghana's biodiversity: the first step in conservation, preservation and reservation practices. In: E. Laing *et al* (eds.) *Proceedings of the Workshop on Biodiversity*, pp.25-30, Botany Dept., Legon and GTZ Ghana.
35. **Oteng-Yeboah, A.A.**(1995) Inventory needs in Ghana. In: *Final Compendium for a practical workshop on Biodiversity prospecting for Cameroon, Madagascar and Ghana, April 24 - May 2*, INBio, USAID, and BDCP.
36. L. Enu-Kwesi, **A.A. Oteng-Yeboah**, J.K. Adomako and D.K. Abbiw (1996) Effects of logging and biodiversity in selected High Forest Ecosystems in Ghana. In: Oteng-Yeboah, A.A. and Enu-Kwesi (eds.) *Proceedings of Workshop on Biodiversity*. pp. 19-24, Dept. of Botany, Legon.
37. **Oteng-Yeboah, A.A.**, L. Enu-Kwesi, D.K. Abbiw and J.K. Adomako (1996). Effect of gathering and collection of some non-timber forest products on biological diversity in Ghana. In: Oteng-Yeboah A.A. and L. Enu-Kwesi (eds.) *Proceedings of Workshop on Biodiversity*, pp. 13-18, Dept. of Botany, Legon.
38. **Oteng-Yeboah, A.A.** (1999) Ex situ conservation of indigenous Ghanaian Plant Biodiversity. *8th Faculty of Science Colloquium 12-13 June 1997*. Faculty of Science University of Ghana, Legon pp. 40-45
39. **Oteng-Yeboah, A. A.** (2009). The EU Biodiversity footprint in developing countries. Presented at the *EU Conference on 'Biodiversity protection beyond 2010: priorities and options for future EU policy'*, Athens, Greece, 26-28 April
40. **Oteng-Yeboah, A. A.** (2010). The Bioethics Debate: which lessons for Ghana? In Ghana and UNESCO, Ghana National Commission for UNESCO Information Magazine No.2: 77-85

D. Books /Chapters in Books

1. **Oteng-Yeboah, A.A.** with KitTan (1986) Cyperaceae-Cyperoideae in Turkey. In PH.Davis edit. *Flora of Turkey* , Vol. 9:32-72, Edinburgh University Press
2. “General taxonomic concepts for Africa” manuscript in preparation
Approximately 145pp. in full scap.
3. **Oteng-Yeboah, A.A.** and J.M. Wright (1990). In :M.S. Patel and S. Nokoe edit. *Biometry for Development* pp. 151-166 ICIPE Science Press Nairobi.
4. **Oteng-Yeboah, A.A.**, Abbiw, DK. And L. Enu-Kwesi (1994). Biodiversity Studies in Bia National Park, Ghana: issues of concern in African forestry conservation and development. In: N’geny Mengech (eds.) *Supporting Capacity Building in Forestry Research in Africa*, pp. 241-257, African Academy of Sciences and International Foundation for Science.
5. **Oteng-Yeboah, A.A.**(1994). DNA Bank Depositories in Developing Countries: the way forward. In: R.P. Adams *et al* (eds.) *Conservation of Plant Genes II: Utilization of Ancient and Modern DNA* pp. 173-186, Missouri Botanical Garden, St. Louis, Missouri, USA.
6. **Oteng-Yeboah, A.A.**(1995). Biodiversity Assessment of forest tree species in Bia National Park, Ghana. In: T.J.B. Boyle and B. Boonawe (eds.) Biodiversity Assessment of forest tree species in Bia National Park, Ghana, in T.J.B. Boyle and B. Boonawe (eds.) *Measuring and Monitoring Biodiversity in Tropical and Temperate Forests*, pp. 247-256, CIFOR, IUFRO.
7. **Oteng-Yeboah, A.A.**(1996). Biodiversity in three traditional groves in the Guinea Savanna, Ghana. In: L.J.G. van der Maesen *et al* (eds.) *The Biodiversity of African Plants*, pp. 188-197, Kluwer Academic Publishers, Dordrecht, London
8. Gbedemah C.M. and **A.A. Oteng-Yeboah** (1997) status and trends of biotechnology and biosafety in Ghana. In: K.J. Mulongoy (ed.) *Biosafety Needs and Priority Actions for West and Central Africa* pp. 31-34, International Academy of the Environment IAE, Geneva, Switzerland
9. **Oteng-Yeboah, A.A.** (1999) A survey of plant uses in three traditional groves in the Guinea Savanna Zone of northern Ghana, In: J. Timberlake and S. Kativu (ed.) *African plants: Biodiversity, taxonomy and uses* pp. 471-482, Royal Botanic Gardens, Kew.
10. **Oteng-Yeboah, A.A.** (1998) Research and training needs in conservation approaches in Africa. In: Robert L. Adams and Janice E. Adams (ed.) *Conservation of Plant Genes III: Conservation and Utilization of African Plants* pp. 199-208, Missouri Botanical Garden Press, St. Louis, Missouri, USA.

11. **Oteng-Yeboah, A.A.** (1998) Why the emphasis on Conservation of Biological Diversity in the Gulf of Guinea, In :A. Chidi Ibe, A.A. Oteng-Yeboah, S.G. Zabi and D. Afolabi (ed.) *Integrated Environmental and Living Resources Management in the Gulf of Guinea: the Large Marine Ecosystem approach* pp. 143-146, UNIDO/ UNDP/NOAA/UNEP.
12. **Oteng-Yeboah, A.A.** (1999) A survey of plant uses in three traditional groves in the Guinea Savanna Zone of northern Ghana, In: J. Timberlake and S. Kativu (ed.) *African plants: Biodiversity, taxonomy and uses* pp. 471-482, Royal Botanic Gardens, Kew.
13. Mshana, N.R.; Abbiw, D.K.; Addae-Mensah, I.; Adjanouhoun, E.; Ahyi, M.R.A.; Ekpere, J.A.; Enow-Orock, E.G.; Gbile, Z.O.; Noamesi, G.K.; Odei, M.A.; Odunlami, H.; **Oteng-Yeboah, A.A.**; Sarpong, K.; Sofowora, A. and Tackie, A.N. (2000). *Traditional Medicine and Pharmacopoeia: Contribution to the Revision of Ethnobotanical and Floristic Studies in Ghana*, 920pp. OAU/STRC Lagos
13. **Oteng-Yeboah, A. A.** (2007) in Gyasi, E.A., Kranjac-Berisavljevic, G., Blay, E.T and Oduro, W. eds. *Managing Agrobiodiversity the traditional way: Lessons from West Africa in sustainable use of biodiversity and related natural resources*. The philosophical foundations of biophysical resources. United Nations University Press, Tokyo, Japan
14. **Oteng-Yeboah, A.A.**, Kwapong, P., Cobblah, M.A., Smith, R. and Lyal, C.H.C (2010) Assessing Taxonomic Needs in Ghana. CSIR-Ghana, Natural History Museum and Bionet-INTERNATIONAL.

An undertaking

I, Alfred A. Oteng-Yeboah from Ghana, do make this undertaking to affirm my acceptance, if considered and selected, as a COP Appointed Councilor for the area of Terrestrial Mammals.

Sincerely,

A handwritten signature in blue ink, appearing to read 'Alfred A. Oteng-Yeboah', with a large loop at the beginning and a flourish at the end.

Prof Alfred A. Oteng-Yeboah

Prof Alfred A. Oteng-Yeboah

The following are some of the highlights of the nomination of **Prof Alfred A. Oteng-Yeboah** as COP Appointed Councillor for the subject area of Terrestrial. Apart from having been a keen supporter of migratory species conservation, he has eloquently espoused the virtues in bending the curve in the global trends of biodiversity loss.

1. He was the Vice-Chairman, Standing Committee of CITES from 2005 to 2008 and the major assignment given to him was to chair a sub-committee of the Standing Committee in Ottawa, Canada in April 2006 to draft a strategic vision for this international inter-governmental environmental organisation as it braces itself towards challenges of the millennium from 2008 to 2013. The draft was agreed by the Standing Committee at its 54th meeting held in Geneva.
2. He was a member of the Scientific Council for the UN Convention on Migratory Species (CMS). And in this position he became the spokesperson for Africa on scientific advice needed to secure the migratory routes of migrating animals especially birds.
3. He was the Vice Chair, Standing Committee of CMS, Bonn, Germany from 2009 to 2011. He also chaired the Committee of the Whole (COW) of the 9th COP of CMS for which he assumed the position of Vice-Chair of the meeting.
4. He became the Chairman of the Standing Committee of CMS overseeing the conduct of COP 11 in Quito, Ecuador. It was at this COP that some extensive review and restructuring of the Convention took place including the establishment of the Sessional Committee of the Scientific Council.
5. He was re-elected in 2015 as Vice Chair and Member of Bureau, representing Africa, of the Intergovernmental Platform on Biodiversity and Ecosystem Services (IPBES) for another 3 year term till 2018.
6. The CBD elected him as Co-Lead of the Open Working Group on the ongoing post 2020 Biodiversity Strategic Framework for the decade 2021 – 2030.

7. He chaired the 9th and 10th meeting of the Subsidiary Body on Scientific Technical and Technological Advice (SBSTTA) of the UN Convention on Biological Diversity (CBD). This period coincided with the WSSD and its Millennium Development Goals and the discussion on the 2010 specific biodiversity target and goals and the new strategic vision for the CBD to halt the loss of global biodiversity by 2010.
8. He successfully chaired many important contact groups of CBD, in particular on Forests (COP 5 Nairobi and COP 6 the Hague), on Protected Areas (COP 7 Kuala Lumpur), on Marine Areas beyond national jurisdiction and Global Taxonomy Initiative capacity building (COP 8, Curitiba, Brazil), on biofuels (SBSTTA 12, Rome), expanded programme on Protected Areas (COP 9, Bonn) and Satoyama Initiative as useful tool in the expanded work programme on sustainable use (COP 10, Nagoya, Japan) and Capacity Building (COP 13, Cancun, Mexico)
9. He acted as Co-chair for the International Mechanism of Scientific Expertise on Biodiversity (IMoSEB) from January 2005 to April 2008. This is an initiative started by the President of France to influence nations to protect and use their biological resources in a manner that will ensure sustainability. The committee published an article in Nature calling on mankind to ensure the halt in the loss of biological diversity.
10. He was a member of an international advisory committee in charge of planning the second and third meetings of the UNEP sponsored Inter-governmental Platform for Biodiversity and Ecosystem Services (IPBES) the third meeting due to be held in Busan, Korea from 7 to 11 June 2010. The successful outcome of this meeting empowered the UNEP Governing Board to recommend to the UN General Assembly for the establishment of IPBES as the pressure point for global biodiversity governance (cf. IPCC of Climate Change). He co-chaired the first meeting held in Kuala Lumpur, Malaysia in October 2008 with Prof Robert Watson, co-chaired during the second meeting held in Nairobi from 5 to 10 October 2009 and was the vice-chair during the third and last meeting held in Busan, Korea from 7 to 11 June 2010.

11. As Vice-Chair, Bureau of the Intergovernmental Platform for science-policy interface on Biodiversity and Ecosystem Services (IPBES) for a three year period till 2015, he was elected as the interim Chair of the first plenary which was held in 2013 in Bonn, Germany.

17 February 2020

To: Thirteenth Meeting of the Conference of the Parties to the Convention on Conservation of Migratory Species of Wild Animals
COP- Appointed Councillors Working Group

Considering the Notification 2019/22, which aims to seek nominations from Parties for the new COP-Appointed Councilor Subject Areas, we are supporting the candidature of Dr. Rodrigo Medellín for the COP- Appointed Councillor for Terrestrial Mammals Connectivity/Networks He worked as COP appointed councillor of the CMS for several years, advising countries in the context of CMS implementation issues such as concerted action.

We have to highlight that Rodrigo Medellín is an internationally recognized specialist expert, he has dedicated his life to the study and conservation of mammals in Mexico and other countries since young age. He is Senior Professor at the Institute of Ecology, UNAM, and has directed over 50 theses and dissertations and has produced over 200 publications on bats, jaguars, conservation issues, protected areas, migration corridors and more. just over the past 5 years he has produced 30 peer reviewed indexed papers.

Rodrigo has a passion teaching and forming new students; therefore, he has projects or students in 16 countries of four continents. His research contributes and orients policy and decision-making processes in conservation. His interests have led him to preside over international societies of conservation and study of mammals and to represent Mexico and North America in CITES (Convention on the International Trade of Endangered Species) and other international forums.

He was President of the Society for Conservation Biology (2013-2015). He was the first head of the Mexican Wildlife Department in 1995. For ten years he represented North America in CITES and has been advisor to the Mexican Federal Government on wildlife issues since 2000, constantly being an official member of the Mexican delegation to CITES meetings. Rodrigo is Co-Chair of the IUCN Bat Specialist Group and created the Latin American Bat Conservation Network (RELCOM). He has been associate editor for Conservation Biology, Journal of Mammalogy, ORYX, and Acta Chiropterologica. Since 2016 he is a member of the Board of

Review Editors of Science Magazine. Rodrigo has worked heavily on the connectivity conservation aspects of jaguars, bighorn sheep, pronghorn antelope, and other species, and migratory movements of bats in many countries of Latin America and Africa.

His experience and passion for conservation, resulted in several awards such as Mexico's National Conservation Award 2004, Rolex Award for Enterprise 2009, the Whitley Fund for Nature Gold Award 2012, and others. In 2014 BBC Natural World produced the multi-awarded film The Bat Man of Mexico (narrated by David Attenborough) covering Rodrigo's work on bats. His work is featured in the National Geographic Magazine of July 2018. In 2019 the National Geographic Society made Rodrigo the seventh Explorer-At-Large and the first one who is not from the U.S. or Europe.

Finally, I stand out that this postulation is also supported by different countries parties of the COP. With all said, and the attached CV where you can read in detail the capacity of the candidate.

We hope you will consider the postulation and accept dr. Medellin for this task, please, if you have any question or need further clarification, let me know

Enzo Aliaga Rossel PhD
Director General de Biodiversidad
Ministerio de Medio Ambiente y Agua
Estado Plurinacional de Bolivia
Phone:+591 72078977
Email: ealiagar@hotmail.com



INSTITUTO
DE ECOLOGIA
UNAM

DEPARTAMENTO DE
ECOLOGÍA DE LA
BIODIVERSIDAD

Mexico City, February 18th, 2020

Convention on Migratory Species
COP- Appointed Councillors Working Group

By this means, I would like to express my interest and readiness and availability to continue serving as COP- appointed councillor. I have worked on the conservation of migratory species for several decades and on connectivity issues affecting the conservation of many other species. Some groups I have worked on include jaguars, bobcats, tapir, bighorn sheep, pronghorn antelope, black bears, and of course bats of many species, in Mexico and other countries of Latin America and Africa.

My experience is enhanced by the fact that I have worked as COP appointed councillor of the CMS for several years, advising countries in the context of CMS implementation issues such as concerted action, I have worked closely with parties helping them develop listing proposals, and have been engaged with CITES, IPBES, and CBD in many capacities for 20 years. I also have hundreds of scientific publications and a broad network of professionals to tap for additional expertise.

