

ANNEX 2

**FULL NOMINATIONS OF CANDIDATES FOR THE POSITION OF THE COP-APPOINTED
COUNCILLOR FOR THE SUBJECT AREA OF AQUATIC MAMMALS**

NB: The full nominations are presented in the original languages, as they were submitted.

**NOMINATIONS COMPLÈTES DES CANDIDATS AU POSTE DE CONSEILLER NOMMÉ
PAR LA COP POUR LE DOMAINE DES MAMMIFÈRES AQUATIQUES**

*Note : Les nominations complètes sont présentées dans les langues originales, telles
qu'elles ont été soumises.*

**PROPUESTAS DE CANDIDATURAS COMPLETAS PARA EL PUESTO DE
CONSEJERO DESIGNADO POR LA COMISIÓN PARA EL ÁREA TEMÁTICA DE LOS
MAMÍFEROS ACUÁTICOS**

*Nota: Las candidaturas completas se presentan en los idiomas originales, tal como fueron
presentadas.*

NOMINATION OF DR ZAHANGIR ALOM FOR THE ROLE OF
COP-APPOINTED COUNCILLOR – AQUATIC MAMMALS
(submitted by the Government of Bangladesh)

Original: English

Government of the People's Republic of Bangladesh Ministry of Environment,
Forest & Climate Change
Forest-2 Section www.moef.gov.bd

No 1 2.00.0000.067.29.004.13-32

Dated: 28.02.2023

Subject : Nomination to attend the meeting "COP-Appointed Councillors subject areas of aquatic mammals and Climate Change

Reference: E-mail from CMS Secretariat, Dated: 20.12.2022.

The undersigned is directed to inform you that the following person has been nominated as COP-appointed councillors subject areas of aquatic mammals and Climate Change:

Name	Designation	Email & Mobile
MD. ZAHANGIR ALOM, PhD	Country Representative Wildlife Conservation Society - Bangladesh Program (WCS-BD)	Email: zalom@wcs.org +88 01713 228800; +8801712 287283

2. A curriculum vitae of the nominated councillor is attached herewith.
3. This is for your kind information and necessary action.


(Dipak Kumar Chakraborty)

Deputy Secretary

Telephone: 55101026

E mail: forest2moef@mail.com

Office in-Charge

Convention on Migratory Species (CMS)

UN Environment

United Nations Campus in Bonn

Platz der Vereinten Nationen 1.53113 Bonn Germany.

Copy for information (Not in order of seniority):

1. Foreign Secretary (Senior Secretary), Ministry of Foreign Affairs, Dhaka.
2. Additional Secretary (Admin), Ministry of Environment, Forest & Climate Change.
3. Chief Conservator of Forests (Current Charge), Bangladesh Forest Department, Dhaka.
4. Private Secretary to the Hon'ble Minister, Ministry of Environment, Forest & Climate Change.
5. Private Secretary to the Hon'ble Deputy Minister, Ministry of Environment, Forest & Climate Change, Dhaka.
6. Private Secretary to the Secretary, Ministry of Environment, Forest & Climate Change, Dhaka.
7. Md.Zahangir Alom, PhD, Country Representative, Wildlife Conservation Society Bangladesh)
8. Office Copy.

Original: English

CURRICULUM VITAE
OF
MD. ZAHANGIR ALOM *PhD*
Cell: +88 01713 228800; 01712 287283
Email: zalom@wcs.org



CAREER OBJECTIVES

To be a team-player, quietly contribute in the team, deliver high impact, I choose to be in and rejoice in the achievement of the team.

EDUCATION

Name of Degree	Result	Passing Year	Board/Institute
PhD in Zoology	Awarded	2015	Jahangirnagar University, Dhaka, Bangladesh
M.Sc. in Zoology (Wildlife ecology, management and conservation biology)	First class 5 th	2002	Jahangirnagar University
B.Sc. (Hon's) in Zoology	Second class	2001	Jahangirnagar University
H.S.C. (Science)	First Division	1997	Dhaka Board, Bangladesh
S.S.C. (Science)	First Division	1995	Dhaka Board, Bangladesh

JOB EXPERIENCES (LONG TERM)

- Working as *Country Representative & Senior Terrestrial Conservation Program Manager* in the Wildlife Conservation Society Bangladesh, since July 2018.
- Worked as a *Senior Researcher & Project Manager (Combating Wildlife Trafficking, SMART and Sundarbans)* in Wildlife Conservation Society Bangladesh, July 2013 - June 2018.
- Worked as *Coordinator & Researcher* in the Wildlife Conservation Society (WCS) Bangladesh, October 2007 - June 2013.
- Worked as *Project coordinator & Field Researcher* in the Project Sundarbans Tiger (Tiger density, relative abundance and human tiger conflicts), Bangladesh, assisted by Zoological Society of London and Save The Tiger Fund (National Fish and Wildlife Foundation) USA, March 2005- February 2007.

JOB EXPERIENCES (SHORT TERM)

- Worked as a *Trainer* for basic training on the use of SMART in the marine and aquatic environment in Cambodia held during 27 February - 04 March 2017, organized by Fauna & Flora International (FFI), Cambodia.
- Worked as a *Co-trainer* for SMART patrolling training to seven SMART field units from Yala, Bandala, Lunugamwehera, Kumana, Udawalawa and Galoya Valley national parks of Sri Lanka in Yala National Park New Buthawa Circuit Bungalow and Udawalawa National Park Head Quarter in October 2017, organized Department of Wildlife Conservation, Sri Lanka.
- Provided training to 40+ staff of Bangladesh Forest Department working in Sundarbans on Training of Trainer (ToT) for SMART patrolling during May 2016– April 2017.
- Provided basic SMART patrolling training to 300+ staff of Bangladesh Forest Department working in Sundarbans during June 2016 to April 2017.
- Worked as an *Assessor* for IUCN Bangladesh. 2015. Red List of Bangladesh Volume 2: Mammals. IUCN, International Union for Conservation of Nature, Bangladesh Country Office, Dhaka, Bangladesh, pp. xvi+232.
- Worked for Bangladesh Bird Club for *Sorting and Identifying Bird Photographs and Videos in 2007*.
- Worked as *Field Supervisor* in a video documentary project on Sundarbans, Bangladesh, assist by Bangladesh Environment Lawyers Association (BELA) for 10 days in April 2006.

- Volunteer in *Bird Census* in Protected Areas of Bangladesh during 2005-2007 (part time), conducted by *Nishorga* Support Projects of IRG/USAID; *Water Fowl Census 2007 and 2016* in Bangladesh; and *Sorting and identifying bird photographs and videos footages* of Bangladesh Bird Club for in 2007.

PROJECT LEADER / MANAGER (LAST SEVEN YEARS)

- Demand reduction for threatened freshwater turtles and tortoises in Bangladesh (July 2022 – March 2026), UK DEFRA Illegal Wildlife Trade Challenge Fund.
- Protecting tigers in the Bangladesh Sundarbans through strengthened SMART patrols and better detection and understanding of wildlife crime - Phase II (May 2022 – April 2025), US Fish and Wildlife Services.
- Protecting tigers in the Bangladesh Sundarbans through strengthened SMART patrols and improved understanding of wildlife crimes – Phase I (October 2018 – September 2020), US Fish and Wildlife Services.
- Scaling up Enforcement Capacity and Cooperation to Combat Wildlife Trafficking Networks in South Asia (October 2018-March 2023) Funded by US Department of State Bureau of International Narcotics and Law Enforcement Affairs (INL).
- Working with the Government of Bangladesh to strengthen their compliance with CITES CoP17 decisions (September 2017- August 2019) funded by USFWS.
- Strengthening the capacity of the Government of Bangladesh and local communities to sustainably conduct SMART wildlife enforcement patrols and practical ecological monitoring in the Sundarbans (July 2020 – April 2022), a sub-project of *the Support to the Management of the Sundarbans Reserved Forest Project* (SMP-II), which is funded by *Deutsche Gesellschaft für Internationale Zusammenarbeit* (GIZ).
- Getting SMART about saving among the world’s most endangered and iconic wildlife in the Sundarbans mangrove forest, Bangladesh (September 2016 - August 2018), a subproject (September 2016 - August 2018) of *the Management of the Sundarbans Mangrove Forests for Biodiversity Conservation and Increased Adaptation to Climate Change Project* (SMP-I) implemented by *Deutsche Gesellschaft für Internationale Zusammenarbeit* (GIZ).

ACADEMIC RESEARCH

- Alom, Z. 2014. **Ecological and human use characteristics of freshwater dependent cetacean habitat in the Eastern Sundarbans Reserved Forest of Bangladesh.** *Ph.D. Thesis.* Department of Zoology, Faculty of Biological Sciences, Jahangirnagar University, Dhaka, Bangladesh. XV+137pp.
- Alom, Z. 2006. **Study on amphibian fauna of Jahangirnagar University Campus: Species Diversity, Habitat preference and Food habit.** *M.Sc. Dissertation,* Department of Zoology, Faculty of Biological Sciences, Jahangirnagar University, Dhaka, Bangladesh.
- Alom, Z. 2004. An ecological Study on physical features, biodiversity and socio-economic condition of southeastern part of Bangladesh. *B. Sc. Honour’s Report.* Department of Zoology, Faculty of Biological Sciences, Jahangirnagar University, Dhaka, Bangladesh.

LEAD AUTHOR- HANDBOOKS, REPORTS AND TOOLS

- *Handbook for Law Enforcement Officers on Combating Illegal Wildlife Trade.* 2020. Forest Department, Ministry of Environment, Forest and Climate Change, Bangladesh and Wildlife Conservation Society, Bangladesh.
- *Species Identification Guide to Commonly Traded Wildlife, Their Body Parts & Products in Bangladesh.* 2020. Forest Department, Ministry of Environment, Forest and Climate Change, Bangladesh and Wildlife Conservation Society, Bangladesh.
- *Handbook for SMART patrol in the Sundarbans Mangrove Forest of Bangladesh,* 2017. Bangladesh Forest Department, Wildlife Conservation Society and *Deutsche Gesellschaft für Internationale Zusammenarbeit* (GIZ).

- *Handbook for Enforcing CITES Regulations and National Laws to Combat Illegal Wildlife Trade in Bangladesh*, 2018. Wildlife Conservation Society Bangladesh, Wildlife Crime Control Unit, Bangladesh Forest Department, Ministry of Environment, Forests and Climate Change.
- *Integrated management plan for the three wildlife sanctuaries for freshwater dolphins in the Eastern Sundarbans Reserved Forest*. 2015. Forest Department and Wildlife Conservation Society Bangladesh, Bangladesh.
- *Research on freshwater dolphin ecology and human activities in the three Wildlife Sanctuaries for Freshwater Dolphins in the Eastern Sundarbans mangrove forest, Bangladesh*. 2014. Wildlife Conservation Society's Bangladesh Cetacean Diversity Project, Khulna, Bangladesh.
- *Socio-economic conditions, sustainable resource use, and alternative livelihoods in three Wildlife Sanctuaries for Freshwater Dolphins in the Eastern Sundarbans mangrove forest, Bangladesh*. 2014. Background document prepared by the Wildlife Conservation Society's Bangladesh Cetacean Diversity Project, Khulna, Bangladesh.
- *Educational outreach, training and consultations in the three Wildlife Sanctuaries for Freshwater Dolphins in the Eastern Sundarbans, Bangladesh*. 2014. Wildlife Conservation Society's Bangladesh Cetacean Diversity Project, Khulna, Bangladesh.
- *Background Document for Developing a Management Plan for Three Wildlife Sanctuaries to Protect Freshwater Dolphins in the Eastern Sundarbans Reserved Forest*. 2011. Wildlife Conservation Society's Bangladesh Cetacean Diversity Project, Khulna, Bangladesh.

PUBLICATIONS (PAPERS, ARTICLES AND BOOK CHAPTERS)

- Alom, Z. 2015. *Platanista gangetica*, *Orcaella brevirostris*, *Sousa chinensis*, *Tursiops aduncus*, *Stenella attenuate*, *Balaenoptera edeni*, *Stenella longirostris*, *Steno bredanensis*, *Pseudorca crassidens*, *Physeter microcephalus*. In: IUCN Bangladesh. *Red List of Bangladesh Volume 2: Mammals*. IUCN, International Union for Conservation of Nature, Bangladesh Country Office, Dhaka, Bangladesh, pp. 107, 118-119, 153-155, 193-197.
- Alom, Z., Mansur, R.M. & Smith, B.D. 2014. Identification and ecological characteristics of freshwater dolphin "hotspots" in the Sundarbans, Bangladesh. In: *Proceedings of the International Symposium on River Biodiversity: GBM River System, Ecosystems for Life, A Bangladesh-India Initiative*. Sinha, Prof. R. K. and Ahmed, Prof. Benazir (eds.). IUCN, International Union for Conservation of Nature and Natural Resources, 360 pp.
- Alom, Z. 2013. Waterways of the Sundarbans: Home to Freshwater Cetaceans. In: *Sundarbans: Rediscovering Sundarbans, The Mangrove Beauty of Bangladesh*. Reza Khan (ed.). Nymphaea Publication, Dhaka. pp16-19.
- Alom, Z. & Mowgli, R.M. 2013. Fishing Gears and Livelihoods of Fringe Communities in the Sundarbans. In: *Sundarbans: Rediscovering Sundarbans, The Mangrove Beauty of Bangladesh*. Reza Khan (ed.). Nymphaea Publication, Dhaka. pp16-19.
- Mansur, R.M., Alom, Z. & Smith, B.D. 2014. Monitoring the mortality of freshwater cetaceans in the Sundarbans, Bangladesh: progress, challenges, and potential. In: *Proceedings of the International Symposium on River Biodiversity: GBM River System, Ecosystems for Life, A Bangladesh-India Initiative*. Sinha, Prof. R. K. and Ahmed, Prof. Benazir (eds.). IUCN, International Union for Conservation of Nature and Natural Resources, 360 pp.
- Smith, B.D., Ahmed, B., Alom, Z. Ahmed, I.U., Mowgli, R.M. & Mansur, E.F. 2010. Review of the conservation status and protected areas for Ganges River dolphins *Platanista gangetica* and Irrawaddy dolphins *Orcaella brevirostris* in the River system of Bangladesh" in the final workshop report for Establishing protected areas for Asian freshwater cetaceans. Krebs, D., Reeves, R.R., Thomas, P.O., Braulik, G.T. and Smith, B.D. (eds.). Yayasan Konservasi RASI, Samarinda, Indonesia, 19-24 October 2009, pp 96-106.
- Several *Photographs* in the book "The Bangladesh Sundarbans", by Enayetullah Khan, published by Wildlife Trust of Bangladesh (WTB), Dhaka, Bangladesh in 2011.
- Several photographs in IUCN Bangladesh. 2015. *Red List of Bangladesh Volume 2: Mammals*. IUCN, International Union for Conservation of Nature, Bangladesh Country Office, Dhaka, Bangladesh, pp.

xvi+232.

- Several *Articles and Photographs* in several **Daily Newspapers, Magazines** of Bangladesh.
- Several *Photographs* in a commemorative publication on SAARC Car Rally 2007 titled **Bangladesh on Wheels**.
- *Photography Exhibition* titled **Migratory Birds of Bangladesh** on 12 May 2007 at TSC, Dhaka University, Bangladesh.

PROFESSIONAL TRAININGS

- Completed the Collaborative Institutional Training Initiative (CITI) Program Course: *Social & Behavioral Research - Basic/Refresher (Curriculum Group), Researchers (Learner Group), Stage 1 – Basic Course*, on 12 August, 2017 <www.citiprogram.org/verify/?w58559673-c767-49d4-95f7f0f746ae620d-24151696>.
- Completed the Collaborative Institutional Training Initiative (CITI) Program Course: *Information Privacy Security (IPS) (Curriculum Group), Social & Behavioral Research (Learner Group), Stage 1 – Basic Course*, on 14 August, 2017 <www.citiprogram.org/verify/?wc1530a69-c81a-48ad-aa53f2d38e8ccd1b-24193272>.
- Received extensive training on *Spatial Monitoring and Reporting Tool (SMART)* software management, patrolling, data collection, analysis and reporting, under the Leadership of Dr Antony J Lynam, Training Lead, Capacity Council, SMART Partnership.
- Completed a two-day training on IUCN Red List Assessment Process, held on 20-21 April, 2014 in Dhaka, Bangladesh.
- Completed a 30 hours basic GIS course from the Urban and Regional Planning Discipline in Khulna University.

INTERNATIONAL TRAININGS AND WORKSHOPS

- Participated in the CITES post COP-19 shark and ray workshop of WCS in New York, USA, held on 30 January – 01 February 2023.
- *Third International Conference on Marine Mammals of South East Asia (SEAMAM III)*, as a *Workshop Leader* for community-based conservation and education, held on 4-10 March 2013, Langkawi Island, Malaysia.
- Participated in the *International Workshop on Establishing Protected Areas for Asian Freshwater Cetaceans* held in Samarinda, East Kalimantan, Indonesia from 19 to 25 October 2009.
- Participated in the *Training Workshop on Capacity Building to Conserve the Otters of Bangladesh*, held on 7-12 October 2014 in Sundarbans, Organized Wildlife Branch, Department of Zoology, Jahangirnagar University and International Otter Survival Fund.
- Participated in the workshop on *conservation of the Mekong River Irrawaddy dolphin*, as a *Contributor*, held from 16 to 18 January, 2017, organized by WWF – Cambodia and the Fisheries Administration of Cambodia, and for ongoing support in the conservation of dolphins in the Mekong River.
- Participated in the *Third International Conference on Marine Mammals of South East Asia (SEAMAM III)*, as a *Workshop Leader* for community-based conservation and education, held on 4-10 March 2013, Langkawi Island, Malaysia.

COMPUTER PROFICIENCY ETC.

- Geographic Information System (GIS), Mapsource, Base Camp; SPSS, Computer fundamentals, Windows, MS Word, MS Excel, PowerPoint, E-mail and Internet, Adobe Photoshop, Adobe Illustrator.

COUNTRIES VISITED

- United States of America
- Thailand
- Cambodia
- Sri Lanka
- Malaysia

- Indonesia
- India

FOREIGN LANGUAGE PROFICIENCY

- **English** : Good Reading, Writing and speaking abilities.
- **Hindi** : Fair Speaking abilities.
- **Arabic** : Fair Reading / writing abilities.

