E-learning tool "Planning for Community-Based Adaptation to Climate Change"



Second Asia-Pacific Climate Change Adaptation Forum

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Overview

Developed by FAO in collaboration with University of Freiburg

Objective: A training and self-learning tool to support awareness raising and guide the planning for adaptation to climate change at local level with emphasis on agriculture

Target groups:

- o field technicians and extension staff in agriculture and related sectors in developing countries
- o governmental and non-governmental organizations engaged/interested in implementing CCA projects

4 interactive learning modules in EN, FR, ES

Planning for Community based adaptation to climate change (CBA)

Introduction to the e-learning tool

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Course Introduction



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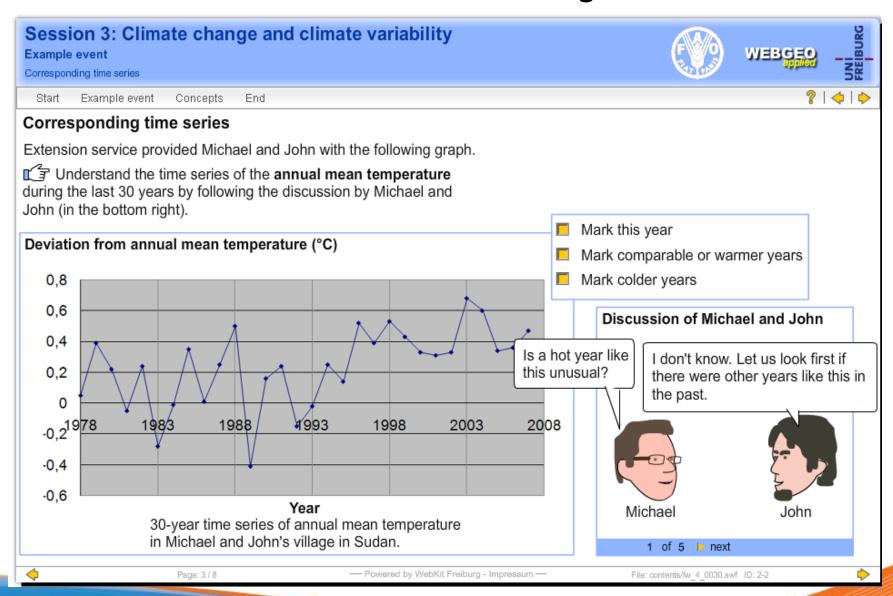
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Key features

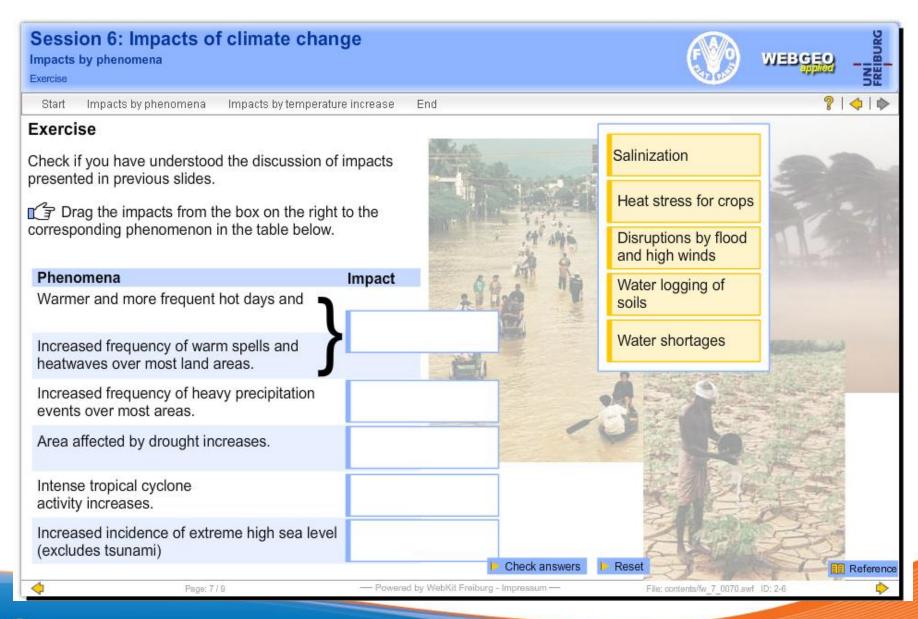
- o Structured along a global perspective with specific field examples including videos from various countries
- Step-by-step guidance from ABC of Climate Change to Community Adaptation Planning and implementation
- Recognizes complexity of CBA planning and implementation: not "one size fits all" but provides variety of options for extension methods & approaches

