Updates on Activities related to GWSP Agenda

Felino P. Lansigan

GWSP SSC
Water and Climate Mitigation & Adaptation: Capacity Building

- Southeast Asia Regional Training Course on Responding to Changing Climate in Agriculture and Environmental Resources Management, November 2009, Bangkok, Thailand.
  - Technical Coordinator & Resource Speaker
  - Funded by the Southeast Asian Regional Center for Research and Graduate Study in Agriculture (SEARCA)
Water and Climate Mitigation and Adaptation: **Capacity Building**

- FAO-DA Project on Strengthening Philippine Institutional Capacity on Adaptation to Climate Change (SPICACC), 2009-2011.
  - pilot field demonstrations of CCA options at the farm and community levels including WRM e.g. rainwater harvesting, small water impoundments, terracing in sloping areas, alternate wetting & drying, etc.
  - downscaling of climate scenarios and relating to future water resources conditions.
  - documentation of knowledge-based and indigenous adaptation options.
  - supported by MDG Fund
Water and Climate Mitigation and Adaptation: Methodology Development

- Project on developing community-based V & A assessment procedure for CCA
  - focused on Coastal, Health, Agriculture, Water & Forests (CHAW-F);
  - funded by MDG Fund
- Identification of local climate-related hazards.
- Evaluation of effects and impacts.
- Assessment of adaptive capacity.
- Scoring
- Analysis and mapping
Other Research Activities

• Water stress analysis using different indicators (related to GWSP score cards)
  - ref: e.g. Lansigan, 2009, In: Taniguchi et al. (Eds. 2009). *From Headwaters to Coastal Zones: Hydrological Changes ...*
  - different water stress indicators at sub-national level (province).

• Statistical approaches to downscaling of climate scenarios
  - e.g. historical analogue; probability-weighted regression; etc.
Water and Climate Mitigation & Adaptation: Science and Policy Link

- Local Government Units (LGUs) Summit on CCA, 5-6 Nov 2010; Legazpi City, Albay, Philippines.
  - Attended by Provincial Governors and Vice-Governors, Board Members.
  - Funded by UNDP, MDG-F
  - Resource Speaker on V & A
  - Climate Change Academy for LGUs launched.
Water and Climate Mitigation & Adaptation: Science and Policy Link

- SEA Regional Workshop on Exchanges of Experiences between Scientists and Practitioners on CCA in Agricultural Production and Environmental Management, 29 Aug – 1 Sept 2010, AIT, Bangkok, Thailand.
  - sponsored by UNDP & UNEP
  - Resource speaker on Vulnerability and Adaptation assessment, and adapting farm practices for CCA.
Water and Climate Mitigation & Adaptation: Science and Policy Link

  - invited by UNEP to sit in the S & P Advisory Board.
GWSP Asia Research Activities: On-going & Planned

- Vulnerability and Adaptation assessment of water sector to climate change at different levels
  - China, Philippines, India

- Water stress analysis using different water scarcity indicators
  - China, Philippines, India, Japan

- Coupling climate model with hydrological model at global level.
  - Japan
Related Issues

• Labeling or reporting of activities as GWSP Asia-related or initiated.

• Need for concrete GWSP Asia/ CA/ SEA/ SA/ EA workplan consistent with the GWSP themes and new scientific areas (i.e. planned activities & expected outputs).

• Regional coordination and participation (i.e. virtual with occasional face-to-face meeting)

• Fund sourcing to support regional activities/projects – e.g. APN, ASEAN, UNDP, UNEP, FAO