
Using ecosystem services to help people adapt

Perceptions and cases of ecosystem-based adaptation

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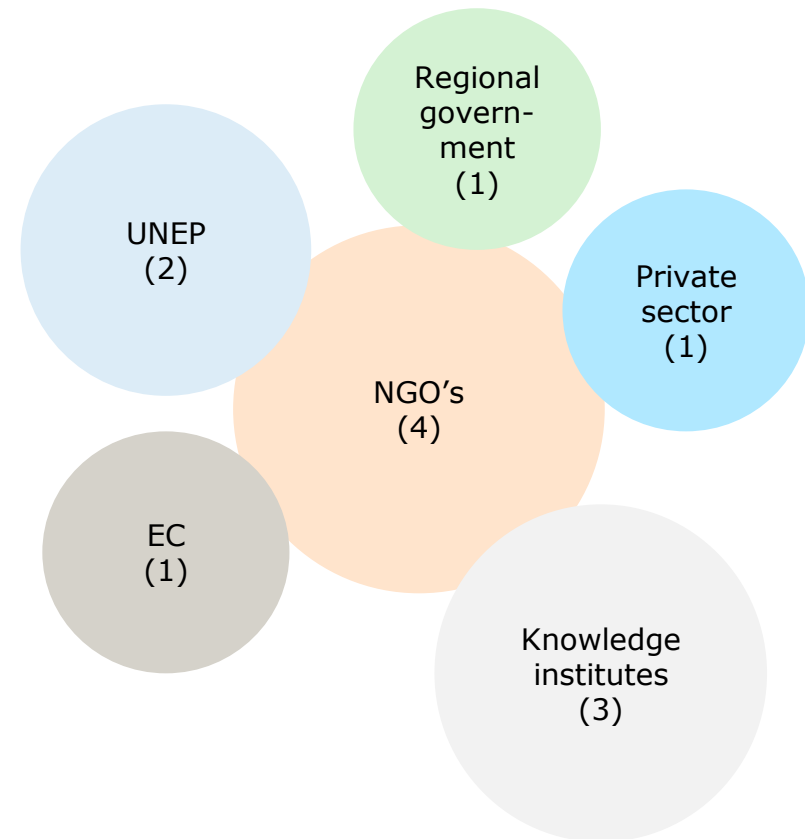
Ecosystem-based Adaptation (EbA)

Ecosystem-based adaptation is the use of biodiversity and ecosystem services as part of an overall adaptation strategy to help people to adapt to the adverse effects of climate change.

