

Module 6: Mainstreaming adaptation into development

6.1. Adaptation in the development context

LEG training workshops for 2012-2013

Anglophone African LDCs workshop

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In this module

Where are we?

Module 1: Setting the stage

Module 2: Implementation strategies for the NAPA

Module 3: Accessing financial resources for implementation of NAPA

Module 4: Tracking progress, monitoring and evaluation

Module 5: Best practices and lessons learned

Module 6: Mainstreaming adaptation into development

 **6.1. Climate change & development**

6.2. Integrating adaptation into development

6.3. National development processes

6.4. Examples of adaptation activities

Module 7: The NAP process

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CASE STUDIES

Learning points:

- Relevant projected changes in the climate
- How current and future climate change impacts on development.

Guiding questions:

- Which areas of development are most at risk to climate change?
- What will be the nature and magnitude of the impacts?



Definitions

Development:

“The pursuit or attainment of well-being in all its dimensions, including economic sufficiency, social equity, personal security, good health, opportunity, and personal freedom.” (Heather McGray et al., 2007);

Sustainable development:

“Development that meets the cultural, social, political and economic needs of the present generation without compromising the ability of future generations to meet their own needs.” (IPCC, 2007).

Adaptation:

“**Adjustment** in natural or human systems in response to actual or expected climatic stimuli or their effects, which moderates harm or exploits beneficial opportunities” (IPCC, 2007);

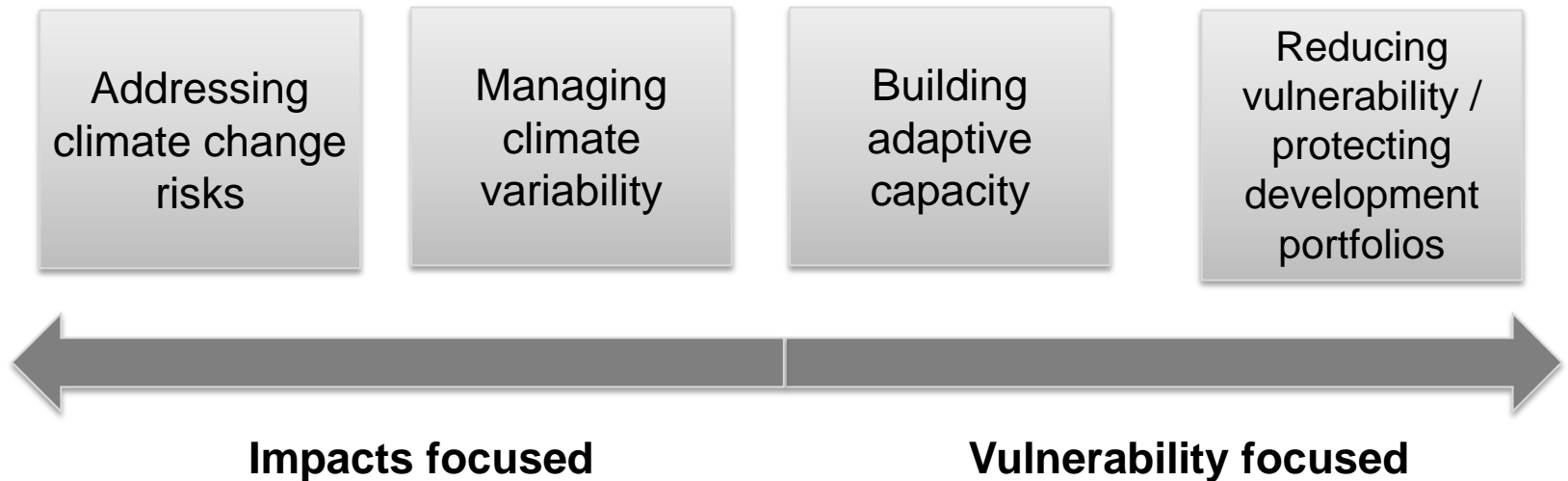


Definitions

Adaptation

“Adjustment in natural or human systems in response to actual or expected climatic stimuli or their effects, which moderates harm or exploits beneficial opportunities” (IPCC, 2007);

Adaptation Continuum



Addressing climate change impacts and risks

Understand the nature of climate change impacts and risks, where natural and human systems are likely to be most vulnerable. **Identify what adaptive responses may be needed** in the short-, medium- and long-term and what those responses could achieve.



