



Workshop for a Systems Approach to Designing, Implementing, and Utilizing
Observing Networks

14 -16 October, 2014
Hotel White Sands, Dar-Es-Salaam, Tanzania

Goal of the Multi Country Support Programme to Strengthen Climate Information and Resilience Development in Africa (CIRDA): *Enhance the capacity of Benin, Burkina Faso, Ethiopia, Gambia, Liberia, Malawi, Sao Tome and Principe, Sierra Leone, Uganda, Tanzania and Zambia to generate, process, and disseminate high quality weather and climate information as a key tool in early warning and long term planning and adaptation.*

Overall Workshop Goal: *To provide a systems perspective on observing networks to monitor weather and climate. Backwards planning will be presented to ensure that an observing network, either new or an extension/upgrade of an existing network, is equipped to provide information as a tool to increase resilience to climate change.*

DRAFT AGENDA

Monday, 13 October 2014

18:30 – 20:30	Opening Reception CIRDA project managers are invited to share in an informal setting their main accomplishments and challenges in the implementation of the national CI/EWS projects	Poolside-Whitesands Hotel
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Tuesday, 14 October 2014

08:00-09:00	Registration	Gilman Conference Room
09:00-10:00	Welcome and Introductory Remarks <i>Chair: Alvaro Rodriguez, UNDP Resident Representative to Tanzania</i> <ul style="list-style-type: none"> - Alvaro Rodriguez, UNDP Resident Representative to Tanzania - Richard Muyungi, UNFCCC Focal Point, Government of Tanzania - Senior Representative from WMO - Pradeep Kurukulasuriya, Head of Climate Change Adaptation, UNDP-GEF - Bonizella Biagini, CIRDA Manager, UNDP-GEF 	Gilman Conference Room

10:00- 10:30	Group Picture and Coffee Break	
10:30-11:15	<p>Introduction to the Workshop Objectives and Goals of the Day <i>Chair: Bonizella Biagini, CIRDA Manager</i></p> <ul style="list-style-type: none"> - John Snow, CIRDA Chief Technical Advisor (CTA) on Meteorology, Climate Monitoring and Forecasting - Alan Miller, International Consultant on Private Sector Engagement and Climate Adaptation - Jeremy Usher, CIRDA Chief Technical Advisor (CTA) on Technologies 	
11:15- 12:15	<p>Session 1A: Importance of Data from Observing Networks in a World Undergoing Climate Change <i>Chair: Pradeep Kurukulasuriya, Head of Climate Change Adaptation UNDP-GEF</i></p> <p><i>Led by Jeremy Usher, CIRDA CTA on Technologies</i></p> <p><u>Topics to be discussed:</u> monitoring weather (climate variability) and climate, on local, regional, and continental scales (the need to work together for mutual benefit); high quality and real time surface observations.</p>	
12:15-13:15	Lunch	Poolside Restaurant
13:15-14:15	<p>Session 1B: Importance of Data from Observing Networks in a World Undergoing Climate Change- Business Case Approach <i>Panel discussion led by Alan Miller, International Consultant on Private Sector Engagement and Climate Adaptation</i></p> <ul style="list-style-type: none"> - John Doherty, Global Development Officer, Earth Networks - Njaliwe Banda, Access Communications - Wairimu Muthike, Business Development Manager, Agriculture and Climate Risk Enterprise (ACRE) <p><u>Topics to be discussed:</u> End users and stakeholders; applications; observing needs of end users; dissemination of information</p>	
14:15-15:00	<p>Session 2: Introduction to Systems Approach and Backwards Planning <i>Chair: Bonizella Biagini, CIRDA Manager</i> <i>Led by John Snow, CTA Meteorology, Climate Monitoring and Forecasting</i></p> <ul style="list-style-type: none"> - Desired outcomes of observation networks, starting with user applications/products/services and working backward to observing needs - Considerations in observing network design - Framing requirements for observing systems and networks: instruments, data loggers, telecom, processing, generation of products and services, transmission to users 	
15:00-15:30	Coffee Break	

15:30-16:30	<p>Country Assignment <i>Moderator: John Snow, CTA Meteorology, Climate Monitoring and Forecasting</i></p> <p>Each country is to identify where they lay in terms of applications and producing the necessary products and services to support those applications as well as key partner(s): the decision maker(s) using the product or service to inform the decision, key ministries from agriculture, energy, transportation, emergency management, etc.; private sector; non-governmental organizations (NGO). Sketch out an end to end flow for observed quantities needed for one application, e.g., growing degree days for maize. Are there opportunities for regional synergies? Are there other relevant actors/stakeholders that need to be considered and brought to the table?</p> <ul style="list-style-type: none"> - Each team is to produce a poster for presentation and discussion on Wednesday. 	
16:30-17:00	Day Wrap Up	

