Mainstreaming biodiversity into the renewable energy sector

Violeta Barrios¹, Giulia Carbone²
¹ IUCN Centre for Mediterranean Cooperation
² IUCN Business and Biodiversity Programme
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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

www.iucn.org
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
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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
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 transmission lines
Monitoring potentially dangerous powerlines for wildlife conservation
MERCI!

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