Managing climate variability

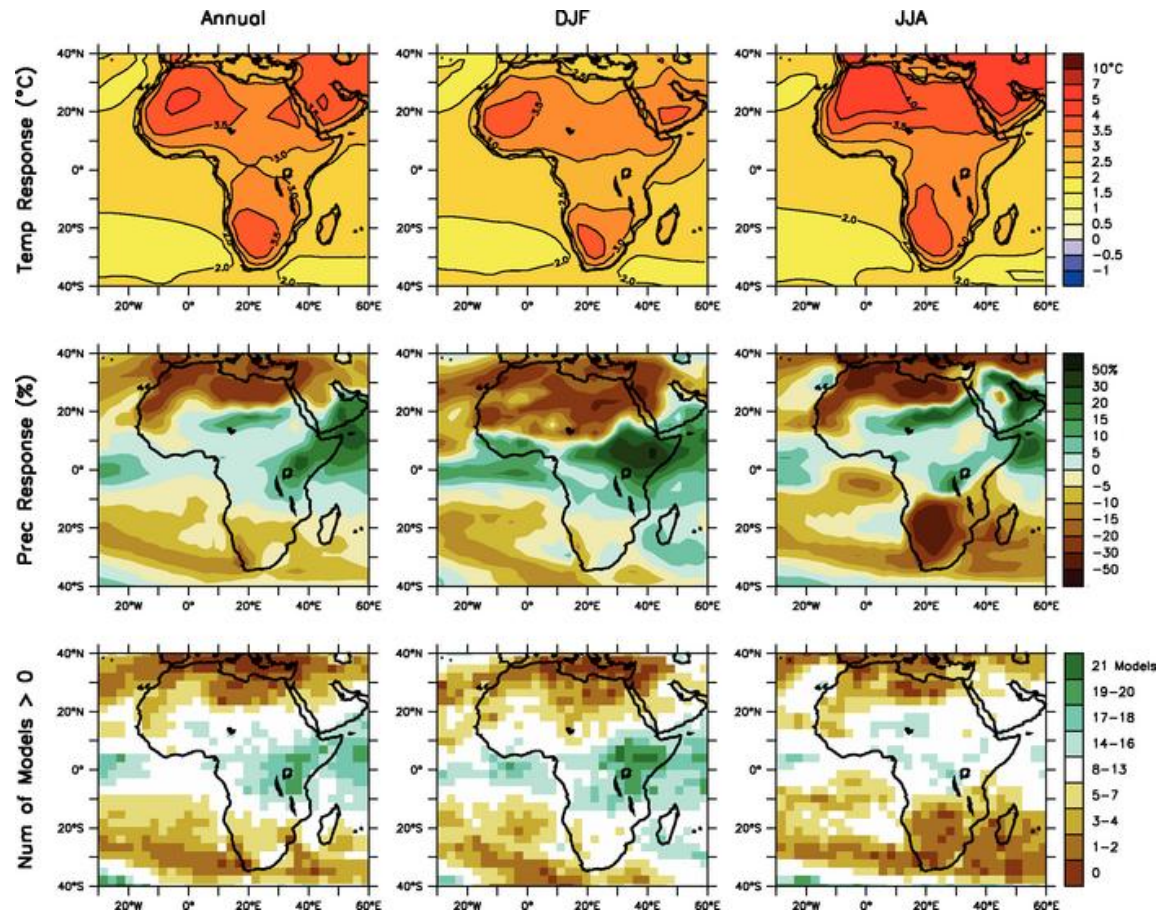


Figure 11.2 - AR4 WGI Chapter 11: Regional Climate Projections

Focus on enhancing the collection and analysis of current and future climate information and thus **improve climate forecasts.**

An example of global climate modeling. Such large-scale data is used in 'downscaling' to provide finer resolution projections that are often more suited to use at the local level



Building adaptive capacity

Enhance the ability of a system (social, ecological, economic, or an integrated system such as a region or community) **to minimize the effects or impacts of climate change or to maximize the benefits** from positive effects of climate change.



Reducing vulnerability/ protecting development portfolios

To have development initiatives attuned to social and economic needs, climate change and environmental sustainability.



Putting adaptation into the development context

Adaptation and development are intricately linked:

- In most practical cases, **adaptation to climate change is naturally embedded in a development fabric**, since all countries are addressing management of the main social, environmental and economic systems in one way or another towards sustainable development;
- However, social, environmental and economic issues are **often addressed separately**, mainly as a result of separate sources of funding for the development of adaptation plans/strategies, and for the implementation of identified adaptation activities;
- Focusing on the beneficiaries of the adaptation or development, it becomes clear that **implementation of adaptation activities should be closely coordinated** and integrated with development efforts.

Source: McGray, H., Hammill, A. and Bradley, R., 2007, 'Weathering the Storm: Options for Framing Adaptation and Development', World Resources Institute, Washington, D.C.



Putting adaptation into the development context

Example of development strategy from an Anglophone LDC in e.g.

- Enhancement of agriculture yield and enhancement of livestock resources;
- Protection of forestry resources;
- Development of infrastructure and improvement of the transport system;
- Development of the energy sector.

What are the climate-related risks to the achievement of these development goals?



How can the implementation of adaptation be coordinated with development at the national level?

