Training courses on **E**cosystem-**b**ased **A**daptation (EbA)

Training A:

Mainstreaming Ecosystem-based Adaptation to Climate Change into Development Planning

Training B:

Valuing the Benefits, Costs & Impacts of EbA Measures – Tools for enhancing climate adaptation decision-making

giz Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ) GmbH

On behalf of:

Federal Ministry for the Environment, Nature Conservation and Nuclear Safety

of the Federal Republic of Germany

The concept of EbA

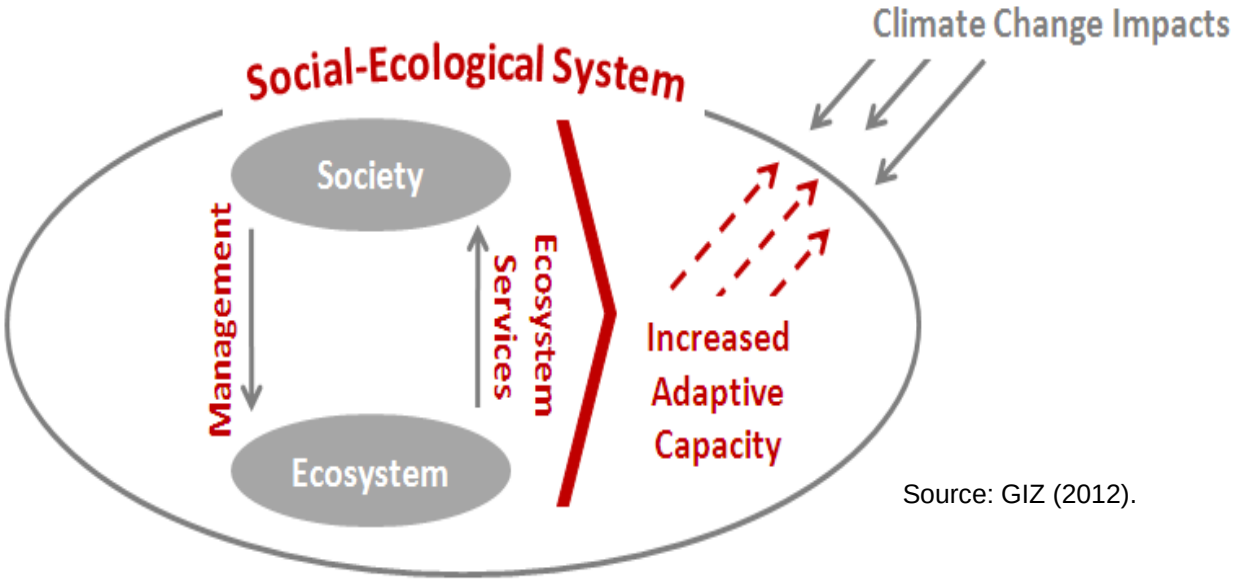
"**Ecosystem-based Adaptation** is the

… **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**."

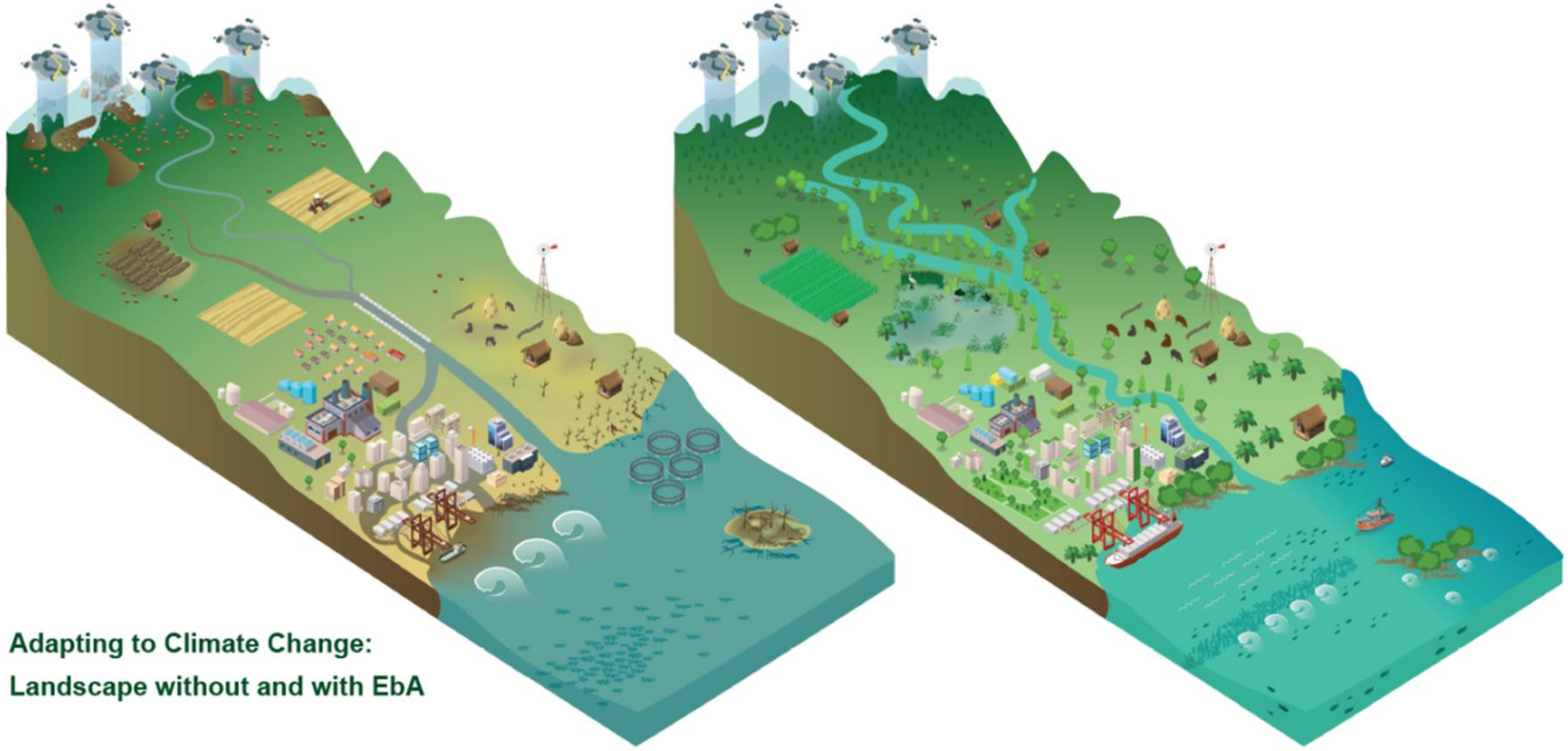
Source:
Convention on Biological Diversity. (2009). *Connecting Biodiversity and Climate Change Mitigation and Adaptation: Report of the Second Ad Hoc Technical Expert Group on Biodiversity and Climate Change.* CBD Technical Series 41, Montreal, Canada. https://www.cbd.int/doc/meetings/cc/ahteg-bdcc-02-02/official/ahteg-bdcc-02-02-06-en.pdf



