

UMFULA intends to generate higher quality, more useful information about the future climate and its impacts, and to make climate information more tailored and accessible to planners. Following on from our April visit, the Malawi UMFULA team continues to research the demand for climate services, and opportunities for inclusion in planning in Malawi. This includes a dedicated research visit in August.

#### ACTIVITIES SINCE APRIL 2016

1. Developed a partnership with the Department of Climate Change and Meteorological Services to support improved availability of climate information in Malawi.
2. Conducted "self-determination theory" surveys with technical and managerial staff in the water, energy and agriculture sectors at national and district level to investigate institutional capacity and the political economy of decision-making processes.
3. Identified key planning and policy processes where government partners have identified opportunities for climate information, and where the development timeframes correspond with the lifespan of UMFULA (for example the ASWAp).
4. Selected the open-access "Water Evaluation And Planning" System (WEAP) integrated model for water resources assessment under climate change, and started compiling data to input to the model.
5. Developed briefing papers: gender, agriculture and climate services; what climate models show us and how they can be used in planning; one each addressing the climate systems in central and southern Africa.
6. With additional funding, undertaken field research in Machinga, Balaka and Thyolo-assessing the differential impact of El Niño on conservation agriculture farmers compared to those using conventional methods.
7. Maintained links with related projects and programmes to ensure ongoing synergies.

#### PLANNED ACTIVITIES

1. Work with partners at national and local level to determine:
  - a. what climate information is most useful to inform planning
  - b. the agriculture and water-related decisions on which they would like to work to better integrate climate information.
2. Decide on appropriate decision-making theory and how best to use this in an interactive user-driven process to generate scenarios that, in turn, can be evaluated to inform climate-resilient planning decisions.
3. Build the WEAP model for the inflows, stores and outflows in the Lower Shire river basin.
4. Investigate opportunities to contribute to the National Adaptation Plan process through development of climate and socio-economic scenarios.
5. Continued coordination and collaboration with related projects and programmes.



#### UMFULA TEAM MALAWI

Mrs Diana Mataya has moved to the University of Leeds for the 2016-17 academic year to undertake an MSc in Environment and Development. Her studies are supported by UMFULA and her dissertation will contribute to UMFULA aims. In the meantime Mrs Dorothy Tembo-Nhlema has joined the project. An UMFULA Team Malawi has been established to effectively coordinate UMFULA with other research, development and government interventions, including GFCS.



#### ON-GOING CLIMATE SCIENCE

1. Investigating the links between the central and southern African regions, how that affects climate, and how well the models are addressing it.
2. Investigating tropical temperate cloud bands, which control extreme rainfall in the region, with the hope of being able to better simulate extremes in the future.
3. Undertaking very high resolution modelling.

For more information, contact Dr Mkwambisi ([david.mkwambisi@bunda.luanar.mw](mailto:david.mkwambisi@bunda.luanar.mw); +265 885 313460), Mrs Tembo-Nhlema ([dorothytembo@yahoo.com](mailto:dorothytembo@yahoo.com); +265 888 326254), Mrs Mataya ([diana.mataya@gmail.com](mailto:diana.mataya@gmail.com)) or Dr Vincent ([katharine@kulima.com](mailto:katharine@kulima.com))