I also bring regional and racial diversity, coming from Latin America. I remain interested in aiding the Convention as much as I can

Please do not hesitate to write or call in case you have additional questions or comments. Sincerely,

Rodrigo A. Medellín
Co-Chair, IUCN Bat Specialist Group
COP- Appointed Councillor, CMS
Senior Professor, Institute of Ecology, UNAM



Rodrigo Antonio Medellín Legorreta

CURRICULUM VITAE

September 20th, 2018

1. General data

- 1.1. Place and date of birth: México, D. F., Dec. 23, 1957
- 1.2. Nationality: Mexican
- 1.3. Gender: Male
- 1.4. Current job: Senior Professor of Ecology “C”
Instituto de Ecología, UNAM
Ap. Postal 70-275
C.P. 04510
México, D. F.
- 1.5. Membership in National System of Researchers Continuous since 1992. National Researcher level 3 since 2004
Area: Natural sciences
Discipline: Ecology
- 1.6. email and web page: medellin@icologia.unam.mx
www.ecologia.unam.mx/rmedellin/bats/index.htm
- 1.7. Publications: 208; in the last 5 years 34 peer reviewed, indexed papers. See point # 5 below.
- 1.8. H index and citations: H index: 39. Citations: 9,456

2. Academic training

- 2.1 Career studies:
Licenciatura
Place: Facultad de Ciencias, UNAM, México, D.F.
Period: 1980-1986
Degree obtained: Biólogo
- 2.2 Graduate studies:
Doctorate

Place: School of Forest Resources and Conservation, University of Florida, Gainesville, Florida, USA

Period: 1987-1992

Degree obtained: Doctor of Philosophy

3. Professional Experience

- a) Job description: Senior Professor "C" (top level) Instituto de Ecología, UNAM 2005-
- b) Sabbatical from January 2011- at the Arizona-Sonora Desert Museum and the University of Arizona, Tucson, Arizona.
- c) Director of Science and Conservation, Arizona-Sonora Desert Museum, Tucson, Arizona, Jan-Jul 2011.
- d) Sabbatical from August 2002-September 2003 in Columbia University (Department of Ecology, Evolution, and Environmental Biology (E3B) and Center for Environmental Research and Conservation, CERC), as Adjunct Senior Research Scientist.
- e) Job description: Full time Associate Professor "C" Instituto de Ecología, UNAM, 1993- 1997
- f) Job description: Full time Professor "A", Instituto de Ecología, UNAM, 1998-2001.
- g) Job description: Full time Professor "B", Instituto de Ecología, UNAM, 2001-2005
- h) Academic Director, Estación de Biología Tropical Chajul, UNAM/Conservation International México, 1989 to 2003.
- i) Director General of Wildlife, National Institute of Ecology (INE), Secretariat of the Environment, National Resources and Fisheries (SEMARNAP), January 1995 - December 1996
- j) Science Advisor to the Director General of Wildlife, INE, SEMARNAP, December 1996 to 2001, and 2004 to present.
- k) Technician responsible for wildlife management of the following Wildlife Production Units (UMAs):
 - a) Rancho El Sacrificio, Sonora (1997-1998)
 - b) Isla Tiburón, Comunidad Indígena Seri, Sonora (1997-2002)
 - c) Ejido El Desemboque, Comunidad Indígena Seri, Sonora (1997-2000)
- l) Job description: Field and curator assistant, Instituto de Biología, UNAM, 1977-1980.
- m) Job description: Mammal collector, Instituto de Biología, UNAM, and CONACyT, 1981 through 1986.
- n) Job description: Assistant Curator of Mammals (temporary job), Florida Museum of Natural History, May-August, 1987.
- o) Teaching:
 - i. **Professor**, module of Conservation Biology in the Master's program: Gestion, Acceso y Conservación de la Biodiversidad: El Marco Internacional for the Andalusia International University in Baeza, Spain, in 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2014, 2016, 2018

- ii. **Coordinating Profesor**, course “Diversity, Conservation, and Management of Mexican Wildlife”. This is a 4-semester-long undergraduate course, open to students at the School of Biology, Nacional University of Mexico. The first semester was 1999-2 and the last semester was 2001-2. Then the course was reopened at the direct request of students on the 2004-1 (August of 2003) semester and with duration of four semesters. The course has been opened at the request of students in the semester 2006-2, 2008-2, 2010-2, 2012-2, 2014-2, 2016-2, and 2018-2, each time lasting 4 semesters.
- iii. **Professor**, course: Conservation Biology, taught for Universidad de Costa Rica and Universidad Nacional Autónoma de México, UNAM, in Costa Rica. Open every two years: 2007, 2009, 2011, 2013, 2015, 2017, 2019.
- iv. **Professor**, course “Conservation Biology”, Graduate Program in Ecology, Instituto de Ecología, UNAM, since 1996, and open each year in the following semesters: 1997-1, 1998-1, 1999-1, 2000-1, 2001-1, 2002-1, 2005-1, 2006-1, 2007-1, 2008-1, 2009-1, 2010-1, 2011-1, 2012-1, 2013-1, 2014-1, 2015-1, 2016-1, 2017-1, 2018-1
- v. **Professor and coordinating instructor**, First course to decision makers of the states of Tamaulipas, Nuevo León and Coahuila, for the decentralization of the responsibilities of the Dirección General de Vida Silvestre (Direction of Wildlife). October 2005.
- vi. **Professor**, course “Topics in Conservation Biology”, Graduate Program in the Department of Ecology, Evolution, and Environmental Biology of Columbia University, from January to May, 2003. Co-taught with Dr. Eleanor Sterling of the American Museum of Natural History
- vii. **Professor**, course “Conservation Biology”, at the Undergraduate level of the Department of Ecology, Evolution, and Environmental Biology of Columbia University, from January to May, 2003. Co-taught with Drs. Rosemary Gnam and Sacha Spector of the American Museum of Natural History.
- viii. **Coordinating Instructor**, course: “Ecology and Conservation of Bats”. Universidad de Santa Cruz, Santa Cruz, Bolivia, May-June 2001.
- ix. **Professor**, course “Community Ecology, Patterns and Processes”, at the graduate level in the Institute of Ecology, UNAM, January to June, 1994.
- x. **Professor**, field course “Applied Ecology” graduate program of the Institute of Ecology, UNAM, summer 1994.
- xi. **Professor in Charge**, course “Tropical Ecology and Conservation Biology”, organized by Smithsonian Institution. Reserva de la Biosfera "Estación Biológica Beni", Depto. de Beni, Bolivia, July 1989.
- xii. **Teaching assistant**, course “Conservation Biology”, University of Florida, Gainesville, 1988. Instructor: Dr. John G. Robinson.

4. Leadership, academic groups, honorary appointments, society services, awards, and distinctions.

4.1 Leadership and formation of academic groups

a) Founder and Director of the Programa para la Conservación de los Murciélagos de México, formed by more than 20 researchers and professors of Mexico and the United States. The objectives of this program are to understand and analyze the ecology of migration, its origins and implications for conservation of bats. As director of this program, Dr. Medellín has been invited to Guatemala, Costa Rica, Venezuela, Bolivia and Chile, where this program is being adopted and adapted. This team continues to expand at a continental scale.

b) Founding member of the Steering Committee of the Mexican Long Term Ecological Research Network (MexLTER) with other eight researchers from the Instituto de Ecología, UNAM, Instituto de Biología, UNAM, Instituto de Ecología, A. C., Colegio de Postgraduados, y Universidad de Guadalajara.

c) Founding member of the North American Bat Conservation Partnership, a group including over 200 researchers specialized in the study of bats from Canada, the U. S., and Mexico. Since October 2000 he is the Mexico Working Group leader.

d) Serves since 2003 as Country Director for the Network of Conservation Educators and Practitioners, coordinated by the Center for Biodiversity Conservation of the American Museum of Natural History. This Network involves conservation professionals in over five countries in three continents and in Mexico it includes conservationists in four of the most relevant conservation institutions in Mexico.

e) Co-Chair of the IUCN Bat Specialist Group since 2004, reappointed in 2008 and 2012.

e) Founder and First Director of Relcom, the Latin American Bat Conservation Network, a multiple award-winning research, conservation, and education organization founded in 2007 to promote appreciation, recovery, and preservation of bats across Latin America and the Caribbean, currently including 18 countries.

4. 2 Honorary appointments and society services:

a) Elected member of the Board of Directors of the American Society of Mammalogists for a three-year period starting in June, 2018

b) 2018. The July issue of National Geographic Magazine features the work of Rodrigo on carnivorous bats in Mexico. Photographs by Anand Varma, text by Virginia Morell.

- c) 2018 National Geographic produced the documentary Giant Carnivorous Bats, featuring Rodrigo and his collaboration with the Nat Geo photographer Anand Varma working on the largest bats in the New World and their carnivorous habits
- d) 2015 appointed one of the 25 members of the MEP (Multidisciplinary Experts Panel) of IPBES (Intergovernmental Platform for Biodiversity and Ecosystem Services) MEP
- e) 2015 the documentary The Bat Man of Mexico (BBC, 2014) won the Award for Best Exploration Film, New York Wild Film Festival.
- f) 2014 the documentary The Bat Man of Mexico (BBC, 2014) won Best People and Wildlife Film Award of the Wildscreen Festival, Bristol, UK
- g) 2013 BBC produced the documentary The Bat Man of Mexico, narrating the life and work of Rodrigo and the bats. Narrated by Sir David Attenborough
- h) Elected member of the Board of Directors of the American Society of Mammalogists for a three-year period starting in June, 2013
- i) President of the Society for Conservation Biology 2013-2015. First president NOT from Europe or the U.S. in SCB's history.
- j) Invited Member of the Board of Directors of the Luc Hoffman Institute, World Wildlife Fund, Gland, Switzerland, since January 2013.
- k) Elected Scientific Councilor of the Convention for Migratory Species (CMS) of the United Nations Environment Programme by the Tenth Conference of the Parties (COP10) in Bergen, Norway, on November 22nd, 2011.
- l) President Elect of the Society for Conservation Biology (8,000 members, publishing the journals Conservation Biology and Conservation Letters), for the period 2011-2013.
- m) Designated Co-Chair of the IUCN Bat Specialist Group in 2004, reappointed 2008 and again in 2012.
- n) Created and led the Committee of Science and Conservation of the Arizona-Sonora Desert Museum, Tucson, Arizona, during his sabbatical at that institution where he was designated Director of Science and Conservation in 2011. He also created the Sonoran Desert Conservation Award that was given for the first time to Chuck Huckleberry in November of 2011.
- o) In October 2010 he was designated Ambassador of the Year of the Bat by the Secretary General of the Convention of Migratory Species (CMS), Elizabeth Maruma Mrema, and by the Executive Secretary of the EUROBATs agreement.
- p) Appointed Chair of the Awards Committee of the Society for Conservation Biology in July 2008. Served since then as a member of the Board of Governors of the same Society.

- q) Re-elected for a third term as Representative of North America and Vice-Chair of the Animals Committee of CITES (Convention on International Trade in Endangered Species of Wild Fauna and Flora) in June of 2007 and until 2010.
- r) Elected President of the Austral and Neotropical America Section of the Society for Conservation Biology in April, 2005. As such, he was a member of the Board of Governors of the same Society.
- s) Member (by invitation) of the Scientific Advisory Committee of the La Selva Biological Station, Costa Rica, Organization for Tropical Studies since August 2005.
- t) Member (by invitation) of the Committee on Status of Pollinators of North America, National Academy of Sciences, Washington, D. C., since February 2005.
- u) Head of the Department of Ecology and Biodiversity, Instituto de Ecología, UNAM, 2004-2007.
- v) Elected Councilor Representative of the Faculty members of the Institute of Ecology, UNAM, before the Academic Council of Biological and Health Sciences (CAABYS) of the National University of Mexico in May, 2004
- w) Appointed Mexico Representative before the Animals Committee, CITES (Convention on International Trade on Endangered Species) in August 2000 to 2007.
- x) Appointed Representative of the México group before the North American Bat Conservation Partnership (NABCP) in November 2000.
- y) Elected Vice-Chair and Representative of North America for the CITES Animals Committee in 2001 and re-elected to the same positions in 2004.
- z) Member of the United Nations' Millennium Project Task Force (Environmental Sustainability), coordinated by Don J. Melnick, Yolanda Kakabadse, and Jeffrey Sachs (Columbia University), 2002 to 2005.
- aa) Director General of the Program for Conservation of Mexican Bats (PCMM), Instituto de Ecología, UNAM since 1994
- bb) Elected member of the Board of Directors, American Society of Mammalogists, 1998-2001, re-elected for the period 2001-2004, and re-elected for the period 2005-2008.
- cc) Member (by invitation) of the Awards Committee of the Society for Conservation Biology since 2003.
- dd) Appointed Research Associate of the Arizona-Sonora Desert Museum in May, 2002.
- ee) Chair of the International Relations Committee, American Society of Mammalogists, for the period 1997-2000 and reappointed for the period 2001-2003.

- ff) Chair of the Latin American Awards Committee, American Society of Mammalogists, for the period 1997-2000, reappointed for the period 2001-2003, and reappointed for the period 2004-2007.
- gg) President, Mexican Society of Mammalogists, for the period 1997-1999.
- hh) Chairman of the Organizing Committee, Seventh International Theriological Congress, Acapulco, Mexico, September, 1997.
- ii) Member (by invitation) to the Scientific Advisory Board of Bat Conservation International since 1996.
- jj) Member (by invitation) of the Education and Graduate Students Committee, American Society of Mammalogists, 1986 to 1989.
- kk) Member of the Organizing Committee, International Symposium on Latin American Mammalogy, Cancún, Quintana Roo, June 28 to 30, 1987.
- ll) Member (by invitation) of the Chiroptera Specialists Group, International Union for the Conservation of Nature (IUCN), since March, 1988.
- mm) Field coordinator, Program for Studies in Tropical Conservation, University of Florida, appointed by John Robinson in July, 1987 to 1991.
- nn) Member (by invitation) of the Rodent Specialists Group, International Union for the Conservation of Nature (IUCN), since March, 1988.
- oo) Member (by invitation) of the Steering Committee, International Theriological Congress, 1993 to 2008.
- pp) Member (by invitation) of the International Relations Committee, American Society of Mammalogists, 1994-1997
- qq) Member (by invitation) of the Latin American Student Award, American Society of Mammalogists since 1994-1997.
- rr) Member of the first Board of Directors, as Executive Secretary, of the Mexican Mammal Society, 1983 to 1986.
- ss) Technician responsible of wildlife management units (UMAs):
 - a. Rancho El Sacrificio, Sonora (1997 to 1998).
 - b. Isla Tiburón, Comunidad Indígena Seri (since 1997).
 - c. Ejido El Desemboque, Comunidad Indígena Seri, Sonora (1997-2000).
- tt) Member of the Technical Advisory Council to the Montes Azules Biosphere Reserve since its formation in April, 1994.
- uu) Member of the Technical Advisory Council to the El Triunfo Biosphere Reserve since its formation in April, 1994.
- vv) Director of the Chajul Tropical Biology Station, UNAM SEMARNAT, 1989-1993 and 1994-2002.

4.3 Awards and Distinctions:

In 2015 he was appointed one of 25 members of the IPBES (Intergovernmental Platform for Biodiversity and Ecosystem Services) MEP (Multidisciplinary Experts Panel)

In 2015 BBC's documentary The Bat Man of Mexico won the Award for Best Exploration Film of the New York Wild Film Festival.

In 2014 BBC's documentary The Bat Man of Mexico won the Award for Best People and Wildlife Film of the Wildscreen Festival of Bristol, UK

In 2013 London's BBC produced the 1-hour long Documentary The Bat Man of Mexico, that tells the story of Rodrigo's life and work on bats

In 2013 he became President of that society for two years (2013-2015). He is the first President of this society who is not from the United States or Europe.

In October 2012 he was voted one of the top 50 individuals Moving Mexico Forward (Quien50) by the Expansion Corporate Group. Revista Quien.

<http://www.quien.com/espectaculos/2012/11/19/rodrigo-medellin>

In October 2012 he received the Pollinator Advocate of the Year Award from the North American Pollinator Protection Campaign

In May 2012 he received the Whitley Gold Award, the first Gold Award given as such, from the hands of Princess Ann of England. Rodrigo is the first person in the world to receive two Whitley Awards. The Whitley Awards are often called the "Green Oscars".

<http://www.youtube.com/watch?v=3-TaEyO09ss>

In April 2011 Rodrigo, as President of the NGO BIOCONCIENCIA, received the 2010 BBVA Award for Biodiversity Conservation in Latin America. This is the largest cash award and one of the most highly regarded given to an institution in favor of its work to protect biological diversity, and includes a cash prize of € 250,000 (some \$ 400,000 USD) towards the project.

<http://www.efeverde.com/contenidos/mediateca/fototeca/30-marzo-2011-23-59-00-premios-fundacion-bbva-a-la-conservacion-de-la-biodiversidad-biocom>

In January 2009 he received the 2008 Rolex Associate Award for Enterprise. Given by Rolex after a world-wide selection. Rodrigo is only the third Mexican in over 30 years that the award has been given. In 2008, over 400 people participated and only 10 were selected. Rodrigo was chosen because of his 14-year-old on going bat conservation and research project. The award includes a Rolex watch and \$ 50,000 U.S. dlls.

<http://www.rolex.com/en#/world-of-rolex/philanthropy/awards-for-enterprise/rodrigo-medellin>

<http://rolexawards.com/en/the-laureates/rodrigomedellin-home.jsp>

In March 2009 he received the 2008 Volkswagen "For the Love of the Planet". This award is given once a year by Volkswagen Mexico to a researcher or group of researchers whose primary work is on protected areas of Mexico. I was selected for my work on bighorn sheep, pronghorn antelope, jaguar, and certainly bat research for conservation in over 12 major protected areas of Mexico, plus the work I am currently doing for the creation of new protected areas to benefit large bat populations. The award comes with a \$ 50,000 U.S. dlls. cash prize towards the projects.

http://www.poramoralplaneta.com.mx/noticias/noticias_2008/noticias_2008.htm

2007 Outstanding Alumnus Award. Given by the Department of Wildlife Ecology and Conservation of the University of Florida. Rodrigo is the first recipient of this award, “in recognition of outstanding contributions to the field of wildlife ecology and to the conservation of wildlife in Mexico”.