Source: GIZ (2012).

EbA is a powerful instrument for effective climate change adaptation and a holisitc development approach.

To better expoilt the great potential of EbA it needs to be **fully mainstreamed into development policy and practice.**



Adapting to Climate Change:
Landscape without and with EbA

Source:
GIZ (2018). Solutions in Focus: Ecosystem-Based Adaptation from Mountains to Oceans. How people adapt to climate change by using nature. Bonn and Eschborn, p. 10-11. Graphic: Ira Olaleye, adapted from FLMH based on © 2016 Marco Giudice and Francesca Coati (www.image-illustration.net).

Examples for EbA measures

Peru: Restoration of mountain wetlands for improving water distribution

Germany: Isar-Plan: Improving flood protection and recreational opportunities by redesigning the Isar River

Congo DRC: Reduce soil/gulley erosion and flood risks via integrating EbA approaches in the Lukaya Basin IWRM planning

Source:
www.panorama.solutions

Graphic: Ira Olaleye, adapted from FLMH based on © 2016 Marco Giudice and Francesca Coati (www.image-illustration.net).

Tailor-made, practice-oriented training courses offered by GIZ:

(A) **Mainstreaming Ecosystem-based Adaptation (EbA) to Climate Change into Development Planning**

(B) **Valuing the Benefits, Costs & Impacts of EbA Measures – Tools for enhancing climate adaptation decision-making**

Target group of the training modules:
Government planners and policy-makers, NGO and civil society representatives, researchers and academics as well as technical staff from development projects.

Ideally, a group of 8-20 participants will be facilitated by **two trainers**. Trainings are available in **English and Spanish**.

Training A:

Mainstreaming Ecosystem-based Adaptation (EbA) to Climate Change into Development Planning

Learning objective: Enhancement of capacities among development partners in successfully tapping the potential of ecosystem services for climate change adaptation.

Core Modules:

(1) Introduction to the key elements of EbA
(2) Assessment of vulnerabilities and risks in complex & coupled socio-ecological systems
(3) Selection of EbA options & design of EbA measures
(4) EbA-specific monitoring and evalution

Duration of the training: 1-4 days depending on specific needs and focus of the training

Training B:

Valuing the Benefits, Costs & Impacts of EbA Measures – Tools for enhancing climate adaptation decision-making

Participants of Training B should have basic knowledge on EbA.

Learning objective: Building of awareness and knowhow about why, how and in which contexts EbA assessment and valuation can be used to strengthen climate adaptation planning and implementation in different decision-making contexts.

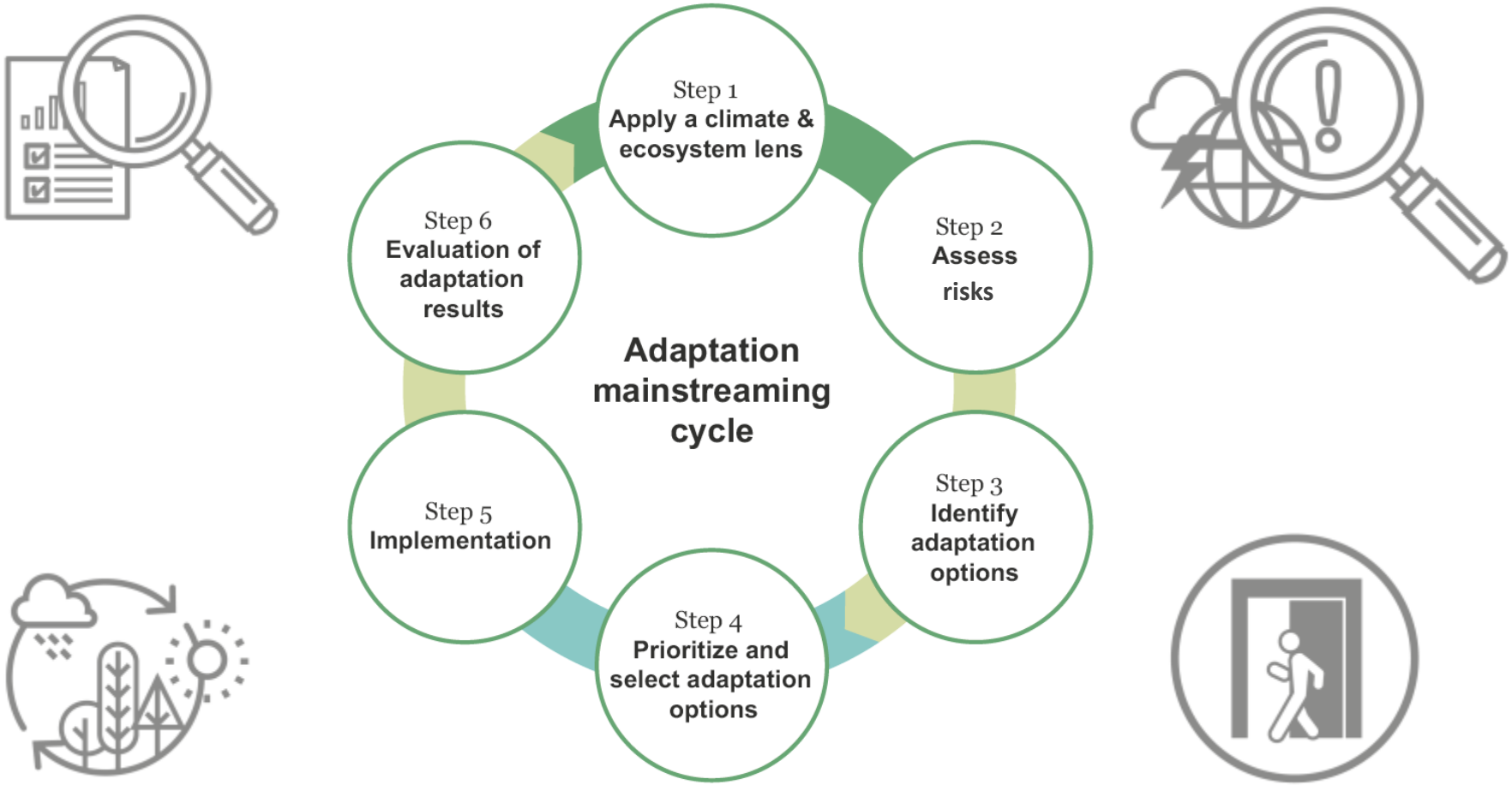
Core Modules:

