

Wetlands status and trends in the Mediterranean region



The Mediterranean Wetlands Observatory



Ultimate goal

Influence decision makers towards better protection and management of Mediterranean wetlands.



Two operational objectives

- **To analyse the status and trends** of Mediterranean wetlands, including their biodiversity, the goods and services that they deliver and the environmental factors, pressures and responses that explain their status and trends,
- **To promote effective decision-making for the protection, restoration and wise use** of Mediterranean wetlands in the framework of sustainable development.



A parsimonious set of 25 Indicators



<p>STATE</p> <ul style="list-style-type: none"> • Trends in abundance of species, including the Living Planet Index • Community Temperature Index • Community Specialization Index • River flow • Water quality • Mediterranean wetlands surface area • Inundation extent in the wetlands 	<p>IMPACTS</p> <ul style="list-style-type: none"> • Role of wetlands in water supply • Role of wetlands in flow regulation (flood and drought) • Wetlands & recreational and educational services • Role of wetlands in water purification
<p>DRIVERS</p> <ul style="list-style-type: none"> • Policy, governance and socio-economic macro indicators 	<p>RESPONSES</p> <ul style="list-style-type: none"> • Protected wetlands • Integration of environmental in local development planning • Level of implementation of integrated Water Resource Management • Effectiveness of the management in the Ramsar sites • Level of implementation of Integrated Coastal Zone Management • Development of a national strategy for wetlands • Integration of wetlands in national strategy of sustainable development • Integration of wetlands in water national management plans • SDG/EU environmental implementation towards wetlands related targets
<p>PRESSURES</p> <ul style="list-style-type: none"> • Exploitation index of renewable water resources • Water demand per sector • Land conversion to agriculture and urbanization in/around the main wetlands • Overexploitation of underground water in oases/salinisation 	

MWO: communication and transfer strategy



- **Credibility:** peer-review publications, inserted in academic consortium
- **Influential:** search for clues, solutions
- **Influential:** connected to the CBD, AEWA, Barcelona convention ...
- **Complementary:** the MedWet Secretariat / Ramsar support transfer and policy work
- **Communication tools:** diversified



Strategy and activities 2017 – 2018 (1/2)



Update of the Mediterranean wetland outlook (RAMSAR COP 13 Dubai)

- **2017:** scientific work on the indicators (data gathering and processing)
- **2018:** communication activities (scientific papers, leaflets, indicators sheets updated (18), cartoon, ...)

Cross -analyses and data base

- Monitoring and reporting on the state and trends of Mediterranean wetlands is a multidisciplinary challenge.
- Launching a database, projects and collaborations

Scientific validation of indicators & results

- Inclusion of our results in international reports: e.g. IPBES, require publication.
- Credibility of our work
- Inclusion of Mediterranean wetlands in global publications



Strategy and activities 2017 – 2018 (2/2)



Establish more synergistic relationships with MedWet

- Transfer and policy
- Better explain our work
- MedWet Scientific and Technical Network

Funding (270 K€; 55%)

- 2 on-going H2020 projects on ecosystem services
- CEPF on supporting civil society in North-Africa
- Ministry Environment (MEEM) (land-use indicators + indicator Factsheets for MWO2)
- Fondation prince Albert2 Monaco (Biodiversity and cultural services)
- Fondation Total (biodiversity indicators)

Publications 2017



Papers in international scientific journals: 10

Book chapters: 3 (Ecosystem services, IPBES)

