

Regional Workshop for the Middle East and North Africa on Updating and Revising NBSAPs

Mainstreaming Biodiversity – Global Overview Approaches and Tools

CBD Secretariat 28th August 2012









Linking Climate Change Adaptation into the NBSAP Review Process in the Pacific

Terry Hills 7th August 2012



Linking Climate Change Adaptation into the NBSAP Review Process

Characteristics of most vulnerable SPECIES

High vulnerability context and conditions

- Dependent on other species / ecosystems vulnerable to climate changes
- Threatened / endangered
- Small populations
- Limited geographic range
- Located on remote islands or mountain peaks
- Narrow climatic tolerance
- Highly specialised
- Low competitive capability
- Are exploited for use / already under stress from human use

Characteristics of most vulnerable ECOSYSTEMS

Ecosystem	High vulnerability context and conditions
Mangrove	 No external source of sedimentation; are isolated;
	 Have no capacity to migrate;
	 Already under stress from human disturbance.
Coral reef	 Have narrow climatic, thermal and physiological tolerances;
	 Are situated at the mouth of watersheds (exposure to silt and
	pollution);
	 Are already under stress from human disturbance.
Seagrass	 Located in isolated areas or on submerged banks;
_	 Are already under stress from human disturbance.

Characteristics of most vulnerable

Ecosystem	High vulnerability context and conditions
Coastal	 Exposed to SLR, increased storm activity and storm surge;
	 Are already under stress from human use disturbance.
Montane/	 Limited/no potential to migrate upslope;
cloud	 Are already under stress from human disturbance.
Dryland	 Susceptible to fire and insects as a result of increasing
	summer temperatures and precipitation declines;
	 Are already under stress from human disturbance.
Freshwater	 Close to coastal area (salt water intrusion from SLR);
	 Are already under stress from external disturbances
	(disruption/diversion of flow from dams/irrigation, barriers
	to species movement, or pollution).

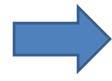
2. What are the options for supporting biodiversity to adapt to climate change?

Options:

A. Addressing climate risk within conservation planning

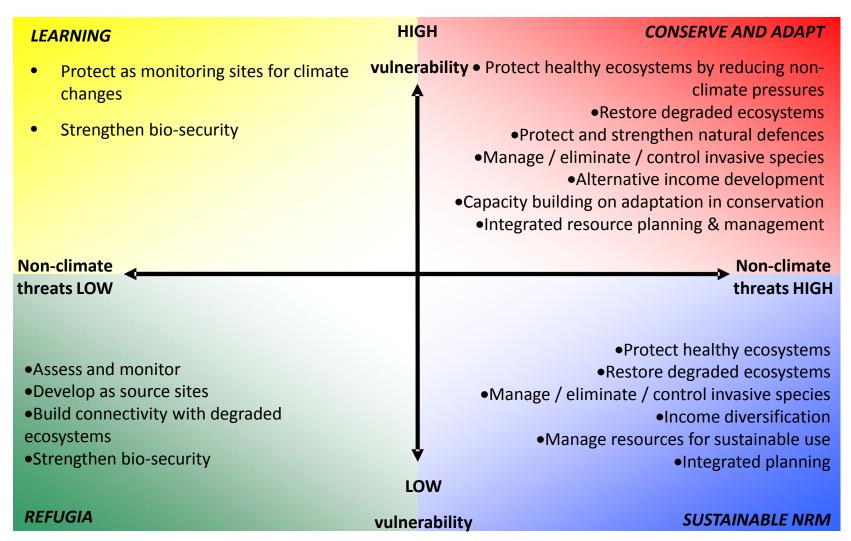


B. Ecosystem-basedApproaches to Adaptation(EbA)



Aichi Target Number 15

Option A: Framework for managing climate risk within biodiversity conservation planning



Option B: What is Ecosystem-based Adaptation(EbA)?

Adaptation that integrates the use of biodiversity and ecosystem services into an overall strategy to help people adapt to the adverse impacts of climate change

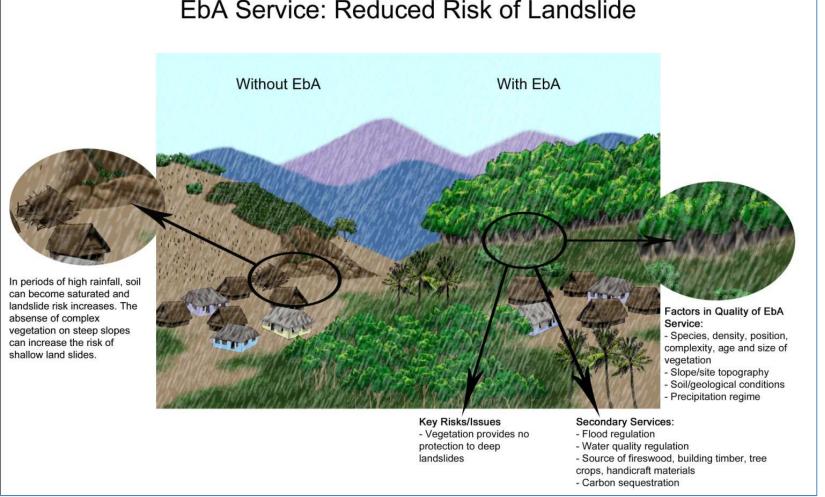
(CBD, 2009)





Option B: An example of EbA





3,4,5 - Linking with Planning Processes

Options:

- A. Addressing climate risk within conservation planning
- B. Ecosystem-basedApproaches to Adaptation(EbA)

Building adaptation into conservation planges Number 10

Building conservation into adaptation planning

Aichi Target Number 15
Building conservation AND
adaptation into development
planning

3,4,5 - Linking with Planning Processes

Options:

- A. Addressing climate risk within conservation planning
- B. Ecosystem-basedApproaches to Adaptation(EbA)

Target Examples:

- By 20??, ecosystems highly vulnerable to climate change have been identified/mapped
- By 20??, baselines of key nonclimate pressures on ecosystems highly vulnerable to climate change have been established
- By 20??, key non-climate pressures on ecosystems highly vulnerable to climate change have been reduced by ?%

3,4,5 - Linking with Planning Processes

Options:

- A. Addressing climate risk within conservation planning
- B. Ecosystem-basedApproaches to Adaptation(EbA)

Target Examples:

- By 20??, ecosystem services that reduce human vulnerability to climate change in location 'x' have been quantified/mapped.
- By 20??, ecosystem services that reduce human vulnerability to climate change in location 'x' have been protected/restored according to approved adaptation plan.

3 - How can countries mainstream climate change considerations into biodiversity planning?

Options:

- Develop/utilise a basic scanning tool and apply to NBSAPs and other planning documents
- Join existing vulnerability assessment exercises and ensure biodiversity considerations are included.
- Undertake a detailed vulnerability assessment on NBSAP (i.e. How does expected climate change undermine the objectives of the NBSAP?)

4 - How can biodiversity conservation, sustainable use and livelihoods be mainstreamed into adaptation planning?

Options:

- Learn about national adaptation planning studies, processes and fora.
- Align objectives particularly relating to ecosystem services.
- Capacity building on EbA for adaptation and conservation practitioners.
- Learn lessons from other countries on multi-jurisdictional efforts.
- Quantification and mapping of ecosystem services.