(1) Identifying needs, opportunities & frameworks for EbA valuation
(2) Selecting and applying valuation methods (including measurement methods for biophysical effects, economic costs and benefits, as well as social and institutional outcomes)
(3) Delivering decision-support

Duration of the training: 2,5 days, length can be adapted according to demand

Set-up of Training A and B:

Both trainings are orientated towards the 6 steps of the so called ***adaptation mainstreaming cycle***



Exemplary insights into Training A:

Mainstreaming Ecosystem-based Adaptation (EbA) to Climate Change into Development Planning

EbA in the Paris Agreement (Article 7 – Adaptation)

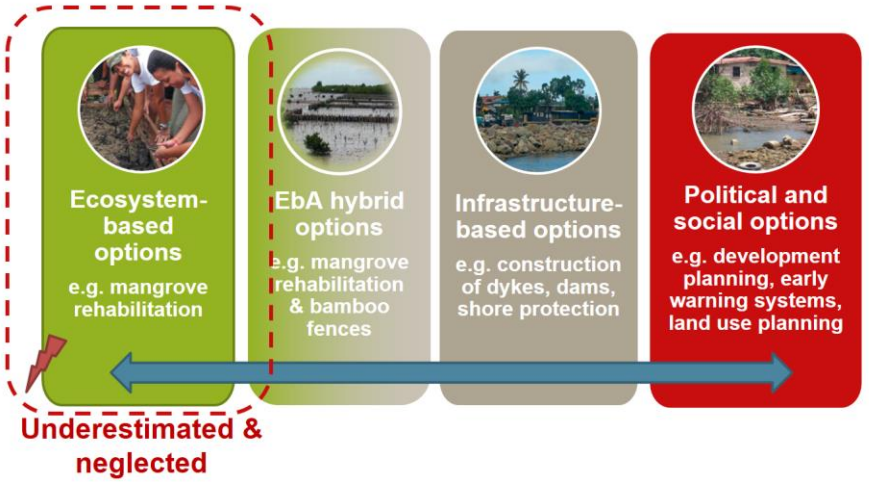
2. (…) adaptation is a key component (…) to **protect people**, **livelihoods** and **ecosystems** (…)

5. (…) **adaptation actions** should follow a country driven, gender responsive, participatory and fully transparent approach taking into consideration **vulnerable groups**, **communities** and **ecosystems** (…)

9. Each party shall (…) engage in **adaptation planning** and (…) **implementation** (…) which may include (…)
(c) The assessment of climate change impacts and vulnerability (…) taking into account vulnerable **people**, **places** and **ecosystems**;
(e) Building the **resilience of socioeconomic** and **ecological systems**, incl. through economic diversification and **sustainable management of natural resources**

Modul 1: Introduction to the training & principles of EbA - Session B: Basics of EbA

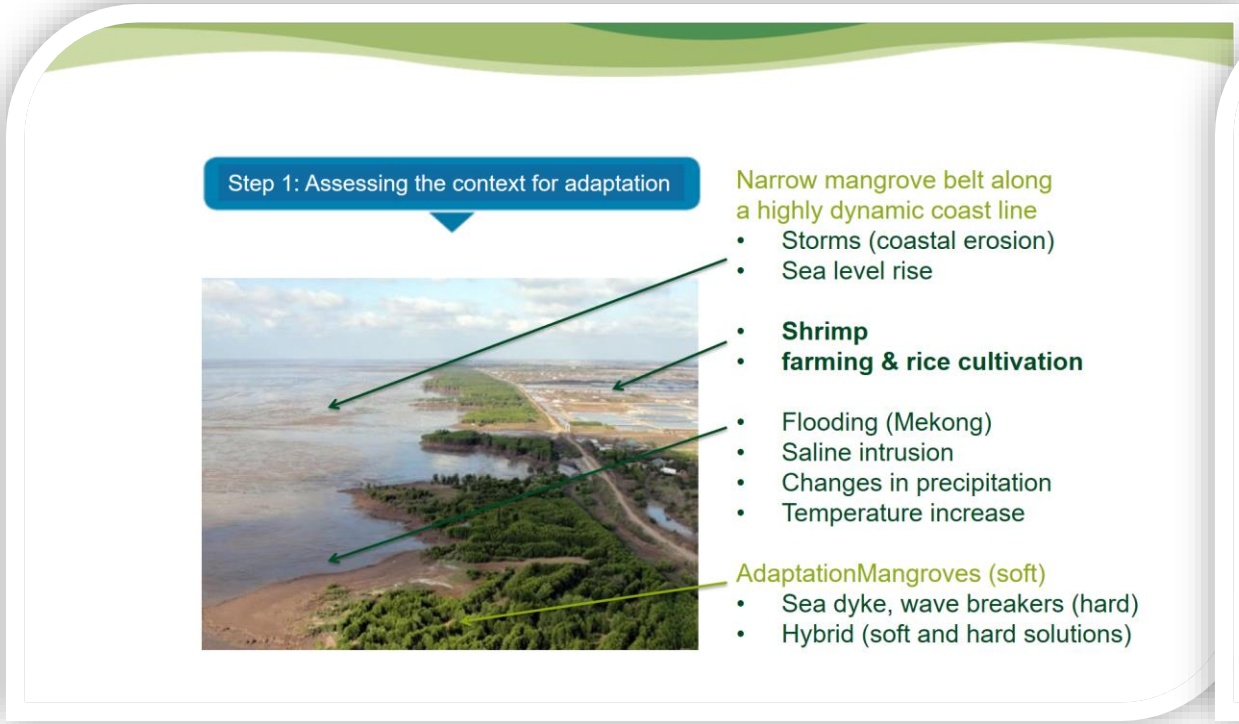
Ecosystem-based adaptation (EbA) in the context of an overall adaptation strategy

