

Capacity Development

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IWRM planning

- What do we need to know
 - Resource availability: water
 - Rainfall; intensity and temporal distribution
 - Land cover/land use changes
- Challenge: estimate resources (rain) and demands under global change
- Downscaling future climate projections to local scale
- Incorporating uncertainty : adaptive future planning
- Develop local capacity for longterm planning



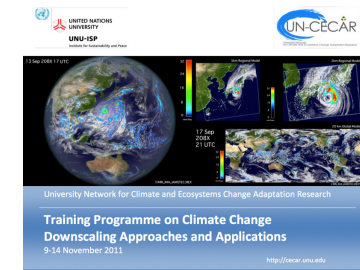
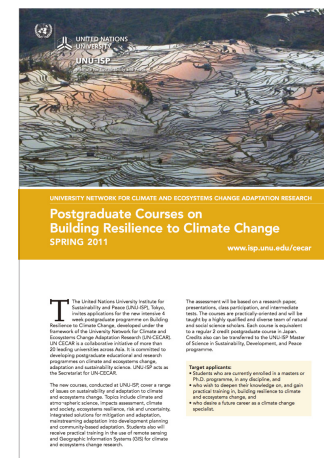
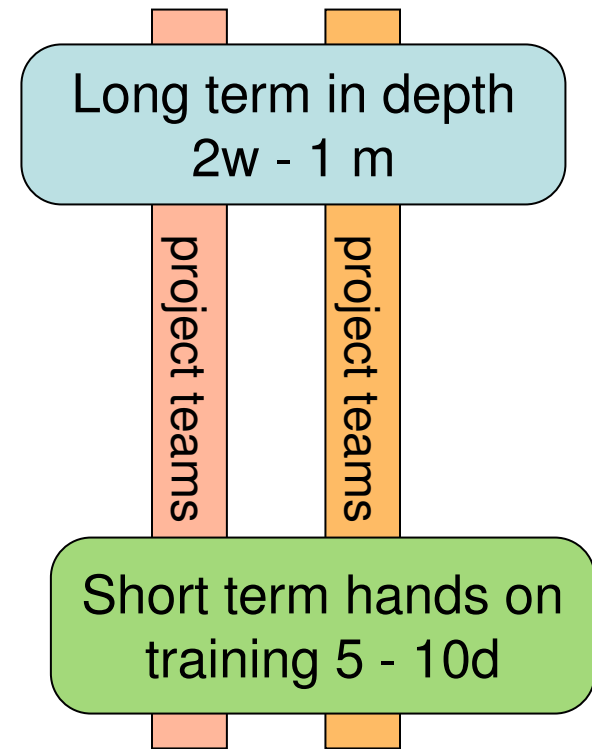
Research to Implementation: Capacity Development needs

- Enabling flow from **research** to **implementation** in developing countries
- Involvement of a range of disciplines
- Target groups:
 - **Higher education: Customizing global knowledge**
 - Professionals: Rapidly train a large number
 - Policy makers: Key messages



Capacity Development Programs

- The programs should not be a one time event
- Should not develop programs to train specific teams but rather develop programs that can be used to train teams.
- Programs should consist of long term in depth courses as well as short term hands on training, that are run independently.
- GEO can provide valuable support to these programs by providing global to local connectivity, information on data repositories and their use, and supporting continuity through pilot projects (field stations)



The United Nations University Institute for Sustainability and Peace (UNU-ISP), Tokyo, invites applications for the new intensive 8-day training programme on Climate Change Downscaling Approaches and Applications in Urban and Food Systems, developed under the Framework of the University Network for Climate and Ecosystems Change Adaptation Research (UN-CECAR) supported by the Ministry of the Environment of Japan and the Institute for Global Environmental Strategies (IGES) as a contribution to Asia Pacific Adaptation Network (APAN). UN-CECAR is a collaborative initiative of more than 20 leading universities across Asia. It is committed to enhancing progressive educational and research programmes on climate and ecosystems change, adaptation and sustainability science. UNU-ISP acts as the secretariat for UN-CECAR.

The new training programme, conducted at UNU-ISP, covers a range of downscaling techniques. The training module consists of the following course objectives: general and statistical downscaling methods, analysis of future climate scenarios, impacts on the agricultural production systems (GIS) in downscaling and modeling extreme climatic events.

Participants who successfully complete a written report, presentation of the written report and participation in group activity will receive a certificate of completion. The programme is pre-arranged and will be taught by highly qualified and diverse team of scientists.

Target applicants:

- Students who are currently enrolled in a master or PhD programme, in the field of, and
- who are to attend the training in person and practical training in building resilience to climate and ecosystems change, and
- who share a focus over a climate change research.

Target applicants:

- Professionals, researchers or faculty staffs from universities working on climate change
- Professionals from government or research agencies involved in planning, monitoring or research on climate change
- National climate change focal points

Integrating Education, Research and Capacity Development

- Higher Education Sector to customize global knowledge and lead development
- Capacity development programs for training a large number of international competent professionals and policymakers.

