



Convention on  
Biological Diversity

# Ecosystem-based approaches to climate change adaptation and disaster risk reduction

Secretariat of the Convention on Biological Diversity

NAP Expo 2016

11 July 2016

# Programme



14:00-14:05	Introduction	Annie Cung, CBD Secretariat
14:05-14:35	1. Overview of the synthesis report on experiences with ecosystem-based approaches to climate change adaptation and disaster risk reduction	Veronica Lo, CBD Secretariat
14:35-14:50	2. Country experiences with ecosystem-based approaches to climate change adaptation and disaster risk reduction - United Kingdom	Mike Morecroft, Natural England, UK
14:50-15:05	2. Country experiences with ecosystem-based approaches to climate change adaptation and disaster risk reduction - Uganda	Semambo Muhammad, Ministry of Water and Environment, Uganda
15:05-15:15	2. Opportunity for other countries to share experiences	Discussion
15:15-15:30	3. Tools for mainstreaming EbA and Eco-DRR into national adaptation plans and other plans and strategies - FAO's work on climate change adaptation and Voluntary guidelines to support the integration of genetic diversity into national climate change adaptation planning	Anna Asfaw, FAO
15:30-16:00	Tea break	
16:00-16:10	3. Tools for mainstreaming EbA and Eco-DRR into national adaptation plans and other plans and strategies - Other tools	CBD Secretariat
16:10-16:35	4. Identification of gaps and needs to increase the use of EbA as an important element in overall adaptation strategies	Group discussion
16:35-17:25	5. Identification of entry points and opportunities for integrating EbA - Who are the main actors to involve? - What other sectors/ministries should be involved? - How to make use of existing mechanisms/funding?	Group exercise
17:25-17:30	Conclusion	Annie Cung, CBD Secretariat

# Tools for mainstreaming EbA and Eco-DRR into national adaptation plans and other plans and strategies

- **UNEP:** EBA Decision Support Framework: *Ecosystem-based Adaptation Guidance, Moving from Principles to Practice*
- **WWF:** Operational Framework for Ecosystem-based Adaptation: *Implementing and Mainstreaming Ecosystem-based Adaptation Responses in the Greater Mekong Sub-Region*

*Available on NAP Central webpage as supplementary material:*

- **CBD:** Promoting synergies in addressing biodiversity and climate change adaptation issues: *linking national adaptation plans and national biodiversity strategies and action plans*
- **CI and IUCN:** Tool for integration of ecosystems into climate change adaptation planning processes

# Increasing the use of ecosystem-based approaches in overall adaptation strategies

What are the gaps and needs, challenges and barriers?

What are potential solutions to overcome these challenges?

**CASE 1: Maintenance and/or restoration of coastal vegetation** (such as mangroves):



- Protection against storm surges, sea level rise and coastal flooding and erosion
- Potential expansion of fish stocks with the increase in spawning and feeding grounds for fish

**CASE 2: Conservation of agro-biodiversity**



- Provides specific gene pools for crop and livestock adaptation to climatic variability
- Food provision
- Conservation of local and traditional knowledge and practices

**CASE 3: Conservation and restoration of forests and natural vegetation to stabilize mountainside slopes:**



- Regulation of water flows
- Prevention of flash flooding and landslides

**CASE 4: Enhancing green infrastructures in urban areas** (e.g., urban parks, green roofs, tree planting, ponds):



- Improved air quality
- Reduction of heat island effect and associated health impacts
- Tourism and recreation benefits

**Questions:**

- Who are the main actors to involve?
- What other sectors/ministries/institutions should be involved to enhance efficiency?
- How to make use of existing processes/mechanisms/funding?