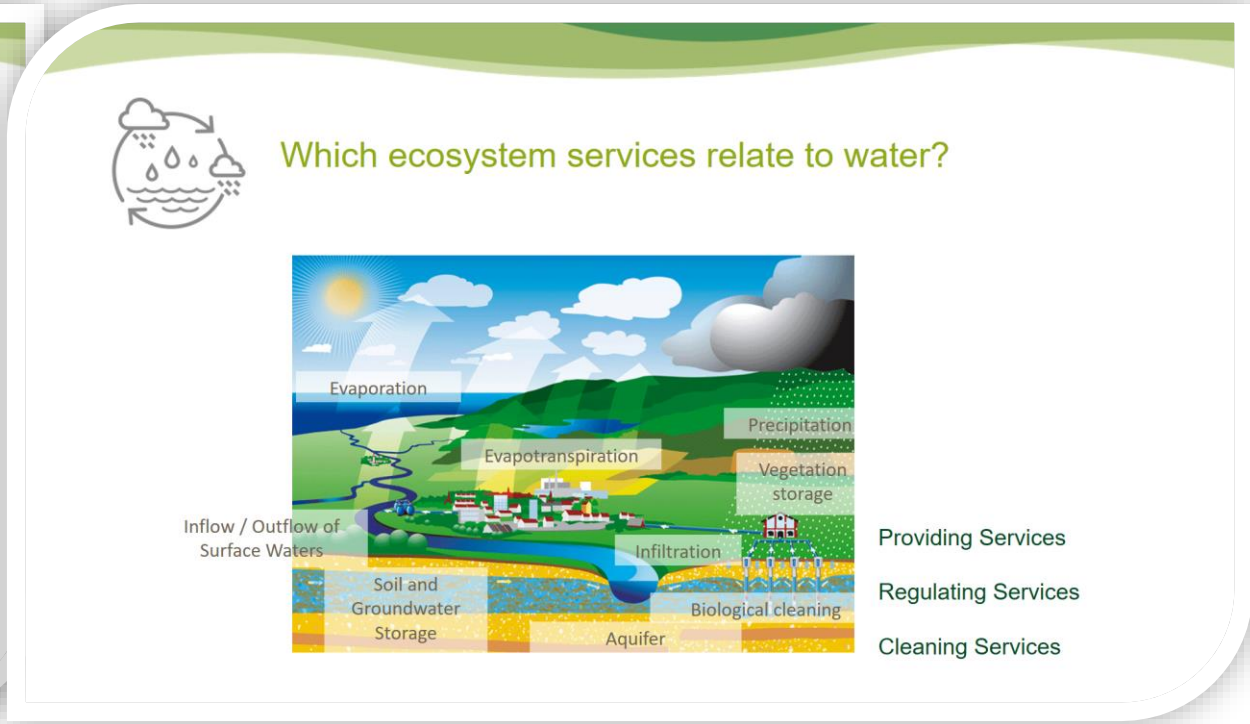


Modul 1: Introduction to the training & principles of EbA - Session C: The EbA mainstreaming cycle

Exemplary insights into Training A:

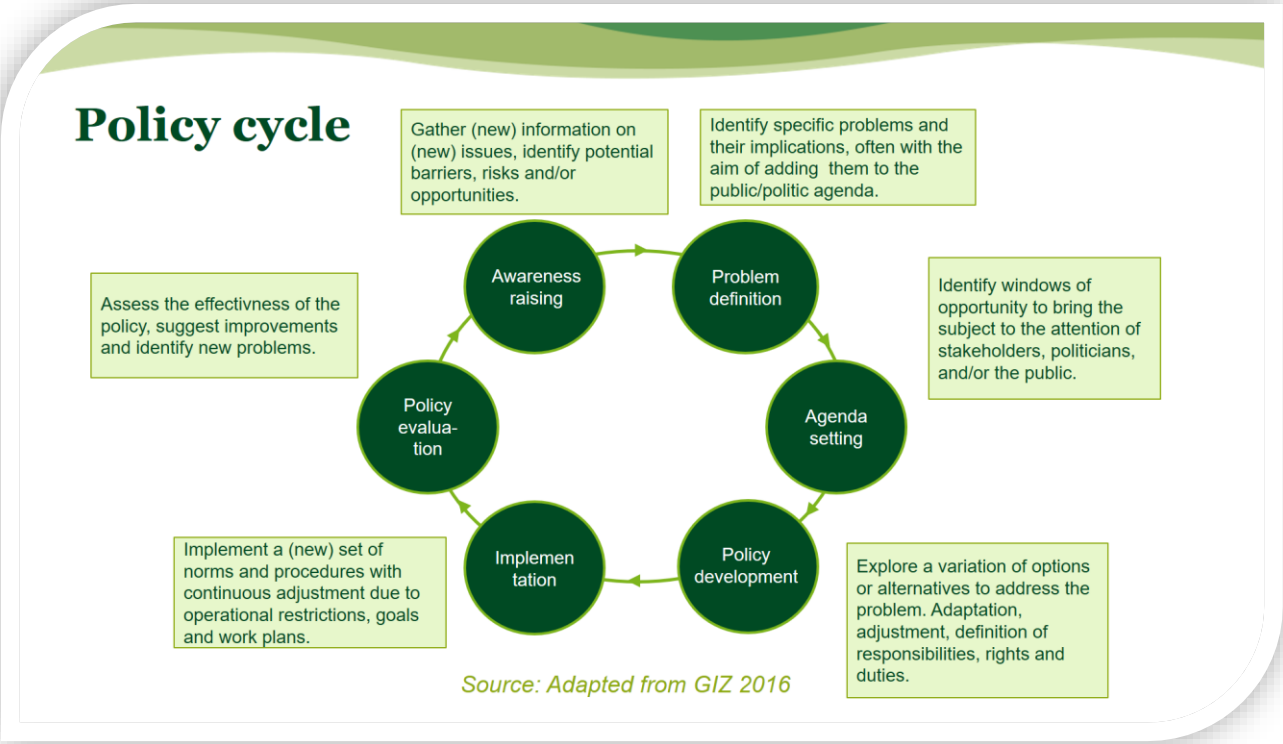
Mainstreaming Ecosystem-based Adaptation (EbA) to Climate Change into Development Planning



