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Energy and Migratory Species

CMS COP12 Regional Preparatory Workshop for Asia

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Energy and Migratory Species

- Adequate and stable energy supply is of vital importance for society. Renewable energy sources can significantly contribute to achieving this.
- **However**, infrastructure for the deployment and distribution of energy can have a significant impact on migratory species.



Examples of impacts

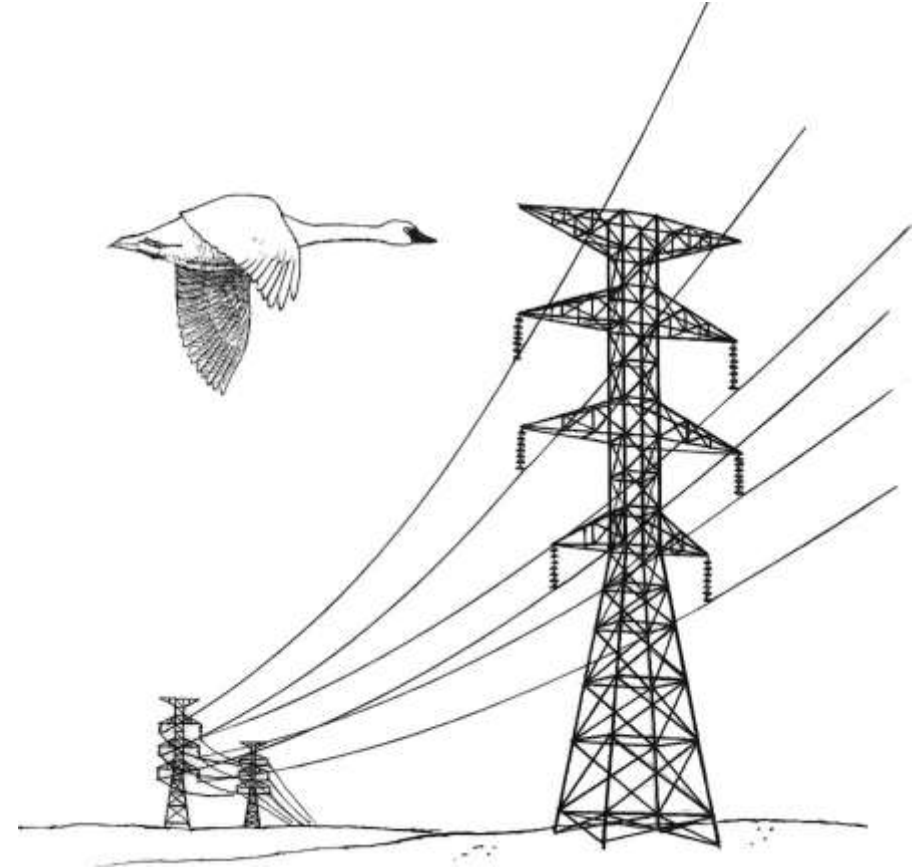
- collisions with wind turbines and aboveground power lines (birds and bats)
- underwater noise and electromagnetic field disturbance (aquatic mammals)
- in-stream barriers to migration of aquatic species
- mortality of migrating aquatic species (fish) due to operating hydropower-station turbines
- disturbance due to noise, light and thermal disturbance
- habitat loss, degradation and fragmentation

Therefore, impact assessments should be carried out and mitigation measures should be put in place to minimize impacts of renewable energy developments on migratory species



Main CMS resolutions on energy and migratory species

- COP10 - **Resolution 10.11** 'Power Lines and Migratory Birds'
- COP11 - **Resolution 11.27** 'Renewable Energy and Migratory Species'
 - endorsed the document 'Renewable Energy Technologies and Migratory Species: Guidelines for Sustainable Deployment'
 - instructed to create a multi-stakeholder Energy Task Force



Guidelines for Renewable Energy Technologies and Migratory Species

Main points:

- Application of appropriate Strategic Environment Assessment (SEA) and EIA procedures, when planning the use of renewable energy technologies;
- Survey and monitoring both before and after deployment of renewable energy technologies to identify impacts on migratory species and their habitats;
- Cumulative impact studies to describe and understand impacts at larger scale, e.g., at flyways scale.



Energy Task Force

- A multi-stakeholder Task Force on Reconciling Selected Energy Sector Developments with Migratory Species Conservation (the Energy Task Force) was established after the Resolution 11.27.
 - African-Eurasian geographic scope;
 - taxonomic scope on migratory birds;
 - focus on power lines, hydro, wind and solar energy technologies
- First meeting in Cape Town, South Africa, 1-2 December 2016.
 - development and adoption of a Work Plan for the Energy Task Force for 2017-2018
- The CMS Secretariat will report progress on behalf of the Task Force to the COP12.



Thank you for your attention!

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