MODULE 1: Climate Change





MODULE 1: Climate Change





MODULE 2: Climate Change and Food Security

Session 1: Examples of impacts on agriculture and rural livelihoods





Impacts on agriculture

Potential changes in crop production

Start Video examples Impacts on agriculture

End

Potential changes in crop production

The map shows you possible changes in crop production by 2030 for the major food crops in tropical and sub-tropical regions.

Explore the map by clicking on the regions, or selecting them from the list. Identify potential losses and benefits. Then try to complete the exercise.

Changes in crop production Reference

Exercise

In South-Asia losses due to climate change are predicted for many crops including

In Southern Africa, is the crop with the single largest projected impacts.

Some crops are also expected to benefit from climate change, such as in Central America and in East Africa.

Check answers

Hint

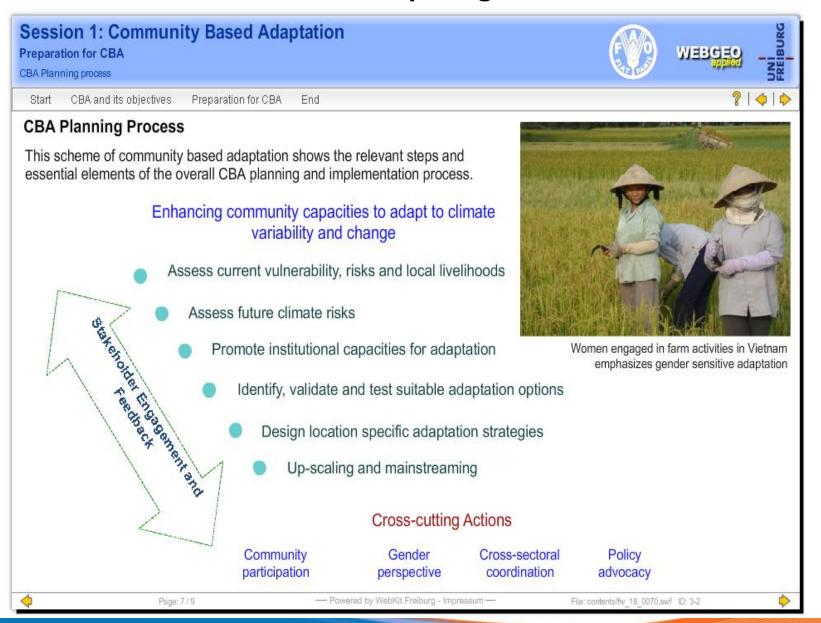


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MODULE 3: Preparing CBA





MODULE 3: Preparing CBA

Session 6: Identifying adaptation options

Process structure

Systematic documentation of adaptation options

Start

Process structure

End









Systematic documentation of adaptation options

- Check the relevance of the below typology for your own purposes/situation
 - Crop improvement: drought/salt/water logging tolerant varieties
 - Changing cropping calendar
 - Alternative farming practices
 - Water harvesting and water management
 - Water saving/use efficiency
 - Soil conservation (e.g. terracing)
 - Seed storage methods
 - Grazing and livestock feed management
 - Pest/disease management
 - Post harvest practices
 - Energy efficiency practices