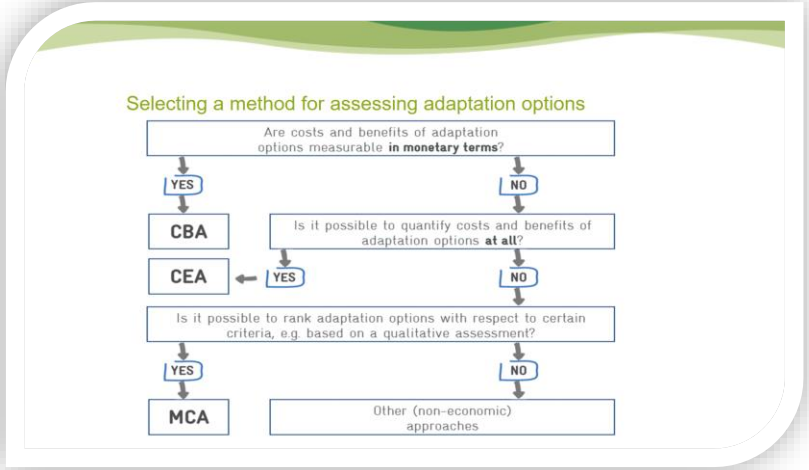


Exemplary insights into Training A:

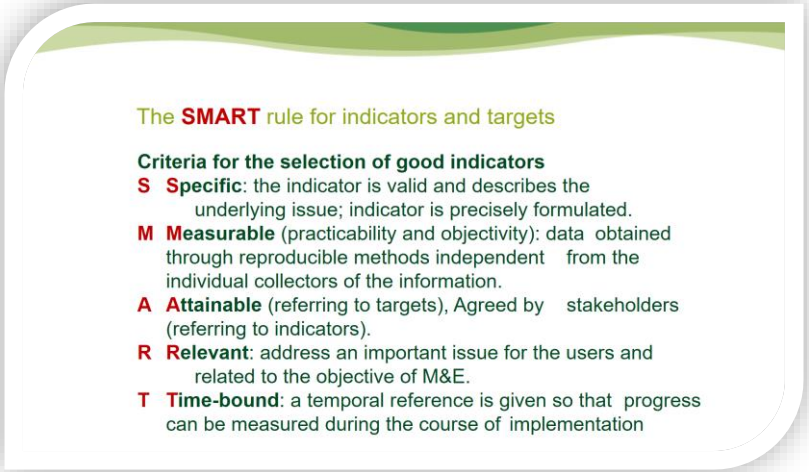
Mainstreaming Ecosystem-based Adaptation (EbA) to Climate Change into Development Planning



Module 2: Scoping and vulnerability and risk assessment - Session B: Policy arena and relevant entry-points for EbA



Module 3: Design and selection of options and measures – Session B: Choosing and prioritizing



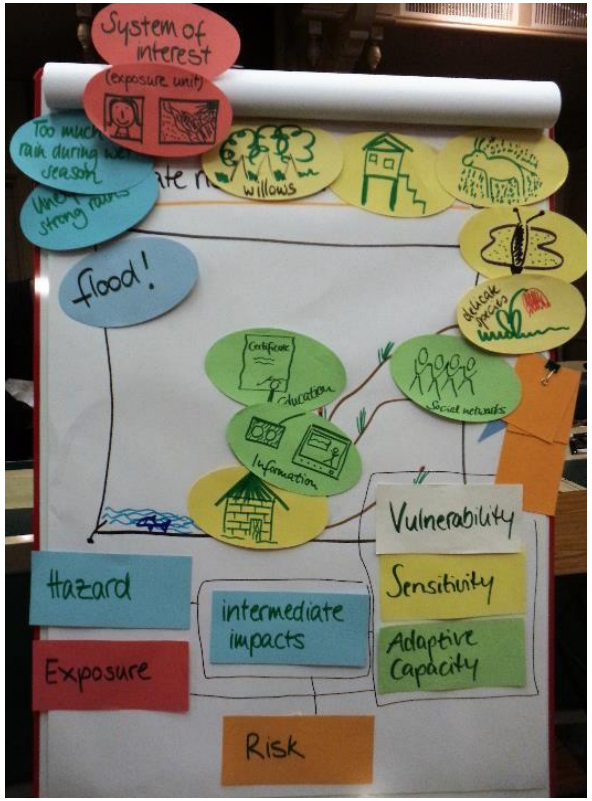
Module 4: Monitoring and Evaluation – Session B: Indicator development