ORGANIZATIONAL INVOLVEMENTS

- Member of SMART Partnership, SMART Taskforce and SMART Marine Taskforce.
- International Trainers for SMART patrolling and software use under SMART partnership.
- *Life member (670)*, **Zoological Society of Bangladesh, Dhaka.**
- Founder *President* of **NATURE** Study and Conservation Club, Jahangirnagar University, Savar, Dhaka-1342.
- Former *Central Advisor* (2007-20017), *Vice President* (2005), and *Assistant General Secretary and Pres & Publication Secretary* (2004), Central Committee of **BADHAN** (a voluntary blood donors' organization), Dhaka, Bangladesh.

HOBBIES & INTERESTS

Wildlife research and conservation, bird watching, wildlife & nature photography, exploratory tour, writing popular articles, reading books, etc.

PERSONAL PROFILE

Name : Md. Zahangir Alom
Parent's name : Alhaj Md. Jalal Uddin and Alhaj Zayeda Khatun
Parent's Occupation : Father-Farmer, Mother-House Wife
Permanent address : Village- Balurchar, P.O- Rani Shimul P.S-
Sribardi, District- Sherpur
Mailing address : House- 312, Road- 03, Sonadanga R/A 2nd Phase, Khulna

Nationality : Bangladeshi (by birth)
Religion : Islam
Date of birth : 26 February, 1981
Marital status : Married
Blood group : O positive (O+)
Height : 1.63 meter
Passport no. : E 0415986
National ID number : 193 434 7905
Contact no(s) : +88 01713228800, 01712287283
E-mail : zalom@wcs.org
Skype : zahangir.wcs

Md. Mofizul Kabir *PhD*
Professor
Department Zoology
Jahangirnagar University
Savar, Dhaka- 1342
Bangladesh
Cell: +880 1715 128 714
Email:
mofizulkabir@yahoo.com

REFERENCES

Brian D. Smith

Marine Wildlife Bycatch Reduction
Initiative, Global Bycatch Program
Wildlife Conservation Society
Marine Technical Advisor: WCS
Bangladesh
Asia Coordinator: IUCN SSC
Cetacean Specialist Group
Tel: (US) 707-826-0381
Cell: (BD) +880 1931 784 999
Skype: Orcaella
Email: bsmith@wcs.org

Antony J. Lynam *PhD*

Conservation Technology Field Solutions
Center for Global Conservation
Wildlife Conservation Society
President: Society for Conservation Biology
Training Lead: Capacity Council, SMART
Partnership
Member: IUCN World Commission on
Protected Areas 2021-2025, and
IUCN Cat Specialist Group 2021-2024
Tel: (WhatsApp, TH) +66-818233606
Skype: wcs.org_tlynam
E-mail: tlynam@wcs.org

SIGNATURE



Dated: 24 February 2023

NOMINATION OF DR PAVEL GOL'DIN FOR THE ROLE OF COP-APPOINTED
COUNCILLOR – AQUATIC MAMMALS

(submitted by the Government of Ukraine)

Original: English



**МІНІСТЕРСТВО ЗАХИСТУ
ДОВКІЛЛЯ ТА ПРИРОДНИХ
РЕСУРСІВ УКРАЇНИ**

вул. Митрополита Василя Липківського,
35

м. Київ, 03035,
тел./факс: (044) 206-31-07,
тел. (044) 206-31-00

E-mail: info@mepr.gov.ua,

Сайт: <https://mepr.gov.ua>

ідентифікаційний код 43672853

**PROTECTION AND NATURAL
RESOURCES OF UKRAINE**

35 Mytropolyta Vasylya Lypkivskogo Str.,

Kyiv, 03035,

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07,

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identification code 43672853

**MINISTRY OF
ENVIRONMENTAL**

26 January 2023

Kyiv, Ukraine

Subject: proposal for the nomination for CMS Scientific Council

Dear Ms. Fraenkel,

In accordance with CMS Notification to the Parties of 20 December 2022 concerning nomination of candidates for the COP-appointed councillors please be advised that following the consultation with the National Academy of Sciences of Ukraine the Ministry of Environmental Protection and Natural Resources of Ukraine is pleased to nominate Dr. Pavlo Goldin, Leading Researcher, Schmalhauzen Institute of Zoology, National Academy of Sciences of Ukraine, as a candidate for the position of the COP-appointed Councillor subject area of Aquatic Mammals.

Please find attached the relevant documents as required by the Notification. Yours

sincerely

Ruslan Hrechanyk
First Deputy Minister

Ms. Amy Fraenkel
Executive Secretary
CMS Secretariat
United Nation Premises in Bonn
Platz der Vereinten Nationen 1
53113 Bonn, Germany



UB
МіндовкІлля
№25/2-11/1249-23 від 26.01.2023
КЕІГ: Гречаник Р. М. 26.01.2023 19:48
58E2D9E7F900307B040000022AD34001958A600
Сертифікат дійсний з 22.07.2022 00:00 до 21.07.2024 23:59

Original: English

НАУКОВИЙ АКАДЕМІЙСЬКИЙ
УКРАЇНСЬКИЙ

ІНСТИТУТ зоології
ІМ. І.І.ШМАЛHAУЗЕНА

вул. Б.Хмельницького, 15
Київ, 01030, Україна

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NATIONAL ACADEMY of SCIENCES
or UKRAINE

SCHMALHAUSEN
INSTITUTE OF ZOOLOGY

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E-mail: iz@izan.kiev.ua

12.01.2023 № 114/26.

_____ Bia _____

Convention on the Conservation of
Migratory Species of Wild Animals (CMS)

Secretariat

Platz der Vereinten Nationen 1, 53113

Bonn, Germany

Tel. (+49 228) 815 2401 Fax. (+49 228)

815 2449 E-mail:

cms.secretariat@cms.int www.cms.int

Hereby the I.1. Schmalhausen Institute of Zoology of National Academy of Sciences of Ukraine nominates Dr. Pavlo (Pavel) Goldin for the position of COPappointed Councillor on Aquatic Mammals.

Appendices:

CV of Dr. Pavlo (Pavel) Goldin,
Declaration by Dr. Pavlo (Pavel)

n Goldin

Director Vitaliy Kharchenko

January 10, 2022

Chernivtsi, Ukraine

To whom it may concern

Hereby I confirm my agreement to be nominated as a candidate for the role as a Councillor on Aquatic Mammals in the CMS led committees and councils and serve as a member of *ad hoc* working groups in the areas concerning marine mammals. My background includes research and conservation work on marine mammals of the Black Sea.

Please do not hesitate to contact me at: pavelgoldin412@gmail.com

Sincerely,

Pavlo Gol'din,

Leading Researcher,

Schmalhausen Institute of Zoology,

National Academy of Sciences of Ukraine

A handwritten signature in black ink, consisting of a large, stylized loop followed by a smaller loop and a short horizontal stroke.

PAVLO (PAVEL) E. GOLDIN, Dr.Sci.



Schmalhausen Institute of Zoology, National Academy of Sciences of Ukraine
Phone: +380-673900118
Email: pavelgoldin412@gmail.com <http://orcid.org/0000-0001-6118-1384> <https://www.scopus.com/authid/detail.uri?authorId=16024435800>
<https://www.webofscience.com/wos/author/record/C-2061-2016>

EDUCATION

Ph.D. Biological Sciences (Zoology) September, 2006
National Academy of Sciences of Ukraine, Schmalhausen Institute of Zoology
Thesis: Postnatal growth of the harbor porpoise *Phocoena phocoena relicta* Abel, 1905 in the Azov and the Black Seas

M.S. Biology, cum laude
Vernadsky Taurida National University May, 2000

PROFESSOR LEVEL COMPETENCE

Dr Sci. (Dr Hab.) in Zoology
National Academy of Sciences of Ukraine, Schmalhausen Institute of Zoology Thesis: Heterochronies in cetacean evolution
April, 2021

Docent in Zoology
Vernadsky Taurida National University April, 2013

INTERNATIONAL GRANTS AND AWARDS

National Research Foundation of Ukraine, grant 2020.02/0247
Integration of mammalian organism as a proxy of stability at aquatic and aerial life (as illustrated by skeleton traits) 2020

ACCOBAMS Secretariat:
Establishing the bank of cetacean tissue samples in Ukraine 2019

ITN, Maria Sklodowska-Curie Actions:
SeaChanges: Thresholds in human exploitation of marine vertebrates (co-supervisor in *Exploitation and collapse of the Black Sea marine fauna*) 2019

DG ENV, European Commission:
CeNoBS: Support MSFD implementation in the Black Sea through establishing a regional monitoring system of cetaceans (D1) and noise monitoring (D11) for achieving GES (research coordinator from Ukraine) 2019

ACCOBAMS Secretariat:
Identification and initial assessment of cetacean groupings in coastal waters of the north-western Black Sea, Ukrainian sector 2016

AREAS OF EXPERTISE

- Mammalian evolution, anatomy and development
- Paleontology of marine mammals
- Populations of marine mammals: structure, dynamics, threats
- Zooarchaeology
- Conservation of marine and coastal areas
- Marine mammals of the Azov and the Black Seas

LANGUAGE SKILLS

PROFESSIONAL EXPERIENCE

Teaching experience

Professor in PhD Studies in Zoology

2017 – present

Schmalhausen Institute of Zoology, National Academy of Sciences of Ukraine

▪ Taught courses:

- Theoretical Morphology ○ Population Biology of Animals
- Paleozoology

Associate Professor in Zoology

2013 – 2014

Department of Ecology and Zoology, Vernadsky Taurida National University
Simferopol, Ukraine

▪ Taught courses:

- Vertebrate Zoology ○ Population Biology of Animals ○ Paleontology

Lecturer, Senior Lecturer, Assistant Professor in Zoology

2005 – 2013

Department of Zoology, Vernadsky Taurida National University
Simferopol, Ukraine

Advisor for Ph.D. students:

- K. Vishnyakova, Thesis: *The harbor porpoise in the Sea of Azov and the north-eastern Black Sea: population morphology and demography* (2017)
- E. Gladilina, Thesis: *Bottlenose dolphins in the waters of the northern Black Sea: biology and population structure* (2018)
- S. Davydenko, Thesis: *Morphological adaptations of cetaceans in transition from semi-aquatic to fully aquatic lifestyle* (2021)
- J. Ivanchikova, Thesis: *The harbour porpoise in the north-western Black Sea: present status, biology and conservation* (by 2023)
- M. Aiken (primary advisor Morten Tange Olsen, University of Copenhagen), Thesis: *Exploitation and collapse of the Black Sea marine fauna* (by 2023)
- V. Telizhenko, Thesis: *Genetic proxies for change in ontogeny rate and longevity of cetaceans* (by 2024) ▪ P. Otriazhyi, Thesis: *Evolution of phocid seals of the Paratethys* (by 2024)

Research experience

Leading Researcher in Zoology

2016 – present

Department of Evolutionary Morphology, Schmalhausen Institute of Zoology,
National Academy of Sciences of Ukraine Kyiv, Ukraine

▪ Research:

- paleontology
- biology of marine mammals
- zoological indicators in ecology and evolution
- Collection management:
 - morphology ○ embryology and histology ○ bank of tissue samples

▪ Projects:

- ITN, Maria Sklodowska-Curie Actions *SeaChanges: Thresholds in human exploitation of marine vertebrates* (scientist in charge from a partner organization)

- *Establishing the bank of cetacean tissue samples in Ukraine* (principal researcher)
- *Integration of mammalian organism as a proxy of stability at aquatic and aerial life (as illustrated by skeleton traits)* (principal researcher)

Senior Researcher

2016 – present

Marine Vertebrates Lab,

Scientific Research Organization “Ukrainian Scientific Centre of Ecology of the Sea” Odesa, Ukraine

- Research and Analysis:
 - biology of marine mammals
 - marine and coastal development

Senior Researcher in Zoology

2014 – 2016

Department of Evolutionary Morphology of Vertebrates, Schmalhausen Institute of Zoology, National Academy of Sciences of Ukraine Kyiv, Ukraine

- Research:
 - paleontology
 - biology of marine mammals

Researcher

2014 – 2015

Museum of Southern Jutland – Natural History and Palaeontology Gram, Denmark

Researcher in Zoology, Curator in Vertebrate Paleontology and Mammals

2000 – 2014

Department of Zoology, Vernadsky Taurida National University Simferopol, Ukraine

Additional Training

The course “Analysis of Organismal Form” by Christian Klingenberg, the University of Manchester 2009
 Training workshop on aerial survey techniques for data collection on biodiversity and anthropogenic activities by Simone Panigada, Tethys Research Institute 2019

PROFESSIONAL INVOLVEMENT

European Cetacean Society, National Contact Person in Ukraine 2008 – present
 IUCN Species Survival Commission, Expert 2021
 Expert Group on Effectiveness Assessment of Research Institutions in Natural Sciences, Ministry of Education and Science of Ukraine, Member 2019 – present
 National Advisory Council on Conservation of Marine Mammals, Ministry of Ecology and Natural Resources of Ukraine, Member 2016 – present
 Working Group on Common Maritime Agenda for the Black Sea and Strategic Research and Innovation Agenda for the Black Sea, Government of Ukraine, Expert 2021
 Sixth National Report of Ukraine on the Implementation of the Convention on Biological Diversity, Editor 2018
 Dzharylgatskyi National Nature Park, Scientific and Technical Council, Member 2018-19, 2021 – present

Reviewer for: Evolution, PLoS One, PeerJ, Journal of Vertebrate Paleontology, Acta Palaeontologica Polonica, Marine Mammal Science, Canadian Journal of Zoology, Fossil Record, Journal of Anatomy, Journal of Morphology, Journal of Mammalogy, etc.

SELECTED PUBLICATIONS

Peer-reviewed papers:

- Dewaele, L., **Gol'din, P.**, Marx, F. G., Lambert, O., Laurin, M., Obadă, T., & de Buffrénil, V. 2022. Hypersalinity drives convergent bone mass increases in Miocene marine mammals from the Paratethys. *Current Biology* 32(1): 248-255.e2 <https://doi.org/10.1016/j.cub.2021.10.065>
- Yu, H., Jamieson, A., Hulme-Beaman, A., Conroy, C. J., Knight, B., Speller, C., Al-Jarah, H., Eager, H., Trinks, A., Adikari, G., Baron, H., Böhlendorf-Arslan, B., Bohingamuwa, W., Crowther, A., Cucchi, T., Esser, K., Fleisher, J., Gidney, L., Gladilina, E., **Gol'din, P.**, Goodman, S. M., Hamilton-Dyer, S., Helm, R., Hillman, C., Kallala, N., Kivikero, H., Kovács, Z. E., Kunst, G. K., Kyselý, R., Linderholm, A., Maraoui-Telmini, B., Morales-Muñiz, A., Nabais, M., O'Connor, T., Oueslati, T., Quintana Morales, E. M., Pasda, K., Perera, J., Perera, N., Radbauer, S., Ramon, J., Rannamäe, E., Grego, J. S., Treasure, E., Valenzuela-Lamas, S., van der Jagt, I., Van Neer, W., Vigne, J.-D., Walker, T., Wynne-Jones, S., Zeiler, J., Dobney, K., Boivin, N., Searle, J. B., Krause-Kyora, B., Krause, J., Larson, G., Orton, D. 2022. Palaeogenomic analysis of black rat (*Rattus rattus*) reveals multiple European introductions associated with human economic history. *Nature Communications* 13, 2399. <https://doi.org/10.1038/s41467-022-30009-z>
- Davydenko, S., Shevchenko, T., Ryabokon, T., Tretiakov, R., **Gol'din, P.** 2021. A Giant Eocene whale from Ukraine uncovers early cetacean adaptations to the fully aquatic life. *Evolutionary Biology* 48: 67-80.
- Davydenko, S., Mörs, T., **Gol'din, P.** 2021. A small whale reveals diversity of the Eocene cetacean fauna of Antarctica. *Antarctic Science* 33(1):81-88.
- Zinenko, O., Vishnyakova, K. A., Stoyanov, L., **Gol'din, P. E.** 2021. The northernmost record of the loggerhead sea turtle, *Caretta caretta* (Testudines, Cheloniidae), in the Black Sea with the review of the species occurrence in the region. *Zoodiversity* 55 (2): 127-132.
- Xie, M., **Gol'din, P.**, Herdina, A.N., Estefa, J., Medvedeva, E.V., Li, L., Newton, P.T., Kotova, S., Shavkuta, B., Saxena, A., Shumate, L.T., Metscher, B. D., Großschmidt, K., Nishimori, S., Akovantseva, A., Usanova, A. P., Kurenkova, A. D., Kumar, A., Arregui, I. L., Tafforeau, P., Fried, K., Carlström, M., Simon, Andrés, Gasser, C., Kronenberg, H. M., Bastepe, M., Cooper, K. L., Timashev, P., Sanchez, S., Adameyko, I., Eriksson, A., Chagin, A. S. 2020. Secondary ossification center induces and protects growth plate structure. *eLife* 9:e55212. DOI: <https://doi.org/10.7554/eLife.55212>
- Gol'din, P., Haiduc, B. S., Kovalchuk, O., Górká, M., Otryazhyi, P., Brânzilă, M., Păun, E. I., Barkaszi, Z., Țibuleac, P., Rățoi, B. G. 2020. The Volhynian (late Middle Miocene) marine fishes and mammals as proxies for the onset of the Eastern Paratethys re-colonisation by vertebrate fauna. *Palaeontologia Electronica* 23(3):a43. <https://doi.org/10.26879/1091>
- Ben Chehida, Y., Thumloup, J., Vishnyakova, K., **Gol'din, P.**, Fontaine, M C. 2020. Genetic homogeneity in the face of morphological heterogeneity in the harbor porpoise from the Black Sea and adjacent waters (*Phocoena phocoena relicta*). *Heredity* 124(3): 469–484.
- Gol'din, P., Kovalchuk, O., Krakhmalnaya, T. 2019. The first record of Sirenia (Mammalia) from the early Oligocene of the Paratethys. *Historical Biology* 31(10): 1373-1378.
- Davydenko, S., Laime, M. L., **Gol'din, P.** 2018. The earliest record of a marine mammal (Cetacea: Basilosauridae) from the Eocene of the Amazonia. *Journal of Vertebrate Paleontology* 38(6): e1549060 DOI: 10.1080/02724634.2018.1549060
- Gol'din, P. 2018. New Paratethyan dwarf baleen whales mark the origin of cetotheres. *PeerJ* 6: e5800. DOI: 10.7717/peerj.5800
- Gol'din, P., Godlevska, L., Ghazali, M. 2018. Age-related changes of teeth in two species of bats: dental wear, pulp cavity and growth layers in dentin. *Acta Chiropterologica*. 20(2): 519-530.

