



Mainstreaming biodiversity into the renewable energy sector



Violeta Barrios¹, Giulia Carbone²

¹ IUCN Centre for Mediterranean Cooperation

² IUCN Business and Biodiversity Programme

CMS Energy Task Force meeting – Paris, 20 Sept 2019

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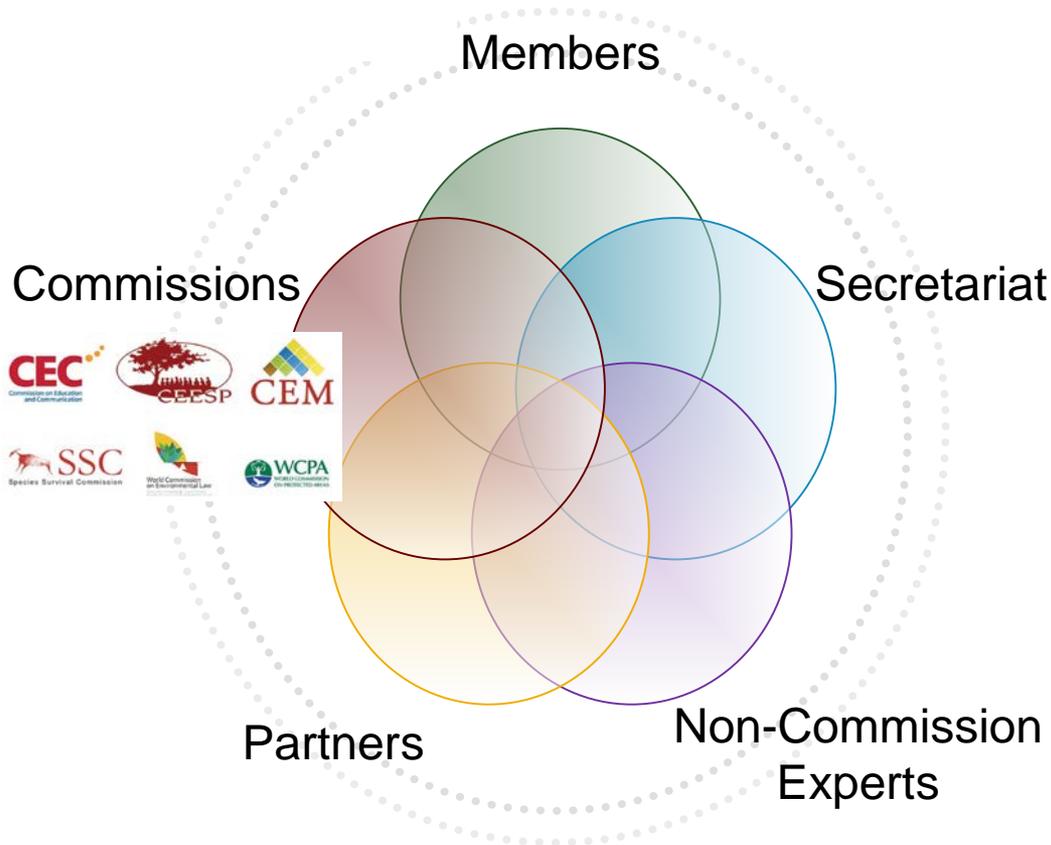
#EnRDurables

Colloque "Les énergies durables"

20/09/2019



Our vision: *A just world that values and conserves nature*



Created in 1948

>1,300 member organizations
(States, Government agencies,
NGOs, IPOs) from >170 countries

>1,000 staff (*including Regional &
Country Offices*)

16,000 Commission members
(scientists and experts)