Exemplary insights into Training A:

Mainstreaming Ecosystem-based Adaptation (EbA) to Climate Change into Development Planning

@EbA Mainstreaming Training in Germany 2018

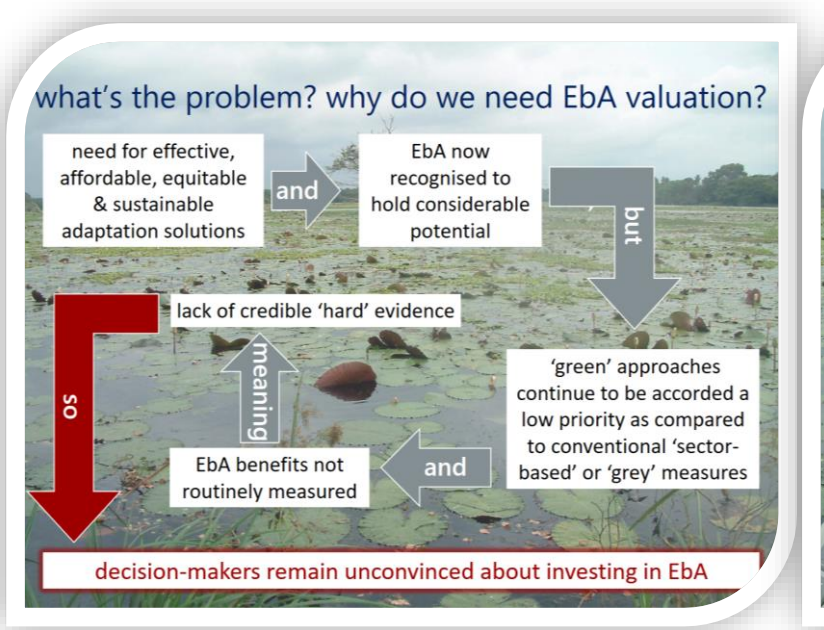
@EbA Mainstreaming Training in Jordan 2018

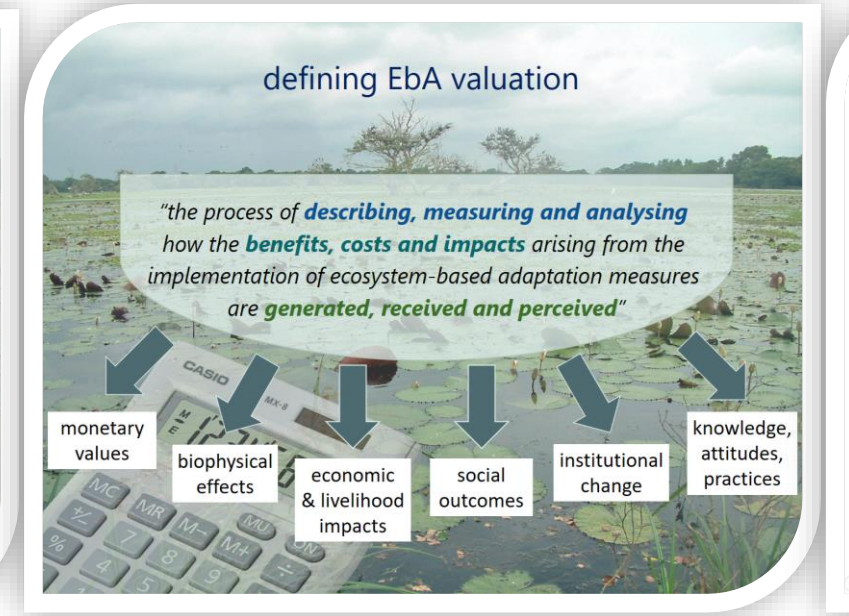


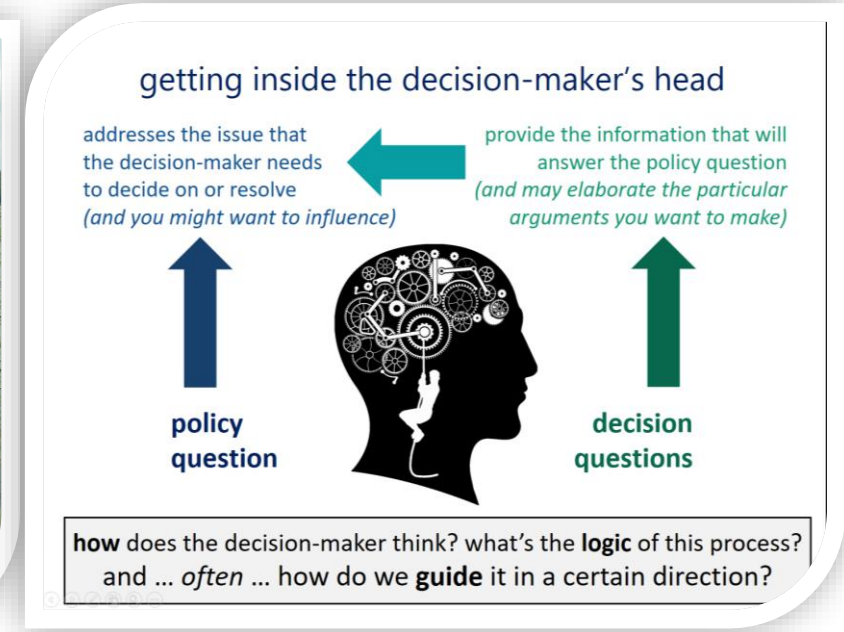
@EbA Mainstreaming Training in Italy 2017

Exemplary insights into Training B:

Valuing the Benefits, Costs & Impacts of EbA Measures – Tools for enhancing climate adaptation decision-making