Peer-reviewed papers (continued):

- Gol'din, P., Radović, P. 2018. A Middle Miocene baleen whale from Bele Vode in Belgrade, Serbia. *Rivista Italiana di Paleontologia e Stratigrafia*, 124(1): 127-138.
- Gladilina, E., Shpak, O., Serbin, V., Kryukova, A., Glazov, D., **Gol'din, P.** 2018. Individual movements between local coastal populations of bottlenose dolphins (*Tursiops truncatus*) in the northern and eastern Black Sea. *Journal of Marine Biology Association, U.K.* 98(2): 223-229.
- Biard, V., **Gol'din, P.**, Gladilina, E., Vishnyakova, K., McGrath, K., Vieira, F. G., Wales N., Fontaine, M. C., Speller, C., Olsen, M. T. 2017. Genomic and proteomic identification of Late Holocene remains: Setting baselines for Black Sea odontocetes. *Journal of Archaeological Science: Reports* 15: 262–271.
- Gol'din, P., Startsev, D. 2017. A systematic review of cetothere baleen whales (Cetacea, Cetotheriidae) from the Late Miocene of Crimea and Caucasus, with a new genus. *Papers in Palaeontology* 3: 49–68.
- Gol'din, P., Vishnyakova, K. 2016. Habitat shapes skull profile of small cetaceans: evidence from geographical variation in Black Sea harbour porpoises (*Phocoena phocoena relicta*). *Zoomorphology* 135(3): 387–393.
- Gol'din, P., Steeman, M. E. 2015. From problem taxa to problem solver: A new Miocene family, Tranatocetidae, brings perspective on baleen whale evolution. *PLoS ONE* 10(9): e0135500. doi:10.1371/journal.pone.0135500
- Vishnyakova, K., **Gol'din, P.** 2015. Seasonality of strandings and bycatch of harbour porpoises in the Sea of Azov: the effects of fisheries, weather conditions and life history. *ICES Journal of Marine Science* 72(3): 981–991.
- Vishnyakova, K., **Gol'din, P.** 2015. Cetacean stranding rate correlates with fish stock dynamics: Research of harbour porpoises in the Sea of Azov. *Marine Biology* 162:359–366.
- Gol'din, P., Startsev D., Krakhmalnaya, T. 2014. The anatomy of the Late Miocene baleen whale *Cetotherium riabinini* from Ukraine. *Acta Palaeontologica Polonica* 59 (4): 795–814.
- Gol'din, P. 2014. 'Antlers inside': Are the skull structures of beaked whales (Cetacea: Ziphiidae) used for echotic imaging and visual display? *Biological Journal of the Linnean Society* 113: 510–515.
- Gol'din, P. 2014. Naming an innominate: pelvis and hindlimbs of Miocene whales give an insight into evolution and homology of cetacean pelvic girdle. *Evolutionary Biology* 41(3): 473–479.
- Gol'din, P., Startsev, D. 2014. *Brandtocetus*, a new genus of baleen whales (Cetacea, Cetotheriidae) from the late Miocene of Crimea, Ukraine. *Journal of Vertebrate Paleontology* 34(2):419–433.
- Gol'din, P., Zvonok, E., Rekovets, L., Kovalchuk, A., Krakhmalnaya, T. 2014. *Basilotritus* (Cetacea: Pelagiceti) from the Eocene of Nagornoye (Ukraine): New data on anatomy, ontogeny and feeding of early basilosaurids. *Comptes Rendus Palevol* 13(4): 267–276.
- Gol'din, P., and Zvonok, E. 2013. *Basilotritus uheni*, a new cetacean (Cetacea, Basilosauridae) from the Late Middle Eocene of Eastern Europe. *Journal of Paleontology* 87 (2): 254-268.
- Sharir Y., Kerem D., **Gol'din P.**, Spanier E. 2011. Small size in the common bottlenose dolphin *Tursiops truncatus* in the eastern Mediterranean: a possible case of Levantine nanism. *Marine Ecology Progress Series*. 438: 241-251.

- Galatius, A., **Gol'din, P. E.** 2011. Geographic variation of skeletal ontogeny and skull shape in the harbor porpoise (*Phocoena phocoena*). *Canadian Journal of Zoology* 89 (9): 869-879.
- Gol'din, P. E. 2007. Growth, proportions and variation of the skull of harbor porpoises (*Phocoena phocoena*) from the Sea of Azov. *Journal of Marine Biology Association, U.K.* 87: 271–292.
- Viaud-Martinez, K. A., Martinez Vergara, M., **Gol'din, P. E.**, Ridoux, V., Öztürk, A. A., Öztürk, B., Rosel, P. E., Frantzis, A., Komnenou, A., Bohonak, A. J. 2007. Morphological and genetic differentiation of the Black Sea harbor porpoise (*Phocoena phocoena relicta*). *Marine Ecology Progress Series* 338: 281–294.
- Gol'din, P. E. 2004. Growth and body size of the harbor porpoise *Phocoena phocoena* (Cetacea, Phocoenidae) in the the Sea of Azov and the Black Sea. – *Vestnik Zoologii.* – 38(4): 59-73.
- Abstracts of conference presentations:
- Gol'din P., Vertsimakha O., Ghazali M., Dzeverin I., Vishnyakova K., Telizhenko V., Davydenko S., Ortiazhyi P. 2022. Anatomical network as a tool for studies of evolution of marine mammal skeleton. In: Marine mammal research and conservation effort – Are we on the right path? 33rd Conference of the European Cetacean Society. 5th to 7th April 2022, Ashdod, Israel. [Abstract book]. – P. 109.
- Gol'din, P. 2021. Selective pressure by predators could drive multiple events of body size diversification in cetacean evolution. In: 9th International Meeting on the Secondary Adaptation of Tetrapods to Life in Water. Virtual Meeting. Chile. April 19-23, 2021. - P. 61
- Gol'din. P. 2019. Fish legacy or evolutionary novelty: hitherto unknown bones reflect evolutionary heterochronies in cetacean skull . In: World Marine Mammal Conference. – Barcelona, Spain.
- Gol'din, P. 2017. Appendicular skeleton in early odontocetes. In: 8th International Meeting on the Secondary Adaptation of Tetrapods to Life in Water. Berlin 2017 (03 April – 08 April 2017). – P. 27.
- Gol'din P. 2013. A possible function for delayed rostral fusion in porpoises (Phocoenidae). – In: Abstract Book: 27th Annual Conf. European Cetacean Society. Interdisciplinary approaches in the study of marine mammals. – Setúbal, Portugal. – P. 363.
- Goldin P., Gladilina L., Serbin V., Stalingradsky E., Kondakov A., Pankova S., Oleinikov E., Smirnov D., Gorokhova V., Chopovdya M., Savenko O., Vishnyakova K. Unusual mass mortality of cetaceans in the northern Black Sea in 2011. – In: Abstract Book: 25rd Annual Conf. European Cetacean Society. – Galway, 2012. – P. 330.
- Gol'din, P. 2010. Paedomorphic traits in killer whales *Orcinus orca*. – In: Abstract Book: 24rd Annual Conf. European Cetacean Society. Marine mammal populations: challenges for conservation in the next decade – Stralsund, Germany, 2010. – P. 56.
- Gol'din, P. E. 2009. Harbor porpoises in the Sea of Azov: population structure, long-term dynamics and factors affecting them. – In: Abstract Book: 23rd Annual Conf. European Cetacean Society. – Istanbul, Turkey: Turkish Marine Research Foundation, 2009. – P. 20.
- Gol'din P. E. Postnatal growth of body and skeleton of the harbor porpoise in the Sea of Azov and the Black Sea. – 16th Biennial Conf. Biol. Marine Mammals, San Diego, California, 12-16 Dec., 2005, Abstr. – 2005. – P. 109.
- Gol'din, P. E. 2003. Mass stranding of harbor porpoise (*Phocoena phocoena relicta*) at the coast of the Sea of Azov in 2002. – *17th Annual Conf. European Cetacean Soc.: Abstr., Las Palmas de Gran Canaria, Spain, 9-13 March 2003.* – Las Palmas. – P. 187, 188.

NOMINATION OF DR ELLEN HINES FOR THE ROLE OF
COP-APPOINTED COUNCILLOR – AQUATIC MAMMALS
(submitted by the Government of Costa Rica)

From: Gina Cuza Jones <gina.cuza@sinac.go.cr>
Sent: Friday, February 17, 2023 10:34 PM
To: CMS Secretariat <cms.secretariat@cms.int>
Cc: Marco Barbieri <marco.barbieri@un.org>; Andrea Pauly <andrea.pauly@un.org>; Carlos Mario Orrego vasquez <corrego@minae.go.cr>
Subject: RE: CMS Notification 2022/23: Call for nomination of candidates for COP-appointed Councillors subject areas/ Appel à candidatures pour de domaines d'activité des Conseillers nommés par la COP/ Convocatoria candidatos Consejeros designados por la COP

Buenas tardes adjunto documento adicional de la Dra Ellen Hines.

Saludos.



Licda. Gina Cuza Jones
Directora Regional
Punto Focal Nacional CMS
Área de Conservación Marina Coco (ACMC)
Tel: (506) 8309-3243
www.sinac.go.cr
Ministerio del Ambiente y Energía

De: Gina Cuza Jones

Enviado el: viernes, 17 de febrero de 2023 15:28

Para: CMS Secretariat <cms.secretariat@cms.int>

CC: marco.barbieri@un.org; Andrea Pauly <andrea.pauly@un.org>; Carlos Mario Orrego vasquez <corrego@minae.go.cr>

Asunto: RE: CMS Notification 2022/23: Call for nomination of candidates for COP-appointed Councillors subject areas/ Appel à candidatures pour de domaines d'activité des Conseillers nommés par la COP/ Convocatoria candidatos Consejeros designados por la COP

Importancia: Alta

Buenas tardes estimados señores de la Secretaria CMS, por este medio adjunto oficio ACMC-DR-0043-2023, con relación a la Nominación de candidatura para **“CONSEJEROS DESIGNADOS POR LA COP PARA ÁREAS TEMÁTICAS DE MAMÍFEROS ACUÁTICOS Y CAMBIO CLIMÁTICO”**, por parte de Costa Rica, en tiempo y forma.

Agradezco acusar el recibido, y si existe alguna consulta por favor indicarlo, estamos en la mejor disposición.

Saludos atentos y muchísimas gracias.



Licda. Gina Cuza Jones
Directora Regional
Punto Focal Nacional CMS
Área de Conservación Marina Coco (ACMC)
Tel: (506) 8309-3243
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Ministerio del Ambiente y Energía



NATIONAL SYSTEM OF CONSERVATION AREAS
COCO MARINE CONSERVATION AREA
REGIONAL ADDRESS



February 17, 2023
SINAC-ACMC-DR-0043-2023

Gentlemen
CMS Secretariat.

**SUBJECT: NOMINATION OF DR. ELLEN HINES FOR THE POST
OF COP-APPOINTED ADVISER FOR AQUATIC MAMMALS**

Dear Sirs,

Costa Rica is pleased to present herewith the candidacy of Dr. Ellen Hines for the position of COP-appointed Councillor for Aquatic Mammals.

Dr. Hines has extensive experience in aquatic mammals and their conservation, focusing, for example, on habitat use, abundance, monitoring techniques, community-based conservation, capacity building, and risk assessments for anthropogenic threats, such as collisions with vessels, bycatch of marine megafauna, and the effects of sea level rise on pinnipeds. sea otters and birds in coastal estuaries.

As a long-standing member of the CMS Scientific Council's Working Group on Aquatic Mammals, she also has direct experience with CMS and the working group that will be led by the person appointed to this position.

Dr. Hines is highly suited for this role and would bring extensive experience, appropriate for this role.

We attach the justification for Dr. Hines' appointment, her CV and a letter of willingness.

Please confirm receipt of all necessary documents for this nomination, and do not hesitate to contact me if you need more information.

Kind regards

Licensed
Gina Cuza Jones
REGIONAL DIRECTOR a.i.
**CMS-COSTA RICA NATIONAL FOCAL POINT COCO MARINE
CONSERVATION AREA**

GCJ/ACMC-DR-0043/CorrespondenciaEnviada2023*17.02

C. File/Archive 2023*



Justification for the Nomination of Dr. Ellen Hines for the Role of COP-Appointed Councillor – Aquatic Mammals

Dr. Ellen Hines, the Associate Director of the Estuary & Ocean Science Center, is a Professor in Geography at San Francisco State University. Her research addresses population and community ecology of threatened and endangered species incorporating local conservation efforts and regional scale coastal and marine management science. Her emphasis is on the evolution of consistent standards of field methods and monitoring techniques, and the creation of educational materials to be applied to community-based conservation planning. Dr. Hines also has extensive (since 1990) experience in GIS and remote sensing for marine and coastal spatial planning. She is committed to collaborating internationally with in-country scientists to solve conservation problems threatening marine mammals. Dr. Hines has conducted marine mammal research in Thailand, Vietnam, Cambodia, Malaysia, Myanmar, Japan, Belize, Peru, Chile, Oman, Canada, and the U.S. since 1997.

Internationally, Dr. Hines is an ASEAN research Fulbright Fellow, and a member of the International Whaling Commission's Expert Advisory Panel on Bycatch. She has served on the CMS Scientific Council's Aquatic Mammals Working Group since 2013, and as an invited expert to the Sirenian Specialist Group of the IUCN SSC since 2005. She is a member of the IUCN Marine Mammal Protected Area Task Force and the IUCN World Commission on Protected Areas. In 2013, she co-led the Third Southeast Asian Marine Mammal Symposium in Malaysia, and led the publication of a report on this workshop published by the UNEP/CMS Secretariat. Dr. Hines has been a member of the Society for Marine Mammalogy since 1994, and is currently a member of the Ethics Committee (since 2016).

In California, Dr. Hines works closely with the NOAA National Marine Sanctuaries and local scientists around San Francisco Bay to model habitat use and human threats to marine mammals and seabirds. She is a research advisor on the Greater Farallones National Marine Sanctuary Advisory Council. With her students, she works to create risk assessments for anthropogenic threats such as shipping collisions, marine megafaunal bycatch and the effects of sea level rise on pinnipeds, sea otters, and birds in coastal estuaries.

In 2017, Dr. Hines co-created the Bycatch Risk Assessment (ByRA) toolkit with funding from NOAA's Office of International Affairs and the Monterey Aquarium Seafood Watch. The ByRA toolkit is a spatially and temporally explicit tool for the assessment of marine megafaunal bycatch risk for fisheries management (especially under the U.S. MMPA restrictions) and conservation planning. With local scientists, she has conducted bycatch risk assessments in Thailand, Malaysia, Vietnam, Indonesia, Sri Lanka, India, Oman, and Peru. She is currently co-leading a Lenfest Oceans project with Chilean fisheries agencies and scientists to use the ByRA toolkit for marine mammal bycatch analysis in 19 fisheries along the coast of Chile. Dr. Hines has led ByRA training workshops in Thailand, Malaysia, Vietnam, the Philippines, Colombia, Peru, Chile, and India.

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CITIZENSHIP

Canadian and U.S.

EDUCATION

Mills College, Oakland, California, B.A.

1997: M.A. San Diego State University, San Diego, California, Geography, emphasis in Natural Resource Management. (Advisor Dr. Janet Franklin).

1997-2002: Ph.D. University of Victoria, BC, Canada, Geography. (Advisor Dr. Dave Duffus).

PROFESSIONAL EXPERIENCE

2022-present: Adjunct Scientist, Center for Coastal Studies, Provincetown, Mass.

2015 -present: Associate Director, Estuary & Ocean Science Center, San Francisco State University.

2012-present: Principal Investigator, Estuary & Ocean Science Center, San Francisco State University.

2012-present: Professor, Department of Geography & Environment, San Francisco State University.

2009-present: Adjunct Professor, Department of Geography (Faculty of Graduate Studies), University of Victoria, BC, Canada.

2007-2012: Associate Professor, Department of Geography & Environment, San Francisco State University.

2007-2008: Professional Leave from SFSU: Florida Fish and Wildlife Research Institute, St. Petersburg, Florida, Associate Research Scientist.

2006-2007: Visiting Professor, Moss Landing Marine Lab, Moss Landing, California.

2005-Fall Semester: Tropical Environmental Studies and Geography, James Cook University, Townsville, Queensland, Australia, Visiting Scholar (President's Award sabbatical from SFSU).

2001-2006: Assistant Professor, Department of Geography & Environment, San Francisco State University.

1997-2001: Sessional Lecturer in GIS and Remote Sensing, Department of Geography, University of Victoria, BC, Canada.

1999-2000: Consultant in Marine Ecology and GIS, Axys Environmental Consulting Ltd., Sydney, BC. British Columbia Marine Ecological Classification (BCMEC) Update Project.

1997-1999: Land Use Coordination Office, Province of British Columbia. Marine GIS Consultant.

1997-1998: LGL Limited, in Sydney, British Columbia. Marine Geographic Information Systems (GIS) consultant.

1996-1997: GIS Technician with National Wetlands Research Center, USGS Biological Resources Division, Lafayette, Louisiana.

1994-1996: U.S. Forest Service, Region 5, Forest vegetation mapping project. GIS/Remote Sensing Research Assistant. Center for Earth Systems Analysis at San Diego State University.

1992-1993: US Forest Service, Southern Appalachian Region, Surveying Section. Mapping Technician, Asheville, North Carolina.

RECENT ADMINISTRATIVE EXPERIENCE

- Elected as Secretary of the SFSU Academic Senate (2022-2023)
- Elected Co-Chair of the Provost/VP of Academic Affairs search (2022)
- Elected to the Executive Committee of the SFSU Academic Senate (2018-2021, 2022-2023)
- Appointed Chair of the Senate Curriculum Review and Approval Committee (2019-2021) • Appointed Chair of the Senate Student Affairs Committee (2018-2019)
- Elected Chair of the Dean of Graduate Division search (2018).
- Elected to SFSU Academic Senate, representing the College of Science and Engineering (2017-2023).
- SFSU Academic Senate Faculty Affairs Committee (2017-2018 & 2021-2022).
- Graduate Coordinator, Masters of Science in Interdisciplinary Marine and Estuarine Science (since 2016).
- Chair of Retention, Tenure and Promotion Committee, Geography & Environment (2016-2018).
- Associate Director for Academic Programs, Estuary & Ocean Science Center (previously Romberg Tiburon Center) (Spring 2015-present)
- Chair, SFSU Graduate Council (2015-2017). Member (2014-2019)
- Executive Committee, Council on Ocean Affairs, Science & Technology (COAST), California State Universities (2016-present).
- University Human/Animal Subjects Protocol Committee (2008-2015), Chair (2009-2015).
- Chair, Geography Department Curriculum committee (2014-2018).
- Faculty Representative, Council on Ocean Affairs, Science and Technology (COAST California State Universities (2014-present); appointed by SFSU President and Provost/Elected to the Executive Board (2016-present))
- Member, Romberg Tiburon Center Masters of Marine Science degree program creation committee (2013-2014).
- Chair, Geography Department Masters of Science in GIS degree program creation committee (2012).
- Chair, Deans and Department Chair review committees (2012, 2013); appointed by SFSU Provost.
- Member, SFSU Presidents Strategic undergraduate curriculum and assessment review committee (2009-2011).