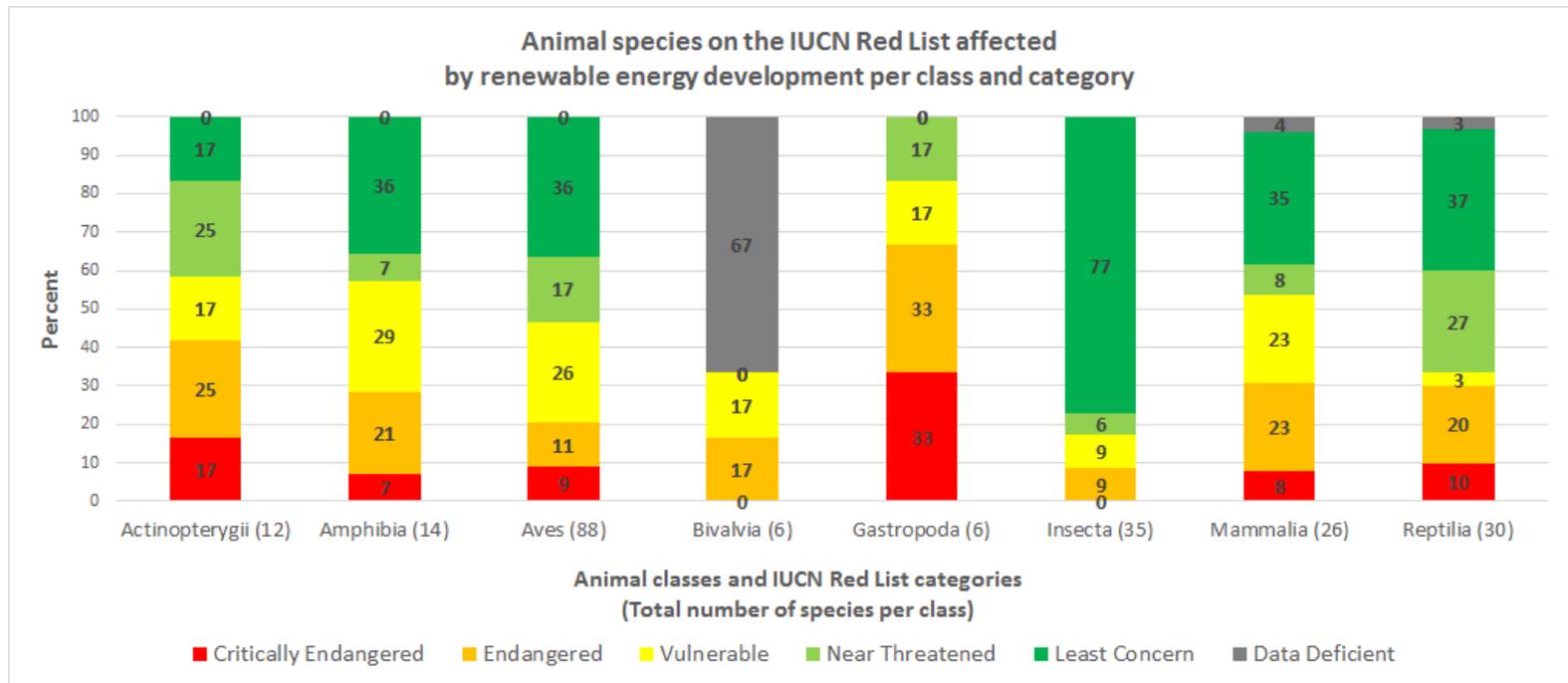
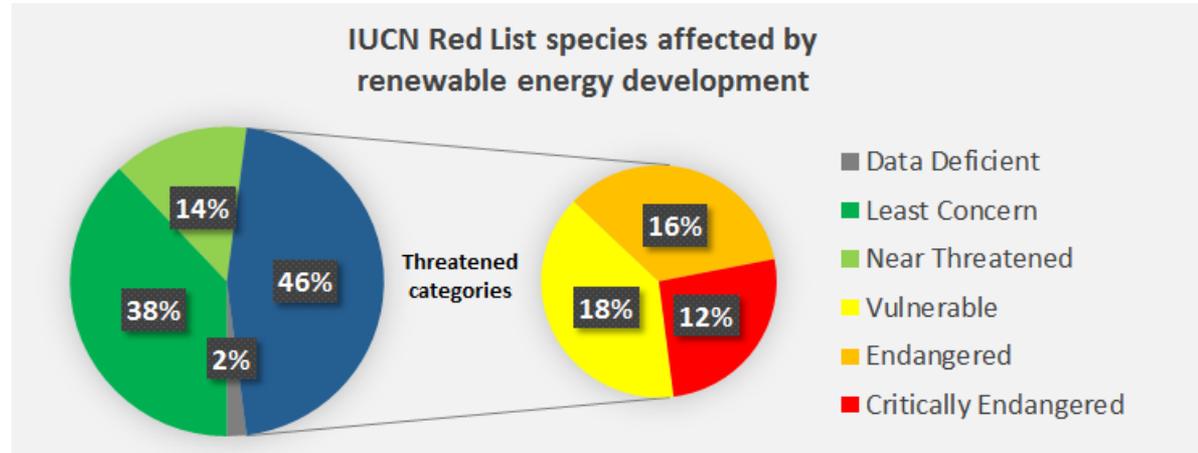
~5,000 representatives from partner
organizations

Many experts that are not
Commission members

Official observer to the UN
General Assembly



284 species,
(227 animals,
66 plants,
1 fungus)



Mitigating impacts on biodiversity associated to renewable energy projects (solar, onshore and offshore wind)

Establish what are today's best available measures to mitigate impacts on biodiversity associated with solar and wind power (on-shore and off-shore) projects, along the entire life cycle of a project at the project and landscape level.