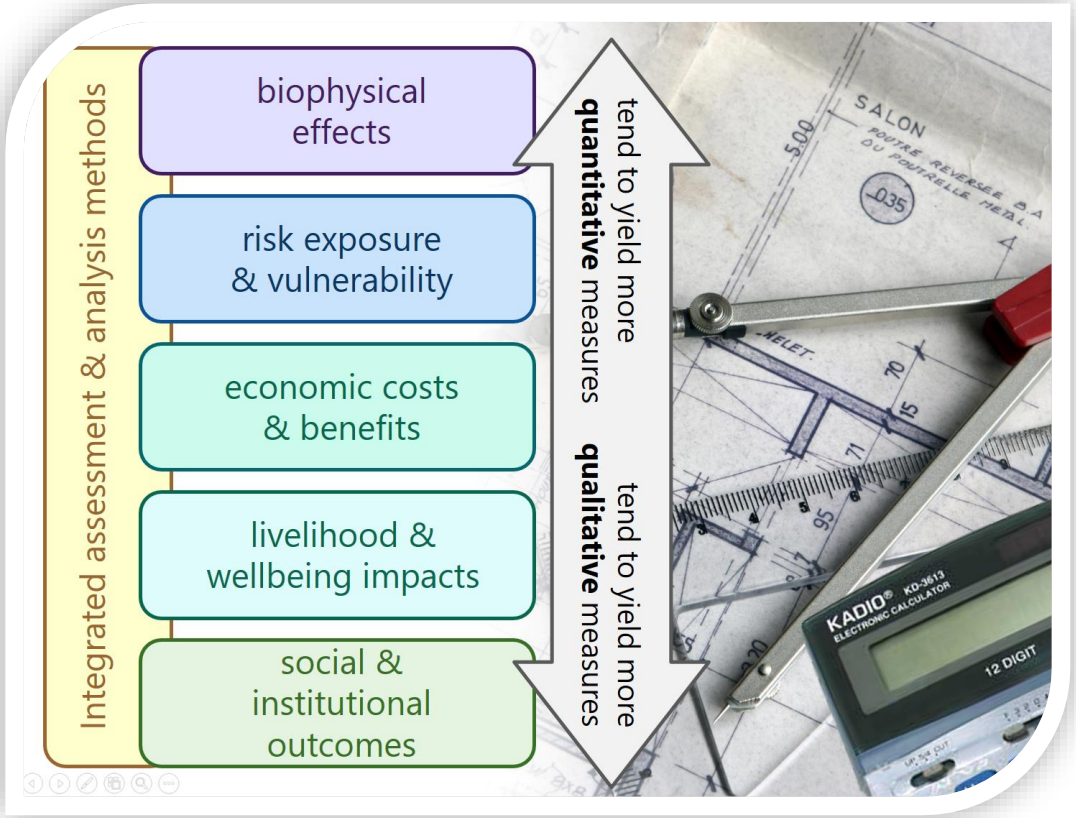




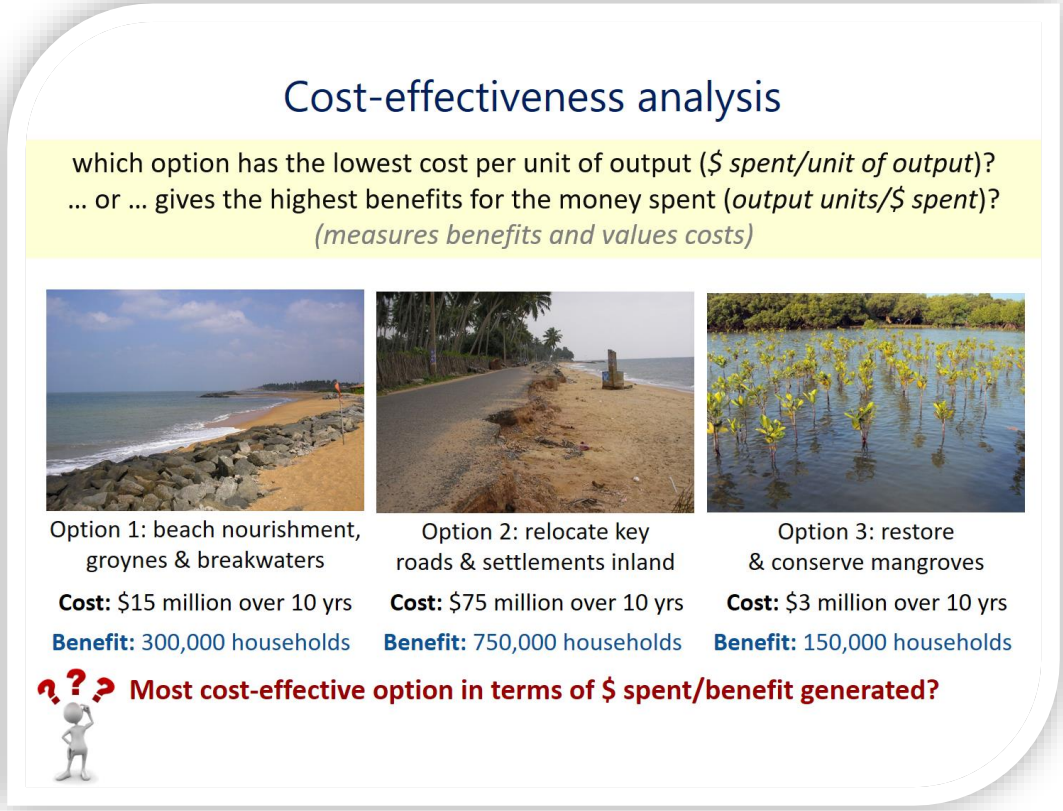
Module 1: Defining the purpose – when, why & where to value EbA benefits

Exemplary insights into Training B:

Valuing the Benefits, Costs & Impacts of EbA Measures – Tools for enhancing climate adaptation decision-making