2007 Conservation Scientist of the Year. Given by Wildlife Trust in New York City. Wildlife Trust selects one scientist every year to recognize him/her in a gala in New York. Rodrigo was chosen for his life-term career working on conservation in Mexico and Latin America.

http://www.wildlifetrust.org/enter.cgi?p=news/2007/1001_2_Gala.shtml

2007 Aldo Leopold Award from The American Society of Mammalogists. This award honors individuals who have made outstanding and lasting contributions to the conservation of mammals and their habitats. Only three individuals have received this award before Rodrigo: Edward O. Wilson, Russell A. Mittermeier, and George B. Schaller.

2004 National Nature Conservation Award from Mexican President Vicente Fox, given by the Federal Government of Mexico:

<http://www.cybertechnics.com.mx/conanp/noticia.php?NotiLeer=1&TitBack=2&IdNotic=139>

2004 Gerrit S. Miller Award, the North American Society for the Study of Bats’ highest honor, given "In recognition of outstanding service and contribution to the field of chiropteran biology.":

http://www.nasbr.org/NASBR_Miller.html

http://www.universia.net.mx/index.php/news_user/content/view/full/11015/

2004 Whitley Award for International Nature Conservation, given by Her Royal Highness Princess Anne, on behalf of the Whitley Foundation:

www.whitley-award.org/Articles/projects/friends/RodrigoMedellin.html

1996 Forgotten Pollinators Award, given by the Arizona-Sonora Desert Museum and Bat Conservation International:

<http://www.batcon.org/batsmag/v14n3-6.html>

5.- Research Experience.

Scientific Production: 22 ISI papers in the last 5 years

SUMMARY:

Scientific articles in indexed (ISI) journals	104
Scientific articles in other journals	20
International books and chapters	15
National books and chapters	39
Essays and book reviews	6

Popular publications	24
Total publications	208

5.1. Scientific articles in indexed (ISI) journals (total: 97):

2018

1. Frick, W.F., P.A. Heady, III, A.D. Earl, M.C. Arteaga, P. Cortés-Calva, and **R.A. Medellín**. 2018. Seasonal ecology of a migratory nectar-feeding bat at the edge of its range. *Journal of Mammalogy* 99. <https://doi.org/10.1093/jmammal/gyy088>
2. Vargas-Mena, J.C., E. Cordero-Schmidt, D. de Medeiros Bento, B. Rodriguez.Herrera, **R. A. Medellín**, and E. M. Venticinque. 2018. Diversity of cave bats in the Brazilian tropical dry forest of Rio Grande do Norte state. *Mastozoología Neotropical*. ISSN 1666-0536
3. Haefele, M., J. B. Loomis, R. Merideth, A. Lien3, D.J. Semmens, J. Dubovsky, R. Wiederholt, W. E. Thogmartin, T. Huang, G. F. McCracken, **R.A. Medellín**, J.E. Diffendorfer, and L. López-Hoffman. 2018. Willingness to Pay for Conservation of Transborder Migratory Species: A Case Study of the Mexican Free-Tailed Bat in the United States and Mexico. DOI: 10.1007/s00267-018-1046-1. *Environmental Management* 62. <https://doi.org/10.1007%2Fs00267-018-1046-1>
4. Arteaga, M. C., **R.A. Medellín**, P. A. Luna-Ortiz, P. A. Heady III, W.F. Frick. 2018. Genetic diversity distribution among seasonal colonies of a nectar-feeding bat (*Leptonycteris yerbabuenae*) in the Baja California Peninsula. *Mammalian Biology* 92:78-85. DOI: 10.1016/j.mambio.2018.04.008
5. Rodriguez-Herrera, B., J. Arroyo-Cabrales, and **R. A. Medellín**. 2018. Hanging out in tents: social structure, group stability, male behavior, and their implications for the mating system of *Ectophylla alba* (Chiroptera: Phyllostomidae). *Mammal Research* DOI: 10.1007/s13364-018-0383-z
6. **Medellin, R.A.**, M. Rivero, A. Ibarra, J. A. de la Torre, T. P. Gonzalez-Terrazas, L. Torres-Knoop, and M. Tschapka. 2018. Follow me: foraging distances of *Leptonycteris yerbabuenae* (Chiroptera: Phyllostomidae) in Sonora determined by fluorescent powder. *Journal of Mammalogy* 99: 306-311. DOI:10.1093/jmammal/gyy016

2017

1. Mena, J. L. and **R. A. Medellín**. 2017. Habitat complexity and small mammal diversity along an elevational gradient in Southern Mexico. *Mastozoología Neotropical* 24:121-134
2. Gonzalez-Maya, J. G., E. Martínez-Meyer, **R. A. Medellín**, and G. Ceballos. 2017. Distribution of mammal functional diversity in the Neotropical realm: Influence of land-use and extinction risk. *PLoS One* <https://doi.org/10.1371/journal.pone.0175931>
3. De la Torre, A., J. M. Nuñez, **R. A. Medellín**. 2017. Spatial requirements of jaguars and pumas in Southern Mexico. DOI: 10.1016/j.mambio.2017.01.006
4. **Medellin, R. A.**, R. Wiederholt, L. Lopez-Hoffman. 2017. Conservation relevance of bat caves for biodiversity and ecosystem services. <http://doi.org/10.1016/j.biocon.2017.01.012>
5. Frick, W. F., E.F. Baerwald, J.F. Pollock, R.M.R. Barclay, J.A. Szymanski, T.J. Weller, A.L. Russell, S.C. Loeb, **R.A. Medellín**, L.P. McGuire. 2017. Fatalities at wind turbines may threaten population viability of a migratory bat. *Biological Conservation* 209: 172–177
6. De la Torre, A., J. M. Nuñez, **R. A. Medellín**. 2017. Habitat availability and connectivity for jaguars (*Panthera onca*) in the Southern Mayan Forest: Conservation priorities for a fragmented landscape. *Biological Conservation* 206:270-282
7. Wiederholt, R., K. J. Bagstad, G. F. McCracken, J. E. Diffendorfer, J. B. Loomis, D. J. Semmens, A. L. Russell, C. Sansone, K. LaSharra, P. Cryan, C. Reynoso, **R. A. Medellín**, and L. López-Hoffman. 2017. Improving spatio-temporal benefit transfers for pest control by generalist predators in cotton in the southwestern US. *International Journal of Biodiversity Science, Ecosystem Services, and Management*, 13: 27–39
8. De la Torre, J. A., J. F. Gonzalez Maya, H. Zarza, G. Ceballos, and **R. A. Medellín**. 2017. The jaguar's spots are darker than they appear: assessing the global conservation status of the jaguar *Panthera onca*. *ORYX* 51: xx-xxx. DOI: 10.1017/S0030605316001046

2016

9. Trejo-Salazar, R.E., L. E. Eguiarte, D. Suro-Piñera and R. A. Medellín. 2016. Save Our Bats, Save Our Tequila: Industry and Science Join Forces to Help Bats and Agaves. *Natural Areas Journal*, 36:523-530.
10. González-Terrazas, T.P., L. R. Viquez, A. Ibarra-Macías, A.T. Ruíz, L. Torres-Knoop, K. Jung, M. Tschapka, R. A. Medellín. 2016. New records and range extension of *Promops centralis* (Chiroptera: Molossidae). *Revista Mexicana de Biodiversidad* 87: 1407-1411
11. Nassar, J. M., R. Galicia, A. C. Ibarra, and **R. A. Medellín**. 2016. Tracking the origin of the smearing behavior in long-nosed bats (*Leptonycteris* spp.). *Mammalian Biology* – July 2016. DOI: 10.1016/j.mambio.2016.08.003

12. Orr, T. J., Teri J Orr, Jorge Ortega, **R. A Medellín**, Caitlin D Sánchez, Kimberly A Hammond. 2016. *Journal of Mammalogy* · July 2016. DOI: 10.1093/jmammal/gyw122
13. Cassaigne, I., **R. A. Medellín**, R. W. Thompson, and A. Torres-Gómez. 2016. Diet of pumas (*Puma concolor*) in Sonora, Mexico, as determined by GPS kill sites and molecular identified scat, with comments on jaguar (*Panthera onca*) diet. *The Southwestern Naturalist* 61:125-132
14. Frankin, K.A., P. Sommers, C.E. Aslan, B. Lopez R., J.L. Bronstein, E. Bustamante, A. Búrquez, **R.A. Medellín**, and B. Marazzi. 2016. Plant biotic interactions in the Sonoran Desert: Current knowledge and future research perspectives. *International Journal of Plant Sciences* 177:217-234.
15. Haynie, Michelle L., Tsuchiya, Mirian T. N., Ospina-Garcés, Sandra Milena, Arroyo-Cabrales, Joaquin, **Medellín, Rodrigo A.**, Polaco, Oscar J. and Maldonado, Jesús E. 2016. Placement of the rediscovered *Myotis planiceps* (Chiroptera: Vespertilionidae) within the *Myotis* phylogeny. *Journal of Mammalogy*, 97: 701-712. doi:10.1093/jmammal/gyv216

2015

16. Marazzi, B., J.L. Bronstein, P. N. Sommers, B. R. Lopez, E. B., A. Burquez, **R.A. Medellín**, C. Aslan, and K. Franklin. Plant Biotic Interactions in the Sonoran Desert Conservation Challenges and Future Directions. *Journal of the Southwest*, 57 (2-3):457-501.
17. Carrillo-Araujo, M., N. Tas, R.J. Alcantara-Hernandez, O. Gaona, J.E. Schondube, **R. A. Medellín**, J. K. Jansson, and L.I. Falcon. 2015. Phyllostomid bat microbiome composition is associated to host phylogeny and feeding strategies. *Frontiers in Microbiology* 6. Article 447. DOI: 10.3389/fmicb.2015.00447
18. Rodríguez-Rodríguez, M., J. Gasca-Pineda, **R. A. Medellín**, and L E. Eguiarte. 2015. Analysis of genetic diversity of bighorn sheep (*Ovis canadensis*) from Mexican populations. *Journal of Mammalogy* 96: 473–480. DOI:10.1093/jmammal/gyv066
19. Wiederholt, R, Lopez-Hoffman, L, Svancara, C, MCCracken, G, Thogmartin WG, Diffendorfer, JE, Mattsonm B, Bagstad, K, Cryan, P, Russel, A, Semmens, D, **Medellin, RA**. 2015. Optimizing conservation strategies for Mexican free-tailed bats: a population viability and ecosystem services approach. *Biodiversity and Conservation*. 24: 63-82, DOI 10.1007/s10531-014-0790-7

2014

20. Berger J., Cain SL, Cheng E, Dratch P, Ellison K, Francis J, Frost HC, Gende S, Groves C, Karesh WA, Leslie E, Machlis G, **Medellin RA**, Noss RF, Redford KH, Soukup M, Wilcove D, Zack S. 2014. Optimism and challenge for science-based conservation of migratory species in and out of U.S. National Parks. *Conservation Biology* 28:4-12.

21. Morales-Leyva, A, **R.A. Medellín**, SL Lance, B. Rodriguez-Herrera, M Del Real-Monroy, and J. Ortega, J. 2014. Development of microsatellite loci for the Honduran white-bat (*Ectophylla alba*) by using Illumina paired-end sequences. *CONSERVATION GENETICS RESOURCES* 6: 219-220. DOI: 10.1007/s12686-013-0065-8
22. López-Hoffman, L, R Wiederholt, C Sansone, KJ Bagstad, P Cryan, JE Diffendorfer, J Goldstein, K LaSharr, J Loomis, G McCracken, **RA Medellín**, A Russell & D Semmens. 2014. Market forces and technological substitutes cause fluctuations in the value of bat pest-control services for cotton. *PLoS One*, 9(2): 7 pages. DOI:10.1371/journal.pone.0087912

2013

23. Ayala-Berdon, J., R. Galicia, C. Flores-Ortiz, **R. A. Medellín** and J. E. Schondube. 2013. Digestive capacities allow the Mexican long-nosed bat (*Leptonycteris nivalis*) to live in cold environments. *Comparative Biochemistry and Physiology A-Molecular & Integrative Physiology*: 164: 622-628 DOI: 10.1016/j.cbpa.2013.01.015
24. Wiederholt, R, L López-Hoffman, J Cline, **R A. Medellín**, P Cryan, A Russell, G McCracken, J Diffendorfer, and D Semmens. 2013. Moving across the border: A conservation modeling approach for migratory bat populations. *Ecosphere* 4(9): article 14. DOI:10.1890/ES-1300023
25. Anthony, S. J., R. Ojeda-Flores, R., O. Rico-Chavez, I. Navarrete-Macias, C.M. Zambrana-Torrel, M.K. Rostal, J. H. Epstein, T. Tipps, E. Liang, M. Sanchez-Leon, J. Sotomayor-Bonilla, A.A. Aguirre, R. Avila-Flores, R.A. Medellín, T. Goldstein, G. Suzan, P. Daszak, and W.I. Lipkin. 2013. Coronaviruses in bats from Mexico. *Journal of General Virology* 94: 1028-1038 DOI: 10.1099/vir.0.049759-0

2012

26. Gonzalez-Terrazas, T.P., **Medellin, R.A.**, Knoernschild, M., and M. Tschapka. 2012. Morphological specialization influences nectar extraction efficiency of sympatric nectar-feeding bats. *JOURNAL OF EXPERIMENTAL BIOLOGY* 215: 3989-3996
27. Redford, K. H., C. Groves, **R. A. Medellín**, J. G. Robinson. 2012. Conservation Stories, Conservation Science, and the Role of the Intergovernmental Platform on Biodiversity and Ecosystem Services. *CONSERVATION BIOLOGY* 26: 757-759 DOI:
28. Carter, G. G., R. Logsdon, B.D. Arnold, A. Menchaca, and **R. A. Medellín**. 2012. Vampire Bats Produce Contact Calls When Isolated: Acoustic Variation by Species, Population, Colony, and Individual. *PLOS ONE* 7 Article Number: e38791 DOI: 10.1371/journal.pone.0038791 Published: JUN 14 2012
29. Arteaga, M.C., D. Pinero, L. E. Eguiarte, J. Gasca, and **R. A. Medellín**. 2012. Genetic structure and diversity of the nine-banded armadillo in Mexico. *JOURNAL OF MAMMALOGY* 93: 547-559

2011

30. Rodriguez-Herrera, B., G. Ceballos, and **R.A. Medellín**. 2011. Ecological aspects of the tent building process by *Ectophylla alba* (Chiroptera: Phyllostomidae). *ACTA CHIROPTEROLOGICA* 13: 365-372
31. De La Torre, A., and **R. A. Medellín**. 2011. Jaguars *Panthera onca* in the Greater Lacandona Ecosystem, Chiapas, Mexico: population estimates and future prospects. *ORYX*, 45: 546–553.
32. Arteaga, M. C., J.E. McCormack, L.E. Eguiarte and **R. A. Medellín**. 2011. Genetic admixture in multidimensional environmental space: asymmetrical niche similarity promotes gene flow in armadillos (*Dasypus novemcinctus*). *EVOLUTION* 65:2470-80.
33. Mejia O, Herrera LG, May B, **R.A. Medellín** and J. J. Flores-Martinez. 2011. Effective population size dynamics of *Myotis vivesi* during the Pleistocene and Holocene climatic changes. *ACTA CHIROPTEROLOGICA* 13: 33-40
34. Sperr EB, Caballero-Martinez LA, **Medellin R.A.**, and M. Tschapka. 2011. Seasonal changes in species composition, resource use and reproductive patterns within a guild of nectar-feeding bats in a west Mexican dry forest. *JOURNAL OF TROPICAL ECOLOGY* 27: 133-145
35. Smith MJ, Benitez-Diaz H, Clemente-Munoz MA Donaldson J., Hutton JM., McGough HN., **Medellin R.A.**, Morgan DHW., O'Criodain C., Oldfield TEE., Schippmann., Williams RJ. 2011. Assessing the impacts of international trade on CITES-listed species: Current practices and opportunities for scientific research. *BIOLOGICAL CONSERVATION* 144: 82-91.

2010

36. Cassaigne, I., **R. A. Medellín**, and José A. Guasco. 2010. Mortality During Epizootics in Bighorn Sheep: Effects of Initial Population Size and Cause. *Journal of Wildlife Diseases* 46:763-771
37. McFadden KW, Garcia-Vasco D, Cuaron AD, Valenzuela-Galvan D, **R. A. Medellín**, and M. E. Gompper. 2010. Vulnerable island carnivores: the endangered endemic dwarf procyonids from Cozumel Island. *BIODIVERSITY AND CONSERVATION* 19: 491-502.
38. de la Torre J.A., L.J. Lopez-Damian, H.V. Barcenas, E. Nájera-Solis, and **R.A. Medellín**. 2010. New record of sheep frog (*Hypopachus variolosus*) in the Tres Marias Islands archipelago, Nayarit, Mexico. *Revista Mexicana de Biodiversidad* 81: 581-582
39. Mena JL, and **R.A. Medellín**. RA 3. 2010. Small mammal assemblages in a disturbed tropical

landscape at Pozuzo, Peru. MAMMALIAN BIOLOGY: 75: 83-91.