The **video** provides information about the typology of adaptation options for a drought prone region in Burkina Faso, West Africa





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MODULE 4: Implementing CBA

Session 1: Community Mobilization

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Objectives

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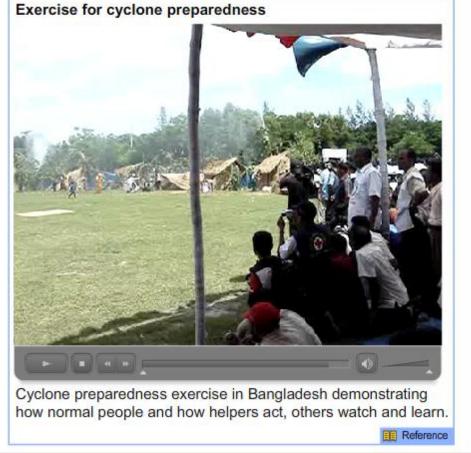
Objectives

The promotion of adaptation practices makes only sense if they find broader acceptance and application by the community.

Social mobilization at community level (i.e. community mobilization) serves to

- raise public awareness,
- improve information and knowledge dissemination,
- enhance engagement and motivation for actions,
- induce interactive and ongoing participation,
- mobilize adequate informal community set-ups,
- empower communities to plan their own local actions,
- initiate social learning, which includes collective behavior and institutional development.

Reflect how the right hand example contributes to these objectives.





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MODULE 4: Implementing CBA

Session 3: Testing Adaptation Practices

Testing and dissemination process

Guiding field demonstrations

Testing and dissemination process

End













Guiding field demonstrations



Start

Clarify responsibilities

- Explain to farmers on the need for their contributions to field monitoring and need to establish a basis of comparison between "new" and previously applied practices.
- Communities must set-up a control plot for each demo with same conditions for comparison.
- Discuss with farmers how to carry risk of failure and the use of benefit from testing. Participating farmers/communities will own the benefits from the demonstrations.
- Agree on risk sharing between farmers and project or agency guiding the adaptation process in case of negative testing results.
- Set risk buffer funds aside accordingly.



Demand responsive technical support

provide on the spot coaching to farmers

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- organize training sessions as needed
- use suitable extension tools



The video above explains demand responsive technical support for implementation of integrated hedgerow technology in Nepal



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Testing strategy

Current version is the result of in-depth field testing in developing countries through workshops in Nepal, Vietnam, Bangladesh, Philippines, Sudan, Dominica, Saint Lucia, Senegal.



Some key messages from the tool

- O Pro-active and anticipatory adaptation approaches must be taken to address the short-term impacts of increasing climate variability on livelihoods but also help local communities prepare for long-term impacts
- Adaptation offers no one-size-fits-all solution. It must be an integrated, flexible process that considers the local context and must be tackled as an integrated part of sustainable development
- Most successful CBA practices need to be documented precisely as guidance for replication and outreach, and in order to ensure sustainability

Dissemination strategy

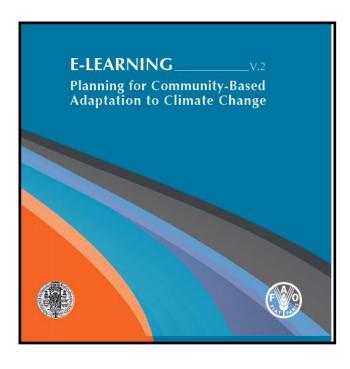
oStand-alone version of the tool freely available on the web:

EN www.webgeo.de/fao-webgeo-2-intro

FR www.webgeo.de/fao-webgeo-2_fr

ES www.webgeo.de/fao-webgeo-2-intro_spa/

or CD-version can also be ordered free of charge



o Two-day workshops combining self-learning with interactive training organized upon request

o Promotion through UN Platforms (ALM, UNCC Learn)

Thank you!

The e-learning tool is freely available at:

www.fao.org/climatechange/learning

Order CD-Rom version: climate-change@fao.org