Wednesday, 15 October 2014

08:30 - 09:00	<p>Preview and Goals for the Day <i>Session led by John Snow, CTA Meteorology, Climate Monitoring and Forecasting</i></p>	Gilman Conference Room
09:00 -10:00	<p>Session 3: Data Quality <i>Chair: John Snow, CTA Meteorology, Climate Monitoring and Forecasting</i> <i>Led by Cindy Luttrell, Team Lead for Network Monitoring and Data Quality Assurance Teams, Oklahoma Mesonet</i></p> <ul style="list-style-type: none"> - Levels of accuracy and precision in measurements - Designing QA/QC processes for data streams - Archiving to build a Climate Database 	
10:00 -10:30	Coffee Break	
10:00 - 12:00	<p>Session 4: Instruments, Maintenance, Calibration <i>Chair: Pradeep Kurukulasuriya, Head of Climate Change Adaptation, UNDP-GEF</i> <i>Led by Scott Richardson, Research Scientist, Pennsylvania Mesonet</i></p>	
12:00-13:00	Lunch	Poolside Restaurant
13:00-14:30	<p>Session 5: Novel Observing Approaches: New and Emerging Technologies <i>Session led by John Snow, CTA Meteorology, Climate Monitoring and Forecasting</i></p>	
14:30 -15:00	Coffee Break	

15:30 -16:15	<p>Session 6: Current Observing Networks, Modernization Work Under Way, and Plans for the Future; Common Challenges and Strategies for Addressing Them</p> <p><i>Moderator: John Snow, CTA Meteorology, Climate Monitoring and Forecasting</i></p> <ul style="list-style-type: none"> - David Mburu, Senior Assistant Director, Kenya Meteorological Service - John Selker, Director, TAHMO - Q&A Session 	
16:15 -17:00	<p>Assignment for tonight and tomorrow</p> <p><i>Chair: John Snow, CTA Meteorology and Bonizella Biagini, CIRDA Manager</i></p> <ul style="list-style-type: none"> - Are there common challenges, broader applicability of strategies, possible regional synergies? - What other recent studies have informed the decisions each country is making? <p><i>Open discussions of today's presentations.</i></p>	
17:00-17:30	Day Wrap Up	

Thursday, 16 October 2014

08:30-09:00	<p>Preview and Goals for the Day</p> <p><i>Led by John Snow, CTA Meteorology, Climate Monitoring and Forecasting</i></p>	Gilman Conference Room
09:00-10:00	<p>Session 7: Stories from the Field: an Example from the Philippines</p> <p><i>Chair: Alan Miller, International Consultant on Private Sector Engagement and Climate Adaptation</i></p> <p><i>Led by John Snow, CTA Meteorology, Climate Monitoring and Forecasting</i></p>	
10:00-10:30	Coffee Break – Display Country Posters	
10:30-11:45	<p>Session 8: Assignment Report Out</p> <p><i>Moderator: John Snow, CTA Meteorology, Climate Monitoring and Forecasting</i></p> <ul style="list-style-type: none"> - Country poster presentation (3 mins per country) - Open discussion 	
11:45 – 12:30	<p>Session 9: How will the ideas presented in this workshop can assist each country in the future?</p> <p><i>Led by John Snow, CTA Meteorology, Climate Monitoring and Forecasting</i></p>	
12:30-13:30	Lunch	Poolside Restaurant
13:30-14:00	<p>Sneak Peek: CIRDA Workshop on Private Sector Engagement</p> <p><i>Led by Alan Miller International Consultant on Private Sector Engagement and Climate Adaptation</i></p>	

14:00-14:30	Workshop Evaluation and other matters	
14:30-15:00	<p>Closing Remarks</p> <ul style="list-style-type: none"> - Tanzania Government Representative - Pradeep Kurukulasuriya, Head of Climate Change Adaptation UNDP-GEF - John Snow, CTA on Meteorology, Climate Monitoring and Forecasting - Alan Miller, International Consultant on Private Sector Engagement and Climate Adaptation - Bonizella Biagini, CIRDA Manager 	