2009

40. Ortega J, Tschapka M, Gonzalez-Terrazas TP, G. Suzan, and R. A. Medellin. 2009. et al. Phylogeography of *Musonycteris harrisoni* along the Pacific coast of Mexico. *Acta Chiropterologica* 11: 259-269.
41. Dumont, E. R., Herrel, A., **Medellin, R. A.**, Vargas, J. and Santana, S.E. 2009. Built to bite: cranial design and function in the wrinkle faced bat (*Centurio senex*). *Journal of Zoology* 279: 329-337.
42. Melo, F.P.L., B. Rodriguez-Herrera, R. L. Chazdon, **R. A. Medellin**, G. Ceballos. 2009. Small Tent-Roosting Bats Promote Dispersal of Large-Seeded Plants in a Neotropical Forest. *BIOTROPICA* 41: 737-743 .
43. Colchero, F., **R. A. Medellin**, J. S. Clark, R. Lee, and G. G. Katul. Predicting population survival under future climate change: density dependence, drought and extraction in an insular bighorn sheep. *Journal of Animal Ecology* 78: 666-673.
44. Ceballos G, Vale MM, Bonacic C, Calvo-Alvarado J, List R, Bynum N, **Medellin RA**, Simonetti JA, Rodriguez JP 2009. Conservation Challenges for the Austral and Neotropical America Section. *Conservation Biology* 23: 811-817
45. Vargas-Contreras JA, **Medellin RA**, Escalona-Segura G, et al. 2009. Vegetation complexity and bat-plant dispersal in Calakmul, Mexico. *Journal of Natural History* 43: 219-243. Tschapka, M., E. Sperr, L.A. Caballero, and R. A. Medellín. 2008. Diet and cranial morphology of *Musonycteris harrisoni*, a highly specialized nectar-feeding bat in western Mexico. *Journal of Mammalogy* 89:924-932

2008

46. Tschapka, M., E. Sperr, L.A. Caballero, and **R. A. Medellín**. 2008. Diet and cranial morphology of *Musonycteris harrisoni*, a highly specialized nectar-feeding bat in western Mexico. *Journal of Mammalogy* 89:924-932
47. Schipper et al. (**R. A. Medellín** is author 80 of a total of 130). 2008. The status of the world's land and marine mammals: Diversity, threat, and knowledge. *SCIENCE* 322: 225-230
48. Rodriguez-Herrera, B; **Medellin, RA**; Gamba-Rios, M. 2008. Roosting requirements of white tent-making bat *Ectophylla alba* (Chiroptera : Phyllostomidae). *Acta Chiropterologica* 10:89-95.
49. da Silva AG, Gaona O, **Medellin R.A.** 2008. Diet and trophic structure in a community of fruit-eating bats in Lacandon Forest, Mexico. *Journal of Mammalogy* 89:43-49
50. Federico, P., T. G. Hallam, G. F. McCracken, S. Purucker, W. Grant, A. N. Sandoval, J.

Westbrook, **R. A. Medellín**, C. Cleveland, C. G. Sansone, J. D. López Jr., M. Betke, A. Moreno-Valdez, T. H. Kunz. 2008. Brazilian free-tailed bats (*Tadarida brasiliensis*) as insect pest regulators in transgenic and conventional cotton crops. *Ecological Applications*. 18: 826-837.

2007

51. Soberon, J. and **R.A. Medellín**. 2007. Categorization Systems of Threatened Species. *Conservation Biology* 21:1366–1367.
52. Sanchez R, and **R.A. Medellín**. 2007. Food habits of the threatened bat *Leptonycteris nivalis* (Chiroptera : Phyllostomidae) in a mating roost in Mexico. *Journal of Natural History* 41: 1753-1764.
53. Elizalde-Arellano C, J.C. Lopez-Vidal, J. Arroyo-Cabrales, **R.A. Medellín**, and J.W. Laundre. 2007. Food sharing behavior in the hairy-legged vampire bat *Diphylla ecaudata*. *Acta Chiropterologica* 9: 314-319.
54. Velarde, E., R. Avila-Flores R, and **R.A. Medellín**. 2007. Endemic and introduced vertebrates in the diet of the barn owl (*Tyto alba*) on two islands in the Gulf of California, Mexico. *Southwestern Naturalist* 52: 284-290.
55. Rodriguez, J.P., A.B. Taber, P. Daszak, R. Sukumar, C. Valladares-Padua, S. Padua S, L.F. Aguirre, **R.A. Medellín**, M. Acosta, A.A. Aguirre, C. Bonacic, P. Bordino, J. Bruschini, D. Buchori, S. Gonzalez, T. Mathew, M. Mendez, L. Mugica, L.F. Pacheco, A. P. Dobson, and M. Pearl. 2007. Environment - Globalization of conservation: a view from the south. *Science* 317 (5839): 755-756 Aug. 10.
56. Rodriguez, J.P., A.B. Taber, P. Daszak, R. Sukumar, C. Valladares-Padua, S. Padua S, L.F. Aguirre, **R.A. Medellín**, M. Acosta, A.A. Aguirre, C. Bonacic, P. Bordino, J. Bruschini, D. Buchori, S. Gonzalez, T. Mathew, M. Mendez, L. Mugica, A. P. Dobson, and M. Pearl. 2007. Global and local conservation priorities – Response. *SCIENCE* 318 (5855): 1380-1382. Nov. 30.
57. Mendez, M., A. Gomez, N. Bynum, **R. A. Medellín**, A. L. Porzecanski, and E. Sterling. 2007. Availability of Formal Academic Programs in Conservation Biology in Latin America. *Conservation Biology* 21:1399-1403.

2006

58. Rodríguez-Herrera, B., **R.A. Medellín**, and M. Gamba-Ríos. 2006. Tent building by female *Ectophylla alba* (Chiroptera: Phyllostomidae) in Costa Rica. *Acta Chiropterologica* 8:557-560
59. McFadden, K.W., R. N. Sambrotto, **R. A. Medellín**, M. E. Gompper. 2006. Feeding habits of endangered pygmy raccoons (*Procyon pygmaeus*) based on stable isotope and fecal analyses. *Journal of Mammalogy* 87 (3): 501-509

60. Cleveland, C.J., M. Betke, P. Federico, J. D. Frank, T. G. Hallam, J. Horn, J. D. Lopez, G. F. McCracken, **R. A. Medellín**, A. Moreno-Valdez, C. G. Sansone, J. K. Westbrook, and T. H. Kunz. 2006. Economic value of the pest control service provided by Brazilian free-tailed bats in south-central Texas. *Frontiers in Ecology and the Environment* 5: 238-243

2005

61. Arroyo-Cabrales J., E.K.V. Kalko, R. K. LaVal, J. E. Maldonado, **R. A. Medellín**, O.J. Polaco, and B. Rodriguez-Herrera. 2005. Rediscovery of the Mexican flat-headed bat *Myotis planiceps* (Vespertilionidae). *Acta Chiropterologica* 7: 309-314.
62. Russell A.L., **Medellin R.A.**, McCracken G.F. 2005. Genetic variation and migration in the Mexican free-tailed bat (*Tadarida brasiliensis mexicana*). *Molecular Ecology* 14: 2207-2222

2004

63. McCarthy M. A., Keith D. A., Tietjen J., Burgman M. A., Maunder M., Master L. L., Brook B. W., Mace G. M., Possingham H. P., **Medellin R. A.**, Andelman S. J., Regan H. M., Regan T. J. and Ruckelshaus M. 2004. Comparing predictions of extinction risk using models and subjective judgement. *Acta Oecologica* 26:67-74
64. Vazquez, L. B., G. N. Cameron, and **R.A. Medellín**. 2004. Characteristics of diet of *Peromyscus aztecus* and *Reithrodontomys fulvescens* in Montane Western Mexico. *Journal of Mammalogy* 85: 196-205.
65. Avila-Flores, R. y **R. A. Medellín**. 2004. Ecological, taxonomic, and physiological correlates of cave use by mexican bats. *Journal of Mammalogy*, 85 (4): 675-687.

2003

66. Zarza H., **Medellín R. A.**, Perez S. 2003. First record of the yucatan deer mouse, *Peromyscus yucatanicus* (Rodentia : Muridae) from Guatemala. *Southwestern Naturalist*, 48: 310-312
67. **Medellín, R. A.** 2003. Diversity and conservation of bats in México: research priorities, strategies, and actions. *Wildlife Society Bulletin* 31: 87-97.

2002

68. Gómez de Silva, H., and **R. A. Medellín**. 2002. Are land bird assemblages functionally saturated? An empirical test in Mexico. *Oikos* 96:169-181
69. Sanderson E. W., Redford K. H., Chetkiewicz C. L. B., **Medellin R. A.**, Rabinowitz AR, Robinson JG, Taber AB. 2002. Planning to save a species: the jaguar as a model. *Conservation Biology* 16: 58-72.
70. Possingham HP, Andelman SJ, Burgman MA, **Medellin RA**, Master LL, Keith DA. 2002. Limits to the use of threatened species lists. *Trends in Ecology & Evolution* 17 (11): 503-507.

2001

71. Gómez de Silva, H., and **R. A. Medellín**. 2001. Evaluating completeness of species lists for conservation and macroecology: a case study of Mexican land birds. *Conservation Biology* 15:1384-1395
72. Brunet, A. K., and **R. A. Medellín**. 2001. The species-area relationship in bat assemblages of tropical caves. *Journal of Mammalogy* 82:1114-1122.

2000

73. Vázquez, L. B., **R. A. Medellín**, and G. N. Cameron. 2000. Population and community ecology of small rodents in montane forest of western Mexico. *Journal of Mammalogy*, 81:77-85.
74. **Medellín, R. A.**, M. Equihua, and M. Amin. 2000. Bat diversity and abundance as indicators of disturbance in Neotropical rainforests. *Conservation Biology* 14:1666-1675

1999

75. **Medellín, R. A.**, and J. Soberón. 1999. Predictions of mammal diversity on four land masses. *Conservation Biology*, 13:143-149.
76. **Medellín, R. A.** and O. Gaona. 1999. Seed dispersal by bats and birds in forest and disturbed habitats in Chiapas, Mexico. *Biotropica*, 31:432-441.

1998

77. Ceballos, G., P. Rodríguez and **R. A. Medellín**. 1998. Assessing conservation priorities in Megadiverse Mexico: patterns of mammalian diversity, endemism, and endangerment. *Ecological Applications*, 8:8-17.
78. **Medellín, R. A.**, and M. Equihua. 1998. Mammal species richness and habitat use in rainforest and abandoned agricultural fields in Chiapas, Mexico. *Journal of Applied Ecology*, 35:13-23.
79. **Medellín, R. A.**, A. L. Gardner and M. Aranda. 1998. The taxonomic status of the Yucatan brown brocket deer (Mammalia: Cervidae). *Proceedings of the Biological Society of Washington*, 111:1-14.
80. Allen-Wardell, G., P. Bernhardt, R. Bitner, A. Burquez, S. Buchmann, J. Cane, P. A. Cox, V. Dalton, P. Feinsinger, D. Inouye, M. Ingram, C. E. Jones, K. Kennedy, P. Kevan, H. Koopowitz, **R. A. Medellín**, S. Medellín-Morales, G. P. Nabhan, B. Pavlik, V. Tepedino, P. Torchio, and S. Walker. 1998. The potential consequences of pollinator declines on the conservation of biodiversity and stability of food crop yields. *Conservation Biology* 12:8-17.

81. **Medellín, R. A.** 1998. True international collaboration: now or never. *Conservation Biology*, 12:939-940.

1983-1995

82. **Medellín, R. A.** 1994. Mammal diversity and conservation in the Selva Lacandona, Chiapas, Mexico. *Conservation Biology*, 8:780-799.
83. **Medellín, R. A.** 1994. Seed dispersal of *Cecropia obtusifolia* by two species of opossums. *Biotropica*, 26:400-407.
84. **Medellín, R. A.**, G. Cancino. A. Clemente, and R. Guerrero. 1992. Noteworthy records of three mammals from México. *Southwestern Naturalist*, 37:427-429.
85. **Medellín, R. A.** 1988. Prey of *Chrotopterus auritus*, with notes on feeding behavior. *Journal of Mammalogy*, 69:841-844.
86. Urbano-V., G., O. Sánchez-H., G. Téllez-G., and **R. A. Medellín.** 1987. Additional records of Mexican mammals. *Southwestern Naturalist*, 32:134-137.
87. Sánchez-Herrera, O., G. Téllez-Girón, **R. A. Medellín,** and G. Urbano-Vidales. 1986. New records of mammals from Quintana Roo, México. *Mammalia*, 50: 275-278.
88. **Medellín, R. A.**, G. Urbano-V., O. Sánchez-H., G. Téllez-G., y H. Arita. 1986. Notas sobre murciélagos del este de Chiapas. *Southwestern Naturalist*, 31:532-534.
89. **Medellín, R. A.** 1983. *Tonatia bidens* and *Mimon crenulatum* in Chiapas, México. *Journal of Mammalogy*, 64: 150.

5.2 Scientific articles in other journals (total: 20):

1. Reyna, R., R. A. Medellín, E. Naranjo. 2012. Mexico has raised the legal status of the white-lipped peccary. *Suiform Soundings, Newsletter of the Wild Pig, Peccary, and Hippo Specialist Group of the IUCN Species Survival Commission*. Volume 11(2) August 2012: 16-18.
2. Soler-Frost, A., **R. A. Medellín,** and G. N. Cameron. 2003. *Pappogeomys bulleri*. *Mammalian Species, American Society of Mammalogists*, 717:1-3.
3. Ceballos, G., J. Arroyo-Cabrales, and **R. A. Medellín.** 2002. The mammals of México: composition, distribution, and conservation status. *Occasional Papers of the Museum, Texas Tech University*, 218:1-27.
4. **R. A. Medellín.** 2001. Los murciélagos, factor esencial para la recuperación natural de las selvas. *Boletín UNAM*. No. 463.

5. Vázquez, L. B., **R. A. Medellín**, and G. N. Cameron. 2001. *Peromyscus aztecus*. Mammalian Species No. 649, Amer. Soc. of Mammalogists: 1-6.
6. Castro-Arellano, I., H. Zarza y **R. A. Medellín**. 2000. *Philander opossum*. Mammalian Species # 638, Amer. Soc. of Mammalogists: 1-8.
7. Vázquez, L. B., G. N. Cameron y **R. A. Medellín**. 1999. Hábitos alimentarios y biología poblacional de dos especies de roedores en el occidente de México. Revista Mexicana de Mastozoología. 4: 5-21
8. López T., M. C. y **R. A. Medellín**. 1999. *Vampyrum spectrum* en Chiapas, México. Revista Mexicana de Mastozoología, 3:135-136.
9. **Medellín, R. A.**, G. Ceballos y H. Zarza. 1998. *Spilogale pygmaea*. Mammalian Species. No. 600, Amer. Soc. of Mammalogists: 1-3.
10. Gómez de Silva G., H., **R. A. Medellín** L., M. A. Amín & S. Aguilar. 1996. A concentration of mountain plovers *Charadrius montanus* in San Luis Potosí, Mexico. Cotinga, 5:33-34.
11. Alonso-M., A., y **R. A. Medellín**. 1992. *Marmosa mexicana*. Mammalian Species #421, Amer. Soc. Mammalogists:1-4.
12. Alonso-M., A., y **R. A. Medellín**. 1991. *Micronycteris megalotis*. Mammalian Species # 376, Amer. Soc. of Mammalogists: 1-6.
13. **Medellín, R. A.** 1991. Ecomorfología del cráneo de cinco didélfidos: tendencias, divergencias e implicaciones. Anales del Instituto de Biología, UNAM, Ser. Zool., 62:269-286.
14. **Medellín, R. A.** y H. T. Arita. 1989. *Tonatia evotis* and *T. silvicola*. Mammalian Species. No. 334, Amer. Soc. of Mammalogists: 1-5.
15. **Medellín, R. A.** 1989. *Chrotopterus auritus*. Mammalian Species. No. 343, Amer. Soc. of Mammalogists: 1-5.
16. Ceballos, G. and **R. A. Medellín**. 1988. *Diclidurus albus*. Mammalian Species. No. 316, American Society of Mammalogists: 1-4.
17. **Medellín, R. A.**, y W. López-Forment. 1986. Las cuevas: un recurso compartido. Anales del Instituto de Biología, UNAM, Ser. Zool., 56: 1027-1034.
18. Wilson, D. E., **R. A. Medellín**, D. V. Lanning, y H. T. Arita. 1985. Los murciélagos del noreste de México, con una lista de especies. Acta Zoológica Mexicana, nueva serie, No. 8:1-26.
19. **Medellín, R. A.**, D. E. Wilson, y D. Navarro. 1985. *Micronycteris brachyotis*. Mammalian species # 251, American Society of Mammalogists: 1-4.