PUBLICATIONS

BOOKS

Hines, E., Reynolds, J., Mignucci-Giannoni, A, Aragones, L.V., and M. Marmontel. 2012. *Sirenian Conservation: Issues and Strategies in Developing Countries*. Edited Volume. The University Press of Florida (reviewed in *Mammalia* and the *Quarterly Review of Biology* in 2014). **Please note: 2nd Edition, published by Pelagic Publishing, will be out in 2024.**

- Hines, E. Introduction
- Ortega, A., Hines, E, and J. Calvimontes. Using interviews as a research tool. ○ Hines, E. and contributors. Asian dugongs.
- Hines, E., Domning, D., Aragones, L, Marmontel, M., Mignucci-Giannoni, A.A, and J. Reynolds. The role of scientists in sirenian conservation in developing countries.
- Hines, E. A framework for sirenian science and conservation in developing countries.

Hines, E. 2011. *Conservation of the Dugong along the Andaman Coast of Thailand: An Example of the Integration of Conservation and Biology in Endangered Species Research*. VDM Verlag, Germany.

BOOK CHAPTERS

Hines, E. 2012. Dugong Conservation. In: *An Introduction to Marine Mammal Biology & Conservation* (by E.C.M. Parsons, A Bauer, D. MacAfferty , A.J. Wright & M.P. Simmons), Jones & Bartlett Publishers.

Hines, E. 2002. Conservation of the dugong (*Dugong dugon*) along the Andaman coast of Thailand. In P. Dearden (Ed.), *Environmental Protection and Rural Development in Thailand: Challenges and Opportunities*. White Lotus Press, Bangkok. Pages 155-180.

PUBLICATIONS (**committee chair, *on SFSU geography committee, ***on PhD committee)

Campbell, E, Alfaro-Shigueto, J, and others (including E. Hines). 2022. Challenges and priorities for river cetacean conservation. *Endangered Species Research*. <https://doi.org/10.3354/esr01201>

Sullivan-Stack, J., and others (including E. Hines). 2022. A Scientific Synthesis to Inform Effective Protected Areas in the U.S. Ocean, *Frontiers in Marine Science* <https://doi.org/10.3389/fmars.2022.849927>

Peter, C., Mustika, PL, Acebes, JMV, Chansue, N., Dolar, L, Ham, GS, Hines, E, Hte, W, Minton, G, Ponnampalam, LS, Porter, L, Vu, L, Westerlaken, R, Htay, YY, Whitty, TS. In Press. Commentary on Coram et al. (2021) on the use of Facebook to understand marine mammal stranding issues in Southeast Asia. *Biodiversity and Conservation* <https://doi.org/10.1007/s10531021-02196-6>

Seher, VL*, Holzman, BA, Hines, E, Bradley, RW, Warzybok, P, and BH Becker. 2022. Oceaninfluenced estuarine habitat buffers high interannual variation in seabird reproductive success. *Marine Ecology Progress Series* <https://doi.org/10.3354/meps14028>

Anderson, R.**, Hines, E., Mazzini, P.L.F., Elliot, M., Largier, J.L., and J. Jahncke. 2022. Spatial patterns in aragonite saturation horizon over the northern California shelf. *Regional Studies in Marine Science* <https://doi.org/10.1016/j.rsma.2022.102286>

- Costanza, AB**, Guidino, C, Mangel, JC, Alfaro-Shigueto, J, Verutes, G, Caillat, M, Samanta, A, and Hines, E. 2021. Participatory Risk Assessment of Humpback Whale (*Megaptera novaeangliae*) and Leatherback Turtle (*Dermochelys coriacea*) Bycatch in Northern Peru. *Frontiers in Marine Science* <https://doi.org/10.3389/fmars.2021.776965>
- McGowen, MR, Vu, L, Potter, CW, Tho, TA, Jefferson, TA, Kuit, SH, Abdel-Raheem, ST**, and Hines, E. 2021. Whale temples are unique repositories for understanding marine mammal diversity in central Vietnam. *Raffles Bulletin of Zoology* 69:481-496 <https://doi.org/10.26107/RBZ-2021-0066>
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- Studwell, A**, Hines, E., and others. 2020. Using habitat risk assessment to assess disturbance from maritime activities to inform seabird conservation in a coastal marine ecosystem. *Ocean and Coastal Management*: <https://doi.org/10.1016/j.ocecoaman.2020.105431>
- Rudebusch J**, Hughes BB, Boyer KE, Hines E. 2020. Assessing anthropogenic risk to sea otters (*Enhydra lutris nereis*) for reintroduction into San Francisco Bay. *PeerJ* 8:e10241 <https://doi.org/10.7717/peerj.10241>
- Lynch, P.*, Blesius, L., and E. Hines. 2020 Four new methodologies for classifying urban land use types with landsat data. *Remote Sensing* <https://doi.org/10.3390/rs12152503>
- Vu, L., McGowen, M.R., Potter, C., Tho, T.A., Kuit, S.H., Abdel-Raheem, S.** , and EM Hines. 2020. New records of Fraser's dolphin (*Lagenodelphis hosei*) from the whale temples of Vietnam. *Aquatic Mammals* <https://doi.org/10.1578/AM.46.4.2020.395>
- Verutes, GM, Johnson, AF, Caillat, M, Ponnampalam, LS, Peter, C, Vu, L, Junchompoo, C, Lewison, RL, and Hines, EM. 2020. Using GIS and stakeholder involvement to innovate marine mammal bycatch risk assessment in data-limited fisheries. *PLoS ONE* <https://doi.org/10.1371/journal.pone.0237835>
- Hines, EM, Johnson, A., Ponnampalam, L., Peter, C., Junchompoo, C., Vu, L., Thien, H., Caillat, M., and Verutes, G. (2020) Getting to the Bottom of Bycatch: A GIS-based toolbox to assess the risk of marine mammal bycatch. *Endangered Species Research*: <https://doi.org/10.3354/esr01037>
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- Cope, S. J.** , Hines, E., Bland, R., Davis, J., Tougher, B., and V. Zetterlind. (2020) Application of a new shore-based vessel traffic monitoring system for marine conservation in San Francisco Bay. *Frontiers in Marine Science*: <https://doi.org/10.3389/fmars.2020.00086>

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- Jackson-Ricketts, J.***, Ruiz-Cooley, R.I., Junchompoo, C., Thongsukdee, S., Intongkham, A., Ninwat, S., Kittiwattanawong, K., Hines, E.M., and D. P. Costa. (2018) Diet and Life History of Irrawaddy Dolphins (*Orcaella brevirostris*) in the Gulf of Thailand and the Andaman Sea. *Marine Mammal Science* <https://doi.org/10.1111/mms.12547>
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- Edwards, H. H., Stone, S. B. P.**, Hines, E. M., Gomez, N.A., and B. E. Winning. 2014. Documenting manatee (*Trichechus manatus manatus*) presence at Turneffe Atoll in Belize and its conservation significance, Central America. *Caribbean Journal of Science* 48: 71-75.
- Briscoe, D.K., S. Hiatt, R. Lewison and E. Hines. 2014. Modeling habitat and bycatch risk for dugongs in Sabah, Malaysia. *Endangered Species Research* 24:237-247. <https://doi.org/10.3354/esr00600>
- Ponnampalam, L., Hines, E., Mananansap, S., Ilangakoon, A., Junchompoo, C., Adulyanukosol, K., and L. J. Morse. 2013. Behavioral observations on Irrawaddy dolphins (*Orcaella brevirostris*) in Trat Province, Eastern Gulf of Thailand. *Aquatic Mammals* 39(4): 401-409.
- McGowan, J.**, E. Hines, M. Elliott, J.Howar, A. Dransfield, N. Nur, J Jahncke. 2013. Using seabird habitat modeling to inform marine spatial planning in Central California's National Marine Sanctuaries, PLoS ONE 8(8): e71406. <https://doi.org/10.1371/journal.pone.0071406>
- Funayama, K**, Hines, E., Davis, J, and S. Allen. 2013. Effects of sea-level rise on northern elephant seals at Point Reyes peninsula, California. *Aquatic Conservation: Marine and Freshwater Ecosystems*: 23: 233-245.
- Keller, C.A., Garrison, L. Baumstark, R., Ward-Geiger, L.I., and E. Hines. 2012. Defining calving habitat for the North Atlantic right whale in the southeastern United States: An application of a habitat model. *Endangered Species Research* 18: 73-87.
- LaCommare, K.S.***, Self-Sullivan, C., Hines, E., and S. Brault. 2012. A boat-based method for monitoring sirenians: Antillean manatee case study. *Biological Conservation*: 152: 169-177.
- Hines, E., Parsons, C., and J. Cigliano. 2011. Making marine science matter—a special issue highlighting the first International Marine Conservation Congress (Introduction). *Bulletin of Marine Science* 87(2).
- Hines, E., 2011. Threats to coastal dolphins from oil exploration, drilling and spills off the coast of Belize. In: Palomares, M.L.D., Pauly, D. (eds.), *Too Precious to Drill: the Marine Biodiversity of Belize*, pp. 14-18. Fisheries Centre Research Reports 19(6). Fisheries Centre, University of British Columbia [ISSN 1198-6727].
- Cleve, C*, Perrine, J., Holzman, B, and E. Hines. 2011. Addressing biased occurrence data in predicting potential Sierra Nevada red fox habitat for survey prioritization. *Endangered Species Research* 14:179-191.
- Merrified, M.S**, Hines, E.M., Liu, X, and M.W.Beck. 2011. Building regional threat-based networks for estuaries in the western United States. PLOS ONE 6(2): e17407. <https://doi.org/10.1371/journal.pone.0017407>

- Dick, D.M**. and E.M. Hines. 2011. Development and implementation of distance sampling techniques to determine bottlenose dolphin (*Tursiops truncatus*) abundance at Turneffe Atoll, Belize. *Marine Mammal Science*: 27(3): 606-621.
- Novak, A. B, Hines, E., Kwan, D., Parr, L., Than Tun, M., and H. Wen. 2009. Seagrasses of the Myeik Archipelago, Myanmar. *Aquatic Botany* 91(3): 250-252.
- Doukakis, J. P., Parsons, E.C.M., Burns, W.C.G., Salomon, A.K., Hines, E., and J.A. Cigliano. 2009. Gaining traction: Re-treading the wheels of marine conservation. *Conservation Biology* 23(4): 841–846.
- Hines, E., Adulyanukosol, K., Somany, P., Sam Ath, L., Cox, N., Boonyanate, P., and N.X. Hoa. 2008. Community interviews to assess conservation needs of the dugong (*Dugong dugon*) in Cambodia & Phu Quoc, Vietnam. *Oryx* 42(1): 113-121.
- Ilangakoon, A. Sutaria, D., Hines, E., and R. Raghavan. 2008. Historical status and future prospects for dugongs (*Dugong dugon*) in the Gulf of Mannar, based on interview surveys. *Marine Mammal Science* 24(3): 704-710.
- Hines, E., Adulyanukosol, K., Duffus, D. A., and P. Dearden. 2005. Community perspectives and conservation needs for dugongs along the Andaman coast of Thailand. *Environmental Management* 36(5): 654-664.
- Hines, E., Adulyanukosol, K., and D. A. Duffus. 2005. Dugong abundance along the Andaman coast of Thailand. *Marine Mammal Science* 21:3:536-549.
- Byrne, R., and E. Hines. 2005. The marine turtles of Hinatuan Bay, Surigao del Sur, Mindanao, Philippines. *Marine Turtle Newsletter* 105: 8.
- Hines, E., Franklin, J., and J. Stephenson. 2005. Using a geographic information system to estimate digital map error and its effects on habitat delineation for the California spotted owl in southern California. *Transactions in GIS*. 9(4): 541-559.

PUBLICATIONS IN PREP

- Jackson-Ricketts, J. ***, Whitty T, Hazen, E, Monanunsap, S, Junchompoo, C, and EM Hines. Human use of the eastern Gulf of Thailand and implications for Irrawaddy dolphin (*Orcaella brevirostris*) conservation. Target Journal: *Conservation Science and Practice*
- Weiss, K., D’Lima, C., Junchompoo, C., and E. Hines. Changing Attitudes Towards Marine Megafauna and Habitat Conservation in Thailand and Southeast Asia. Target Journal: *Conservation Letters*

DISSERTATION AND THESIS

- Hines, E. 2001. *Conservation of the Dugong (Dugong dugon) along the Andaman Coast of Thailand: An Example of the Integration of Conservation and Biology in Endangered Species Research*. Doctoral Dissertation, University of Victoria, BC, Canada.
- Hines, E. 1997. A sensitivity analysis of a map of habitat quality for the California spotted owl (*Strix occidentalis occidentalis*) in southern California. Master’s thesis, San Diego State University, San Diego, CA USA.

LEGAL BRIEFS/EXPERT TESTIMONY

On behalf of: Okinawan dugongs vs. US Department of Defense (for Earthjustice) (September 2007, 2018).

TRAININGS MANUALS

- Kuit, V, and Hines, E. 2020. Bycatch Risk Assessment Toolbox Manual (English)
- Kuit, V, and Hines, E. 2020. Bycatch Risk Assessment Toolbox Manual (Spanish translation by Nicolas Acuña).
- Smith, B. D., Hines, E., Rosenbaum, H., Razafindrakoto, Y, Beasley, I., and K. Cross. 2002. *Marine mammal research techniques for scientists in South and Southeast Asia*. Wildlife Conservation Society, NY.

SELECTED PROFESSIONAL REPORTS

- Hines, E., and J. Rudebusch. 2018. Assessing anthropogenic stressors to sea otters resettling San Francisco Bay. A report for the California Coastal Conservancy.
- Hines, E. Verutes, G., and L. Ponnampalam. 2018. Marine Megafauna Bycatch in Swimming Crab Nets in Northwestern Sri Lanka, A Final Report for Monterey Bay Aquarium Seafood Watch.
- Hines, E. et al. 2018. Catching the right fish: A toolbox to reduce marine mammal bycatch risk in developing countries. Award Number: NA16NMF4630338 NOAA Office of International Affairs.
- Hines, E., Jumchumpoo, C., Ilangakoon, A., Ponnampalam, L., and J. Jackson-Ricketts. 2014. Coastal cetaceans in Trat Province, Eastern Thailand (2012-2014). Final Report to IndoPacific Cetacean Foundation, Australia.
- Hines, E., Jumchumpoo, C., Ilangakoon, A., Ponnampalam, L., and J. Jackson-Ricketts. 2013. Coastal cetaceans in Trat Province, Eastern Thailand (2013). Final Report to Ocean Park Conservation Foundation, Hong Kong and Indo-Pacific Cetacean Foundation, Australia .
- Hines, E., Jumchumpoo, C., Ilangakoon, A., Ponnampalam, L., and J. Jackson-Ricketts. 2012. Coastal cetaceans in Trat Province, Eastern Thailand (2012). Final Report to Ocean Park Conservation Foundation, Hong Kong and Indo-Pacific Cetacean Foundation, Australia.
- Hines, E. 2010. American Recovery and Reinvestment Act: USGS Golden Gate LiDAR Final Report
- Hines, E., Mananansap, S., Ilangakoon, A., Ponnampalam, L., and L. Morse. 2009. Coastal cetaceans in Trat Province, Eastern Thailand (2009). Final Report to Ocean Park Conservation Foundation, Hong Kong.
- Hines, E., Charuchina, M., Mananansap, S., Ilangakoon, A., and L. Ponnampalam. 2008. Irrawaddy Dolphins (*Orcaella brevirostris*) in Trat Province, Eastern Thailand (2007-2008). Final Report to Ocean Park Conservation Foundation, Hong Kong.
- Hines, E. NOAA: National Marine Fisheries Service Annual Performance Reports for Grant #FO794/#2339/#2624, for Reporting Periods June 2007-December 2008, and January 2008-June 2008. Right Whale Conservation Project, Florida Fish & Wildlife Conservation Commission.
- Hines, E. Final report to the National Fish and Wildlife Foundation: Evaluation of Relative Risk of Co-Occurrence of North Atlantic Right Whales and Vessels in the Southeastern United States (SEUS) Calving Grounds, for the Florida Fish & Wildlife Conservation Commission. July 2008.

Hines, E., Than Tun, M., Parr, L., Kwan, D., and A. Novak. 2007. Dugongs (*Dugong dugon*) along the Myeik Archipelago of Myanmar. Final report to Ocean Park Conservation Foundation, Hong Kong.

PROCEEDINGS

Hines, E., Ponnampalam, L.S., Hisne, F.I.J, Whitty, T.S., Jackson-Ricketts, J., Kuit, S.H, and J.M. Acebes. Report of the 3rd Southeast Asian Marine Mammal Symposium (SEAMAM III) 2015. Langkawi Island, Malaysia, 4-10 March 2013. Convention on Migratory Species of Wild Animals (CMS), United Nations Environment Program.

<http://www.cms.int/en/publication/report-third-southeast-asian-marine-mammalssymposium-seamam-iii>

Adulyanukosol, K., Hines, E., and P. Boonyanate. 2010. Cultural significance of dugongs to Thai villagers: Implications for conservation. Proceedings of the 5th International Symposium on SEASTAR2000: 43-49. Juried

http://repository.kulib.kyotou.ac.jp/dspace/bitstream/2433/107337/1/9thSeastar_43.pdf

Ilangakoon, A. D., Hines, E., Monanunsap, S., and Ponnampalam, L. S. 2010. Research for conservation and management of Irrawaddy dolphins (*Orcaella brevirostris*) in the Eastern Gulf of Thailand. Proceedings of the International Workshop on Conservation of the Irrawaddy Dolphin with special reference to the underwater acoustic study. 25 - 26 March 2010, Bhubaneswar, India.

Proceedings of the Workshop on the Conservation of the Dugong and Seagrass Habitats in Vietnam January 20-21, 2003, Hanoi, Vietnam. Edited by Nick Cox, Tran Chinh Khuong, Ellen Hines. World Wildlife Fund, Indochina Programme, Hanoi, Vietnam.

REVIEWS

Associate Editor for the journal *Journal of Mammalogy* (since 2022).

Associate Editor for the journal *Frontiers in Marine Science*, specialty section in Marine Conservation and Sustainability (since 2014).

Associate Editor for the *Journal of Environmental Studies and Science* (First volume January 2011).

