

Report

SCIPEA

Science and training visit



International Research Institute for
Climate and Society (IRI)

November 2016

Introduction

During November 2016 IRI hosted a science and training visit at Colombia University, New York, as part of the WISER SC�PEA (Strengthening Climate Information Partnerships – East Africa) project. SC�PEA delegates from Ethiopia and Uganda as well representatives from the regional climate organisation based in Nairobi, Kenya took part in the four-week training led by IRI scientists. The IRI team also assisted them in a programme of research to advance their organisations' seasonal forecasting capability, including development of the prototype climate services, and in formulating training modules in seasonal climate prediction.

Overview of topics

- Review of SC�PEA activities to date by each of the consortia
- Fundamentals (data, models, seasonal predictability and forecasting)
- Calibrating, downscaling and tailoring of Global Producing Centre (GPC) seasonal forecasts for Prototype Climate Services (PCSs)
- Digitization and verification of past forecasts
- Prototype climate models for PCSs

The training materials and presentations used during this visit are available on an IRI [Wiki](#).

Expected outcomes

- Strengthened global/national/regional climate science partnerships
- Improved familiarity and understanding of GPC forecast/hindcast data via the Data Library portal
- Experimental climate forecast methodologies developed and tested for selected PCSs, one for Ethiopia, Uganda and one for Greater Horn of Africa (GHA) region
- Verification maps of the skill of past forecasts made nationally (Ethiopia and Uganda) and regionally (ICPAC - IGAD (Intergovernmental Authority on Development) Climate Prediction Applications Centre)
- Development of training materials

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Outcomes

- Presentations by the consortia are available on [Dropbox](#) or via the IRI [Wiki](#).
- Photos from the science and training visit are available on [Dropbox](#) or via the IRI [Wiki](#).
- IRI maprooms are available on their [website](#).

Overview of all SCIPEA consortia

The SCIPEA project is made up of five consortia, each consisting of a climate information provider, a university or training centre partner and one or two user partners. In addition, the Met Office and IRI provide global centre inputs and ICPAC provides regional coordination.

- **Regional consortia** – ICPAC, Network of Climate Journalists of the Greater Horn of Africa (NECJOGHA), the Regional Food Security and Nutrition Working Group (FSNWG), University of Nairobi
- **National consortia – Kenya** - Kenya Meteorological Department (KMD), KenGen, Kenya Red Cross Society, Institute for Meteorological Training and Research (IMTR)
- **National consortia – Uganda** - Uganda National Meteorological Authority (UNMA), Uganda Ministry of Agriculture Animal Industry and Fisheries (MAAIF), Uganda Ministry of Water & Environment (MWE), National Meteorological Training School-Entebbe (NMTS)
- **National consortia – Ethiopia** - Ethiopia National Meteorology Agency (NMA), Ethiopia National Disaster Risk Management Commission (NDRMC), Adama Science and Technology University (ASTU)
- **National consortia – Tanzania** – Tanzania Meteorological Agency (TMA), Dar Es Salaam Institute of Technology (DIT)

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