20. **Medellín, R. A.**, D. Navarro, W. B. Davis, and V. J. Romero. 1983. Notes on the biology of *Micronycteris brachyotis* (Dobson) (Chiroptera), in southern Veracruz, México. *Brenesia* 21: 7-11.

5.3 International books and chapters (total: 15):

1. Aguirre L. F., R. A. Medellín and B. Rodríguez-Herrera. 2017. From Threat to Opportunity: Strategies for Bat Conservation. Pp. 140-153 in *Tropical Conservation, Perspectives on Local and Global Priorities* (A. A. Aguirre and R. Sukumar, eds) Oxford University Press.
2. Medellín, R. A. 2010. Foreword. Pp. ix-xi in *The Gulf of California, Biodiversity and conservation* (R. C. Brusca, Editor). University of Arizona
3. Medellín, R.A., 2009. Sustaining transboundary ecosystem services provided by bats. In: López-Hoffman, L., McGovern, E., Varady, R., Flessa, K. (Eds.), *Conservation of Shared Environments: Learning from the United States and Mexico*. University of Arizona Press, Tucson, pp. 170–187
4. Rodríguez-Herrera, B., R. A. Medellín, and R.M. Timm. 2007. Neotropical Tent-roosting Bats / Murciélagos neotropicales que acampan en hojas. Editorial INBio. Santo Domingo de Heredia, Costa Rica, 184 p.
5. National Research Council of the National Academies. 2007. *Status of Pollinators in North America*. National Academies Press, Washington, D.C. (Medellin is member of the 15-people Committee on Status of Pollinators, created by the National Academy of Sciences).
6. **Medellín, R. A.** 2007. Prólogo. Pp. IX-X en *Historia natural, distribución y Conservación de los Murciélagos de Bolivia* (L. F. Aguirre, Editor). Fundación Simón Patiño, La Paz, Bolivia.
7. Eardley, C., D. Roth, J. Clarke, S. Buchmann, and B. Gemmill, editors (**R. Medellín** is one of the authors of this book). 2006. *Pollinators and pollination: a resource book for policy and practice*. African Pollinator Initiative and U.S. Department of State, Washington, D. C.
8. Melnick, D. J., J. A. McNeely, Y. Kakabadse, G. Schmidt-Traub, and R. R. Sears, lead authors (**R. Medellín** is one of the authors of this book as a member of this Task Force). 2005. *Environment and human well-being: a practical strategy. Achieving the Millennium Development Goals*. United Nations Millennium Project, Task Force on Environmental Sustainability Final Report. United Nations Development Programme, EARTHSCAN, London.

9. **Medellín, R. A.**, C. Manterola, M. Valdez, D. G. Hewitt, D. Doan-Crider, and T. E. Fulbright. 2005. History, ecology, and conservation of the pronghorn antelope, bighorn sheep, and black bear in Mexico. In: J.-L. Cartron, G. Ceballos, and R. S. Felger (eds.) *Biodiversity, Ecosystems, and Conservation in Northern Mexico*. Oxford University Press.
10. **Medellín, R.A.** 2005. Author of various chapters on different mammal species in the book: *ANIMAL*, the definitive visual guide to the World's wildlife (Editors in Chief: D. Burnie and D. E. Wilson). Dorling Kindersley, London.
11. **Medellín, R. A.**, J. Guillermo Téllez, and J. Arroyo. 2004. Conservation through research and education: an example of collaborative integral actions for migratory bats. In G. Nabhan, R. C. Brusca, and L. Holter (eds.), *Conservation of Migratory Pollinators and Their Nectar Corridors in North America*. Arizona-Sonora Desert Museum, Natural History of the Sonoran Desert Region, No. 2. University of Arizona Press, Tucson, Arizona.
12. **Medellín, R. A.** 2003. Didelphimorphia: New World opossums. Pp. 249-265 In: *Mammals I. Vol 12 of Grzimek's Animal Life Encyclopedia*, edited by Devra G. Kleiman, Valerius Geist, Michael Hutchins, and Melissa C. McDade. Gale Group, Farmington Hills, Mich.
13. **Medellín, R. A.**, and K. H. Redford. 1992. The role of mammals in Neotropical forest-savanna boundaries. Pp. 519-548, In *Nature and dynamics of forest-savanna boundaries* (P. Furley, J. Ratter, and J. Proctor, eds.). Chapman and Hall, London, 616 p.
14. Herrera-MacBryde, O. y **Rodrigo A. Medellín**. 1997, Lacandon rainforest region. Pp. 125-127, in *Centres of Plant Diversity, Vol. 3, The Americas* (S. D. Davis, V. H. Heywood, O. Herrera-MacBryde, J. Villa-Lobos, and A. C. Hamilton, eds.). World Wildlife Fund, IUCN, The World Conservation Union, U. S. National Museum of Natural History, the European Commission, and the U. K. Overseas Development Administration. Information Press, Oxford, U.K., 525 pp.
15. Ceballos, G., J. M. Maass, **R. A. Medellín**, M. Equihua, R. Dirzo, A. García, M. Lazcano, L. Hernández and F. Noguera. 1998. The Mexican Long-Term Ecological Research Network. Pp. 52-57, in *The International Long Term Ecological Research Network 1998* (R. Waide, C. French, P. Sprott, L. Williams, compilers). U.S. LTER, University of New Mexico, Albuquerque, NM, 109 pp.

5.4 National books and chapters (total: 37):

1. Chávez, C, J. A. de la Torre, H. Bárcenas, **R.A. Medellín**, H. Zarza y G. Ceballos. 2013. Manual de fototrampeo para estudio de fauna silvestre. El jaguar en México como estudio de caso. Alianza WWF-Telcel, Universidad Nacional Autónoma de México, México.
2. Gerardo Ceballos, Rurik List, **Rodrigo A. Medellín**, Kent H. Redford. 2012. *Animales de América:*

Migraciones y Grandes concentraciones. TELMEX, U.N.A.M.

3. **Medellín, R. A.**, y O. Gaona. 2011. El presente de la selva de Calakmul, la conservación de los murciélagos y la biodiversidad. Pp. 78-97 in Los murciélagos de Calakmul, guía ilustrada (J. Arroyo-Cabrales, A. Gonzalez, D. Canales, F. Leon, M. L. Franco, L. Navarro y J. A. Vargas, Eds.). Consejo Veracruzano de Investigación Científica y Desarrollo Tecnológico.
4. Arroyo-Cabrales, J., **R.A. Medellín**, y L. Navarro. 2011. Los murciélagos, aspectos generales y los servicios ambientales en la selva. Pp. 16-31 in Los murciélagos de Calakmul, guía ilustrada (J. Arroyo-Cabrales, A. Gonzalez, D. Canales, F. Leon, M. L. Franco, L. Navarro y J. A. Vargas, Eds.). Consejo Veracruzano de Investigación Científica y Desarrollo Tecnológico.
5. J. A Vargas, G. Escalona, **R. A. Medellín**, J. Arroyo y F. León. 2011. Importancia de las áreas naturales protegidas en Campeche. Pp. 32-58 in Los murciélagos de Calakmul, guía ilustrada (J. Arroyo-Cabrales, A. Gonzalez, D. Canales, F. Leon, M. L. Franco, L. Navarro y J. A. Vargas, Eds.). Consejo Veracruzano de Investigación Científica y Desarrollo Tecnológico.
6. Ceballos, G., C. Chavez, R. List, H. Zarza, and **R. A. Medellín**, editors. 2011. Jaguar conservation and management in Mexico, case studies and perspectives. TELMEX/WWF-TELCEL/UNAM. Mexico
7. Gerardo Ceballos, Rurik List, **Rodrigo A. Medellín**, Cristian Bonacic, Jesus Pacheco. 2010. Los felinos de américa. Cazadores sorprendentes. TELMEX, U.N.A.M.
8. Gerardo Ceballos, Paul R. Ehrlich, Rurik List, **Rodrigo A. Medellín**. 2009. Fauna Mexicana. Esplendor de la naturaleza. TELMEX, U.N.A.M.
9. **Medellín, R.A.**, A. Abreu-Grobois, M.C. Arizmendi, E. Mellink, E. Ruelas, E. Santana C., J. Urbán y E. Inigo-Elías. 2009. Conservación de especies migratorias y poblaciones transfronterizas, en Capital natural de México, vol. II: Estado de conservación y tendencias de cambio. Conabio, México, pp. 459-515.
10. Álvarez-Romero, J., **R. A. Medellín**, A. Oliveras de Ita, H. Gómez de Silva, y O. Sánchez. 2008. Animales exóticos en México. Una amenaza para la biodiversidad. CONABIO-UNAM-SEMARNAT, 502 pp.
11. Ceballos, G., R. List, **R. A. Medellín** y X. de la Macorra. 2008. Naturaleza Mexicana Legado de Conservación. Telmex. 503 pp.
12. **Medellín, R. A.**, H. T. Arita y O. Sánchez. 2008. Identificación de los murciélagos de México, clave de campo, Segunda Edición. Instituto de Ecología, UNAM-CONABIO, 89 pp.
13. Sánchez, O., **R. A. Medellín**, A. Aldama, B. Goettsch, J. Soberón y M. Tambutti. 2007. Método de evaluación del riesgo de extinción de las especies silvestres en México (MER). SEMARNAT, INE, Instituto de Ecología, UNAM, CONABIO.
14. Azuara, D. y **R. A. Medellín**. 2007. Fototrampeo como herramienta para el estudio del jaguar y otros mamíferos en la Selva Lacandona, Chiapas. Pp. 143-153 en Conservación y manejo del jaguar en

- México, estudios de caso y perspectivas (G. Ceballos, C. Chávez, R. List y H. Zarza, editores). CONABIO, WWF, TELCEL Y UNAM.
15. Chávez, C., G. Ceballos, **R.A. Medellín** y H. Zarza. 2007. Primer Censo Nacional del Jaguar. Pp. 133-141 en Conservación y manejo del jaguar en México, estudios de caso y perspectivas (G. Ceballos, C. Chávez, R. List y H. Zarza, editores). CONABIO, WWF, TELCEL Y UNAM.
 16. **Medellín, R. A.** 2007. Prólogo. Pp. IX-X en Historia natural, distribución y Conservación de los Murciélagos de Bolivia (L. F. Aguirre, Editor). Fundación Simón Patiño, La Paz, Bolivia.
 17. **Medellín, R.A.**, D. Azuara, L. Maffei, H. Zarza, H. Bárcenas, E. Cruz, R. Legaria, I. Lira, G. Ramos, O. Gaona, y S. Avila. 2006. Censos y Monitoreos. Pp. 25-35 in El Jaguar Mexicano en el Siglo XXI: Situación Actual y Manejo. C. Chávez y G. Ceballos, Editores. CONABIO, WWF-TELCEL, UNAM. México, D. F., 83 pp.
 18. Porzecanski, A. L., N. Bynum, J.L. Mena, y **R. A. Medellín**. 2006. La Red de Educadores y Profesionales de la conservación: La implementación de un proyecto internacional de educación superior en México. Pp. 389-401, en Educación para la Conservación (A. Barahona y L. Almeida, Editoras). Programa Universitario de Medio Ambiente, UNAM.
 19. Sánchez-Cordero, V., and **R. A. Medellín** (editors). 2005. Contribuciones Mastozoológicas en homenaje a Bernardo Villa. Instituto de Biología e Instituto de Ecología, UNAM, CONABIO. México
 20. Huerta-Patricio, E., K. D. Cameron, G. N. Cameron, and **R. A. Medellín**. 2005. Conservation implications of exotic game ranching in the Texas hill country. Pp. 237-252 in Contribuciones Mastozoológicas en homenaje a Bernardo Villa (V. Sánchez-Cordero y R. A. Medellín, editores). Instituto de Biología e Instituto de Ecología, UNAM, CONABIO. México
 21. Amor, D.C., S.O. Kolokotronis R.R. Ramey II, **R.A. Medellín** y O.A. Ryder. 2005. Genética de la Conservación del Berrendo. Pp. 23-33 *In*: El Berrendo en México, Acciones de conservación. Valdes M, de la Cruz E, Peters E, Pallares E, Editors. Agrupación Sierra Madre & Instituto Nacional de Ecología (INE-SEMARNAT), México DF.
 22. Ceballos, G., J. Arroyo-Cabrales, **R. A. Medellín**, L. Medrano, and G. Oliva. 2005. Diversidad y conservación de los mamíferos de México. Pp. 21-66 in Los mamíferos silvestres de México (G. Ceballos and G. Oliva, coordinadores). CONABIO-Fondo de Cultura Económica, México D. F., México.
 23. Ceballos, G., J. Arroyo-Cabrales, and **R. A. Medellín**. 2005. Lista sistemática de las especies. Pp. 73-95 in Los mamíferos silvestres de México (G. Ceballos and G. Oliva, coordinadores). CONABIO-Fondo de Cultura Económica, México D. F., México.
 24. **Medellín, R. A.**, autor or coauthor with various students of texts on a total of 33 mammal species: *Marmosa mexicana*, *Caluromys derbianus*, *Chironectes minimus*, *Didelphis marsupiales*, *D. virginiana*, *Metachirus nudicaudatus*, *Philander opossum*, *Macrotus waterhousi*, *Glyphonycteris sylvestris*, *Lamproncycteris brachyotis*, *Micronycteris schmidtorum*, *Chrotopterus auritas*, *Trachops cirrhosus*, *Vampyrum spectrum*, *Lonchorhina aurita*, *Lophostoma brasiliense*, *Lophostoma evotis*, *Macrophyllum*

macrophyllum, *Mimon bennetti*, *M. crenulatum*, *Phylloderma stenops*, *Phyllostomus discolor*, *Tonatia saurophila*, *Eptesicus brasiliensis*, *Myotis albescens*, *M. vivesi*, *Pipistrellus subflavus*, *Eumops hansae*, *Spilogale pygmaea*, *Mazama pandora*, *Zygoeomys trichopus*, *Oryzomys couesi* y *Oryzomys melanotis* in the book: Los mamíferos silvestres de México (G. Ceballos and G. Oliva, coordinadores). CONABIO-Fondo de Cultura Económica, México D. F., México.

25. Gaona, Osiris y **R. A. Medellín**. 2004. Los Murciélagos de Tamaulipas. In: La Gran Provincia Natural Tamaulipeca (P. Robles Gil, E. Ezcurra, E. Peters, E. Pallares y A. Ezcurra, compiladores). Gobierno del Estado de Tamaulipas y Agrupación Sierra Madre, Ciudad Victoria, Tamaulipas.
26. Burnie, D. (editor). Soberón, J., **R. A. Medellín** y G. Jiménez (Revisores científicos). 2003. Animal. Santillana. Costa Rica. 624 pp.
27. **R. A. Medellín** y M. D. Tuttle. 2003. Murciélagos. Pp. 79-84 in: GRANDES ESPECTÁCULOS DEL MUNDO ANIMAL. (Mittermeier, R. A., P. Robles Gil, C. G. Mittermeier, T. Brooks, M. Hoffmann, W. R. Konstant, G. A. B. Da Fonseca y R. B. Mast). CEMEX. Japón.
28. E. W. Sanderson, C.-L. B. Chetkiewicz, **R. A. Medellín**, A. Rabinowitz, K. H. Redford, J. G. Robinson y A. B. Taber. 2002. Un análisis geográfico del estado de conservación y distribución de los jaguares a través de su área de distribución. Pp. 551-600 in: EL JAGUAR EN EL NUEVO MILENIO (**R. A. Medellín**, C. Equihua, C.L.B. Chetkiewicz, P.G. Crawshaw Jr., A. Rabinowitz, K.H. Redford, J.G. Robinson, E.W. Sanderson, y A.B. Taber, compiladores). Fondo de Cultura Económica, Universidad Nacional Autónoma de México, Wildlife Conservation Society. México, D. F.
29. E. W. Sanderson, C.-L. B. Chetkiewicz, **R. A. Medellín**, A. Rabinowitz, K. H. Redford, J. G. Robinson y A. B. Taber. 2002. Prioridades geográficas para la conservación del jaguar. Pp. 601-627 in: EL JAGUAR EN EL NUEVO MILENIO (**R. A. Medellín**, C. Equihua, C.L.B. Chetkiewicz, P.G. Crawshaw Jr., A. Rabinowitz, K.H. Redford, J.G. Robinson, E.W. Sanderson, y A.B. Taber, compiladores). Fondo de Cultura Económica, Universidad Nacional Autónoma de México, Wildlife Conservation Society. México, D. F.
30. Taber, A. B., C.-L. B. Chetkiewicz, **R. A. Medellín**, A. Rabinowitz, y K. H. Redford. 2002. La conservación del jaguar en el nuevo milenio. Pp. 629-640 in: EL JAGUAR EN EL NUEVO MILENIO (**R. A. Medellín**, C. Equihua, C.L.B. Chetkiewicz, P.G. Crawshaw Jr., A. Rabinowitz, K.H. Redford, J.G. Robinson, E.W. Sanderson, y A.B. Taber, compiladores). Fondo de Cultura Económica, Universidad Nacional Autónoma de México, Wildlife Conservation Society. México, D. F.
31. **R. A. Medellín**, C. Equihua, C.L.B. Chetkiewicz, P.G. Crawshaw Jr., A. Rabinowitz, K.H. Redford, J.G. Robinson, E.W. Sanderson, y A.B. Taber, compiladores. 2002. EL JAGUAR EN EL NUEVO MILENIO. Fondo de Cultura Económica, Universidad Nacional Autónoma de México, Wildlife Conservation Society. México, D. F.
32. G. Ceballos, J. Arroyo-C., y **R. A. Medellín**. 2002. Mamíferos de México. Pp. 377-413 in: Diversidad y Conservación de los Mamíferos Neotropicales (G. Ceballos y J. A. Simonetti, editores). Comisión Nacional para el Conocimiento y Uso de la Biodiversidad (CONABIO) y Universidad Nacional Autónoma de México, México, D. F.