→ Designed and managed by IUCN Business and Biodiversity Programme

Multi-stakeholder process involving:

Wider IUCN family: WCPA, CEM, Comité français, EURO, Med

NGOs: BirdLife Int., FFI, TNC and WCS

REN21 and Bangor University

The Biodiversity Consultancy

Industry contributors: EDF, EDP and Shell New Energies



Mitigating impacts on biodiversity associated to renewable energy projects (solar, onshore and offshore wind)

Key outputs

1. Biodiversity Risk Screening framework
2. Sectoral guidelines for the implementation of the mitigation hierarchy for solar and wind projects
3. Regulatory and financial safeguard recommendations
4. Research agenda
5. Dissemination strategy and plans for a (potential) phase 2

Sneak preview at the IUCN World Conservation Congress 2020

Launch at CBD COP-15

Open to discuss opportunities for additional contributions! → giulia.carbone@iucn.org



Transboundary conservation of threatened raptors in Western Mediterranean

- Improve **knowledge** on the risk of energy sector infrastructures for birds & on the magnitude of the problem
- Build **capacities** of government agency staff, NGOs, utilities
- Develop and implement **monitoring** protocols
- Assess effectiveness of mitigation measures for different types of energy infrastructures





National/regional authorities of Spain, Morocco, Tunisia



Energy sector



NGOs



Safe flyways

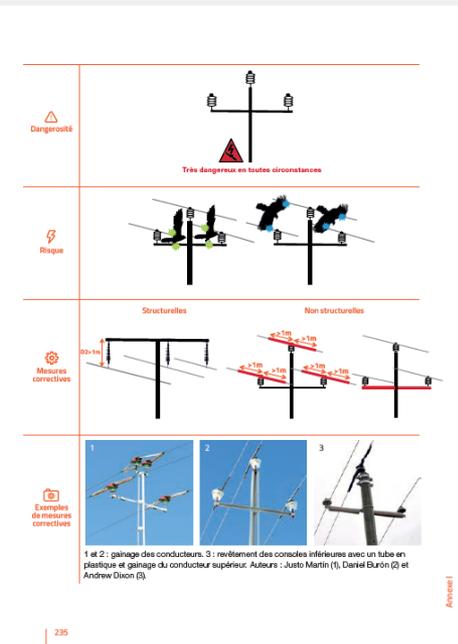


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Contents

- Collision
- Electrocution
- Vulnerable species
- Identification of mortality causes
- Assessing mortality rate
- Mitigation measures (anti-collision, anti-electrocution) + effectiveness
- Detailed guidance on power pole types
- Recommendations for new lines

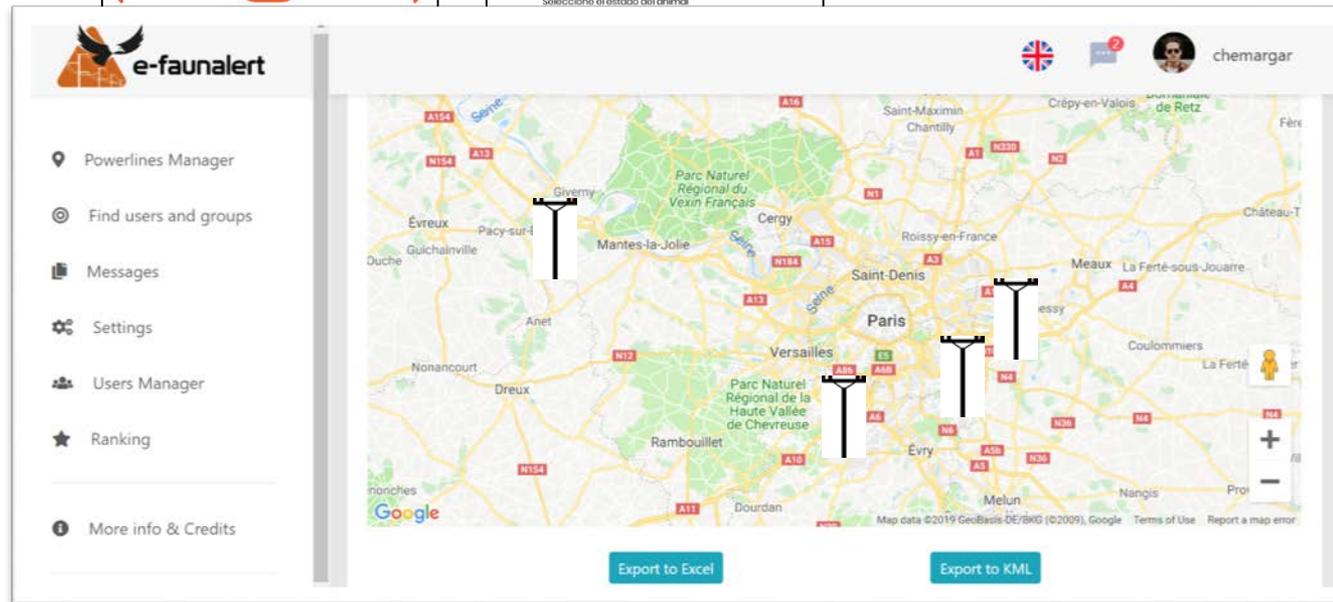


Guidelines for identification and correction of dangerous powerlines for birds – North Africa – in press





Monitoring



COMING SOON



MERCI!



violeta.barrios@iucn.org
giulia.carbone@iucn.org

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UNIÓN INTERNACIONAL PARA LA CONSERVACIÓN DE LA NATURALEZA