Technical reports: 6

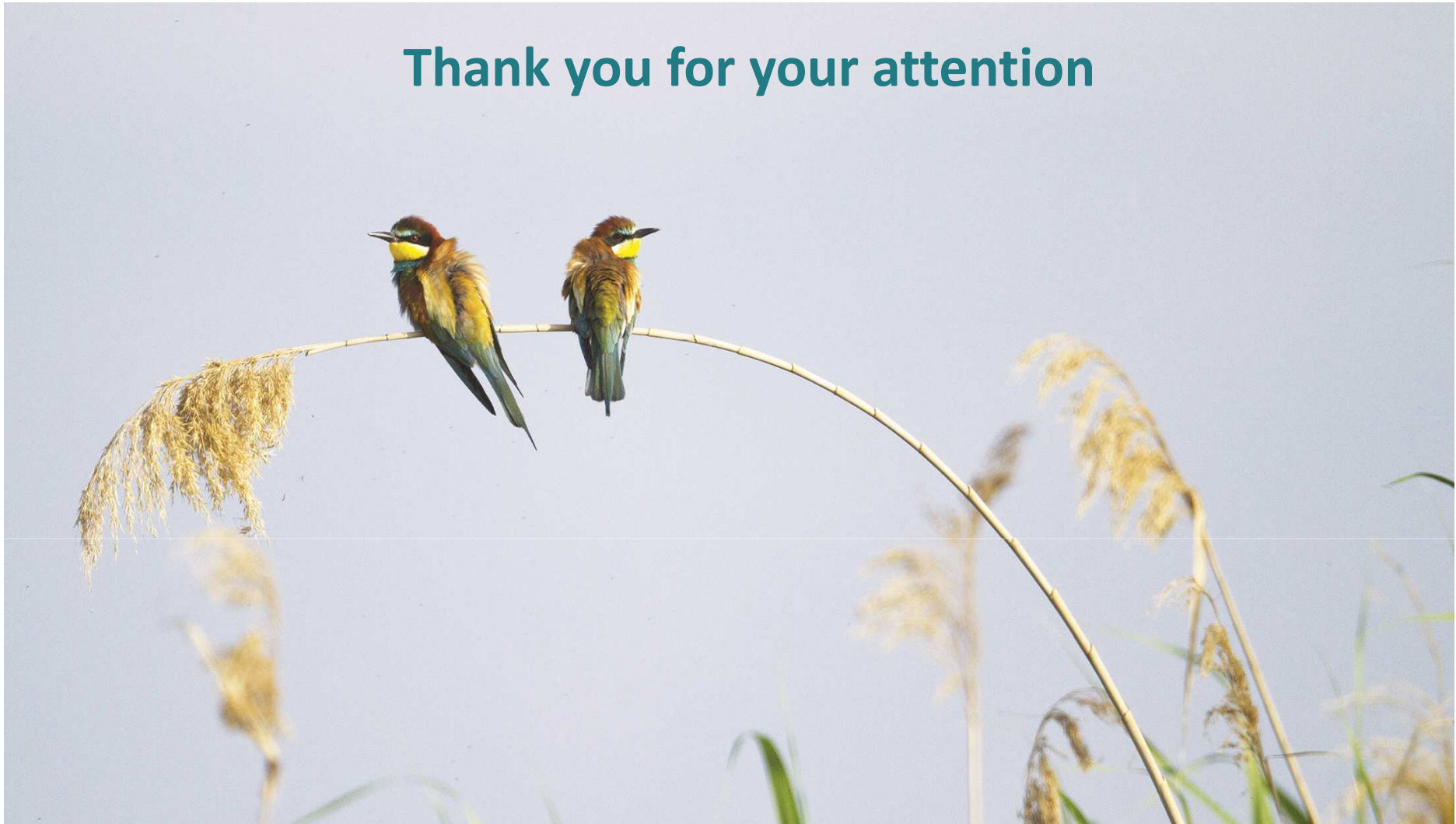
Communication:

4 documents

2 oral communications / webinars

Training: Algeria (2), Tunis (1), IAM (2), Dubai (1)