33. **Medellín, R. A.**, H. T. Arita y O. Sánchez. 1997. Identificación de los murciélagos de México, clave de campo. Publicaciones Especiales, Asociación Mexicana de Mastozoología, A. C., 83 pp.
34. **Medellín, R. A.** 1993. Estructura y diversidad de una comunidad de murciélagos en el trópico húmedo mexicano. Pp. 333-354, en Avances en el estudio de los mamíferos de México (R. A. Medellín and G. Ceballos, eds.). Publicaciones Especiales Vol. 1, Asociación Mexicana de Mastozoología, A. C., México, D. F., 464 pp.
35. **Medellín, R. A.**, y G. Ceballos (editores). 1993. Avances en el estudio de los mamíferos de México. Publicaciones Especiales Vol. 1, Asociación Mexicana de Mastozoología, A. C., México, D. F., 464 pp.
36. **Medellín, R. A.**, O. Sánchez y G. Urbano. 1992. Ubicación zoogeográfica de la Selva Lacandona, Chiapas, a través de su fauna de quirópteros. Pp. 233-251 in: Reserva de la Biosfera de los Montes Azules, Selva Lacandona: investigación para su conservación (M. A. Vásquez-Sánchez y M. A. Ramos, eds.). Centro de Estudios para la Conservación de los Recursos Naturales, A. C., San Cristóbal, Chiapas, México. Publ. Esp. Ecosfera 1:436 pp.
37. **Medellín, R. A.** La Fauna: Diversidad de los Vertebrados. Pp. 75-109, in Lacandonia, El Ultimo Refugio. Universidad Nacional Autónoma de México y Agrupación Sierra Madre. 1991: 153 pp. México, D. F.

5.5 Essays and book reviews (total: 6):

1. **Medellín, R. A.** 2010. Of Lions, and Tigers, and Bears, Oh My! Reintroduction of Top-Order Predators (book review). *Conservation Biology* 24:910-910.
2. **Medellín, R. A.** y D. E. Wilson. 1992. (Review of) Los Murciélagos de Chiapas, por S. T. Alvarez-C. y T. Alvarez. *Journal of Mammalogy*, 73:231-232 (invited by editor).
3. **Medellín, R. A.** 1995. (Review of) Mammal species of the world (D. E. Wilson and D. M. Reeder, eds. Smithsonian Institution Press. *Revista Mexicana de Mastozoología, AMMAC*, México, D. F., 1:77-78 (invited by editor).
4. **Medellín, R. A.** 1998. The guide to a diverse fauna in a complex landscape (Review of the book Neotropical rainforest mammals: a field guide, by Louise Emmons). *Journal of Biogeography* 25: 987 (invited by editor).
5. **Medellín, R. A.** 1999. Sustainable harvest for conservation. *Conservation Biology* 13:225.
6. **Medellín, R. A.** 2000. (Review of) Reid, F. A. 1997. A field guide to the mammals of Central America and southeast Mexico. Oxford University Press, New York. *Journal of Mammalogy* 81:912-914 (invited by editor).

5.6 Popular publications (total: 19):

1. **Medellín, R. A.** 2007. Selvas: otro desastre. REFORMA major newspaper. 15/04/2007

2. **Medellín, R. A.** Asegurar la Biodiversidad. Periódico REFORMA major newspaper.13/05/2007
3. **Medellín, R. A.** Absolutismo y biodiversidad. Periódico REFORMA major newspaper. 24/06/2007
4. **Medellín, R. A.** 250 millones de árboles. Periódico REFORMA major newspaper, 12/08/2007
5. **Krebbs, K, R. A. Medellín, Y. Petryzsyn, A. McIntire, L. Lewis, and D. Dalton.** 2005. Lesser long-nosed bat. Sonorensis, Winter 2005. Newsletter of the Arizona-Sonora Desert Museum. Tucson.
6. **Gaona, O. and R. A. Medellín.** 2005. "The Lacandon Jungle: Bulwark of Biodiversity". Voices of México, No. 72. July-September: Pp.108-112
7. **Medellín, R. A.,** and S. Walker. 2003. Nightly wings, nectar sips. Endangered Species Bulletin, U. S. Fish and Wildlife Service, 28 (3):16-17.
8. **Medellín, R. A.** 2003. Los murciélagos, factor esencial para la recuperación natural de selvas. Boletín UNAM. No. 463
9. **Medellín, R. A.** y O. Gaona. 2001. La cooperación para la conservación: una alianza internacional contribuye a la protección de murciélagos. Andira. Vol. 3 No. 1
10. **Medellín, R. A.** 2000. Emergencia en la Selva Lacandona (Entrevistado por Rosario Manzanos) Revista PROCESO 1228, 14 de mayo de 2000, Pp. 42-44.
11. **Medellín, R. A.** y O. Gaona. 2000. ¿Qué tienen los murciélagos que unos los quieren destruir y otros los quieren salvar? Especies, Revista sobre conservación y biodiversidad , 9:3-8
12. **Tuttle, M. D., D. A. R. Taylor, R. A. Medellín y S. Walker.** 2000. Murciélagos y Minas. Publicación 3A Bat Conservation International/Programa para la Conservación de los Murciélagos Migratorios. Austin, Texas, 56 pp.
13. **Medellín, R. A., S. Walker y M. D. Tuttle.** 2000. Murciélagos, de la superstición al conocimiento de su utilidad ecológica. National Geographic en español, septiembre de 2000 (Conservación en Latinoamérica):1-6.
14. **Medellín, R. A., F. Colchero, C. Manterola, F. Ramírez, y G. Ceballos.** 1999. The Tiburon Island Bighorn Sheep Program: an example of binational, interinstitutional collaboration for conservation and sustainable development in a Mexican Indian and protected area. Wild Sheep, Spring of 1999: 71-72.
15. **Medellín, R. A.** 1999. Los niños, promotores de la salvación de los murciélagos, según un programa México-Estados Unidos (Entrevistado por Rosario Manzanos). Revista Proceso 1180, 13 de junio de 1999, Pp. 64-65.
16. **Medellín, R. A.** 1999. Bat Conservation and PCMM. (Entrevistado por el escrito James Withgott) BioScience, November 1999, Vol. 49, Number 11: 860-861.

17. **Medellín, R. A.** 1996. Reserva de la Biósfera Montes Azules. *Gaceta Ecológica*, SEMARNAP-INE, 38, primavera de 1996: 23-26.
18. Navarro, L., J. Arroyo and **R. A. Medellín.** 1996. Bat awareness in Mexico begins with children. *Bats magazine*, 14(3):3-6.
19. **Medellín, R. A.** La Selva Lacandona. *Arqueología Mexicana*, Nov.-Dic. de 1996, Vol. IV, No. 22:64-69.
20. **Medellín, R. A.** 1995. El borrego Cimarrón. *Gaceta Ecológica*, SEMARNAP-INE, 37, Diciembre de 1995: 19-21.
21. **Medellín, R. A.** 1991. La Selva Lacandona: Pasado. *Oikos*, 10: 2. Centro de Ecología, UNAM.
22. **Medellín, R. A.** 1991. La Selva Lacandona: Presente y Futuro. *Oikos*, 11: 2. Centro de Ecología, UNAM.
23. **Medellín, R. A.** 1991. The Selva Lacandona: An overview. *Tropical Conservation and Development Newsletter*, 24 (November):1-5. Center for Latin American Studies, University of Florida.

5.7 Other products:

1. Scientific advisor, TV Series Los Últimos Santuarios, Canal 11, 1997-1998.
- 2.- Advisor and technical consultant for the exhibit "Amos de la Noche", presented in Papalote, Museo del Niño, 1996.
- 3.- Consultant and technical responsible for the exhibit "Amos de la Noche", presented in the Museo de Historia Natural, Chapultepec, 1997-1998.
- 4.- Academic coordinator and coproducer of the TV series DIVERSIDAD BIOLÓGICA Y DESARROLLO SUSTENTABLE EN MÉXICO: LA CONSERVACIÓN Y EL APROVECHAMIENTO COMO ALTERNATIVAS. Sistema de Universidad Abierta, UNAM/EDUSAT. August 1998.

6. Other recognitions and appointments

6.1. Recognitions:

- a. First place (with Clementina Equihua and Héctor Arita) in the First Contest of Slide and Sound Shows in Zoology, AUDIOVIZOOL, School of Sciences, UNAM, with the audiovisual "Hábitos Alimenticios de los Murciélagos" (food habits of bats).
- b. Honorary Mention (shared with Clementina Equihua) in the Second National Contest of Scientific Photography, with the slide "Cazador y Presa" (Hunter and prey).
- c. Awarded master's bypass by the School of Forest Resources and Conservation due to abilities demonstrated in coursework (October, 1987)
- d. University of Florida's Presidential Recognition award for academic excellence, received in March, 1988.

- e. Recipient of the Program of Incentives to the Academic Productivity (PRIDE), UNAM, level B 1995-2000
- f. PRIDE level C since 2000.
- g. National System of Researchers level 1 since 1992, renewed in 1995, 98, and 2001. Level 2 since 2004.
- h. Member of The Evaluation Committee, UNAM, DGAPA, since 1998
- i. Member of the Mexican Academy of Sciences since 1999.
- j. Member of the Evaluation Committee, Natural Sciences, National Council of Science and Technology, 1993-1998 and 2005-present.

6.2. Editorial and evaluation Committees:

Associate Editor of the following professional journals:

Journal of Mammalogy July 2005 to 2010.

Mastozoología Neotropical April 2003-2008.

Conservation Biology September 2003-2011.

Acta Chiropterologica, the International Journal of Chiropteran Biology, June 2002-2011

ORYX, the International Journal of Conservation since April 2002-2011

REVISTA MEXICANA DE MASTOZOLOGIA, Asociación Mexicana de Mastozoología, A. C., de 1988 a la fecha

Editor of the journal "ZACATUCHE", Publisher by the Mexican Society of Mammalogists 1984-1986.

- c) Member of the following Grant Selection Committees: CONACYT (Natural Sciences), Mexican Fund for Nature, Bat Conservation International, Wildlife Conservation Society, Conservation Leaders Programme, British Petroleum, Conservation International, IUCN-Species Survival Commission, Convention for Migratory Species
- d) Referee for project evaluation, CONACYT, CONABIO, Wildlife Conservation Society, New York Zoological Society, Conservation International, Bat Conservation International and Fondo Mexicano para la Conservación de la Naturaleza, CONSERVA (DDF).

6.3. **Manuscript review** in the last 3 years for the following journals:

- a. PLOS Biology
- b. PLOS ONE
- c. Proceedings of the National Academy of Sciences (PNAS)
- d. Journal of Mammalogy
- e. Biotropica

- f. Oecologia
- g. Ecology
- h. Oryx Flora and Fauna International
- i. Biological Conservation
- j. Journal of Applied Ecology
- k. Biodiversity and Conservation
- l. Conservation Biology
- m. Acta Chiropterologica

7. Scientific societies:

Asociación Mexicana de Mastozoología, A. C. (founding and life member, 1983)
 American Society of Mammalogists (life member, 1981)
 Sociedad Mexicana de Zoología since 1986
 Sociedad Mexicana de Historia Natural since 1986
 Mexican Academy of Sciences since 1999
 Bat Conservation International (invited member since 1982)
 Ecological Society of America 1988-2001
 Association for Tropical Biology since 1989
 Society for Conservation Biology since 1985

8. Grants and support:

Becas y apoyos

2000-2014: CONACYT, \$ 3,644,000 pesos; CONANP-SEMARNAT, \$ 180,000; UC-MEXUS, \$ 25,000 USD; The JRS Biodiversity Foundation, \$ 160,000 USD; ROLEX Awards for Enterprise, \$ 50,000 USD; CONACYT, \$ 4,230,000 pesos; CONANP, \$ 340,000; CONABIO, 260,000; Corredor Biológico Mesoamericano, \$ 1,230,000; U.S. Fish and Wildlife Service, \$ 50,000 USD; The Rufford Small Grants Program, £ 5,000; £ 5,000; £ 5,000; £ 5,000; The V. Kann Rasmussen Foundation, \$ 50,000 USD; Instituto Nacional de Ecología, \$ 85,000; CONACYT, 1,230,000; Alianza Telcel-WWF, \$1,300,000; CONANP, \$ 480,000; The Whitley Fund for Nature: £ 30,000; £ 50,000; £ 50,000; £ 50,000. VW de México, \$ 50,000 USD; Wildlife Trust, \$ 25,000 USD; 20,000 USD; 20,000 USD. The Disney Endangered Species Fund, \$ 25,000 USD; \$ 30,000 USD; Sea World, \$ 25,000 USD; \$ 30,000; CONANP, \$ 120,000; The Mohammed Bin Zayed Endangered Species Fund, \$ 30,000 USD. Other minor support from Bat Conservation International, American Society of Mammalogists, Idea Wild, and others.

2000. John D. and Catherine T. MacArthur Foundation, support for studies on ecology of disturbance in the Selva Lacandona, Chiapas

1999. El Fondo Mexicano para la Conservación de la Naturaleza otorgó el apoyo para el Programa para la Conservación de los Murciélagos Migratorios (PCMM), \$ 320,000.

1998-99.- Diversos apoyos provenientes del U.S. Fish and Wildlife Service, Arizona-Sonora Desert Museum, Bat Conservation International, y otras, para el Programa para la Conservación de los Murciélagos Migratorios (PCMM).

1996.- El Fondo Mexicano para la Conservación de la Naturaleza otorgó apoyo complementario para el Programa de Conservación de los Murciélagos Migratorios.

1995. Bat Conservation International otorgó el apoyo inicial para el establecimiento del Programa para la Conservación de los Murciélagos Migratorios.

1994.- Fundación MacArthur/Centro de Ecología, otorgaron apoyo adicional para proyectos de investigación y conservación en la Selva Lacandona.

1994.- Conservación Internacional otorgó apoyo complementario para el estudio Ecología de la perturbación en la Selva Lacandona.

1994.-CONACYT, Granivoría y Herbivoría por roedores en la Reserva de la Biosfera Sierra de Manantlán, CONACYT.

1993.- Fundación MacArthur/Centro de Ecología, otorgaron apoyo para proyectos de investigación y conservación en la Selva Lacandona.

1990.- Beca de la Dirección General de Asuntos del Personal Académico, Universidad Nacional Autónoma de México, a través del Centro de Ecología, para finalizar estudios de doctorado, Enero de 1990-diciembre de 1991.

1989.- Apoyo de la School of Forest Resources and Conservation, University of Florida para viajar al V International Theriological Congress en Roma, Italia, para presentar dos trabajos.

1989.- El World Wildlife Fund otorgó apoyo para el proyecto Ecology and conservation of mammals in the Mayan rainforest of southern Mexico.

1989.- Wildlife Conservation International (New York Zoological Society) otorgó apoyo complementario para el proyecto Ecology and conservation of mammals in the Mayan rainforest of southern Mexico.

1986.- Beca CONACyT # 52701 para desarrollar estudios de doctorado. Esta beca incluye gastos de colegiatura (tuition), póliza de seguro y un estipendio mensual, por cuatro años. Enero de 1987-Diciembre de 1990.