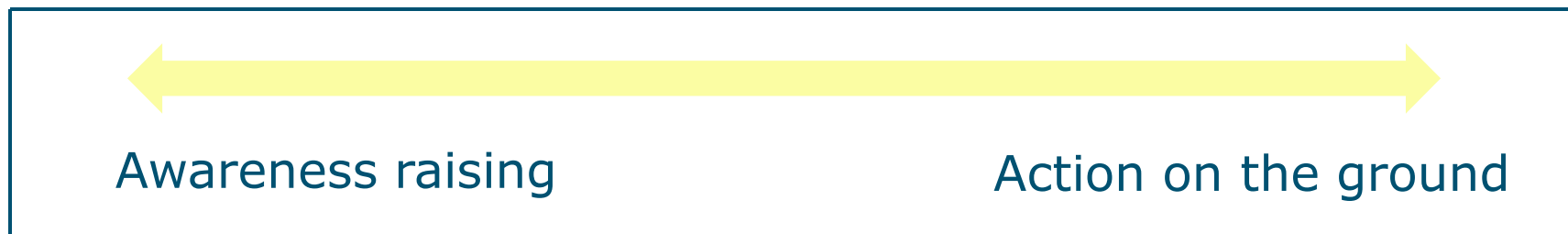
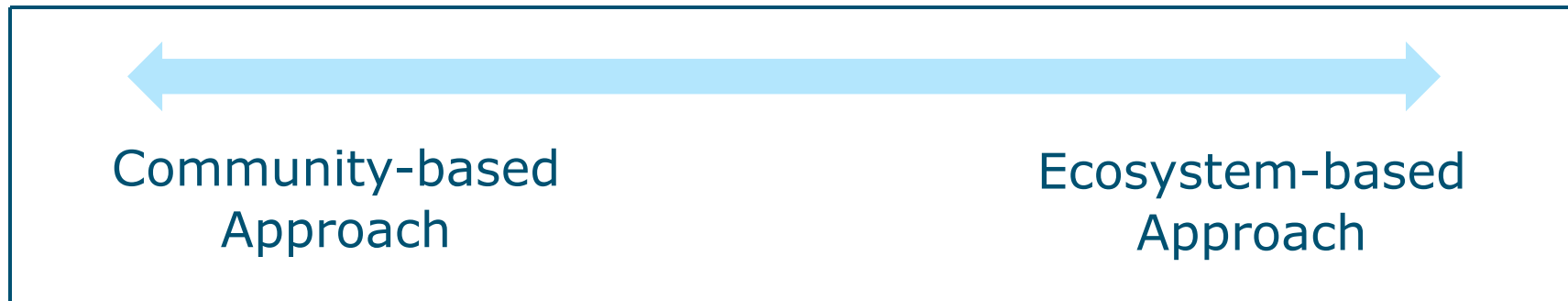
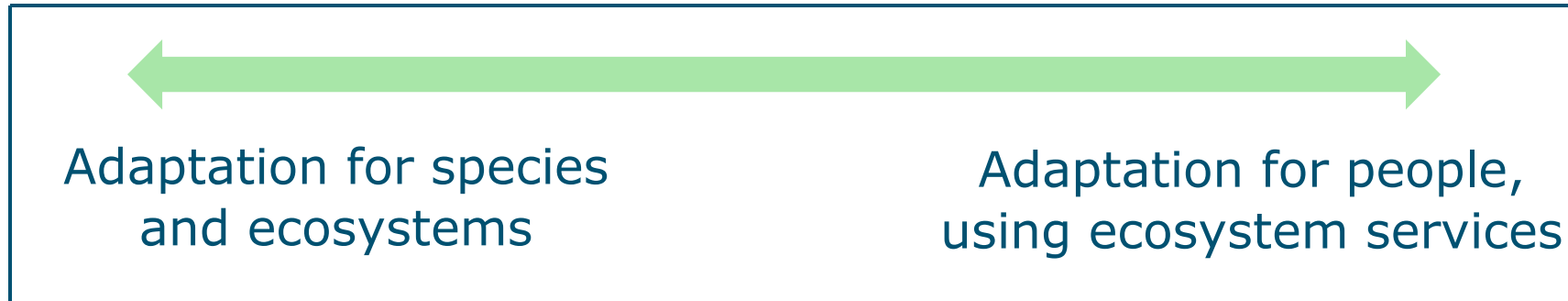
It includes the sustainable management, conservation and restoration of ecosystems and takes into account the multiple social, economic and cultural co-benefits for local communities

Approach

- Literature review
- Selection of key actors
- Interviews (12)
- Analysis:
 - Identification of perceptions on EbA
 - Example cases



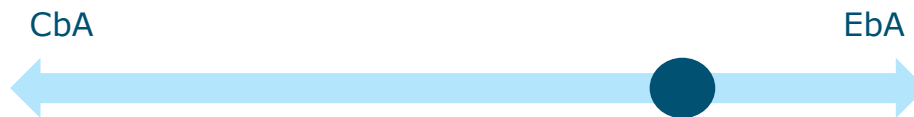
Perceptions of ecosystem-based adaptation



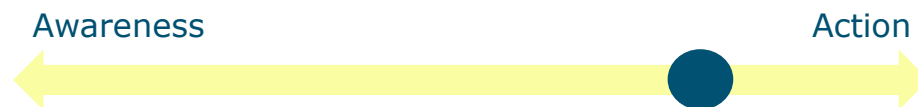
De Doorbraak (NL)



Now: Address floods
Originally: separate urban from rural water
Plus: Biodiversity benefit, ecological connectivity, limit urban expansion



Focus is on the ecosystem



The project is in its implementation phase. Although not the main goal, awareness is raised by means of a youth education programme and small information venue.



Durban CEBA initiative

Ecosystems

People



Restoration of ecosystems and enhancement of ecosystem services is emphasized, resulting in adaptation and mitigation.

CbA

EbA



The CEBA initiative is both: ecosystems are restored and local communities play an active role in this.

