

Cordula Epple, Climate Change and Biodiversity Programme

02/05/2019

# Why focus on tools and methods for EbA?

Uptake of nature-based solutions to climate change, including EbA, is constrained by a number of barriers:

- 'Young' concept limited experience and evidence
- Lack of awareness and entrenched attitudes / expectations
- Policy, regulatory and funding landscape not suited to particularities of EbA (such as long time horizons, costeffectiveness dependent on multiple benefits, sitespecificity, number of actors and sectors involved)
- Capacity gaps (different disciplines involved)

# Why focus on tools and methods for EbA?

Uptake of nature-based solutions to climate change, including EbA, is constrained by a number of barriers:

#### Improved access to tools and methods can help!

- 'Young' concept limited experience and evidence ✓
- Lack of awareness and entrenched attitudes / expectations ✓
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- Capacity gaps (different disciplines involved) ✓

# EbA Tools and Methods – what can they do for you?

Taking account of ecosystems in vulnerability assessments and adaptation planning

Identifying and selecting adaptation options

**Costs-benefits analysis** 

**Developing an implementation strategy** 

Developing a monitoring and evaluation system

Integrating EbA into existing policies or frameworks

# **HOW TO FIND AVAILABLE TOOLS?**

# **Ecosystem-based Adaptation Tool Navigator**

A searchable database of tools and methods relevant to EbA











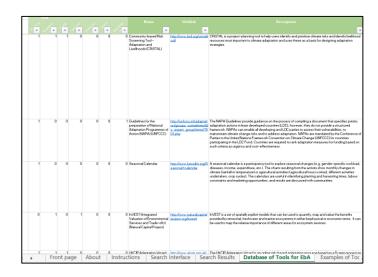
#### What is the EbA tools and methods Navigator?

- Searchable database of existing tools and methods that are relevant to EbA
- Collection of examples of tool applications

#### What is the aim of the Navigator?

- To help planners and practitioners easily find and understand the tools and methods available to support their EbA work
- To understand gaps in the current availability and accessibility of tools and methods





Name	Region	Country and project site of implementation	Target ecosystem	Year(s) of implementati on	Budget	Implementin g institution(s )	Why was the tool/methodol ogy chosen?		
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# **Navigator content**

Number of tools: 240

#### Stages:

- Large number of tools cover most stages of EbA
- Fewest for 'Valuation' and 'Mainstreaming'

#### **Ecosystems coverage:**

- Most tools are general (i.e. applicable to a range of ecosystem types and contexts)
- A few entries in the database are designed for specific ecosystem types (particularly for rangelands & grasslands, mountains, drylands & deserts)

#### Scale:

Most tools are applicable to a range of scales (204 tools applicable at local level)

#### Targeted users:

Project planners / managers: 210 --- Policy makers: 166

#### Languages:

 Mostly English – only 35 tools available in other languages (incl. Spanish, Italian, German, French, Afrikaans, Nepali, Bengali, Mandarin, Arabic, Urdu, Burmese, Thai, Portuguese, etc.)

#### Access:

Most are open access (only 9 restricted)



# **Navigator Search Interface**

SEARCH INTERFACE	·					
This tab allows you	to search the data	base of tools and i	methods by making selec	ctions, based on co	ertain criteria. I	Use the drop down list
one or multiple crite	eria, from the ecos	ystem type you ar	e interested in to the tar	get audience, scal	e, type of reso	urce and language of tl
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Guidance on Integrating
Ecosystem Considerations
into Climate Change
Vulnerability and Impact
Assessment to Inform
Ecosystem-based
Adaptation







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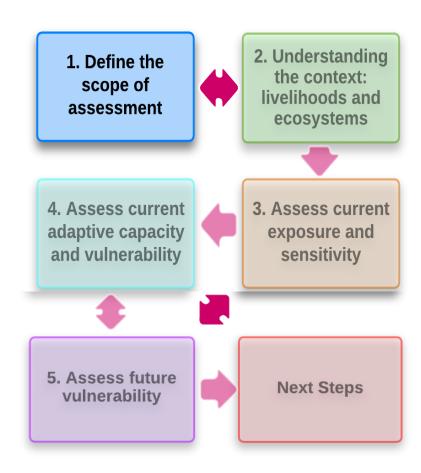
Aim: Provide guidance on how to integrate consideration of ecosystems and ecosystem services into VIAs.

