

Tools for EBA: UNDP experience



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Managing biodiversity and ecosystems for development



Empowered lives.
Resilient nations.

1. Integrating biodiversity and ecosystem management into development **planning and production** sector activities
2. Unlocking the development potential of **protected areas**, including indigenous and community conserved areas
3. Managing and rehabilitating ecosystems for **adaptation to and mitigation** of climate change

United Nations Development Programme

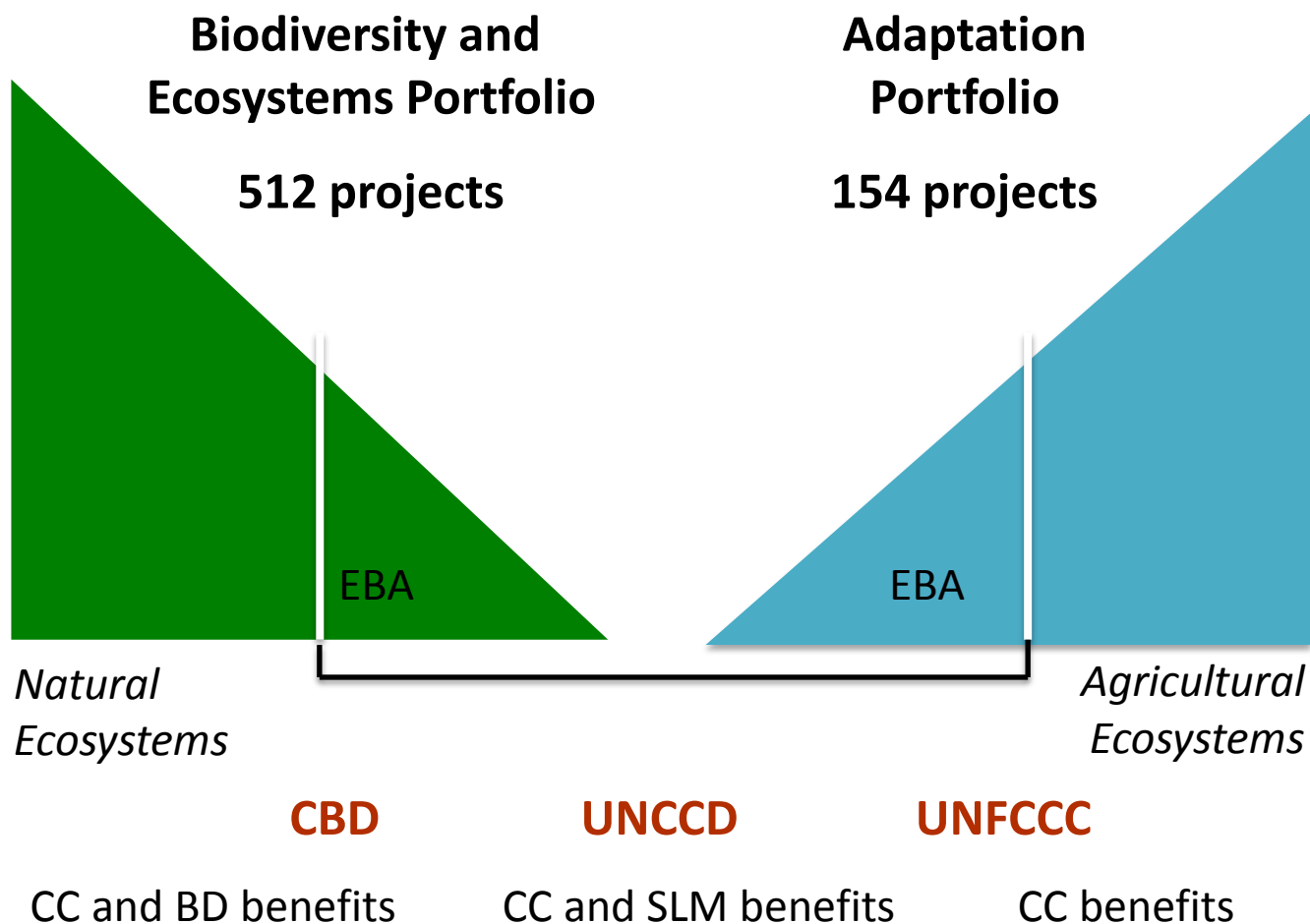
ENVIRONMENT AND ENERGY

THE FUTURE WE WANT

BIODIVERSITY AND ECOSYSTEMS—
DRIVING SUSTAINABLE DEVELOPMENT

BIODIVERSITY AND ECOSYSTEMS GLOBAL FRAMEWORK 2012-2020

EBA in UNDP project portfolios



Challenges for Monitoring and Evaluation

Attribution

Calibration

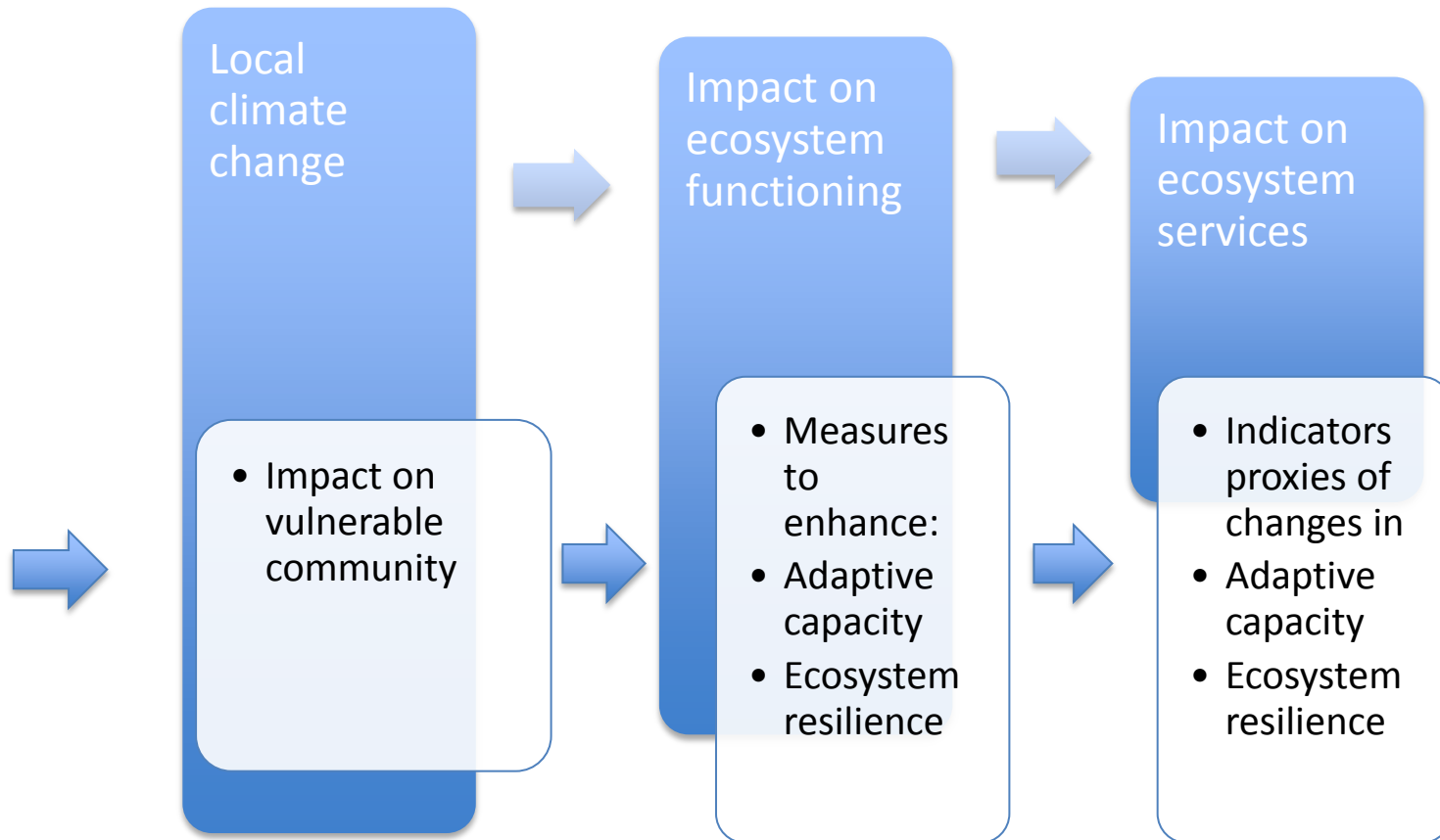
Timeframe

Impact

Cost

Evidence

Designing indicators to measure changes in adaptive capacity and ecosystem resilience





Ecosystem Based Adaptation Approach to Maintaining Water Security in Critical Water Catchments in Mongolia



- Internalise climate change risks into water provisioning services supplied by the mountain and steppe ecosystems of Altai Mountains/Great Lakes Basin and Eastern Steppe landscapes
- Ministry of Nature, Environment and Tourism, Mongolia
- Adaptation Fund
- US\$ 5.5 million over 5 years

Changes in ecosystem functioning

- Mean annual in-stream summer 30-day base flow maintained in two project sites
- Ground and surface water quality improved or maintained in two project sites



Changes in adaptive capacity

1. Water use efficiency improved to maintain ecosystem integrity as measured by:

- Amount of surface water extracted for irrigation in project sites
- Number of monitored wells increasing ground-water consumption efficiency in project sites

2. Land use practices and climate change resilience improved as indicated by:

- Total hectares of riparian and wetland habitat restored with native vegetation within project sites
- Total number of hectares with EBA friendly livestock management practices in two project sites
- Decrease in average Rural Poverty rate for 17 Soums within the target watersheds



Designing Climate Change Adaptation Initiatives

A UNDP Toolkit for Practitioners

