Wetlands, Biodiversity and Climate Change

United Nations Convention on Biological Diversity

CBD

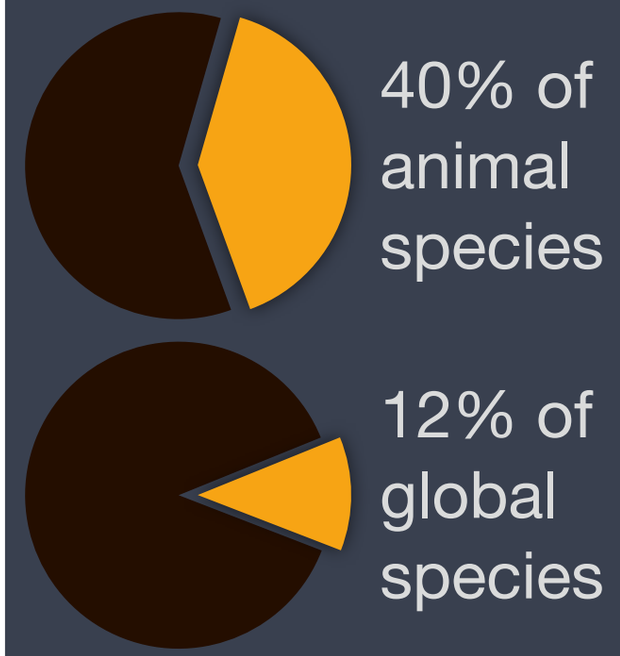
Achieving the
2 0 1 0
Biodiversity
Target

Wetlands:

Areas of marsh, fen, peatland or water, including areas of marine water the depth of which at low tide does not exceed 6 meters

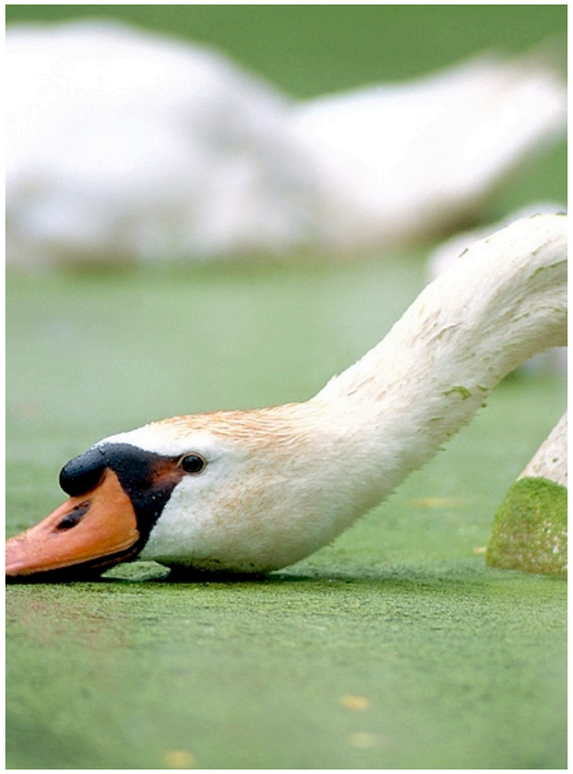
- Economic value up to $15 trillion
- Store more carbon than the world's forest
- GHG reduction investments are cost effective
- Degradation is a major source of GHGs

A rich source of Biodiversity



Some ecosystem services provided by wetlands

- Sustaining water supplies
- Nutrient recycling
- Regulating climate – including GHG flux
- Protection from extreme weather events (drought, floods and storm surges)



Threats to wetlands from climate change

Temperature Increase	Increased water temperature
Increase In Extreme Weather	Ecosystem Destruction
Precipitation Changes	Change in Hydrology
Sea Level Rise	Salt Water Intrusion / Flooding
Inappropriate adaptation responses	Sub-optimal use of wetland services

Loss Of:

- biodiversity
- wetland functions
- livelihoods
- food sources

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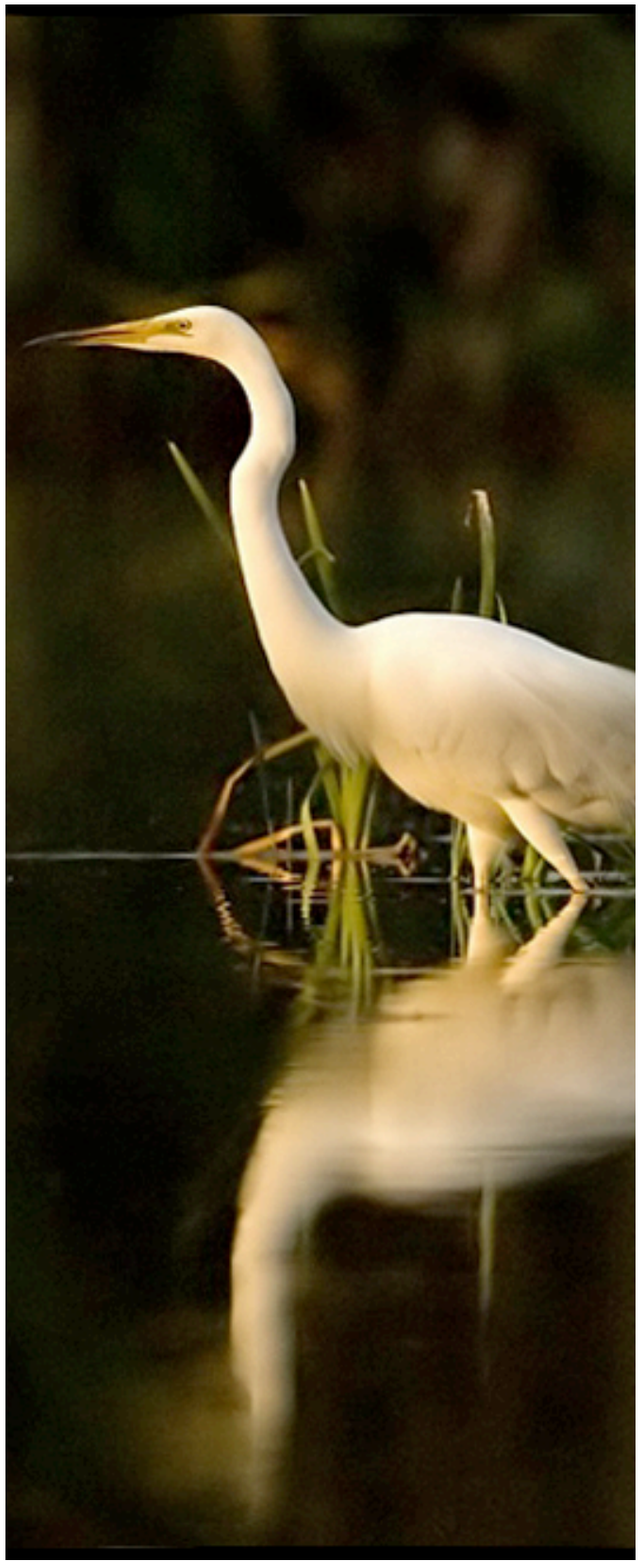
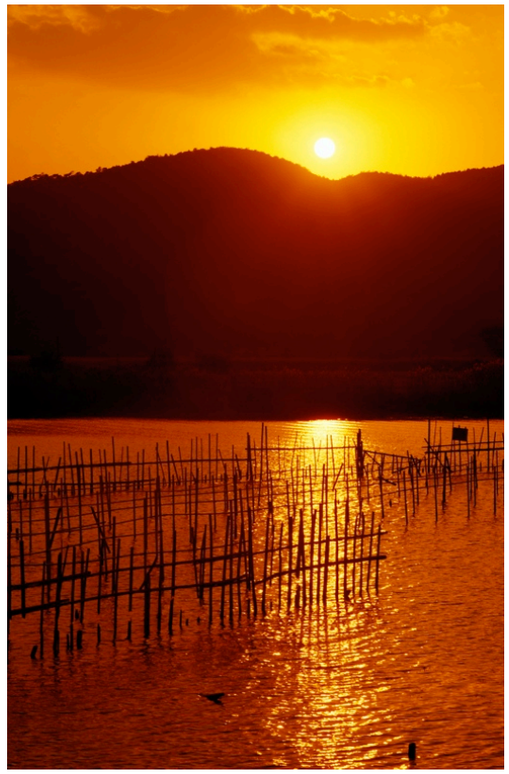
Inland Waters Programme of Work

- consider climate change impacts on the sustainability of inland water ecosystems
- introduce adaptive management and mitigation strategies
- provide advice on adaptive management and mitigation strategies
- assess the links between inland water ecosystems and climate change

Cross-cutting Issue on Biodiversity and Climate Change

- calls for additional work on opportunities to support the conservation and sustainable use of the biodiversity of wetlands including tropical forested peatlands
- welcomes the Global Assessment on Peatlands, Biodiversity and Climate Change





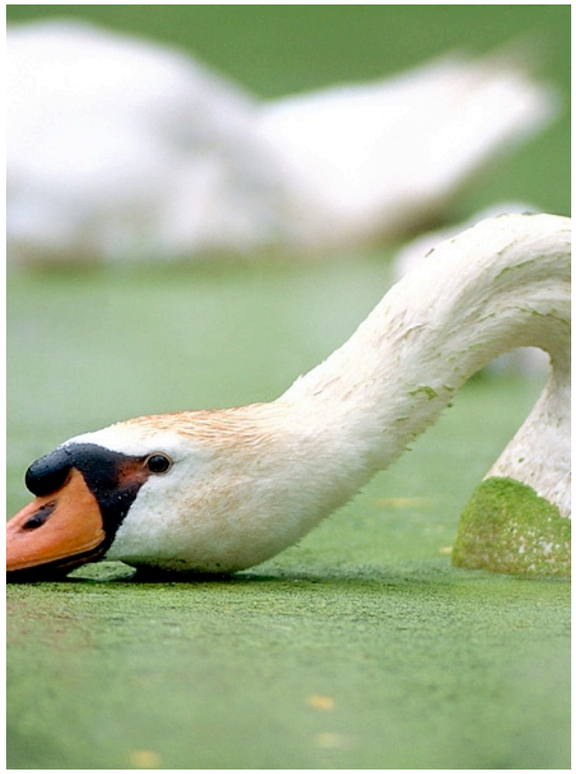
Key Messages

We know... ✓

- We know what the problem is
- We know what to do
- We know how to do it

But... ✗

- Key audiences don't know this
- We need to build awareness of how wetlands biodiversity is relevant across sectors



We need to work with wetlands as our ally in order to respond appropriately to climate change