Awareness

Action

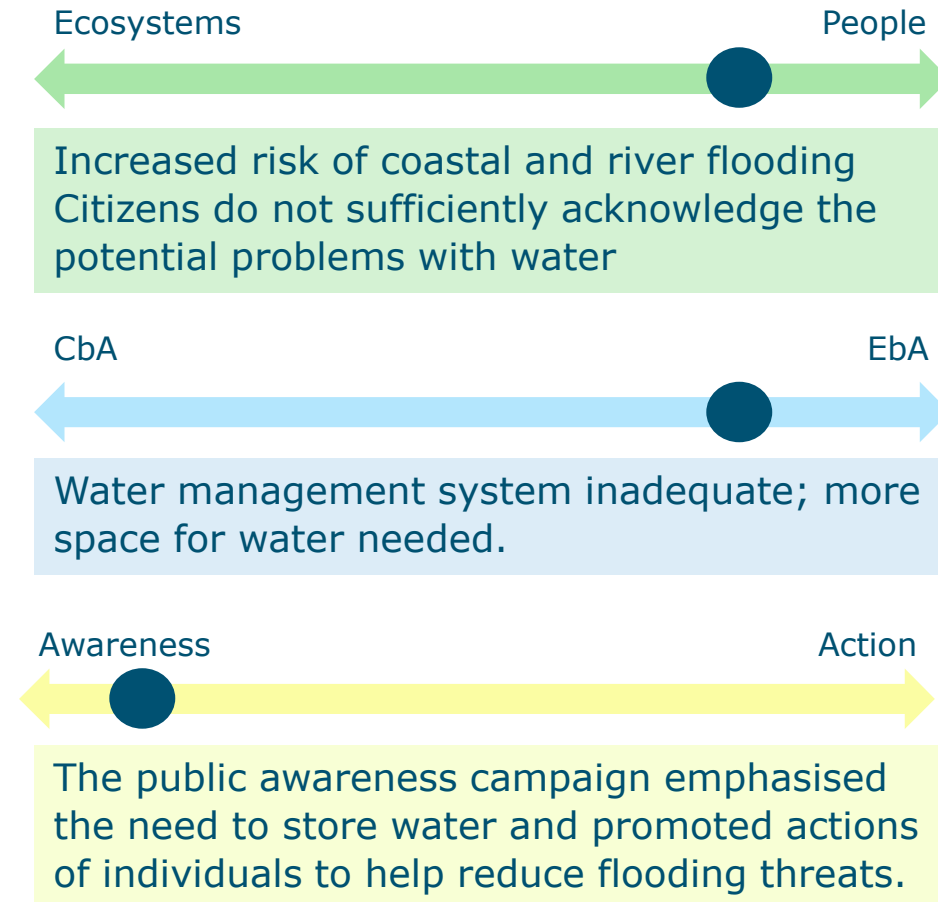


CEBA is real action on the ground by employing people as 'tree-preneurs'. At the same time people are educated.



<http://durbanceba.org>

The Netherlands lives with water

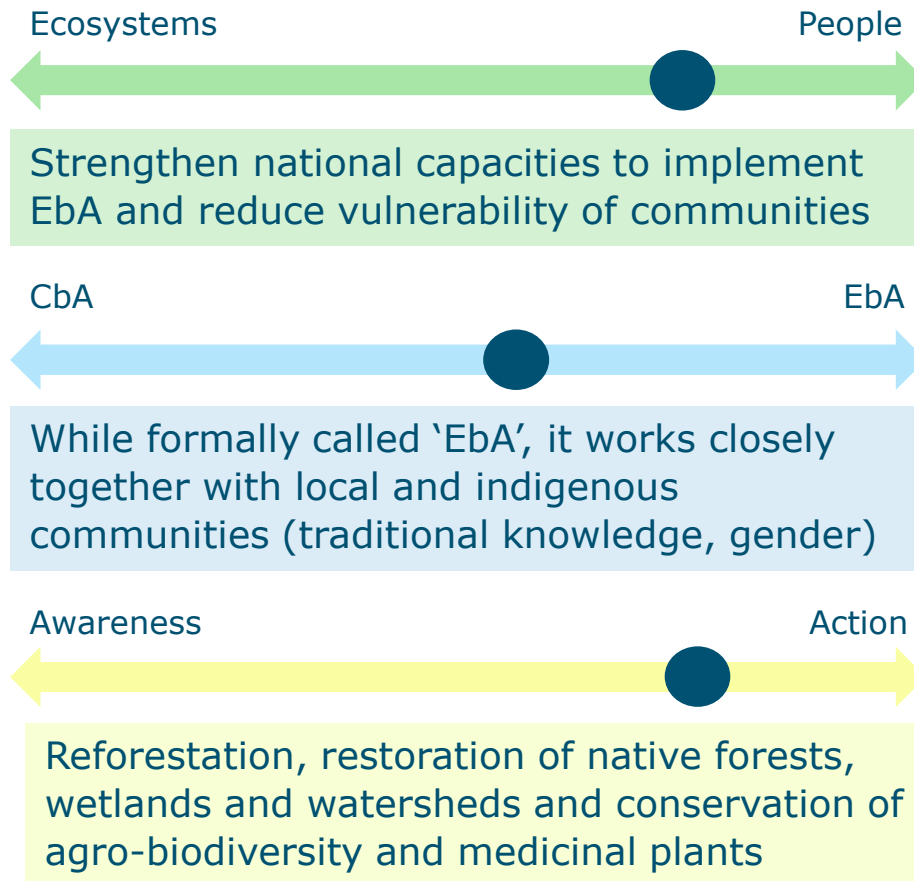


Green wave braking dike (NL)