Review Editor for the journal *Endangered Species Research* (since 2006).

Reviewed submitted manuscripts for the journals: *Science*, *Scientific Reports*, *Marine Mammal Science*, *Journal of Applied Ecology*, *Marine and Freshwater Research*, *Frontiers in Marine Science*, *Aquatic Mammals*, *Raffles Bulletin of Zoology*, *Conservation Biology*, *Biological Conservation*, *Prairie Perspectives*, *Endangered Species Research*, *Phuket Marine Biological Center Bulletin*, *Current Zoology*, *Applied Geography*, *Environmental Management*, *Aquatic Conservation: Marine and Freshwater Systems*, *Marine and Freshwater Research*, *Transactions in GIS*, *McGill International Journal of Sustainable Development Law and Policy*, *Journal of the Marine Biological Association of the United Kingdom*, *Oryx*, *Marine Biodiversity Records*, *Marine Technology Society Journal*, *PlosOne*, *Annals of the American Association of Geography*.

GRANTS & AWARDS

2022-2027: USAID/ Indonesia Ber-IKAN (subcontractor re marine mammal bycatch), \$200,000.

2022-2023: COAST CSU Grant Development Program: Assessing Marine Mammal Bycatch in Chilean Artisanal Fisheries, with Jaime Matera (CSU Channel Islands), \$20,000.

2021-2022: NOAA: Assessing Marine Mammal Bycatch Risk for Stock Assessment Reports. \$60,000US

2021: University of Rhode Island/USAID: Workshop on Applying the Bycatch Risk Assessment Toolbox to the Visayan Sea Blue Swimming Crab Fishery, \$5000US.

2020-2023: Lenfest Ocean Program: Marine Mammal Bycatch Risk in Chile. \$298,267US.

2020-2022: Global Biodiversity Information Facility: Biodiversity Information Fund for Asia: Citizen science to monitor the diversity and distribution of cetaceans in Vietnam. 15,000Euros.

2019-2020: Fulbright ASEAN Scholar Research Fellowship for research in Vietnam and Malaysia.

2018-2019: California Coastal Conservancy: Assessing anthropogenic risks to sea otters re-settling San Francisco Bay \$14,770.

2017-2018: Monterey Bay Aquarium Sea Watch: Risk assessment of dugong and turtle bycatch in the swimming crab fishery off the northwest coast of Sri Lanka \$11,500.

2016-2021: National Science Foundation Research Traineeship (NRT): Research Intensive Pedagogy-Training Interdisciplinary Estuarine Scientists (RIP-TIDES) \$2.9M

2016-2018: NOAA International: An integrated toolbox for the risk assessment of marine mammal bycatch in developing countries. With R. Lewison (San Diego State University), Gregg Verutes (Natural Capital Project, Stanford University) \$80,000.

2016-2018 Anthropocene Foundation: Marine Monitor, a low cost radar/AIS solution for monitoring nearshore marine protected areas. \$60,000.

2014-2015: COAST CSU Grant Development Program, Identifying critical coastal habitat under a changing climate along the California central coast \$14,518 US (Pilot sites: Jenner & Bodega Bay).

2013-2015: National Socio-Environmental Synthesis Center (SESYNC) Venture program grant <http://www.sesync.org/project/ventures/tropical-coastal-resilience> “Developing an integrated framework to model resilience of the coupled human/natural environment in tropical coastal systems”, with co-PI, Dr. Rebecca Lewison (San Diego State).

2014 CSU Doctoral Incentive Program, CSU faculty mentor, with Pam Rittelmeyer, PhD student at UC Santa Cruz in Environmental Studies.

2013-2015: National Park Service/GGNRA Park Conservancy, \$40,400 to use LiDAR and hyperspectral imagery to map Muir Woods National Park and Kent Canyon State Park.

2013: Ocean Park Conservation Foundation: Coastal marine mammals along the eastern Gulf of Thailand: \$15,700 US.

2012: COAST CSU Collaborative Resource Sharing Award. Creating a spatially explicit risk assessment of fisheries bycatch for coastal marine mammals. \$10,000 (with Rebecca Lewison SDSU Biology).

2012-2018: Social Sciences and Humanities Research Council of Canada (SSHRC). (Too Big to Ignore: Global Partnership for the future of small-scale fisheries): co-investigator with Dr. Ratana Chuenpagdee (Memorial University of Newfoundland) as Principal Investigator. \$2,498,895 CDN. www.toobigtoignore.net

2012: Ocean Park Conservation Foundation: Coastal marine mammals along the eastern Gulf of Thailand: \$13,000 US.

2012-2014: Indo-Pacific Cetacean Research and Conservation Fund (Australian Gov't). Coastal marine mammals along the eastern Gulf of Thailand: \$49,000 AUD.

2011: COAST CSU Faculty Research Initiative Award. Developing an integrated/coupled framework to model resilience in tropical coastal systems.. \$10,936 (with Rebecca Lewison SDSU Biology).

2010: Golden Gate National Parks Conservancy: \$15,000 toward the Golden Gate LiDAR Project.

2010: Lockheed Martin: \$46,000 towards the Golden Gate LiDAR Project.

2010-2011: The Golden Gate LiDAR Project, US Geological Survey (\$457,000 US): LiDAR mapping and processing of greater San Francisco Bay Area

2009-2010: Ocean Park Conservation Foundation (\$15,000 US): Coastal cetaceans in eastern Thailand.

2007-2008: NOAA Fisheries (\$645,860 US): GIS Risk Analysis on North Atlantic Right Whales in the Southeast US.

2007-2008: National Fish and Wildlife Federation (\$72,000 US): Risk of Right Whale and Vessel Interactions in the Southeast US.

2008: Ocean Park Conservation Foundation (\$20,000 US): Irrawaddy dolphins in eastern Thailand (winter of 2008).

2007: Ocean Park Conservation Foundation, Hong Kong (\$20,000 US) Distribution and conservation of dugongs and coastal cetaceans in the Myeik Islands of Myanmar (winter of 2007).

2007: Project Aware, Australia, (\$1000 AUS) towards 2007-2008 research on Irrawaddy dolphins in eastern Thailand.

2005-2009: various grants through the Association to Protect Northernmost Dugong in Japan to set up community seagrass research in Okinawa. In 2007, \$5000 US from the Center for Biological Diversity for the same project.

2005: Smithsonian Institution Marine Science Network (\$150,000 US). A comparison of bottlenose dolphin foraging ecology between transitional-temperate and tropical ecosystems.

2003-2005: National Wetlands Inventory (US Fish and Wildlife Service) (\$176,000 US).

2004-2005: Ocean Park Conservation Foundation, Hong Kong (\$8900 US): Dugongs and Irrawaddy dolphins along the eastern Gulf of Thailand.

2004-2005: Wildlife Conservation Society, USA (\$1000 US): Dugongs and Irrawaddy dolphins along the eastern Gulf of Thailand.

2003-2005: National Wetlands Inventory (US Fish and Wildlife Service) (\$128,000 US) Updating National Wetlands Inventory Digital Map Files.

2003-2004: Ocean Park Conservation Foundation, Hong Kong (\$13,000 US): Dugongs along the eastern Gulf of Thailand and Cambodia.

2003-2004: Project Aware Grant (\$3000 AUS): Dugongs along the eastern Gulf of Thailand and Cambodia.

2003: Sirenian International (\$1000 US): Interview surveys about dugongs in the Gulf of Mannar (Sri Lanka and India).

2002-2003: Ocean Park Conservation Foundation, Hong Kong (\$12,000 US) Dugongs along the eastern Gulf of Thailand.

2002: Marine Conservation Biology Institute, Marine Mammal Gap Analysis (\$10,000 US) (Baja to Bering Initiative).

2002: Project Aware Micro-Project Grant (\$1000 US) Manatees in Turneffe Atoll, Belize.

2002: Affirmative Action Faculty Development Program Award, San Francisco State University: The Reaction of Harbor Seals to the Richmond Bridge Seismic Reinforcement Project.

2000/2001: Ocean Park Conservation Foundation, Hong Kong (\$40,000 US) Dugongs along the Andaman coast of Thailand.

2000: University of Victoria Derrick Sewell Graduate Scholarship 2001.

2000: Doctoral Research Award, International Development Research Centre (\$20,000 CDN)
Dugongs along the Andaman coast of Thailand.

2000: University of Victoria President's Scholarship 2000.

1997 to 2001: University of Victoria Graduate Fellowships.

PROFESSIONAL SERVICE

- Research Alternate, Scientific Advisory Council, Greater Farallons National Marine Sanctuary
- Appointed to the Expert Panel on marine mammal bycatch, International Whaling Commission (since 2018).
- Appointed to the Expert Panel on marine mammal bycatch, FAO, Rome, Italy (since 2018).
- Partner, Global Ocean Biodiversity Initiative www.gobi.org (since 2017).
- Member, Scientific Council, the Global Ocean Refuge System, Marine Conservation Institute <https://marine-conservation.org> (since 2017).
- Council on Ocean Affairs, Science & Technology (COAST), California State University, Executive Board, elected September 2016-December 2019).
- Point Blue Conservation Science, Chair of the Science Advisory Committee (appointed June 2015-present) & Science Advisor to the Board of Directors (elected March 2016-present)
- Appointed Expert to the Pool of Experts, United Nations World Ocean Assessment (Marine Mammals).
- Member, IUCN Marine Mammal Protected Area Task Force.
- Member, IUCN World Commission on Protected Areas
- Honorary Research Fellow, Institute of Biodiversity and Environmental Conservation. Universiti Malaysia Sarawak (2018-2023)
- Convention on Migratory Species Scientific Council's Aquatic Mammals Working Group (AMWG), Invited Expert (since 2013).
- Fulbright Specialists Roster 2013-2018
- Sirenian Specialist Group Expert member (IUCN Species Survival Commission) since 2005.
- Nominator for the Pew Marine Fellowship awards (2013).
- Reviewer and judge: David H. Smith Conservation Research Fellowship Program 2008 -2019.
- Reviewer for the NSF Geography and Coastal SEES Programs, NSERC and SSHRC (Canadian government research agencies).
- Reviewer for National Geographic research grants.
- Society for Marine Mammalogy, since 1994.
 - Member of the Ethics Committee since 2016.
 - Conference Co-Chair, 21st Biennial San Francisco 2015.
 - Member of Scientific Advisory Board 1999-2005.
- Society for Conservation Biology, member since 1994.
 - Equity, Inclusivity and Diversity Committee Chair and SCB Board of Governors 2019-2021.
 - Asian Regional Section, Board of Directors 2013-2015.
 - Marine Section President/SCB Board of Governors for 2006/2009 calendar years.
 - SCB Publications & Scientific Committee Member, 2007 through present.
 - Scientific Program Committee Chair for the International Marine Conservation Congress (May 20-24, 2009 in Washington D. C. (www.conbio.org/IMCC)).
 - Conference Chair for the 2nd International Marine Conservation Congress (May 14-18th, 2011 in Victoria, British Columbia).(www.conbio.org/imcc2)
- Oikonos (International Marine NGO, <http://www.oikonos.org/>).

- Scientific Advisor since 2006.
- Sirenian International.
- Member of the Board of Directors 2004-2007.
- Member of Scientific Advisory Board since 2007.
- Society for Conservation GIS, since 1998.

SELECTED PRESENTATIONS

- Hines, E. A rapid assessment of dugong bycatch in the blue swimming crab fisheries of Sri Lanka. World Marine Mammal Conference, Sirenian workshop. December, 2019. Invited speaker.
- Hines, E. Marine mammals in Malaysia and Vietnam. American Cetacean Society, Sausalito, California, October 2019. Invited keynote speaker.
- Hines, E. et al. Getting to the bottom of bycatch, a toolbox for place-based risk assessment of marine mammal bycatch. Society of Marine Mammalogy Biennial Meeting, October 2017, Halifax, Nova Scotia, Juried speed talk presentation.
- Hines, E. Modeling habitat for nearshore marine mammals. 2016 meeting of the International Committee on Marine Mammal Protected Areas, November 2016, Puerto Vallarta, Mexico, Invited oral presentation.
- Hines, E. et al A Driver Pressure State Impact Response (DPSIR) framework applied to an interdisciplinary coastal zone management workshop along the eastern Gulf of Thailand. 2016 Ocean Sciences Meeting, February 2016, New Orleans, Juried oral presentation.
- Hines, E. Abundance of Irrawaddy dolphins along the eastern Gulf coast of Thailand, Society of Marine Mammalogy Biennial meeting, December 2015, San Francisco, Juried oral presentation.
- Hines, E. Line transect estimates of Irrawaddy dolphins along the eastern Gulf coast of Thailand. To the Department of Biology, Humboldt State University, November 2015, COAST speaker award.
- Hines, E. How can marine protected areas protect marine mammals? Opening talk for symposium Hines organized at the Association of Tropical Biology and Conservation meeting in Hawaii, Summer of 2015. Juried oral presentation and symposium.
- Hines, E. Research on coastal cetaceans along the eastern Gulf coast of Thailand. To the Department of Biology, University of California, Santa Cruz, April of 2015. Invited presentation.
- Hines, E. Research in the Myeik Archipelago of Myanmar in 2007. To the Faculty of Sciences, Mawlamyine University, Myanmar, January 2014. Invited presentation.
- Hines, E. Coastal marine mammals, small scale fishers and bycatch. Society of Marine Mammalogy Biennial meeting, December 2013, New Zealand. Juried oral presentation.
- Hines, E. Adulyanukol, K, and P. Manitowr. Aligning Science and Policy to Conserve Dugongs and their Habitat along the Andaman Coast of Thailand, Association of Pacific Coast Geographers, September 2011, San Francisco. Juried oral presentation.
- Hines, E. Changing values of small-scale fisheries in Southeast Asia. Juried oral presentation. 2nd International Marine Conservation Congress, Victoria, BC, Canada, May 2011.
- Hines, E. Using interviews to document changing values of small-scale fishers . Invited plenary presentation at the World Small-Scale Fisheries Congress, Bangkok, Thailand, October 2010. See blog interview:
<http://worldsmallscalefisheries.blogspot.com/2010/10/interviewing-interviewer-chatwith.html>

- Hines, E. Adulyanukol, K, and P. Manito. Dugong conservation issues and conservation and management update. Invited Side Event, First Official Signatory State Meeting for the Dugong, the Convention on Migratory Species. Abu Dhabi, United Arab Emirates, 4-6 October 2010. <http://www.cms.int/dugong/en/document/side-event-dugong-conservationissues-and-conservation-and-management-update-ellen-hines>
- Workshop Organizer, GIS, Habitat Modeling and Marine Mammals: at Society of Marine Mammalogy Biennial meetings between 1999 and 2011. <http://www.whoi.edu/sites/marinemammalmodeling>
- Hines, E., S. Mananunsap, A. Ilangakoon, L. Ponnampalam, and L. Morse. Population, distribution and conservation of coastal cetaceans along the eastern Gulf coast of Thailand. Presentation at the XVII Biennial Conference on the Biology of Marine Mammals, Quebec, Canada. October, 2009. Juried.
- Hines, E., and K. Adulyanukosol. The need for marine protected areas for dugongs in Southeast Asia. In the workshop: Improving the Contribution of Marine Protected Areas to the Conservation of Sirenians (Manatees and Dugongs). International Marine Conservation Congress, Washington DC, May 19-24th, 2009. (Workshop organizer with Helene Marsh, Cynthia Taylor and Caryn Self-Sullivan). Juried.
- Hines, E., Parr, L, Mya, T.T., Kwan, D., and A. Novak. Interviews about dugongs and community conservation issues in the Myeik Archipelago of Myanmar. Poster Presentation at the XVI Biennial Conference on the Biology of Marine Mammals, Capetown, South Africa. November, 2007. and Presentation at the Fourth International Sirenian Symposium, November 27th , Capetown, SA. Juried.
- Hines, E., and H. Marsh. Community participation in GIS: An introduction to the tools, techniques, processes, and opportunities in cultural mapping with communities. Great Barrier Reef Marine Park Authority. Townsville, QLD, Australia, September 29, 2005 Invited.

GRADUATE STUDENT SUPERVISION <http://online.sfsu.edu/ehines/labmembers1.html>

*Selected Theses completed under my supervision * denotes published in a peer-reviewed journal:*

- *Suzanne Poloner Holguin (Manatees in Turneffe Atoll, Belize, completed in Fall 2004).
- Jim Pettigrew (Invasive green crabs in Tomales Bay, completed in Spring 2005).
- Cyndy Comerford (GIS, Environmental Justice and Public Health in San Francisco, completed in Spring 2005, currently Manager of Planning, Policy and Analysis City and County of San Francisco)
- *Dorothy Dick (Relative abundance and fine-scale habitat use of dolphins at Turneffe Atoll, Belize, completed in Spring 2008)(defended PhD with Dr. Dawn Wright, Oregon State University & NOAA Knauss Policy Fellow, Washington DC)).
- Sadie Waddington (Quantitative Study of Sediment Accumulation due to Mangrove Removal at Turneffe Atoll, Belize, completed in Spring 2008, currently Save the Bay).
- Angela Yu (A Comparison of Habitat Conservation Planning for Butterflies in San Bruno Mountain and the Wisconsin Karner Blue Butterfly (completed in Spring 2008, currently TRC Environmental Services)
- *Matt Merrifield (Building regional threat-based networks for estuaries in the western United States, completed in Fall 2008, currently GIS lead for TNC).
- Stefanie Egan (Using a GIS for Planning a Biosphere Reserve Turneffe Atoll, Belize, completed in Spring 2009).
- *Kota Funayama (How sea level rise will change habitat for elephant seals in Point Reyes National Seashore, completed in Fall 2010).