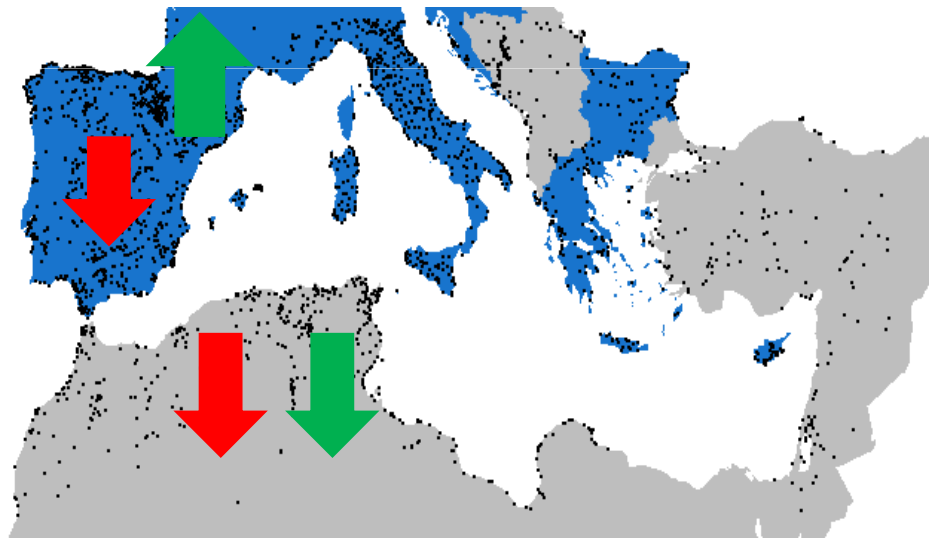
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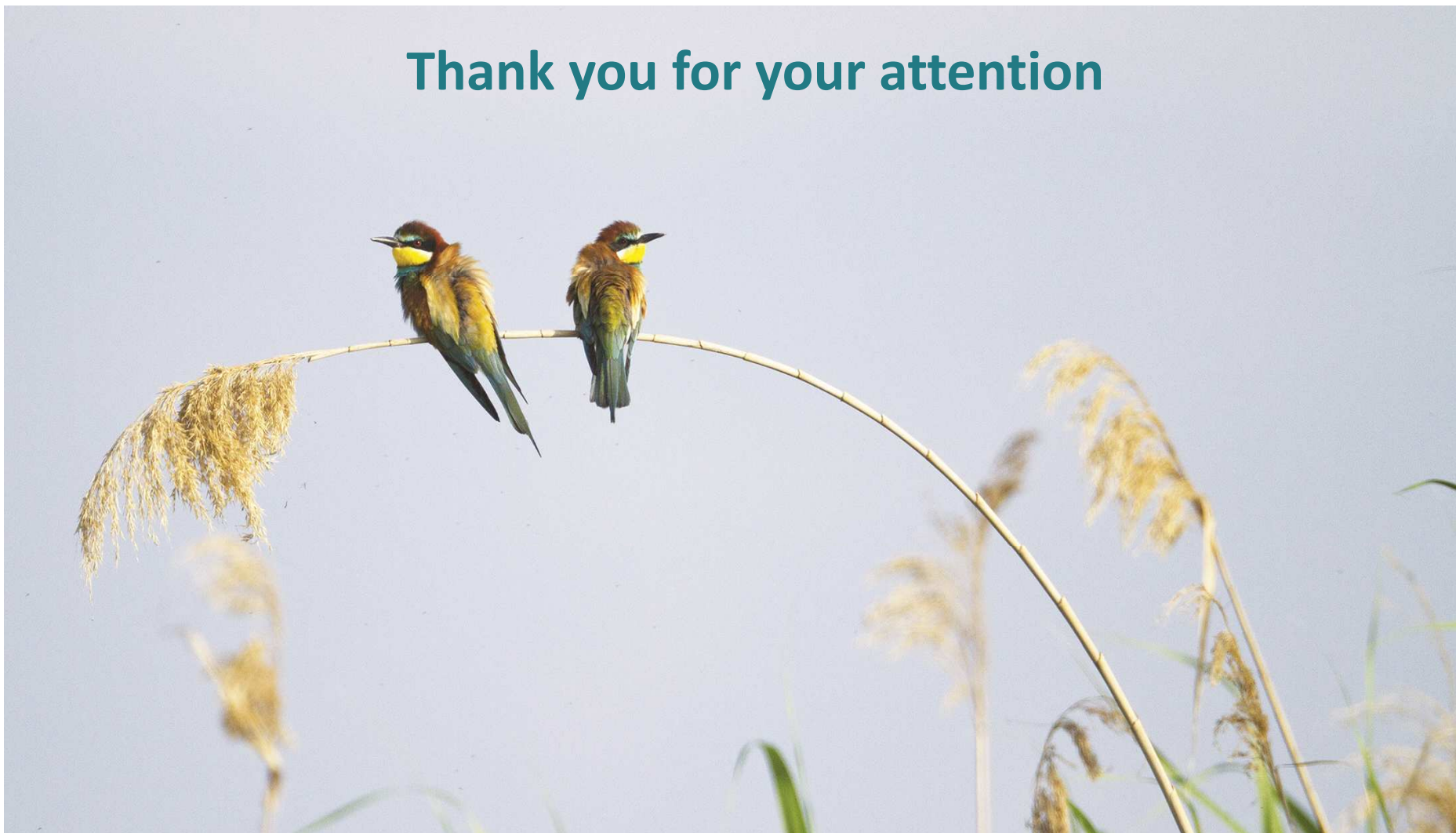
Birds Directive

- In EU:
 - **Strictly protected species** adjust their distribution to temperature increase
 - **Not strictly protected species** don't adjust their distribution to temperature increase
- Out EU:
 - Both **strictly** and **not strictly protected species** don't adjust their distribution to temperature increase



-  Strictly protected species
-  Hunted or not Strictly protected species
-  Range shift (1990-2010)

Thank you for your attention



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