

# Capacity building and dissemination of results



In August 2011, Climarice 2 scientists interacted with stakeholders in Andhra Pradesh at different levels. As part of the capacity building and dissemination in the project, scientists organized the following activities.

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23.08.2011

**A workshop at *Jalsoudha*, Hyderabad, the Department of Irrigation and CAD, (I & CAD) Government of Andhra Pradesh**

A workshop was organized on the 2<sup>nd</sup> August, 2011, on the "Basics of Climate change with Special Reference to Monsoon modeling and future water scenarios in the Krishna River Basin, Andhra Pradesh".

Dr. H. Annamalai, from IPRC, Hawaii, coordinated the workshop and presented the basics of climate modelling, the current status with reference to monsoon modeling, future scenarios and the issue of uncertainty.

The workshop objective was to basically interact with the stakeholders, and appraise them about the current knowhow of climate change modeling and link to policy and adaptation. IPRC regional climate model simulations with current climate (1989-2008) and future climate (2081-2100) over Krishna basin was presented. The model interprets that there would be increase in rainfall in Krishna basin in the future climate simulation. Dr. Annamalai also specified that there would be certain uncertainties in the emission scenarios, climate models, regional downscaling (interpolation; model physics), impact models (e.g., hydrology, agriculture, economy) and policy (uncertainty range is manifold).

Dr. Kota Thirupathaiah, DG, WALAMTARI, Hyderabad, later facilitated the discussions with stakeholders who were interested in knowing more about the impacts on land use, the datasets necessary for regional climate models, methane emissions from rice agro-ecosystems and other issues. About, 45-50 stakeholders were present at the workshop, including the Chief Engineer, Hydrology, Flood Control Departments, Irrigation & CAD, Deputy Engineers, staff from the Climate Change Center (at MCHRD Institute, Hyderabad), WALAMTARI and IWMI.



Presentation by Dr. Annamalai, H. IPRC, Hawaii and stakeholders at the workshop in Hyderabad.

### ***Focus group meeting at WALAMTARI***

*On the 3<sup>rd</sup> of August , IWMI, organized a Focus Group meeting to share results with local scientists at WALAMTARI. Scientists from TNAU, Dr.Lakshmanan and Dr.Geetha Lakshmi, presented the Climarice 2 results and adaptation measures that are being tried out. Discussions focused on Azolla and its importance in rice cropping systems, water use efficiency rice varieties and cropping systems.*



*Picture: Participants at the Focus Goup meeting at WALAMTARI, Hyderabad*

### ***Training on Azolla - Livestock feed and Biofertiliser for rice at RARS, LAM (4/8/2011)***

*Climarice 2 has formal cooperation with the Agricultural Univ. of Andhra Pradesh through the Regional Agricultural Research Station at Lam, Guntur. In August two scientists, Dr. Lakshmanan and Dr. Geetha Lakshmi conducted training workshops on Azolla and its importance as biofertiliser and livestock feed at Lam. They also emphasized the need for integrated research to address the climate change impacts and engaging stakeholders in research projects.*

*Fifty participants attended the training program, including scientific staff and representatives from RARS, Lam; Farmers from the pilot villages; Water Distributary canal president; Nilagiri foundation (an NGO); KVK, Krishna district; agricultural officers, WALAMTARI and IWMI. Though azolla is recommended as a biofertiliser crop for the last two decades farmers are unable to upscale it due to the non-availability of Mother inoculum and awareness about it benefits. Dr. Sankara Reddy, Associate Director of Research, RARS, LAM pointed out that biofertilisers like Azolla will play a key role in the reduction of methane gases and nitrous oxide from rice cropping systems.*



*Associate Director of Research, Lam, Farmers, Scientists at Azolla pit demonstration*