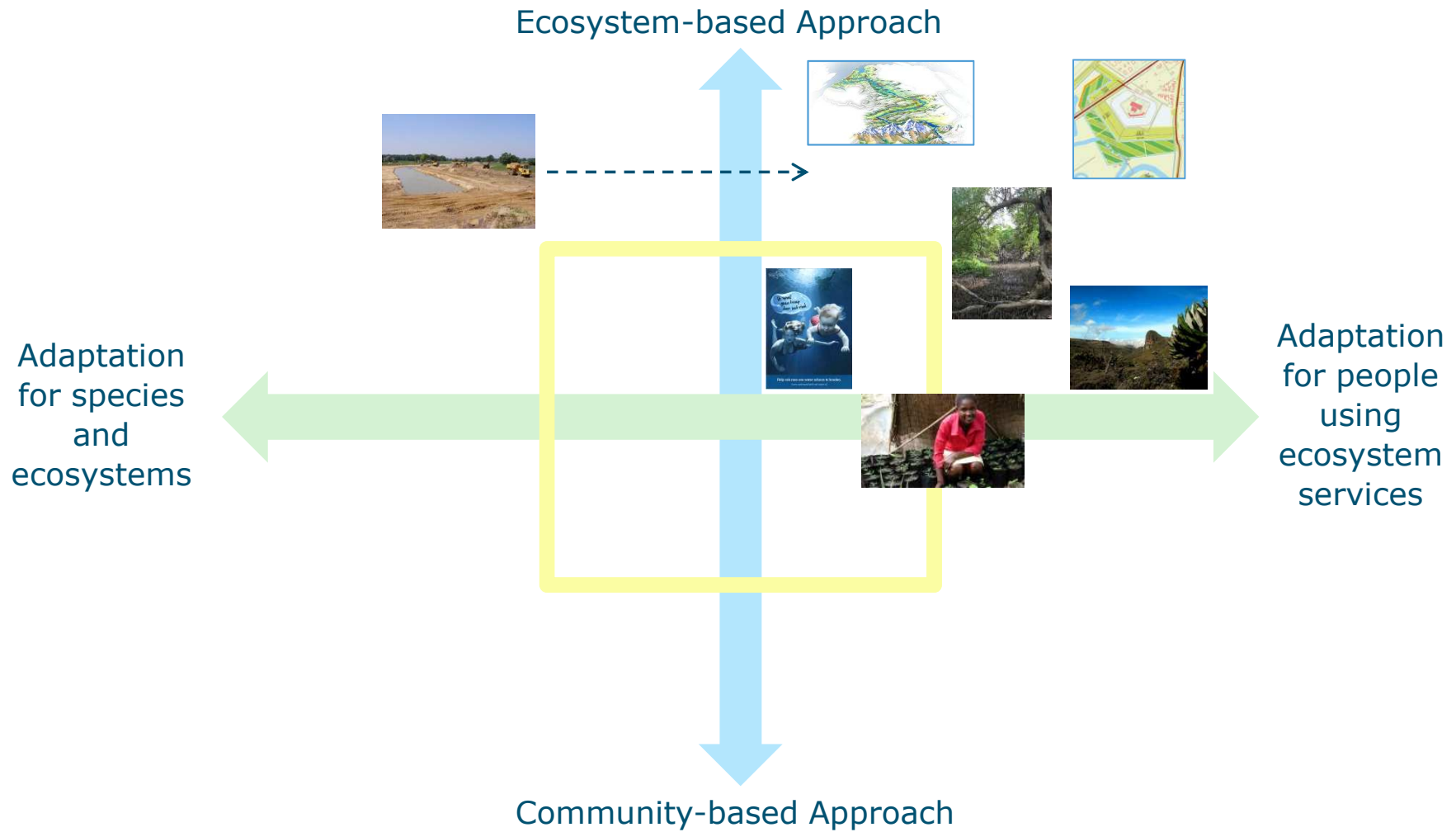


De Vries & Dekker 2009

Ecosystem-based Adaptation in Mountain Ecosystems (Nepal, Peru, Uganda)



Synthesis



Conclusion

- Current literature on EbA mostly describe projects which were started with another objective than adaptation (e.g. nature conservation). However, now there are projects with the explicit aim of helping people adapt to climate change using ecosystem services
- Ecosystem-based Adaptation covers a range of project types: nature restoration (Doorbraak, CEBA Durban), eco-engineering (Dike Noordwaard) as well as awareness raising programmes (The Netherlands live with water).
- Projects have started stating 'EbA' explicitly in their title and project description (Mountain Ecosystems project)

Discussion and questions



More information?

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Mangrove capital project (Indonesia)