- *Andrea Dransfield, Where The Whales Are: Using habitat modeling to inform marine spatial planning in Cordell Bank and Gulf of the Farallones National Marine Sanctuary (completed in Fall 2012)(currently with California Fish and Wildlife).
- *Jennifer McGowan, Intersections at Sea: using marine spatial planning to inform oil spill response (completed in Fall 2012)(defended PhD with Dr. Hugh Possingham, University of Queensland, now research scientist, Yale University).
- Timothe Vincent, Finless porpoises in Hong Kong harbor, population distribution and environmental planning (completed Fall 2013, currently GIS with Anthropocene Institute). ○ *Caitlin Jenson (NOAA Nancy Foster Scholar), Spatial and temporal variability in shipping traffic entering and exiting San Francisco Bay (completed Spring 2014, currently GIS with AECOM).
- Kristal Ip, A GIS soundscape of an urban environment, with Tendai Chitewere (completed in Spring of 2014, currently w Exploratorium, San Francisco) ○ Eli Waggoner, Using LiDAR to model carbon sequestration in urban forests, with Leo Blesius (completed in Spring of 2015).
- Laura Duffy (MS in Marine Biology, Patterns in habitat use by harbor porpoises (*Phocoena phocoena*): finding relationships between harbor porpoises and tidal cycles at the Golden Gate (with Sarah Cohen (RTC) and Jon Stern (Biology) (Completed Fall 2015, Biologist at AECOM)
- *Laurel Ballenti (MS in Geographic Information Science) Tree species classification using hyperspectral imagery: A comparison of two classifiers, with Leo Blesius (completed in Fall of 2016. Her paper was published in Remote Sensing, and she is currently with the USGS. ○ *Nathaniel Greig, Lethality of cetacean ship-strikes in Washington National Marine Sanctuaries. (Completed Spring 2016, GIS for Midpeninsula Regional Open Space District). ○ Rubaya Pervin, Identifying changes in mangroves and shrimp farming in the eastern Gulf of Thailand using remote sensing. (Completed Spring 2016, in PhD program at University of Indiana).
- *Anna Studwell, Habitat use by non-central foraging seabirds in the Cordell Bank and Gulf of the Farallones National Marine Sanctuaries. (Completed Spring 2016, Associate Director for the Institute of GISciences, SFSU).
- *Cara Gallagher (MS in Marine Biology), Estimating the sequestration and outflow of energy from San Francisco Bay by a returning marine predator, the harbor porpoise, *Phocoena phocoena*. (Completed Spring 2016, in PhD program at Aarhus University, Denmark).
- Melissa Kent (MA in Resource Management and Environmental Planning) Using citizen science and community-based mapping with whale-watching naturalists to fill in gaps in cetacean science. Completed Spring 2017, 2017 California Sea Grant Fellow and full-time scientist with the California Ocean Trust.
- Karen Backe (MS in Marine Science), How will sea level rise and increased storm surge effect fine-scale harbor seal habitat use in the Russian and Eel River Estuaries? Completed Spring 2018, National Park Service, PhD Student, University of Miami.
- Kaytlin Ingman (MS in Marine Science) Large cetaceans around the Farallon Islands, how effected by climatic oscillations over time. Completed Spring 2018, SF Zoo.
- Max Czapaniskiy (MS in GISciences) Seabird tagging in the Central Pacific to assess use of wind in foraging. Completed Spring 2018, Hopkins Marine Station, PhD program. ○ *Samantha Cope (MS in Marine Sciences) Radar/AIS and acoustic ship tracking in San Francisco Bay. Completed Summer 2018, currently GIS with Anthropocene Institute. ○ *Jane Rudebusch (MS in Marine Science) A risk assessment of sea otter expansion into San Francisco Bay. Completed Spring 2019, currently with USGS Seafloor Mapping Lab. ○ Abby Mohan (MS in Marine Sciences) Working from the middle, a multidirectional approach to mangrove

- conservation. Completed Spring 2019. Currently at Silvestrum Climate Associates. ○ Ryan Anderson (MS in Marine Sciences) High resolution aragonite saturation modeling for the North-Central California shelf. Completed Spring 2019. Currently at Applied Technology & Science.
- Salma Abdel Raheem (MS in GISciences) Marine spatial planning for St. Georges Caye, Belize. Completed Spring 2019. Currently with the Whale Museum, Friday Harbor, Washington.
 - Jeffrey Blumenthal (MA in Resource Management and Environmental Planning) Environmental covariates and invasive Atlantic oyster drill distribution in Richardson Bay, Sausalito. Completed Fall 2019. Currently with the Smithsonian Environmental Research Center. ○ Lindsay Young (MS in Interdisciplinary Marine & Estuarine Science) Fine scale foraging of harbor porpoises in San Francisco Bay, completed Fall 2020, currently with the Oakland Museum.
 - Anna Costanza (MS in Interdisciplinary Marine & Estuarine Science) Participatory risk assessment of humpback whale (*Megaptera novaeangliae*) & leatherback turtle (*Dermochelys coriacea*) bycatch in Northern Peru. Completed Fall 2020, currently with the Anthropocene Institute.
 - Allison Payne (MS in Interdisciplinary Marine & Estuarine Science) Long-term risk of entanglement for humpback whales in the Greater Gulf of the Farallones, California. Completed in Spring 2022, currently a PhD Student at UC Santa Cruz.
 - Bethany Frantz (MS in Geographic Information Science) Habitat and bycatch risk of South American sea lions in northern Chile. Completed summer of 2022.
 - Tishma Patel (MS in Interdisciplinary Marine & Estuarine Science) Spatial distribution and threats to finless porpoises throughout their range. Completed summer of 2022, currently with Greater Farallons National Marine Sanctuary ○ Dennis Jongsomjit (MS in Geographic Information Science) Describing the wintering ecology of the Adelie penguin within the Ross Sea (NSF Graduate Research Fellowship grant recipient). Completed summer of 2022, currently with Point Blue Conservation Science.

Theses in progress (as chair):

- Alexandra Bevan (MS in Interdisciplinary Marine & Estuarine Science). Abundance, distribution and conservation of the West Indian manatee around St. Georges Caye, Belize.
- Kathryn Kazuko High (MS in Interdisciplinary Marine & Estuarine Science) Spatial distribution and oceanographic patterns of stranded marine mammals along the coast of central California.
- Preston Duncan (MS in Geographic Information Science) Site-level risk assessment of northern spotted owl reproductive success in Marin County, California.
- Rebekah Lane (MS in Interdisciplinary Marine & Estuarine Science) Risk assessment of gray and humpback whales in relation to vessel traffic in San Francisco Bay.
- Bianca Bahman (MS in Interdisciplinary Marine & Estuarine Science) Animals as Oceanographers: Using animal tag data to describe physical characteristics in oceanography
- D'Andre Alejandro (MS in Interdisciplinary Marine & Estuarine Science) Incidence of microplastics in northern anchovies (*engralis mordax*) off central California
- Maria Salgado (MS in Interdisciplinary Marine & Estuarine Science) California sea lions (*Zalophus californianus*) foraging on the Farallon Islands.
- Margaret Whitlock (MS in Interdisciplinary Marine & Estuarine Science)
- Kelly DeForest (MS in Geographic Information Science)
- Dagny Ysais (MS in Interdisciplinary Marine & Estuarine Science)
- Marina Bozinovic (MS in Geographic Information Science)

- George Czech (MS in Interdisciplinary Marine & Estuarine Science)
- Jackson Vanfleet-Brown (MS in Interdisciplinary Marine & Estuarine Science)
- Kathi George (MS in Interdisciplinary Marine & Estuarine Science)

PhD students:

Pamela Rittelmeyer, University of California Santa Cruz, completed Fall 2020. (How community values motivate measures for climate change in the Sacramento-San Joaquin Delta) w Dr. Zdravka Tzankova (CSU Chancellors Doctoral Incentive Program)

Petch Manopawitr, University of Victoria, (Designing an effective Marine Protected Area Network in Thailand's Andaman Sea to address the impacts of climate change) w Dr. Phil Dearden (Completed Fall 2019)

Justine Jackson-Ricketts, University of California Santa Cruz (Diet, Life Events, Habitat, and Conservation of Irrawaddy Dolphins (*Orcaella brevirostris*) in the Gulf of Thailand), completed in Fall of 2016 w Dr. Dan Costa.

Tara Whitty, Scripps Institute of Oceanography (Mapping Conservation Scapes of Small-scale Cetaceans and Small-scale fisheries: Irrawaddy dolphins in SE Asia), completed Fall of 2014 w Dr. Lisa Ballance.

Katie deCommare, University of Massachusetts (The conservation and habitat ecology of Antillean manatees (*Trichechus manatus manatus*) in the Drowned Cayes area, Belize Central America) completed 2011, w Dr. Solange Brault.

NOMINATION DU DR GABRIEL HOINSOUDE SEGNIAGBETO AU POSTE DE CONSEILLER
NOMME PAR LA COP - MAMMIFERES AQUATIQUES

(présentée par le gouvernement du Togo)



N° 046 / LaEE/FDS/UL /2023

Lomé, le 20 février 2023

Segiagbeto Hoinsoude
Laboratoire d'Ecologie et
d'Ecotoxicologie, faculté des
Sciences, Université de Lomé

Au

Secrétariat CMS

Objet : *Nomination de candidats pour le conseiller nommé par la COP dans les domaines des mammifères aquatiques et du changement climatique*

Madame / Monsieur,

J'ai eu l'honneur d'être proposé par le Point focal togolais pour être nommé comme conseiller scientifique par la COP14 dans les domaines des mammifères aquatiques et du changement climatique à la Convention sur les Espèces Migratrices (CMS). Je confirme par la présente que je suis prêt à accepter cette nomination au cas où je serais élu lors de la 14^{ème} Conférence des Parties.

En espérant que ma candidature soit évaluée favorablement, je vous prie de croire,
Chère Madame / Cher Monsieur, à l'expression de ma considération distinguée.

Dr. Gabriel Hoinsoude SEGNIAGBETO

MINISTERE DE
L'ENVIRONNEMENT
ET DES RESSOURCES
FORESTIERES

SECRETARIAT GENERAL

DIRECTION DES
RESSOURCES
FORESTIERES
REPUBLIQUE
TOGOLAISE
Travail- Liberté - Patrie

DIVISION DES AIRES PROTEGEES ET DE LA FAUNE

N° 0104/D

/DRF/DAPF

Lomé, le

22 FEV 2023

LE DIRECTEUR

Madame le Secrétaire
Exécutive de la Convention sur
les espèces migratrices (CMS)
E-mail : cms.secretariat@cms.int
E-mail : andrea.pauly@un.org

Objet : nomination de candidats pour le conseiller nommé par la COP dans les domaines
des mammifères aquatiques et du changement climatique.

Madame le Secrétaire,

Nous venons par la présente vous souhaiter les vœux, les meilleures pour la nouvelle année (2023). Nous saisissons cette occasion pour vous présenter la candidature de notre compatriote, Docteur Gabriel Hoinsoude Segniagbeto, au poste de conseiller nommé par la conférence des parties (COP) dans les domaines des mammifères aquatiques et du changement climatique.

En effet, nous sommes convaincus que Monsieur Gabriel Hoinsoude Segniagbeto, Zoologiste, Maîtres de conférences à l'Université de Lomé, pourrait apporter une contribution importante aux travaux du conseil scientifique et de son Comité de session. A notre avis, il remplit tous les critères selon les termes de référence indicatifs pour un conseiller thématique nommé par la COP (voir CMS Notification 2022/23).

Il est un expert internationalement reconnu et renommé sur les mammifères terrestres (éléphants d'Afrique) et aquatiques d'eau douce et marins, de même pour les tortues marines et les oiseaux migrateurs. Depuis 2014, il est admis dans le groupe des spécialistes de l'Union internationale pour la conservation de la nature (UICN) sur les mammifères marins et terrestre, le lamantin, les tortues marines, les éléphants, les primates etc. Bien évidemment, il travaille

sur d'autres thématiques de l'UICN, au niveau national et régional depuis deux décennies, notamment sur les tortues d'eau douce, les reptiles et les amphibiens et la gestion des aires protégées, y compris les aires marines protégées.

Direction des Ressources Forestières ; 52, QAD, Rue de la Kozah ; OIBP 355 Lomé-Togo,

E-mail : drf@environnement.gouv.tg; Tél/Fax: +228 ZZ ZI 86 43

Le candidat dispose d'une très grande expérience sur l'application de la convention sur le commerce international des espèces de faune et de flore sauvages menacées d'extinction (CITES). Il est le coordinateur de l'Autorité Scientifique CITES du Togo et à ce titre appuie l'organe de gestion CITES dans l'élaboration des quotas et sur l'avis du commerce non préjudiciable. En outre, il travaille en tant que scientifique senior et enseignant-chercheur à l'Université de Lomé où il encadre des mémoires de masters et de thèse de doctorat.

Pour la convention sur les espèces migratrices (CMS), Docteur Segniagbeto a été très actif pendant de nombreuses années dans diverses initiatives et projets liés aux mammifères aquatiques et surtout les mammifères marins.

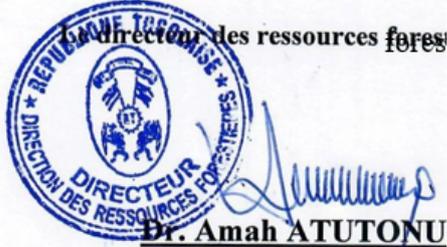
Il a été un grand artisan au cours des négociations sur le Mémorandum d'Accord sur la Conservation du lamantin et des petits cétacés d'Afrique occidentale et de la Macaronésie, notamment (Western African talks on Cetaceans and their Habitats WATCHI / discussions d'Afrique occidentale sur les cétacés et leurs habitats, Adeje, Tenerife, Espagne, 16-20 octobre 2007, et WATCH 112-3 octobre 2008 à Lomé, Togo). Il a également contribué à l'inscription du lamantin ouest-africain (*Trichechus senegalensis*) à l'Annexe II de la CMS.

Sur le plan régional, le candidat dispose des expériences sur les mammifères marins, notamment au Cameroun, au Bénin, au Ghana et bien évidemment au Togo. Il est actuellement membre du groupe de travail sur le dauphin du Cameroun (*Sousa teuszii*) dont il a contribué à l'amélioration des connaissances scientifiques sur son statut de conservation. Il a également participé à l'évaluation de la vulnérabilité des espèces de mammifères, de reptiles, d'oiseaux et de poissons par rapport au changement climatique dans le cadre du projet Aires protégées résilientes au changement climatique en Afrique de l'Ouest (PARCC), financé par le fonds pour l'environnement mondial (FEM).

Nous serions très heureux si Docteur Gabriel Hoinsoude Segniagbeto pouvait gagner la confiance et le soutien des parties lors de la prochaine COP de la CMS. N'hésitez pas à nous contacter pour de plus amples informations.

Veillez agréer, Madame le secrétaire, l'expression de ma considération distinguée.

Direction des ressources forestières



Dr. Amah ATUTONU

Direction des Ressources Forestières ; 52, QAD, Rue de la Kozah ; OIBP 355 Lomé-Togo,
E-mail : drf@environnement.gouv.tg; Tél/Fax : +228 ZZ ZI 86 43

CURRICULUM VITAE : Gabriel Hoinsoude SEGNIAGBETO

Zoologiste, Maître de Conférences et Directeur Adjoint du Laboratoire d'Ecologie et d'Ecotoxicologie (LaEE), Faculté des sciences, Université de Lomé.

Profil

Zoologue, spécialiste de la biodiversité continentale, marine et côtière en Afrique de l'Ouest (Mammifères, Oiseaux (oiseaux d'eau), Reptiles, Amphibiens et Poissons). Coordinateur de l'Autorité Scientifique CITES du Togo, Point focal national de la COI-UNESCO UNESCO. Spécialiste en mobilité internationale (élaboration et gestion des projets de mobilité universitaire notamment les projets Erasmus+). Je travaille sur des projets liés à la gestion de l'environnement marin et côtier au Togo et en Afrique de l'Ouest notamment au Bénin, Sénégal, Cameroun, Ghana, Côte d'Ivoire (notamment le projet de la création de la réserve de biosphère transfrontière du Mono), mais également sur les projets de gestion des aires protégées dans l'ensemble de la sous-région (projet PRAT au Togo, projet de territoire de conservation avec l'UICN et le projet PARCC avec l'UICN). Je suis membre du groupe des experts pour l'évaluation de la Liste verte des aires protégées et conservées de l'UICN au sein de l'espace marin de l'Afrique de l'Ouest. Je suis membre du groupe de spécialistes de l'UICN pour les mammifères (terrestres et marins), les tortues (marines, d'eau douce et terrestres), les autres groupes des reptiles et les amphibiens. Je suis spécialiste de l'évaluation de la liste verte de l'UICN pour l'Afrique de l'Ouest. Je suis également spécialiste de la gestion et de la restauration des écosystèmes de mangroves. Je suis spécialiste en Planification bleue (planification de l'espace marin), en adaptation aux changements climatiques dans les zones marines et côtières et intégration des services écosystémiques dans les projets. J'ai travaillé avec l'UICN sur les évaluations de la biodiversité face aux changements climatiques (évaluation des traits écologiques et biologiques des espèces animales).

Affiliations et responsabilités au sein de l'institution actuelle

Directeur Adjoint du Laboratoire d'écologie et d'écotoxicologie de la Faculté des sciences de l'Université de Lomé. Je coordonne les activités de recherche du laboratoire ainsi que le programme du master en Ecologie et Gestion des Ressources Fauniques, y compris la pêche à l'Université de Lomé. Je supervise également les doctorants du laboratoire.

Carrière récente

De 2021 à ce jour	Directeur Adjoint du Laboratoire d'écologie et d'écotoxicologie de la Faculté des sciences de l'Université de Lomé
De 2016 à ce jour	Maître de Conférences en Zoologie, systématique, taxonomie, écologie et Biologie de conservation à l'Université de Lomé
De 2018 à ce jour	Chercheur invité au Museum National d'Histoire Naturelle de Paris France (Institut de Systématique, Evolution, Biodiversité. UMR 7205 CNRS, MNHN, UPMC EPHE).
Mars à juillet 2012	Post-doc Department of Diversity Dynamics / Curator of Herpetology, Museum für Naturkunde Berlin / Leibniz Institute for Evolution and Biodiversity Science.
De 2017 à ce jour	Coordinateur de l'Autorité Scientifique CITES du Togo, Faculté des Sciences, Université de Lomé.

De 2020 à ce jour Point focal de la COI – UNESCO du Togo.
De 2018 ce jour Conseiller scientifique de l'Association Togolaise pour la Conservation de la Nature (ONG AGBO-ZEGUE), actuellement membre de l'UICN dont je suis le fondateur.

Education

2009 Thèse de doctorat en Zoologie : Taxonomie et Ecologie, Museum National d'Histoire Naturelle de Paris France (Institut de Systématique, Evolution, Biodiversité. UMR 7205 CNRS, MNHN, UPMC EPHE).

2004 Master en Ecologie Végétale appliquée Université de Lomé, Faculté des Sciences.

Quelques expériences aux zones humides et à l'océan

2017 à ce jour Expert national et régional sur la planification spatiale marine.
i. Participant à la formation des formateurs - Formation Blues (Solutions Bleues : Blue Planning in Practice, Climate change Adaptation to the costal and marine ecosystems, Integrative Ecosystem Service and Adults training techniques), GIZ, GRID-Arendal, Convention d'Abidjan (Projet Mami Wata), 2028 avril 2017 (Bali, Indonésie). ii. Assistant technique à la formation pour francophones sur la planification de l'espace marin du projet Mami Wata (Convention d'Abidjan PNUD/PNUE et GRID Arendal), Dakar, Sénégal (11-15 décembre 2017). Formateur national des responsables du Haut Conseil pour la mer sur la planification spatiale marine (décembre 2021). iii. Membre du groupe des formateurs à la Formation des formateurs sur la Planification Spatiale Marine (Abidjan 23 au 28 mai 2022).