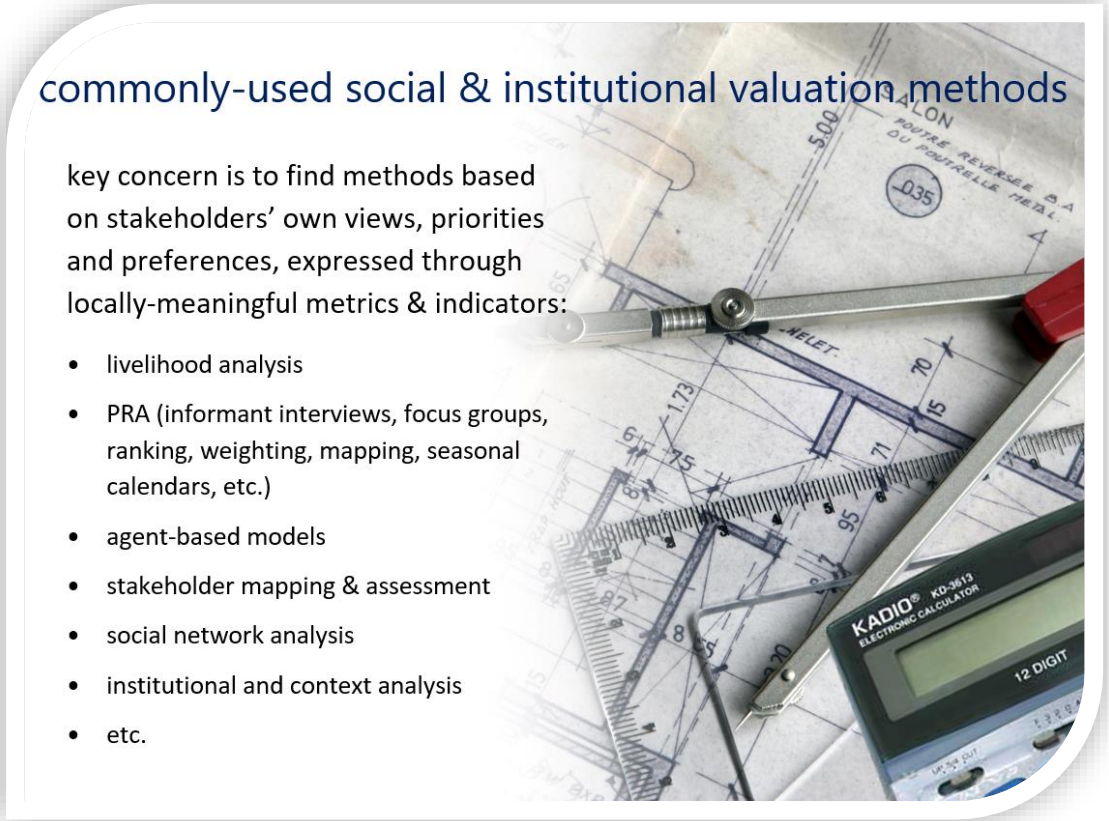
Module 3: Bird‘s eye view of valuation methods - clusters and categories



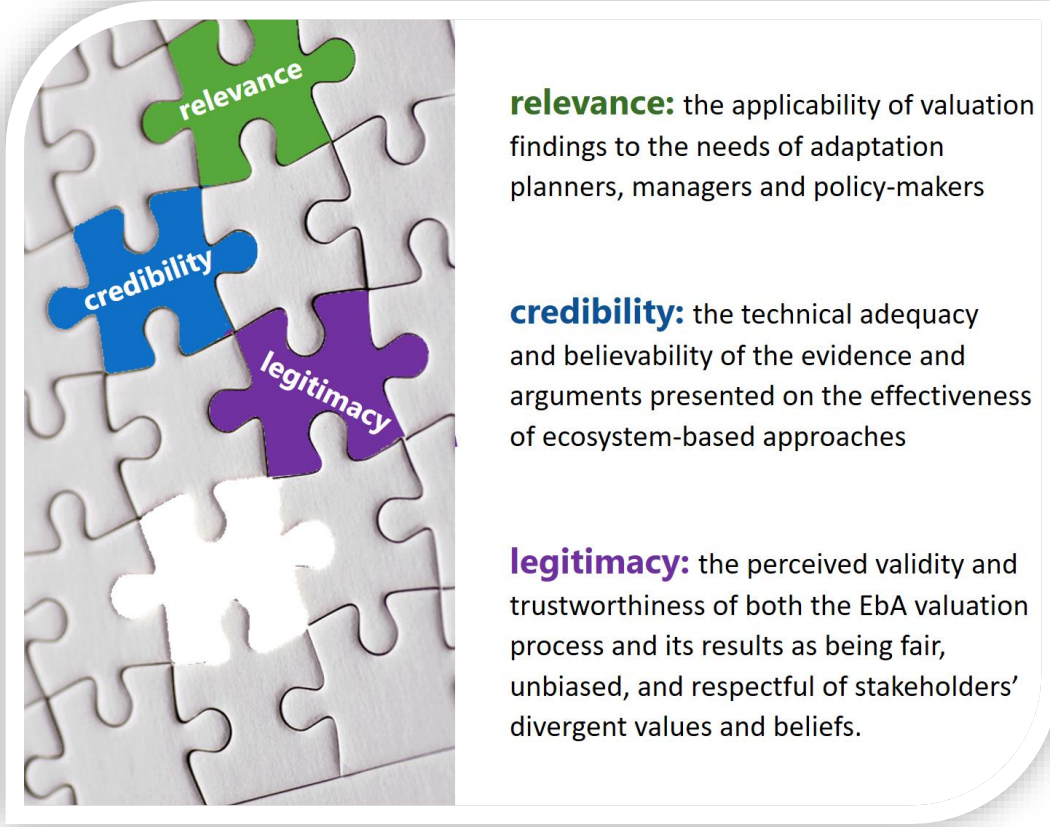
Module 5: Methods of measuring economic values

Exemplary insights into Training B:

Valuing the Benefits, Costs & Impacts of EbA Measures – Tools for enhancing climate adaptation decision-making



Module 6: Methods for measuring social and institutional outcomes



Module 7: Enhancing the strategic impact of EbA valuation – leveraging decision change & influence

For further information regarding the training contact the global project on Mainstreaming EbA.

For publications and further resources please visit:

www.AdaptationCommunity.net