Biodiversity and Climate Change Adaptation

United Nation Convention on Biological Diversity



UNFCCC Objective

to achieve...stabilization of greenhouse gas concentrations in the atmosphere at a level that would prevent dangerous anthropogenic interference with the climate system. Such a level should be achieved within a time-frame sufficient to allow ecosystems to adapt naturally to climate change...

The Impacts of Climate Change on Species



International Policy on Climate Change Adaptation and Biodiversity







Convention on Migratory Species

Convention on Biological Diversity

Ramsar Convention on Wetlands

Resolution VIII.3 recognizes the potentially important role of wetlands in adapting and mitigating climate change



Convention on Migratory Species of Wild Animals

Resolution 8.13 – Climate change and Migratory Species



Convention on Biological Diversity

- Cross-cutting issue on biodiversity and climate change (VII/15 and VIII/30)
 - Climate change considerations in the programmes of work of the Convention (COP-5 to COP-8)



Contribution of Biodiversity to Climate Change Adaptation

- providing a 'safety net' for genetic resources,
- providing protection (bio-shields) against the negative impacts of climate change such as floods, coastal erosion, etc.
- contributing to biodiversity-based livelihoods

A € 1 investment in wetland management in the Danube basin yields € 2.5 - € 4.2 in benefits from flood protection



In Malaysia, the value of mangroves for coastal protection is estimated at US\$300,000 /km



Following the degradation of a reef in the Maldives, the cost of installing artificial breakwaters was US\$10 million/ km