2022 – 2024 Expert régional pour l'évaluation de la Liste verte des aires protégées et conservées de l'UICN au sein de l'espace marin de l'Afrique de l'Ouest (Projet WACA).

May to July 2022: Regional expert on drafting proposal: Using Marine Spatial Planning in the Gulf of Guinea for the implementation of Payment for Ecosystem Services and Coastal Nature-based Solutions (Côte d'Ivoire, Ghana and Togo), GEF project. IUCNPACO.

Fevrier à juillet 2022 Expert pour l'élaboration du Rapport sur l'état de de l'environnement marin au Togo, et de l'état de l'environnement marin transfrontière entre le Togo et le Bénin, GRID-Arendal

- Mars à novembre 2020 Diagnostic prospectif de l'état de conservation des mangroves au Togo : état de conservation et perspectives de restauration, IUCN IUCN – Programme Marin et Côtier, Malle DIAGANA
malle.diagana@iucn.org, Tel. : +221 77 379 20 47 & TOP Bara, Bara.Top@iucn.org,
- Janvier 2020 IOC (UNESCO), Regional Consultation Workshop for UN Decade of Ocean Science for Sustainable Development for Africa and the Adjacent Island States, Definition of strategy and priority for the decade, 27-29 January 2020, Nairobi, Kenya.
- 2018 – 2020 Membre du Pool des experts pour l'élaboration du deuxième rapport mondial sur l'état de l'environnement marin/ The second World Ocean Assessment (WOA II), UN Regular Process.
- Novembre 2019 Expert de la CDB sur la "Consultation thématique sur la biodiversité marine et côtière pour le cadre mondial de la biodiversité post-2020, Définition de l'objectif et de l'indicateur du cadre mondial de la biodiversité post-2020" (Workshop 6-8 Novembre 2019– Montreal, Canada).
- Juillet 2013 à décembre 2018 Conseiller scientifique sur l'élaboration et la mise en œuvre du projet de création de la réserve de biosphère transfrontière du Mono entre le Togo et le Bénin (Financement GIZ Togo).
- Février 2014 CBD expert workshop on underwater noise and its impacts on marine and coastal biodiversity (Workshop, 25-27 Février London (UK).
- Février 2013 à juin 2013 Expert régional sur l'initiative pour un océan durable (SOI) : (i) Décrire les zones marines d'importance écologique ou biologique (ZIEB) en appliquant les critères scientifiques adoptés par la décision IX/20 de la CDB, (ii) Rassembler, examiner, analyser et synthétiser les données/informations/cartes scientifiques pertinentes recueillies par le biais de la ZIEB de la CDB, (iii) Compiler et produire des rapports régionaux sur la ZIEB pour examen par les OSASTT, Dakar, Sénégal. Financement par la CDB.
- Mai 2012 – Janvier 2016 Expert régional sur le projet « projet PARCC, Aires protégées résilientes au changement climatique en Afrique de l'Ouest », Un projet financé par le FEM officiellement connu sous le nom d'« Évolution des systèmes d'AP vis-à-vis du changement climatique en Afrique occidentale ».
- Mai 2011 Exploratory survey of Cetaceans and their status in Cameroon. UNEP/CMS Convention on Conservation of Migratory Species and Wild Animals and Columbus Zoo Conservation Fund.
- Octobre 2008 Western African talks on Cetaceans and their Habitats WATCH II / discussions d'Afrique occidentale sur les cétacés et leurs habitats, 2-3 octobre 2008 à Lomé, Togo
- Octobre 2007 Western African talks on Cetaceans and their Habitats WATCH I / discussions d'Afrique occidentale sur les cétacés et leurs habitats, Adeje, Tenerife, Espagne, 16-20 octobre 2007

Octobre 2007

CBD Expert Workshop on ecological criteria and biogeographic classification systems for marine areas in need of protection, (2-4 October 2007, Azores, Portugal)

Unités d'enseignement à l'Université de Lomé

1. BIO225 : Systématique et phylogénie des animaux (Licence de Biologie à la Faculté des Sciences).
2. BIO180 : Notion d'évolution du vivant (Licence de Biologie à la Faculté des Sciences)
3. BIO2123 : Diversité animale, biologie et écologie des milieux terrestres et aquatiques (Master Ecologie et Gestion des Ressources Fauniques)
4. GEO2121 : Changements climatiques et Biodiversité: évaluation de la vulnérabilité et adaptation des espèces (Master Ecologie et Gestion des Ressources Fauniques)
5. GEN2220 : Génétique des populations et évolution (Master Ecologie et Gestion des Ressources Fauniques)
6. BIO2225 : Techniques de collectes, gestion des collections zoologiques (Master Ecologie et Gestion des Ressources Fauniques)
7. ENV2324 : Suivi écologique, Aménagement des aires protégées et conservation de la biodiversité (Master Ecologie et Gestion des Ressources Fauniques)

Masters encadrés

- a. Kossi AHOEDO 2023. Impact de la senne de plage sur la biologie de *Brachydeuterus auritus* et de *Sardinella aurita* au Togo. Master Ecologie et Gestion des Ressources Fauniques, FDS/Univ. Lomé. 50 p
- b. Charlotte Mawoussi Yawa AKOETÉY 2023. Les insectes aquatiques bioindicateurs dans le Lac Togo. Mémoire de Master Ecologie et Gestion des Ressources Fauniques, FDS/Univ. Lomé. 57 p.
- c. Georges Komla DABIA 2023. Diversité et statut de conservation des Coléoptères de la forêt classée de Missahohe. Mémoire de Master Ecologie et Gestion des Ressources Fauniques, FDS/Univ. Lomé. 36 p.
- d. Komi Mawunya GBEMOU. Rôle de la zone tampon sur la dynamique des mammifères dans les périphéries du Parc National Fazao-Malfakassa, Mémoire de Master Ecologie et Gestion des Ressources Fauniques, FDS/Univ. Lomé. 38 p.
- e. Rakib Traoré ISSAKA 2023. Les Chiroptères de la forêt classée d'Assoukoko : Diversité, écologie et intérêt épidémiologique, Mémoire de Master Ecologie et Gestion des Ressources Fauniques, FDS/Univ. Lomé. 45 p.
- f. Koffi Valentin MAWOUGNIGAN 2023. Evaluation du circuit commercial et de la mortalité des spécimens de reptiles exploités dans le commerce international au Togo : cas des pythons, varans et caméléons. Mémoire de Master Ecologie et Gestion des Ressources Fauniques, FDS/Univ. Lomé. 70 p.
- g. AYEWA Abdou-Rachad 2021 : Etude comparative de la rentabilité de quelques souches d'*Oreochromis niloticus* au Togo. Master Ecologie et Gestion des Ressources Fauniques, FDS/Univ. Lomé. 46 p.

- h. KONKO Afi Florence 2021 : Impact de la senne tournante dans la gestion des ressources halieutiques. Master Ecologie et Gestion des Ressources Fauniques, FDS/Univ. Lomé. 50p.
- i. SONHAYE-OUYE Abré 2021. La Chasse et la gestion des ressources naturelles dans le parc national de Fazao Malfakassa. Master Ecologie et Gestion des Ressources Fauniques, FDS/Univ. Lomé. 43 p.
- j. HOUNMAVO Amétépé 2021. Diversité des petits mammifères dans la zone nord du parc national de Fazao Malfakassa. Master Ecologie et Gestion des Ressources Fauniques, FDS/Univ. Lomé. 35 p.
- k. Délagnon ASSOU 2017. Faune ichtyologique et production halieutique du système lagunaire côtier du Togo. Master Aménagement de la Faune, Aire Protégée et Parcours Naturel (FSA/UAC).
- l. Kossi AGBODJI, 2017. Etude de l'impact du commerce illicite de l'ivoire sur les populations d'éléphant d'Afrique (*Loxodonta Africana*) au Togo. Master sur la gestion et la conservation des espèces faisant objet de commerce : le cadre international, Université Internationale d'Andalousie, Espagne, 54 p.
- m. Koffi Ganyo Eric AGBESSI 2015. Dynamique spatiale des populations de *Cercopithecus erythrogaster erythrogaster* dans le complexe d'aires protégées togodo (Togo). Université Poly-Technique de Bobo-Dioulasso / Institut de Développement Rural. 81 p.
- n. Pan-bare MAPOKE 2015. Contribution à la gouvernance locale des aires protégées : cas du complexe Oti-Kéran. Université Senghor d'Alexandrie. 66 p.
- o. Kounkatonébéha KPIDIBA 2013. Déterminants et dynamiques d'intégration de l'Oti-Kéran et Oti-Mandouri dans les aires protégées transfrontalières du WAP. Université Senghor d'Alexandrie, 50 p.
- p. Dédé OKANGNY 2012. Contribution à l'étude sur l'exploitation des ressources halieutiques dans les eaux marines togolaises : cas de l'anchois (*Engraulis ancrasicolus*). Master RESBIO, FSA, Université d'Abomey Calavy (Cotonou-Bénin). 51 p.
- q. Atchou Djidjonou AMEGBLEAME 2010. Incidence Scocio-économique du commerce international des Reptiles du Togo. Mém. Master Sciences et Techniques en Management des Entreprises Option TPE/PME, FASEG/Univ. Lomé, 101 p.

Encadrement de thèse

- a. Eric Koffi Ganyo Agessi ; Ecologie et distribution des primates dans la zone forestière du Togo. Thèse de doctorat à l'Université de Lomé soutenue le 31 décembre 2022.
- b. Joseph Doumbia : Ecologie et composition des communautés d'amphibiens dans le Sud-Est de la Guinée. Thèse de doctorat en codirection entre l'Université de Lomé et le Nature Kunden Museum für Berlin (Germany). Soutenue le 20 janvier 2023.
- c. Délagnon ASSOU 2018-2021. Dynamique ichtyologique et hydrologique du système lagunaire côtier du Togo. Thèse de doctorat à l'Université de Lomé (Togo, en cours).
- d. Kafui Dekawole 2018-2021. Diversité spécifique adaptative des amphibiens d'Afrique de l'Ouest. Thèse de doctorat en codirection entre l'Université de Lomé, Muséum national d'histoire naturelle de Paris (France) et le Nature Kunden Museum für Berlin (Germany). (en cours)

- e. Pé 2 GOUMOU : Diversité et distribution spatiale des amphibiens de la Guinée Forestière.
Thèse de doctorat à l'Université de Lomé (en cours)

Liste des publications scientifiques de Segniagbeto relatives à la mission

1. **Segniagbeto G. H.**, Akpamou K.G., Konko Y., Gaglo J.K.T., Ketoh G.K., Dendi, D., Fa, J.E., Luiselli, L. 2022. Diversity and Relative Abundance of Ungulates and Other Medium and Large Mammals in Flooded Forests in the Dahomey Gap (Togo). *Animals*, 12, 3041. <https://doi.org/10.3390/ani12213041>.
2. Dolar, L., Barbieri, M., Crespo, E. A., Palacios, D. M., Pastene, L. A., Ponnampalam, L. S., Rajamani, L., Reyes, J. C., Rojas-Bracho, L., Secchi, E., **Segniagbeto, G. H.**, Siciliano, S., Sutaria, D. N., Urbán, J., Wang, J. Y., Yamada, T. K., & Van Waerebeek, K. (2022). William Fergus Perrin - a marine mammalogist 'for all seasons': 20 August 1938 - 11 July 2022. *Latin American Journal of Aquatic Mammals*, 17(2) <https://doi.org/10.5597/lajam00287>.
3. Assou D., N. D’Cruze, H. Kirkland, M. Auliya, D. W. Macdonald, **G. H. Segniagbeto**. 2021. Camera trap survey of mammals in the Fazao-Malfakassa National Park, Togo, West Africa. *African Journal of Ecology*. 2021;00:1–14. <https://doi.org/10.1111/aje.12856>.
4. **Segniagbeto, G.H.**, Assou, D., Agbessi, E. K. G., Atsri H. K., D’Cruze, N., Aulya,, J E. Fa & Luiselli, L.2020. Insights into the status and distribution of pangolins in Togo (West Africa). *African Journal of Ecology*, 2020;00:1–8. <https://doi.org/10.1111/aje.12809>.
5. **Segniagbeto GH**, Agbodji KT, Leuteritz TEJ, Dendi D, Fa JE, Luiselli L. Insights into the illegal ivory trade and status of elephants in Togo, West Africa. *African Journal of Ecology*. 2020;00:1–9. <https://doi.org/10.1111/aje.12748>.
6. **Segniagbeto G. H.**, K. H. Atsri, Assou D., K. D. Koda, G. Amori, J. Decher, D. Dendi & L. Luiselli. 2018. Diversity and conservation status of ungulates in the Mono Transboundary Biosphere Reserve, Togo (West Africa). *Tropical Zoology*. <https://doi.org/10.1080/03946975.2018.1477248>
7. **Segniagbeto G.H.**, Atsri K. H., Assou D., Abotsi K. E., Akpamou K. G., Amori G., Dendi D., Decher J., & Luiselli L., 2018. Local distribution and density estimates of primates

in the transboundary reserve of Mono in Togo (West Africa). *Revue d'Ecologie (Terre et Vie)*, Vol. 73 (3): 363-374.

8. **Segniagbeto G.H.**, Okangny D., Mondedji A.D., Assou D., Amori G., Dendi D., & Luiselli L., 2017. Sea turtle bycatch analysis revealed that site influenced mortality more than net types along the coast of Togo. *Vie et Milieu – Lide and Environment*, 67 (3-4): 227-234.
9. **Segniagbeto G H**, Assou D., Koda K D. Agbessi E. K. G., Dendi D., Luiselli L., Decher J., Mittermeier R. A. 2017. Survey of the status and distribution of primates in Togo (West Africa). *Biodiversity*, 18 (4): 137 – 150.
10. Van Waerebeek, K., Uwagbae, M., **Segniagbeto, G.**, Bamy, I. L. & Ayissi, I. 2017. New Records of Atlantic Humpback Dolphin (*Sousa teuszii*) in Guinea, Nigeria, Cameroon and Togo underscore pressure from fisheries and marine bushmeat demand. *Revue d'écologie Terre & vie*, 72 (2) : 192-205.
11. **Segniagbeto, H. G.**, Okangny, K., Denadi, D., Fretey, J & Luiselli; L. 2017. Body size and stability in the spatio-temporal distribution pattern of sea turtles along the coasts of Togo: implications for conservation and ecotourism. *Herpetozao*, 30 (1/2): 163173.
12. **Segniagbeto, H. G.**, Okangny, D., Afiademagno, K., Kpotor, K., Denadi, D., Fretey, J & Luiselli; L. 2016. Spatio-temporal patterns in occurrence and niche partitioning of marine turtles along the coast of Togo (West Africa). *Herpetozoa*, 29 (1/2): 15 – 26.
13. Amori G., **Segniagbeto G H.**, Assou D., Decher Jan, Spartaco G., Luiselli L. 2016. Non-marine mammals of Togo (West Africa): ancommented annotated checklist. *Zoosystema.*, 38 (2): 201 – 244.
14. Ayissi, I., **Segniagbeto, H. G.** & Van Waerebeek, K. 2014. Rediscovery of Cameroon Dolphin, the Gulf of Guinea Population of *Sousa teuszii* (Kükenthal, 1892). *International Scholarly Research (Biodiversity)*, Vol. 2014 (819827): 1-6. DOI: 10.1155/2014/819827.
15. **Segniagbeto, G. H.**, Afiademagno, K, Akani G. C., Petrozzi, F. & Luiselli L. 2015. Sex-ratio, population size-structure and morphometrics of tortoises and turtle species from Togo, West Africa. *Herpetozoa*, 28 (1/2): 29 – 38.
16. **Segniagbeto, G. H.**, Van Waerebeek, K., Bowessidjaou, E. J., Ketoh, G. K., Kpatcha K. T., Okoumassou, K. & Ahoedo, K. 2014. An annotated checklist of the cetaceans of

- Togo, with a first specimen record of Antarctic minke whale *Balaenoptera bonaerensis* Burmeister, 1867 in the Gulf of Guinea. *Integrative Zoology*, 9: 1-13.
17. Okoumassou, K., Durlot, S., Akpamou, K. & **Segniagbeto, H.** 2004. Impacts humains sur les aires de distributions et couloirs de migration des éléphants au Togo. *Pachyderm*, 36: 69-79.
- Bowessidjaou, J.E., Fretey, J., Formia, A. & Segniagbeto, G. H. 2006. Observations biométriques et ethnozologies préliminaires sur les tortues marines au Togo, *J. Rech. Sci. Univ. Lomé (Togo)*, Ser. A, 7(1) : 47-56.
18. Qiao B., Andrade C. F., Horta P. A., Boniface N. B. T., Chiba S., Chowdhury M. Z. R., Di Natale A., Evans K., Garcia-Soto C., Marschoff E., Moffat C., Kazadi J. M., Ojaveer H., Ruwa R., Schmidt J., **Segniagbeto H.**, Bangoura S. T., Yin K., Zhang C.-I. and Zielinski T. 2021. Chapter 3: Scientific understanding of the ocean, World Ocean Assessment II. United Nations publication, Sales no.: E.21.V.5, p47 – 58.
19. Schuyler Q., Evans K., Hirschfeld M., Mifsud C., Park C., Segniagbeto G. H., Barreto S. A. & Udyawer V. 2021. Chapter 6E: Marine reptiles, World Ocean Assessment II. United Nations publication, Sales no.: E.21.V.5, p195 – 205.
20. **Segniagbeto G. H.**, I. Ayissi, I. L. Bamy, J. Debrah, A. Djiba, J. Dossou-Bodjrenou, P. K. Ofori-Danson, A. S. Ould Bilal, Z. Sohoun, S. Tchibozo, M. Uwagbae and K. Van Waerebeek. 2019. On the utilisation of by-caught, hunted and stranded cetaceans in West Africa. IWC Scientific Committee document SC/62/SMxx, 14p.
21. **Segniagbeto, G. H.** & Van Waerebeek, K. **2012**. Quelques données sur la fréquentation des eaux marines togolaises par les cétacés. *Série technique de la CMS*, 26 : 33 – 35.
22. **Segniagbeto, G. H.** & Van Waerebeek, K. **2010**. A note on the presence and status of cetaceans in Togo. IWC Scientific Committee document SC/62/SMxx.
23. **Ségniagbeto, H. G.**, Akpamou, K.G, Tengue K. T., Djeri A. & Okoumassou, K. **2007**. Statut, distribution et habitats de lamantin d’Afrique de l’Ouest (*Trichechus senegalensis*) au sud du Togo. In Dodman, T., Ndiaye Mame Dagou.D., Sarr Khady (eds.). **2007**. A Preliminary Conservation Strategy for the West African Manatee. UNEP and PRCM/Wetlands International, Nairobi, Kenya and Dakar, Senegal. p. 65-71.