9. Some recent invited seminars and plenary conferences

Invited Seminar, University of Ulm, Institute of Experimental Biology, Ulm, Germany, July 24th, 2014

Invited Seminar, University of Washington, Seattle, Department of Biology, Seattle, Washington, April 14th, 2014

Guest lecturer, Hofstra University, Long Island, New York, March 28th 2014

Invited Seminar, Institute for Mexican Studies, CUNY, City University of New York, Bronx, New York, March 31, 2014

Invited Seminar, Texas Tech University, Lubbock, Texas, Marzo 12 de 2014

Member of the Scientific Council of the Instituto Regional de Biodiversidad, An advisory body to the Ministers of the Environment of Central America. El Zamorano, Tegucigalpa, Honduras.

Invited inaugural Plenary Speaker, 16th International Bat Research Conference and 43rd North American Symposium of Bat Research, San José, Costa Rica, August 12th, 2013

Invitado a ser el Orador de Inicio del Ciclo Escolar de la Escuela de Biología, Universidad de Costa Rica, marzo 3, 2013

Invited Seminar Columbia University, Department of Ecology, Evolution, and Environmental Science (E3B), New York, November 20th, 2012

Invited Seminar, North American Pollinator Protection Campaign, Environmental Protection Agency, Washington, D. C., October 18, 2012

Invited lecture, Smithsonian Tropical Research Institute, Barro Colorado Island, Panama, Symposium Memorial Elisabeth K.V. Kalko, August 21st, 2012

Invited Seminar, Zoological Society of London, London, U.K., May 11th, 2012

Invited Seminar, Faculty of Superior Studies Zaragoza, UNAM, november 15th, 2011.

Opening Plenary invited: National Congress of Veterinary Medicine, San José, Costa Rica, November 4th, 2011

Invited Seminar, University of Costa Rica, San Jose, Costa Rica, August 3rd, 2011

Invited Talk, Wild Felid Association Meeting, in Bozeman, Montana, May 3rd, 2011: Jaguars in Peril: the next 100 years.

Invited Seminar, School of Natural Resources, University of Arizona, April 23rd, 2010

Guest Seminar for the Kenya Wildlife Service on Mexican biodiversity and conservation programs, October 8th, 2009

Plenary Lecture, Latin American Rabies Congress, Puebla, Mexico, November 9th, 2009

Invited lecture, Universiti Malaysia in Sabah, Sabah, Borneo. July 26, 2009. Coordinated by the Mexican Embassy in Malaysia

Invited Lecture, Chinese Academy of Sciences, Beijing, July 14th, 2009. Coordinated by the Mexican Embassy in China

Plenary lecture invited by the President of the University of Hidalgo, Pachuca, Hidalgo, Mexico, February 12, 2009.

Guest speaker, University of Guerrero, Chilpancingo, Guerrero, October 27, 2008.

Seminar for the Department of Wildlife Ecology and Conservation, University of Florida, October 1, 2007.

Plenary Inaugural Lecture of the 14th Annual Conference, The Wildlife Society, Tucson, Arizona, 23 September 2007.

Plenary Lecture in the II Congreso Nacional de Mastozoología en Bolivia, La Paz, Bolivia, 18 May 2006.

Seminar for the Cambridge Conservation Forum, Cambridge, UK, November 25th, 2004

Seminar for Bat Conservation Trust, London, UK, November 24th, 2004

Seminar for the Center of Conservation Biology, Stanford University, April 2004.

Seminar for the National Zoological Park, Genetics Department, Washington, D. C., March 2003.

Seminar for the U. S. National Museum of Natural History, Smithsonian Institution, Washington, D. C., March 2003.

Invited talk to the 5th World Parks Congress, 8-17 September 2003, Durban, South Africa: The protected areas of Mexico: overview, achievements, and challenges

Invited talk to the 5th World Parks Congress, 8-17 September 2003, Durban, South Africa: Bighorn sheep management and community development in the Gulf of California

Seminar for the Department of Ecology, Evolution, and Environmental Biology (E3B), Columbia University, in October 2002.

Seminar: Mexico's Program for the Conservation and harvest of Wildlife. en el Department of Biology, Texas A&M University, College Station, Texas, April 5, 2001.

Invited talk to the VI International Theriological Congress, Sydney, Australia, July 1993: Conservation of Mammals in a lumpy world. K. H. Redford, J. Sendzimir, **R. A. Medellín**, and C. S. Holling. Presented by R. Medellín.

Plenary Inaugural talk, XVIII Congreso Nacional de Zoología, Morelia, Michoacán, Noviembre de 1995.

Plenary Magistral Inaugural Conference, I Reunión del Colegio de Biólogos de Chiapas, Octubre de 1995.

Various invited talks 1-2 times a year at Museo de las Ciencias Universum since 1995.

Magistral conferences to present the Programa de Conservación y Manejo de Vida Silvestre to the media, high-level government officers, etc., INE-SEMARNAP, november 1996-July 1997.

Circuit of conferences in various institutions in Mexico and the U. S. to present the Programa de Conservación y Manejo de Vida Silvestre INE-SEMARNAP, 1996-1998.

Invited talks to the Seventh International Theriological Congress, Acapulco, Guerrero, september 1997:

1. Migratory bats: research and conservation priorities and perspectives.
2. Mammal diversity and conservation in Latin America.

Invited to coordinate the round table on vampire bat control, 11th International Bat Research Conference, Pirenópolis, Brasil, august 1998.

Magistral Conference invited 23 World Montessori Congress, Cancún, Quintana Roo, july 1999: diversidad y conservación de la vida silvestre mexicana.

Seminar, Department of Ecology and Evolutionary Biology, University of Tennessee, Knoxville, 3 march 2000: Bat diversity and abundance as indicators of disturbance in Neotropical rainforests.

Magistral Conference in the XI Annual Conference of the Rio Bravo Association, Texas A&M University, Kingsville, Texas, March 31, 2000: The Program for Recovery and Conservation of the Priority Species in Mexico.

Seminar in the Department of Biology, Texas A&M University, College Station, Texas, April 5 2001.

Lecture in the San Diego Natural History Museum, Horns and Hooves, Flats and Peaks: bighorn sheep and pronghorn antelope conservation and recovery in Mexico. May 10, 2001.

47 talks in international scientific meetings and 33 talks in national meetings.

9. Presence in the media.

Rodrigo appears in national and international press, radio, and television. Usually he appears anywhere between 8 and 20 times each in radio, TV, and printed media each year in the United States, Mexico, Europe, and other countries. Some notable appearances:

During four months of 2013, London's BBC produced a documentary entitled The Bat Man of Mexico, referring the life and work of Rodrigo A. Medellín. This one-hour-long film was directed by

Tom Mustill, narrated by Sir David Attenborough, and nominated for the Panda Award of the Bristol WildScreen Festival, 2014. It has aired in BBC-2 on several occasions and is part of the series Natural World.

<http://www.bbc.co.uk/programmes/p020tnx3>

Many links show his appearances. A few are indicated below:

10. Human resources:

8.1. Theses directed:

Undergraduate level (total 36):

1. Daniela Adriana Cafaggi Lemus. 2019. Diversidad de murciélagos en cuatro zonas arqueológicas del estado de Yucatán: Chichén Itzá, Dzibilchaltún, Ek' Balam y Uxmal. Facultad de Ciencias, Universidad Nacional Autónoma de México (UNAM)
2. Abigail Martínez Serena. 2017. EVALUACIÓN DEL ENSAMBLE DE MURCIÉLAGOS INSECTÍVOROS AÉREOS EN PLANTACIONES DE PALMA DE ACEITE (*Elaeis guineensis*) EN LA SELVA LACANDONA, CHIAPAS, MÉXICO. Facultad de Ciencias, UNAM, 9 de marzo de 2017.
3. Alma Rosa Moreno Perez. 2017. Selección de refugio por *Desmodus rotundus* e interacciones interespecíficas. Facultad de Ciencias, UNAM, 11 de abril de 2017.
4. Begoña Iñarritu Castro. 2017. Facultad de Ciencias, UNAM, 22 de agosto de 2017.
5. Crysia Marina Rivero Hernández. 2016. Los murciélagos tienderos como dispersores de semillas grandes en la Selva Lacandona, Chiapas, México. 18 de agosto de 2016.
6. Thalía Cecilia Vargas García. 2014. Genética de la Conservación del murciélago de cabeza aplanada *Myotis planiceps* en Los Pinos, Coahuila. Facultad de Ciencias, UNAM, 29 de septiembre de 2014.
7. Miryam Prado Lallande 2014. Informe de Trabajo Profesional realizado en la Comisión Nacional de Áreas Naturales Protegidas: Conservación de ocho especies en riesgo. Facultad de Ciencias, UNAM, 28 de agosto de 2014.
8. Leonora Torres Knoop. 2014. Refugio de apareamiento de *Leptonycteris nivalis*: modelación y búsqueda de un recurso limitante. Facultad de Ciencias, UNAM, 18 de agosto de 2014.
9. Ruben Salinas Galicia. 2013. *Ipomoea murucoides* (convolvulaceae) como recurso de invierno para *leptonycteris nivalis* (phyllostomidae) en Tepoztlán, Morelos, México. Facultad de Ciencias, UNAM, 24 de junio de 2013
10. Paulina Núñez Rojo. 2011. Ecología del refugio de verano del murciélago endémico mexicano de cabeza plana (*Myotis planiceps*). Facultad de Ciencias, UNAM, 18 de marzo de 2011.
11. Guillermo Muñoz Lacy. 2010. Efecto del murciélago vampiro común *Desmodus rotundus* (E. Geoffroy, 1810) sobre hatos de ganado vacuno de Hueytamalco, Puebla. 1 de diciembre de 2010.
12. Lopez Segurajauregui, Gabriela. 2010. Dieta del murciélago magueyero mexicano *Leptonycteris nivalis* (Chiroptera: Phyllostomidae) en cuatro cuevas del centro de Mexico. Facultad de Ciencias, UNAM. 5 de noviembre de 2010.
13. Angélica Menchaca Rodríguez. 2010. Determinación de la dieta de dos especies de murciélagos vampiros (*Desmodus rotundus* y *Diphylla ecaudata*), utilizando un método no invasivo, del Noreste de Puebla, México. Facultad de Ciencias, UNAM, 25 de octubre de 2010.

14. Karla Patricia Toledo Gutiérrez. Hábitos reproductivos del murciélago magueyero mayor *Leptonycteris nivalis* (CHIROPTERA: PHYLLOSTOMIDAE) en la “Cueva del Diablo”, Tepoztlán Morelos, México. Facultad de Ciencias, UNAM, 20 de marzo de 2009.
15. Tania Paulina González Terrazas. 2008. Factores ecológicos que influyen en la estructura de la comunidad de murciélagos nectarívoros en Callejones, Colima, México. Facultad de Ciencias, UNAM, Agosto de 2008.
16. Hernández Moreno, Martha Elena 2005. Patrones reproductivos, abundancia relativa y dieta de los murciélagos frugívoros de la Selva Lacandona, Chajul, Chiapas. Esc. Biología, BUAP, Mayo de 2005.
17. Azuara Santiago, Danae. 2005. Estimación de abundancia de mamíferos terrestres en un área de la Selva Lacandona, Chiapas. Facultad de Ciencias, UNAM.
18. Ana Magdalena Soler Frost. Cambios en la abundancia relativa y dieta de *Lontra longicaudis* en relación a la perturbación de la selva Lacandona, Chiapas, México. Facultad de Ciencias, UNAM. 2004.
19. Claudia Galicia Castillo. Diversidad y abundancia de murciélagos en tres cuevas de Guerrero con diferentes niveles de actividad humana. Facultad de Ciencias, UNAM. Junio 2004
20. Alejandro Gómez Nísino. Ecología de pequeños mamíferos postfenómeno “El Niño” en la selva Lacandona, Chiapas. Facultad de Ciencias, UNAM. Junio 2004
21. Luis Antonio Caballero Martínez. Observaciones sobre la conducta reproductiva de *Leptonycteris nivalis* (Chiroptera: Phyllostomidae) en Tepoztlán, Morelos, México. Facultad de Ciencias, UAEMéx. Junio 2004.
22. Leslie Ragde A. Sánchez Talavera. Dieta del murciélago magueyero mayor *Leptonycteris nivalis* (Chiroptera: Phyllostomidae) en la Cueva del Diablo, Tepoztlán, Morelos. Facultad de Ciencias, UAEMéx. Junio 2004.
23. Elsa Georgina O’Farrill Cruz. Dieta y uso de habitat del borrego cimarrón (*Ovis canadensis mexicana*) y el venado bura (*Odocoileus hemionus sheldoni*) en la isla Tiburón, Sonora, México. Facultad de Ciencias, UNAM. Marzo de 2003.
24. Jorge Gabriel Alvarez Romero. Los mamíferos introducidos de México: diversidad, distribución y potencial de impacto y de control. Facultad de Ciencias, UNAM. Marzo 2003.
25. Edmundo Huerta Patricio. Dispersión de semillas por murciélagos y aves en la regeneración de habitats perturbados en un bosque tropical. Facultad de Ciencias, UNAM, Enero 2003.
26. Adán Oliveras de Ita . Dinámica Poblacional e Historia Natural del gorrión serrano (*Xenospiza baileyi*). Facultad de Ciencias, UNAM. Enero de 2002.
27. Heliot Zarza Villanueva. Estructura de la comunidad de pequeños mamíferos en diversos hábitats en la Selva Lacandona, Chiapas, México. FES Iztacala, UNAM. Noviembre de 2001. Mención Honorífica.
28. Juan Guillermo Téllez Zenteno. Migración de los murciélagos hocicudos (*Leptonycteris*) en el trópico mexicano. Facultad de Ciencias, UNAM. Julio de 2001.
29. Rafael Avila Flores. Patrones de uso de cuevas en murciélagos del centro de México. ENEP Iztacala, UNAM. Febrero de 2000. Mención Honorífica. Tesis ganadora del primer premio a la excelencia, Asociación Mexicana de Mastozoología, 2000.
30. Dalia Amor Conde Ovando. Filogenia y estructura genética del berrendo (*Antilocapra americana*) e implicaciones para su conservación. Facultad de Ciencias, UNAM. Septiembre de 2000.
31. María Concepción López Téllez. Composición, diversidad y estructura de una comunidad de murciélagos de la selva Lacandona, Chiapas, México. Escuela de Biología, Benemérita Universidad Autónoma de Puebla. 1998.
32. Luis Bernardo Vázquez Hernández. Dieta y demografía de una comunidad de pequeños roedores

- en dos hábitats contrastantes. Universidad de Guadalajara. Julio 1997. Tesis ganadora del primer premio a la excelencia, Asociación Mexicana de Mastozoología, 1998.
33. César A. Loza Salas. Patrones de abundancia, uso de hábitat y alimentación de la guacamaya verde (*Ara militaris*), en la presa Cajón de Peña, Jalisco, México. Facultad de Ciencias, UNAM. 1997.
 34. Osiris Gaona Pineda. Dispersión de semillas y hábitos alimenticios de murciélagos frugívoros en la Selva Lacandona, Chiapas. Facultad de Ciencias, UNAM, 1997.
 35. Miguel Angel Amín O. Ecología de comunidades de murciélagos en bosque tropical y hábitats modificados en la Selva Lacandona, Chiapas. Facultad de Ciencias, UNAM, 1996.
 36. Apamar Clemente Mendoza. Hábitos alimenticios de dos especies de didélfidos (*Didelphis marsupialis* y *Philander opossum*) en dos hábitats diferentes de la Reserva de la Biosfera Montes Azules, Selva Lacandona, Chiapas, México. Escuela de Biología, Instituto de Ciencias y Artes de Chiapas. 1994.