#### **Audience:**

- Climate change practitioners interested in holistic adaptation planning and in EbA
- Policy-makers commissioning VIAs
- Ecosystem-based management practitioners integrating climate change into their initiatives

**Scale:** subnational (e.g. community, watershed or regional level)

# Complementing the steps of a 'conventional' vulnerability assessment









# Coastal EbA options guide



#### On-site conservation and restoration

- Mangrove forests
- Coral reefs
- Seagrass beds
- Sand dunes

#### Area-based planning frameworks

- Marine spatial planning
- Marine Protected Areas

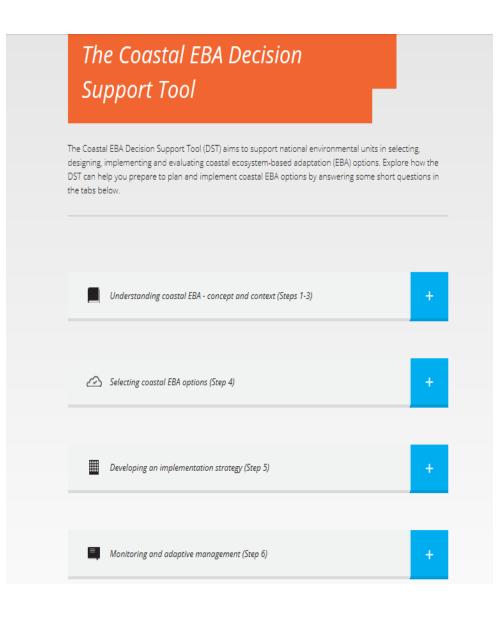
#### Policies and governance

- Sustainable fisheries management
- Livelihood diversification

# **Coastal EbA Decision Support Tool**

# Seven steps for planning and implementing EbA:

- Understanding EBA
- 2. Understanding the planning context
- 3. Understanding the adaptation context
  - Understanding climate change hazards
  - b. Understanding vulnerability
  - C. Identifying EBA options
- 4. Selecting adaptation options
- 5. Developing an implementation strategy
- 6. Monitoring and adaptive management
- 7. Capacity building and mainstreaming



# **Monitoring and Evaluation for EbA**

Learning Brief: GIZ (2017). Monitoring and evaluation – how to measure successes of Ecosystem-based Adaptation



### **Under development...**

# **Guidebook for Monitoring & Evaluation for EbA**

Aim: Provide an overview of the process needed for designing and delivering effective monitoring and evaluation for EbA interventions

Audience: Practitioners and planners who design and implement EbA interventions and who are interested in assessing and understanding the results of their interventions in relation to helping people adapt to climate change

# **Conclusion**

- Nature-based solutions can have great value for national adaptation planning
- They are still under-utilized, in part due to limited awareness and access to information

However, a significant and growing body of tools

and information materials is available and waiting to be used!



# **QUESTIONS?**

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#### Resources available at:

Pilot EbA Tool Navigator: <a href="https://www.iied.org/help-pilot-navigator-tools-for-ecosystem-based-adaptation">https://www.iied.org/help-pilot-navigator-tools-for-ecosystem-based-adaptation</a>

Mountain EbA Project outputs, including VIA Guidance: Resilience and Adaptation Planning: <a href="http://www.adaptation-undp.org/projects/mountain-eba">http://www.adaptation-undp.org/projects/mountain-eba</a>

Coastal EbA Options Guide: <a href="https://web.unep.org/coastal-eba/coastal-EBA-DST">https://web.unep.org/coastal-eba/coastal-EBA-DST</a>