24. Fretey, J., **Segniagbeto, G. H.** & Souma, M. **2006.** Présence des tortues marines dans le vaudou, la pharmacopée et les mythes ouest-africains. Actes 2è Congrès International sur la Conservation des Chéloniens, *Chelonii* vol. 4: 204-207.
25. Bowessidjaou, J. E., Fretey, J., Formia, A. & **Segniagbeto, G. H.** **2006.** Observations biométriques et ethnozoologies préliminaires sur les tortues marines au Togo. Actes 2è Congrès International sur la Conservation des Chéloniens, *Chelonii* vol. 4: 200-203.
26. Fretey, J., **Segniagbeto, G. H.**, Dossou-Bodjrenou, J. & Souma M., 2004. *Use of marine turtles in West African pharmacopeia and vodou. Proceedings of the TwentyFour Annual Symposium on Sea Turtle Biology and Conservation.* NOAA, NMFSEFSC.
27. **Segniagbeto, G. H.**, Bowessidjaou, J.E., Akpamou, G.K., Iroko, F. & Fretey, J., **2003.** Plan for sea turtle conservation in Togo. In SEMINOFF, J.A, Compiler. Proceedings of the Twenty-Second Annual Symposium on Sea Turtle Biology and Conservation. NOAA, NMFS-SEFSC-503 : 117.
28. **Segniagbeto, H. G.**, Okangny, D. & Fretey, J. **2015.** First observation of a loggerhead, *Caretta caretta*, in Togo, West Africa. *African Sea Turtles Newsletter*, 3: 15 – 16.
29. **Ségniagbeto, G. H.** & Akpamou, G. K. F. **2011.** Contribution des ONGs à la résolution des conflits sociaux liés à la gestion des aires protégées : cas du parc national de l’Oti-Kéran. *La lettre des Aires Protégées en Afrique de l’Ouest*, 44 : 3-7.
30. Fretey, J., **Segniagbeto, G. H.** & Souma, M. **2007.** Presence of Sea Turtles in Traditional Pharmacopoeia and Beliefs of West Africa. *Marine Turtle Newsletter*, 116: 23-25.

Autres publications du candidat

1. Dendi, D., **Segniagbeto, G. H.**, Meek, R., & Luiselli, L. (2023). Opportunistic foraging strategy of rainbow lizards at a seaside resort in Togo. *African Journal of Ecology*, 00, 1–2. <https://doi.org/10.1111/aje.13100>
2. Hounmavo A., Sonhaye-Ouyé A., Assou A., Gbemou M. K., Konko F. A., Ayewa A.-R., **Segniagbeto, G. H.**, Ketoh G. K., Dendi D., Amori G. & Luiselli L. (accepted). Diresitu patterns and sympatry in Rodent assemblages along habitat gradient in the Dahomey Gap (Togo West Africa). *European Scientific Journal*.

3. Dendi D., Ajong S. N., **Ségniagbeto G. H.**, Amori G, Eniang A. E., Fa J. E., Demaya G. S., Thomas Francis Lado T. F. & Luiselli L. 2022. Detecting declines of West African Goliath beetle populations based on interviews. *Journal of Insect Conservation*, 00: 13: <https://doi.org/10.1007/s10841-022-00447-7>,
4. **Segniagbeto G.H.**, Dekawole J. K., Ketoh G.K., Dendi D., Luiselli L. 2022. Herpetofaunal Diversity in a Dahomey Gap Savannah of Togo (West Africa): Effects of Seasons on the Populations of Amphibians and Reptiles. *Diversity*, 14, 964. <https://doi.org/10.3390/d14110964>.
5. Sonhaye-Ouyé, A., Hounmavo, A., Assou, D., Afi Konko, F., **Segniagbeto, G. H.**, Ketoh, G. K., Funk, S. M., Dendi, D., Luiselli, L., & Fa, J. E. (2022). Wild meat hunting levels and trade in a West African protected area in Togo. *African Journal of Ecology*, 00, 1–12. <https://doi.org/10.1111/aje.12983>.
6. Luiselli, L., Dendi, D., Petrozzi, F. & **Segniagbeto, G. H.** 2022. Lizard community structure and spatial resource use along a forest-savannah-urban habitat gradient in the Dahomey Gap (West Africa). *Urban Ecosystems*, <https://doi.org/10.1007/s11252-022-01215-w>.
7. Dendi D., S. N. Ajonga, E. A. Eniang, **G. Hoinsoudé Segniagbeto**, D. Assou, G. K. Ketoh, M. Gomina, R. Radji, G. S. Demaya, J. S. Benansio, C. Muscarella, M. Di Vittrio, J. E. Fa, G. Amori & L. Luiselli, 2021. Microhabitat use and seasonality of the sexually dimorphic West African centaurus beetle *Augosoma centaurus*. *Entomological Science*, Dec. 2021.
8. Neira-Salamea K., C. Ofori-Boateng, N. G. Kouamé, D. C. Blackburn, G/ H. **Segniagbeto, A.** Hillers, Michael. F. Barej, A. D. Leaché & M-O Rödel, 2021. A new critically endangered slippery frog (Amphibia, Conrauidae, Conraua) from the Atewa Range, central Ghana. *Zootaxa* 4995 (1): 071–095.
9. Rödel M-O, G. B. Adum, E. Aruna, N. E. Assemian, M. F. Barej, R. Bell, T. Doherty-Bone, M. Burger, J. Doumbia, R. Ernst, N. L. G., A. Hillers, M. Hirschfeld, N. G. Kouamé, T. F. Kpan, M. Mohneke, G. A. Nago, C. Ofori-Boateng, A. Onadeko, O. S.G. Pauwels, L. SandbergerLoua, **G. H. Segniagbeto**, A.M. F. Tchassem, B. Tohé, B. Zimkus & J. Penner, 2021. Diversity, threats and conservation of western and central African amphibians (Senegal, The Gambia, Guinea Bissau, Mali, Guinea, Sierra Leone, Liberia, Ivory Coast, Burkina Faso, Ghana, Togo, Benin, Nigeria, Niger, Cameroon, Gabon, São Tome & Príncipe, Equatorial Guinea, Central African Republic, Chad, Republic of the Congo, Democratic Republic of the

Congo, northern Angola). *In book: Status and threats of Afrotropical Amphibians – SubSaharan Africa, Madagascar, Western Indian Ocean Islands. Amphibian Biology, Volume 11, Part 7 Status of Conservation and Decline of Amphibians: Eastern Hemisphere.* Publisher: Frankfurt Contributions to Natural History, Vol. 78, Edition Chimaira, Frankfurt/M.

10. Assou., D., A. Elwin, J. Norrey, E. Coulthard, D. Megson, D. Ronfot, M. Auliya, **G. H. Segniagbeto**, R. Martin, N. D’Cruze. 2021. Trade in African Grey parrots for belief-based use: insights from West Africa’s largest traditional medicine market. *Frontiers Ecology And Evolution*. doi: 10.3389/fevo.2021.612355.
11. Okangny D. **Segniagbeto G. H.**, Assou D., Chikou A., Montchowui E., Tona K., Dendi D., Fa, E J., Luiselli L., Laleye P. 2020. Exploitation Patterns of Anchovies (*Engraulis encrasicolus*) by Marine Artisanal Fisheries in Togo (West Africa), *Journal of Fisheries Science*, 2(2): DOI: <https://doi.org/10.30564/jfsr.v2i2.2283>.
12. Luiselli L., G. C. Akani , E. A. Eniang , M. Di Vittorio , F. Petrozzi , E. M. Hema , **G. H. Ségniagbeto**, D. Dendi , T. Diagne , L. Chirio & J. E. Fa. 2021. Age-stratified interview campaigns suggest ongoing decline of a threatened tortoise species in the West African Sahel. *Biodiversity*, *Biodiversity* 21(4). DOI: 10.1080/14888386.2020.1831604
13. Ayoro, H. J., **G. H. Segniagbeto**, E. M. Hema, J. Penner, A. Oueda, A. Dubois, M-O Rödel, G. B. Kabré, A. Ohler. 2020. Amphibian species (Vertebrata, Tetrapoda) of Burkina Faso: a commented list. *Zoosystema*. 42 (28): 547 – 582.
14. D’Cruze N, Harrington LA, Assou D, Green J, Macdonald DW, Ronfot D, Hoinsoudé Segniagbeto G, Auliya M (2020) Betting the farm: A review of Ball Python and other reptile trade from Togo, West Africa. *Nature Conservation* 40: 65–91. <https://doi.org/10.3897/natureconservation.40.48046>
15. D’Cruze N., Assou D., Coulthard E., Norrey J., Megson D., Macdonald D. W., Harrington L., Ronfot D., **Segniagbeto G. H.**, Auliya M., 2020. Snake Oil and Pangolin Scales: Insights into Wild Animal Use at “Marché des Fétiches” Traditional Medicine Market, Togo. *Nature Conservation*, 39: 45–71
16. D’Cruze N, Bates J., Assou D. P., Ronfot D., Coulthard E., **Segniagbeto G. H.**, Auliya M., Megson D., Rowntree J., van der Gast C.. 2020. A preliminary assessment of Bacteria in ranched Ball pythons, Togo, West Africa, *Nature Conservation*, 39: 73–86.
17. Petrozzi F., Hema E. M., Sirima D., **Segniagbeto G. H.**, Akani G. C., Eniang E. A., Dendi D., Fa J. E., Luiselli L. 2020. Tortoise ecology in the West African savannah: Multi-scale habitat selection

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G. Thèses

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2. **Segniagbeto, H.**, **2004**. *Les formations végétales de bord de mer : sites de nidification des tortues marines au Togo*, DEA, Fac. Sci., Univ. Lomé, 51 p.

PROPUESTA DE NOMBRAMIENTO DE VANESA TOSSENBERGER COMO
CONSEJERA DESIGNADA POR LA COP - MAMÍFEROS ACUÁTICOS
(presentada por el Gobierno de Argentina)



República Argentina - Poder Ejecutivo
Nacional 1983/2023 - 40 AÑOS DE
DEMOCRACIA

Informe

Número:

Referencia: NOMINACIÓN DE CANDIDATOS PARA CONSEJEROS DESIGNADOS POR LA COP DE CMS PARA ÁREAS TEMÁTICAS DE MAMÍFEROS ACUÁTICOS

**NOMINACIÓN DE CANDIDATOS PARA CONSEJEROS DESIGNADOS POR LA
COP DE CMS
PARA ÁREAS TEMÁTICAS DE MAMÍFEROS ACUÁTICOS**

Justificación de la Candidatura

A través de la Notificación 2022/23, la Secretaría de la CMS, busca candidatos adecuados para las nuevas áreas temáticas de los Consejeros designados por la COP para Mamíferos Acuáticos y Cambio Climático.

Desde esta Secretaría de Política Ambiental en Recursos Naturales, propone, como candidata para Consejeros designados por la COP para el área temática de mamíferos acuáticos, a la Lic. en Ciencias Biológicas Vanesa Patricia Tossenberger, Vicepresidente de la Fundación Cethus, Directora de Políticas Internacionales de Whale and Dolphin Conservation (WDC) y Autoridad Científica CITES de Argentina.

Vanesa Tossenberger, ocupa el cargo de Vicepresidente de la Fundación CETHUS desde 2016 y además es actualmente Directora de Políticas Internacionales de Whale and Dolphin Conservation. Anteriormente ocupó en esta última organización, los cargos de Investigador Asociado, Director Ejecutivo para América Latina y leader del Programa de Caza y Comercio de Ballenas.

La candidata propuesta, tiene una amplia experiencia en la conducción de equipos de trabajo, desarrollo y dirección de estrategias para la protección y conservación de especies, sólido historial de desarrollo de redes de trabajo y comunicación con diversas partes interesadas, investigación científica y elaboración de herramientas de gestión, declaraciones de posición, informes, presentaciones gubernamentales y artículos científicos.

Por otro lado, también posee un amplio conocimiento de la Convención sobre el Comercio Internacional de Especies Amenazadas de Flora y Fauna Silvestre (CITES), Comisión Ballenera Internacional (CBI) y Convención sobre la Conservación de las Especies Migratorias de Animales Silvestres (CMS).

Por todo lo mencionado en los párrafos anteriores, se considera que la Lic. Vanesa Tossenberger, reúne las condiciones de idoneidad necesarias para ser presentada como candidata en la selección de Consejeros designados por la COP para el área temática de mamíferos acuáticos de CMS.

Vanesa Tossenberger

Potosí 2087, Olivos, Provincia de Buenos Aires,
(1636), Argentina

Celular: +5491165124810 E-mail:

vanesa.tossenberger@gmail.com

Sería un honor aceptar este cargo de Consejero de la COP de CMS en Mamíferos Acuáticos. De ser elegida aceptaré con responsabilidad y trataré de cumplimentar todo el trabajo que se me otorgue.

Trabajo con mamíferos marinos desde 1992, especialmente con la tonina overa (*Cephalorhynchus commersonii*). He asistido a conferencias, congresos y talleres nacionales e internacionales relacionados con la conservación de la fauna marina y otras especies terrestres.

Me apasionan los mamíferos marinos, en especial los cetáceos. Mi actividad principal se ha centrado en la gestión para la conservación de estas especies, generando estrategias de conservación colaborando con los principales actores (representantes de gobierno, investigadores, Organizaciones no gubernamentales, por mencionar algunos) y de esta manera generar cambios concretos a nivel local, nacional e internacional.

Cuento con amplia experiencia en la gestión de personal a distancia y en diferentes zonas horarias. Esto me ha permitido garantizar y facilitar reuniones que logren alcanzar los objetivos planteados a pesar de la no presencialidad.

Mis diversos conocimientos y experiencias en bienestar animal, política y ciencia me ayudan a forjar relaciones constructivas con una gran variedad de partes interesadas, claves para alcanzar los objetivos planteados.

También, creo firmemente que para lograr un buen plan de conservación es necesario tener en cuenta la ciencia, la legislación y la aplicación de los acuerdos internacionales alcanzados y fundamentalmente generar diálogos sinceros con todas las partes involucradas.

Gracias a mi experiencia estratégica, me siento cómodo supervisando la ejecución de proyectos complejos. Mi experiencia, junto con mi larga carrera como científica y en el sector de ONG como así también como asesora del gobierno Argentino, me ha proporcionado las aptitudes y conocimientos personales y profesionales que me convierten en un candidato muy competitivo para este puesto.

En conclusión, he podido aplicar mis amplios conocimientos sobre los hábitats acuáticos y la biodiversidad que viven en ellos para transmitir los importantes problemas de bienestar y la preocupación por la destrucción del medio ambiente con el fin de influir en la política local, nacional e internacional.

A handwritten signature in red ink, reading "Tossenberger". The signature is written in a cursive style with a large, sweeping initial 'T' and a long horizontal stroke extending to the left.

Vanesa Tossenberger



República Argentina - Poder Ejecutivo Nacional
1983/2023 - 40 AÑOS DE DEMOCRACIA

Hoja Adicional de Firmas
Informe gráfico

Número:

Referencia: Carta de intención - Vanesa Tossenberger

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Vanesa Patricia Tossenberger

EXPERIENCIA Y HABILIDADES

- Amplia experiencia en la gestión de diversos equipos que trabajan a distancia y en múltiples lugares.
- Hábil en el desarrollo y la dirección de estrategias departamentales destinadas a mejorar sustancialmente la protección de las especies.
- Sólido historial de desarrollo de redes de trabajo y comunicación con diversas partes interesadas.
- Competente en investigación y redacción de políticas, declaraciones de posición, informes, presentaciones gubernamentales y artículos científicos.
- Amplio conocimiento de la Convención sobre el Comercio Internacional de Especies Amenazadas de Flora y Fauna Silvestre (CITES), Comisión Ballenera Internacional (CBI) y Convención sobre la Conservación de las Especies Migratorias de Animales Silvestres (CMS).
- Experiencia en la redacción y el análisis de legislación, reglamentos, así como en la obtención de apoyo de gobiernos, instituciones internacionales, empresas, financiadores, organismos externos y la sociedad civil.
- Amplia experiencia en el desarrollo y dirección de campañas internacionales y nacionales destinadas a la protección de especies y su medio ambiente.
- Excelente enfoque para la resolución de problemas, desarrollando las mejores prácticas para lograr los resultados.
- Presentadora hábil y segura, con gran capacidad para adaptar mensajes complejos a públicos variados y para hablar con los medios de comunicación.
- Habilidad de gestión de proyectos, con capacidad de adaptación a las cambiantes demandas.
- Capacidad de organización y gestión del tiempo.

EMPLEOS RELEVANTES

1993-presente	Fundación Cethus Vicepresidente desde 2016.
2013– presente	WDC Directora de Políticas Internacionales
2011-presente.	WDC Whaling & Trade program lead
2002- 2013	Director ejecutivo para Latino América de WDC
1995 – 2002.	WDC investigador asociado

Convenciones Internacionales

2002- presente	CITES. Asesora científica de la delegación argentina desde 2007 hasta la actualidad. Desde 2021 Autoridad Científica de Argentina
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- 2002- presente** **CMS.** Asesora científica de la delegación argentina desde 2014.
- 2000- presente** **CBI.** Observadora.
- 2021- presente** **UNFCCC,** Comisión de Naciones Unidas para el Cambio Climático. Observador.
- 2022- presente** **CBD.** Asesora científica de la delegación Argentina.

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- 2022- presente** UNOC (Conferencia de las Naciones Unidas de los Océanos). Observadora

EDUCACION

- Licenciada en Ciencias Biológicas, Universidad de Buenos Aires.
- Técnica en Química. Escuela de Hölters.
- Marinera de la Marina Mercante. Escuela de la Marina Mercante, Prefectura San Julián.
- Idiomas

	Condición	Escribe	Lee	Habla-Entiende
Español	Fluido	Si	Si	Si
Ingles	Fluido	Si	Si	Si
Alemán	Fluido	Si	Si	Si
Portugués	Medio	no	Si	medio

Publicaciones Científicas mas relevantes

- Iñiguez, M.A. and Tossenberger, V. 2003. Swim or dive with cetacean in Latin America. *Submitted to the International Whaling Commission* . SC/55/WW9. 4pp.
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