Master's level (17 theses)

1. Azoulay, Lindsay. 2018. Vocal Plasticity in Urban Bats. Porter School of Environmental Studies, Tel Aviv University, Israel. Exam: February 25, 2018
- Rubio Rocha, Yamel Guadalupe. 2015. Preferencia de hábitat de la guacamaya verde (*Ara militaris* linné) en el Municipio de Cosalá, Sinaloa. Facultad de Ciencias, UNAM. 15 de junio de 2015
2. Rubio Rocha, Yamel Guadalupe. 2015. Preferencia de hábitat de la guacamaya verde (*Ara militaris* linné) en el Municipio de Cosalá, Sinaloa. Facultad de Ciencias, UNAM. 15 de junio de 2015
3. Viquez Rodriguez, Luis Roberto. 2015. Prevalencia de leishmania mexicana y Trypanosoma Cruzi en los murciélagos Carollia Sowellii y Sturnira Lilium bajo dos condiciones distintas de perturbación antropogénica en la Selva Lacandona, Chiapas. Facultad de Ciencias, UNAM. 26 de marzo de 2015
4. Moulin, Elodie. 2015. Recommendations for the Establishment and Operation of Holding Facilities for Confiscated Live Animals in France. XII Master en Gestión, Acceso y Conservación de Especies en Comercio: El marco internacional. Universidad Internacional de Andalucía, Sede Antonio Machado, Sede Baeza, Andalucía, España. April 26, 2015
5. Morrison, Rosalyn. 2015. The Plight of Pangolins: an Investigation into the Illegal Trade in Southeast and East Asia. XII Master en Gestión, Acceso y Conservación de Especies en Comercio: El marco internacional. Universidad Internacional de Andalucía, Sede Antonio Machado, Sede Baeza, Andalucía, España. August 22, 2015.
6. Ureña Ramon, Aseneth. 2015. Dispersión y depredación de semillas de spondias mombin l (anacardiaceae) por animales terrestres en la Selva Lacandona, Chiapas, México. Facultad de Ciencias, UNAM, 18 de agosto de 2015
7. Hernández Mijangos, Luis Arturo. Diversidad y ecología del refugio de murciélagos asociados a sabal mexicana (arecaceae) en un área fragmentada de la Costa de Chiapas, México . Facultad de Ciencias, UNAM, 20 de agosto de 2013.
8. Maradiaga Marin, Maria Fernanda. 2012. Análisis comparativo de los informes anuales y los registros de verificación de las exportaciones de especies CITES en México (2009-2010). X Master en Gestión, Acceso y Conservación de Especies en Comercio: El marco internacional. Universidad Internacional de Andalucía, Sede Antonio Machado, Sede Baeza, Andalucía, España.
9. Bárcenas Rodríguez, Horacio Valdemar. 2010. Abundancia y dieta del linco (*Lynx rufus*) en seis

- localidades de México. Facultad de Ciencias, UNAM, 25 de octubre de 2010.
10. Cerón Martínez, Gerardo. Dispersión y depredación de semillas de la palma *Attalea butyraceae* en un bosque tropical húmedo :efectos de la defaunación. Facultad de Ciencias, UNAM, Noviembre 9, 2009.
 11. J Antonio de la Torre de Lara. Estimación poblacional del jaguar (*Panthera onca*) y abundancia relativa de sus presas en la Reserva de la Biosfera Montes Azules, Chiapas, México. Mayo 25, 2009.
 12. Leonardo J. López Damián. Dieta de *Tadarida brasiliensis mexicana* en el noreste y sur de México en el contexto de la fenología del maíz (*Zea mays*). 4 de septiembre de 2009.
 13. L. Ragde Sánchez Talavera. Community. dynamics of bats at La Selva Biological Station, Costa Rica: 1973 and 2005. Tesis ganadora del Premio Bernardo Villa 2006 otorgado por la North American Society for Bat Research, por “Outstanding Research by a Latin American Student”. Posgrado en Ciencias Biológicas, Facultad de Ciencias, UNAM. Examen: 18 de marzo de 2009.
 14. Ada A. Ruiz C. Análisis y prioridades para la conservación de las cuevas mexicanas. Facultad de Ciencias, UNAM. Examen: 26 de abril de 2006Ada A. Ruiz C. Análisis y prioridades para la conservación de las cuevas mexicanas. Facultad de Ciencias, UNAM. Examen: 26 de abril de 2006
 15. Edmundo Huerta Patricio. Restauración de Potreros con distinta historia de uso en el Ejido de Chajul, Selva Lacandona, Chiapas. Posgrado en Ciencias Biológicas - Restauración Ecológica. Examen:15 de noviembre de 2006.
 16. José Luis Mena. Diversidad y distribución de mamíferos pequeños no voladores en un gradiente altitudinal en la vertiente del pacifico de la reserva de la biosfera El Triunfo, Chiapas. Facultad de Ciencias, UNAM. Agosto 2004
 17. Ivonne Cassaigne Guasco. Modelación del efecto de las epizootias en dos poblaciones de cimarrones (*Ovis canadensis*) en México y el papel de los híbridos con muflón (*O. musimon*) en la conservación del borrego cimarrón. Facultad de Medicina Veterinaria, UNAM. 2004

Doctorate level (5)

1. Cassaigne Guasco, Ivonne. Efecto del suplemento de presas sobre la dieta de pumas y jaguares en desierto de matorral xerófilo. Programa de Doctorado en Ciencias de la Producción y de la Salud Animal, Facultad de Medicina Veterinaria y Zootecnia, UNAM. Examen: 22 de agosto de 2016
2. María Clara Arteaga Uribe. Filogeografía y Evolución del Armadillo (*Dasyus novemcinctus*) en México. Posgrado en Ciencias Biológicas, Facultad de Ciencias, UNAM. Examen: 15 de mayo de 2011
3. Bernal Rodríguez Herrera. Sistema de apareamiento del murciélago blanco *Ectophylla alba* en Costa Rica. Tesis ganadora del Premio Bernardo Villa 2007 otorgado por la North American Society for Bat Research, por “Outstanding Research by a Latin American Student”. Posgrado en Ciencias Biológicas, Facultad de Ciencias, UNAM. Examen: 18 de marzo de 2009
4. Jorge Albino Vargas. Relación de la complejidad y diversidad del hábitat con la diversidad de murciélagos en Campeche. Facultad de Ciencias, UNAM. septiembre de 2008

5. Héctor Gómez de Silva. Reglas de ensamble generales en las comunidades de aves. Facultad de Ciencias, UNAM. Marzo de 2001.

8.3. Examiner at final defenses of 55 students at the undergraduate, master's and doctoral levels. Member of other 11 undergraduate and graduate committees.

11. Languages

English (translates, speaks, writes)

12. Organization of scientific events

Co-President of the Organizing Committee: El Jaguar en el Siglo XXI: La Prespectiva Continental, Mérida, Yucatán, December 7th, 2009.

PRESIDENTE DEL COMITÉ ORGANIZADOR DEL 14TH International Bat Research Conference y el 37th North American Symposium on Bat Research, en Mérida, Yucatán, del 19 al 23 de Agosto de 2007. Participaron casi 400 personas de 33 países. El congreso ha sido aclamado como la mejor conferencia sobre murciélagos a la que han asistido muchos de los participantes.

Organizer, Symposium El Jaguar Mexicano en el Siglo XXI, with the support of the Alliance TELCEL-WWF, SEMARNAT, HOJANAY and BIOCONCIENCIA. 11-14 October, 2005, Cuernavaca, Morelos

Organizer, workshop Jaguars in the New Millennium (in collaboration with Wildlife Conservation Society), 1-5 March, 1999, Cocoyoc, Morelos.

President of the Organizing Committee, 7th International Theriological Congress, Acapulco, Mexico, September 1997.

Organizer, Third meeting for the implementation of the Binational Program for the conservation of Migratory Bats. Centro de Ecología, UNAM. February 6 and 7 1995.

Co-organizer, 24th Annual North American Symposium on Bat Research, Ixtapa, Guerrero, october 1995.

Organizar, Meeting for the implementation of the Binational Program for the conservation of Migratory Bats. Centro de Ecología, UNAM. October 24, 1994, Centro de Ecología, UNAM.

Organizer of the first meeting for the implementation of the Binational Program for the conservation of Migratory Bats. Centro de Ecología, UNAM. September 6 and 7 1990.

Member of the Organizing Committee, Simposio Internacional sobre Mastozoología
Latinoamericana, Cancún, Quintana Roo, junio 28 al 30, 1987.

JUSTIFICATION STATEMENT

To: Thirteenth Meeting of the Conference of the Parties to the Convention on Conservation of Migratory Species of Wild Animals

Considering the Notification 2019/22, which aims to seek nominations from Parties for the new COP-Appointed Councilor Subject Areas, we are proud to indicate the candidature of Dr Tatiani Chapla for the theme of invasive species.

Dr Tatiani Chapla has a doctoral degree in environmental science from the State University of Maringa, Brazil. She developed ecological research on the impacts and management of invasive plant species. Since 2012, she holds a permanent position as an Environmental Analyst in the Ministry of the Environment of Brazil, acting as the technical focal point for invasive species. She has played a central role in the revision and implementation of the National Strategy on Invasive Species. She has also provided valuable advice and technical guidance for definition and implementation of management activities for diseases, weeds, feral animals, marine and freshwater pests. She has been leading the development of the national early detection and rapid response system for invasive species with the aim to prevent further impacts on biodiversity. Regarding international agreements, we would highlight her support for the Convention on Biological Diversity related activities, including her attendance in the Expert Workshop on Invasive Alien Species in Preparation for the 22nd Meeting of the Subsidiary Body on Scientific, Technical and Technological Advice, as well her active participation in the online discussion forum convened to subsidize the Ad Hoc Technical Expert Group on Invasive Alien Species accordingly to COP Decision 14/11. Furthermore, Dr Tatiani Chapla was awarded by the Australian government with a fellowship under the Endeavour Leadership Program. She spent six months in Australia presenting Brazilian initiatives on invasive species and learning about Australian biosecurity and biodiversity conservation policies and initiatives. Finally, we would like to state that Dr Tatiani Chapla delivers an outstanding performance in her duties, demonstrating technical excellence and high commitment.

In the view of the above details, we would be grateful if you could consider the nomination of Dr Tatiani Chapla. We are sure she would greatly contribute to the CMS bodies in order to support invasive alien species management and ensure the conservation of migratory species.

DECLARATION

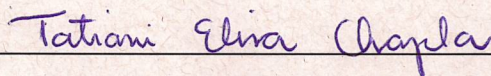
To: Thirteenth Meeting of the Conference of the Parties to the Convention on Conservation of Migratory Species of Wild Animals

Considering the Notification 2019/22, which aims to seek nominations from Parties for the new COP-Appointed Councilor Subject Areas, and the proposed nomination by the Brazilian government for the theme of invasive species, I would like to state my interest and availability to accept the appointment, if selected.

I have been working with invasive species management for around 10 years, including a background in ecological research and as a policy officer at the Ministry of the Environment of Brazil. I would be most honoured to represent the field under the CMS - Convention on Conservation of Migratory Species of Wild Animals. Invasive species are an urgent matter to migratory species and I am very keen to contribute to the CMS bodies on the prevention and mitigation of the impacts caused by invasive species and the conservation of migratory species.

Finally, I would like to express readiness to take part in the COP-Appointed Councilor Subject Areas, if selected for the theme of invasive species.

Brasilia, 13 February 2020



Tatiani Elisa Chapla

Curriculum Vitae for Tatiani Chapla

PERSONAL INFORMATION

Full name: Tatiani Elisa Chapla

Citizenship: Brazilian

Date of Birth: 26/April/1984

Gender: Female

Institutional address: Esplanada dos Ministérios, Bloco B, Sala 808, Brasília-DF, Brazil, CEP: 70.068-900

Telephone: +55 6120282545

Email: tatiani.chapla@mma.gov.br; tatianichapla@gmail.com

ACADEMIC QUALIFICATIONS

Doctor of Science in Ecology of Inland Water Ecosystems (2010-2014)

State University of Maringa, State of Parana, Brazil

Thesis title: Biological invasion and management of invasive guava (*Psidium guajava* L.) in the initial succession at abandoned pastures in the Upper Parana River Floodplain. Scholarship from the Coordination for the Improvement of Higher Education Personnel, Brazil

Master of Science in Ecology of Inland Water Ecosystems (2007-2009)

State University of Maringa, State of Parana, Brazil

Thesis title: Recruitment of soil seed bank components at abandoned pastures in the Upper Paraná River Floodplain, Brazil (passed with Honours)

Scholarship from the National Council for Scientific and Technological Development, Brazil

Bachelor of Education and Bachelor of Science in Biological Sciences (2002-2007)

State University of West Paraná, State of Paraná, Brazil

ADDITIONAL QUALIFICATION

Professional Development Program on Invasive Alien Species Management (08/2018 – 12/2018)

Endeavour Executive Fellowship, Endeavour Leadership Program, Department of Education and Training, Australian Government

Host organisations: CSIRO - Commonwealth Scientific and Industrial Research Organisation, CISS – Centre for Invasive Species Solutions; and NSW DPI – New South Wales Department of Primary Industries

CURRENT EMPLOYMENT

Employer: Ministry of the Environment of Brazil

Permanent Official Position: Environmental Analyst

Date: since January 2012

Branch: Secretariat of Biodiversity, Department of Species Conservation and Management

Field of responsibility: development of public policies, regulation, strategies, programs and projects for biodiversity conservation, focused on invasive alien species management.

Main activities and functions:

- Coordination of the preparation and implementation of regulations, national strategies, plans and projects on invasive alien species management involving discussions and negotiation with stakeholders as industry, academia, and community;
- Developing strategies to implement, support for preparation of national reports and defining positions, answering notifications and attending technical meetings on international agreements and initiatives, including the Convention on Biological Diversity, the Sustainable Development Goals (Agenda 2030), the Intergovernmental Science-Policy Platform on Biodiversity and Ecosystem Services, the Convention on the Conservation of Migratory Species of Wild Animals, the Ramsar Convention on Wetlands of International Importance, and the Convention on International Trade in Endangered Species of Wild Fauna and Flora;
- Fundraising activities focused on international cooperation project preparation, application, management, and implementation, especially projects funded by the Global Environment Facility;
- Chair of the Technical Advisory Group for the National Strategy on Invasive Alien Species and delegated to workgroups and committees, including the Technical Committee on Invasive Alien Species under the National Commission on Biodiversity, the Permanent National Committee of Wild Boar Management and the Technical Advisory Group for the National Wild Boar Control Plan, the National Committee of Botanic Gardens and the Manager Committee of the Brazilian Museums System;
- Responsible for technical subsidies to decision making and negotiation processes, including writing technical opinions about documents and normative proposals, as laws and decrees related to or with implication for invasive alien species management and biodiversity conservation;
- Identification of opportunities and engagement for collaboration with domestic and international partners;
- Acting as a liaison officer between the Ministry of the Environment and subordinate agencies to coordinate planning and implementation of policies and actions;
- Responsible for conception and writing terms of reference, selection, and coordination of technical consultants;
- Planning and coordination of events as meetings, workshops, seminars and training courses, including group facilitation.

Relevant work and accomplishments:

- Review of the National Strategy on Invasive Alien Species and preparation of the Implementation Plan (2017-2018, leader of the activity);
- Approval of the proposal for training course “Course on rapid identification of invasive alien species for government regulators” under the Global Taxonomy Initiative with financial support from the Government of Japan through the Japan Biodiversity Fund (2017; co-applicant and event coordinator);
- Coordination of preparation of Invasive Species National Control Plans (2016-2018; leader for Feral Pigs and Golden Mussel, team member for Sun Coral);
- Approval of the National Strategy for the Conservation of Threatened Species Project (PROSPECIES) by the Global Environment Facility (2015-2016; leader for the invasive alien species component and team member for the whole project);
- Establishment of an agenda for invasive alien species at the Ministry of the Environment of Brazil (2012-2015; leader of the activity);
- Approval of the Brazilian red list update by the Minister of the Environment (2014; team member).

Positions held

Deputy General Coordinator of Species Conservation (May 2017 to July 2018)

Deputy Coordinator of Species Conservation (March to May 2017)

Deputy Manager of Species Conservation (February to March 2017)

Field of responsibility: development of public policies, regulation, strategies, programs and projects for biodiversity conservation, focused on threatened species conservation and invasive alien species management.

Main activities: team coordination, delegation of tasks, management of stakeholders, and report to a board of directors.

PROFESSIONAL MEMBERSHIPS

Ministry of the Environment of Brazil Employees Association (since 2013)

Regional Council of Biology, 7th region (since 2008)

RELEVANT PUBLICATIONS

Pombo, V.B.; Coradin, L.; Silva, A.J.R.; Chapla T.E. Políticas públicas e a gestão de espécies exóticas invasoras em águas continentais brasileiras. In: Latini, A.O.; Resende, D.C.; Pombo, V.B.; Coradin, L. (Org.). Espécies exóticas invasoras de águas continentais no Brasil. Brasília-DF: Ministério do Meio Ambiente, 2016, p. 745-769.

Chapla, T.E.; Campos, J.B. Soil seed bank during succession at an abandoned pasture in the upper Paraná river-floodplain, Brazil. Acta Scientiarum. Biological Sciences, v. 33, p. 59-69, 2011.

Chapla, T.E.; Campos, J.B. Allelopathic evidence in exotic guava (*Psidium guajava* L.). Brazilian Archives of Biology and Technology, v. 53, p. 1359-1352, 2010.

LANGUAGES

Portuguese: native language

English: fluent (listening, speaking, reading, writing)

Spanish: fluent (listening, reading); intermediate (speaking, writing)

HOBBIES

Growing plants, bushwalking, and reading.

REFEREES

Marilia Marques Guimaraes Marini

Director of the Department of Species Conservation and Management

Ministry of the Environment of Brazil

Telephone: +55 6120282132

E-mail: marilia.marini@mma.gov.br; marilia.marini@gmail.com

Joao Batista Campos

Executive Secretary of the Environmental Council of Parana State

Secretariat of Environment and Water Resources of Parana State, Brazil

Telephone: +55 4133047771

E-mail: jbcampos@sema.pr.gov.br; joabatistacampos1@gmail.com