

Closing Workshop
for
Climate Research for Development (CR4D) in Africa Post-Doc Research Grant
21-23 June 2020
(Hybrid Workshop)

Background

Climate research in Africa is fragmented and not demand-driven. As such, it is not responsive to the user needs, and also needs to be firmly situated within the contexts of Agenda 2063, Sustainable Development Goals (SDGs) and the Paris Agreement. The intensity and frequency of disruptions in natural and socioeconomic systems caused by climate change require African-led demand-driven researches in the areas of mitigation, adaptation, resilience building, as well as capitalizing on emerging opportunities. The Climate Research for Development (CR4D) initiative represents a paradigmatic shift to address these gaps and situate climate research into the broader development context.

The Climate Research for Development (CR4D) is an African-led initiative supported by partnership between the African Climate Policy Centre (ACPC) of the United Nations Economic Commission for Africa (UNECA), the African Ministerial Conference on Meteorology (AMCOMET), the World Meteorological Organization (WMO), and the Global Framework for Climate Services (GFCS) to strengthen links between climate science research and climate information needs in support of development planning in Africa. The initiative was mandated by the African Climate Conference 2013 (ACC-2013) that was held in Arusha, Tanzania, which brought together more than 300 participants including the African climate scientists, policy makers, climate service providers, and practitioners to discuss the state of African climate science and the existing gaps in climate knowledge. Participants of ACC -2013 recommended the establishment of an African climate research agenda for climate services and development. It was officially launched in Cape Verde by the Third Session of AMCOMET (February 2015).

Following the establishment of the CR4D governing bodies (i.e., the Oversight Board (OB), the Scientific Advisory Committee (SAC) and the Institutional Collaboration Platform (ICP), the ECA-ACPC partnered with the African Academy of Sciences (The AAS) and DFID under the WISER program to implement and manage a small but potentially scalable research grant mechanism. As part of this mechanism, and through a generous grant from the then DFID, the CR4D initiative disbursed grants to the first cohort of 21 post-doctoral researchers from Benin, Cameroon, Cote D'Ivoire, Ethiopia, Ghana, Madagascar, Namibia, Uganda, Kenya, Senegal and Zimbabwe in June 2019. The grants were for an initial period of 12 months, subsequently extended to 18 months to allow for adequate in-depth engagement with the issues under investigation. Funded research focuses on foundational climate science, climate change impacts and policy/advocacy knowledge frontiers. The research initiative is already playing a critical role in mobilizing African climate researchers around a unified climate research agenda to address priority needs of policy makers and vulnerable communities in Africa, in addition to building the capacities of young African climate scientists through cross-regional exchanges, fellowship and secondments.

The research process was ably managed by the African Academy of sciences (AAS), an African institution with long and diverse experience and expertise of managing research endeavours by both senior and upcoming African scientists. As the research has now come to an end, it is imperative that the researchers be accorded, as part of their scientific development, an opportunity to share their work with the scientific community at large, receive comments and advice, and ultimately publish their work in contribution to deepening our understanding of the climate change and development nexus. This

will be done through an end of research workshop jointly organized by the ACPC, WMO and AAS, and supported by the SAC and ICP.

Format

The workshop will be organised as a wholly virtual workshop due to the CPOVID-19 challenges. Given this context, and in order to balance the need for every researcher to adequately present their work and receive comprehensive responses, the workshop will be organised into several parallel sessions. Participants are encouraged to select the sessions that interest them and review the presentations prior to the webinar. After the formal opening addresses, the webinar will break into parallel sessions in which the researchers will make very brief presentations of their research findings and pertinent conclusions, with time allowed for in-depth engagement with participants.













Partner institutions




















Institutions who have received the CR4D Research Grant.




Donor institution/Programme



DAY 1 (21 June 2021)		
Time	Events	Chair
Part I: Opening Session		
11:00-11:30	Moment of Silence in Memory of the Late Prof. Laban Ogallo, Climate Scientist and CR4D Scientific Advisory Committee member.	 Dr. James Murombedzi <i>(Chief, ACPC)</i>
	Welcoming Statements - Mr. Jean-Paul Adam <i>(Director, TCND, UNECA)</i> 	
	- Prof. Catherine Ngila <i>(Acting Executive Director, The AAS)</i> 	
	- Prof. Amadou Gaye <i>(CR4D-Scientific Advisory Committee co-chair, Ministry of Higher Education, Research and Innovation (MoHERI), Senegal)</i> 	
	- Mr. Mithika Mwenda <i>(CR4D-Institutional Collaborative Platform chair, Pan African Climate Justice Alliance (PACIA), Kenya)</i> 	
	- Mr. Ken De Souza <i>(Research Manager, Climate, Energy and Water Research Team, FCDO, UK)</i> 	
11:30-11:45	CR4D Oversight Board Statements - Dr. Joseph Mukabana <i>(CR4D-Oversight Board, WMO, Switzerland)</i> 	
Part II: Overview Presentations		Chair
11:45-12:30	- CR4D in Africa Initiative <i>(Dr. Yosef Amha, CR4D Secretariat, ACPC)</i> 	 Mr. Frank Rutabingwa <i>(CR4D coordinator, ACPC)</i>
- CR4D Research Grant Management at AAS <i>(Dr. Alphonsus Neba, AAS)</i>		
- WISER and CR4D Programme <i>(Mr. Ken De Souza, Research Manager, Climate, Energy and Water Research Team, FCDO, UK)</i> 		
Lunch		

III. Foundational Climate Science		Chair
14:00 -14:30	<p>Improving weather and climate early warnings in Southern Africa</p> <ul style="list-style-type: none"> - Dr. Mary Jane Bopape, South African, African Weather Service 	 Ernest Asi Afiesimama, WMO
14:30 -15:00	<p>Strengthening the potential of seasonal forecasts for early warning of sectorial impacts as anticipated under 1.5/2.0 degree warming over Eastern Africa</p> <ul style="list-style-type: none"> - Dr George Otieno Ochieng, Kenyan, ICPAC 	
Health Break		
15:10 -15:40	<p>Climate-Resilient development for Southeastern African Islands (CRISTAL)</p> <ul style="list-style-type: none"> - Dr Rondrotiana Barimalala, Madagascar 	 Prof. Amadou Gaye Uni. Cheikh Anta Diop
15:40 -16:10	<p>Multiple datasets and drought indices for supporting the mitigation of and adaptation to drought in Ethiopia</p> <ul style="list-style-type: none"> - Dr Mokonen Adnew Degefu, Ethiopian, Debre Markos University 	
Health Break		
IV. Climate Change and Agricultural Impact		Chair
16:20 -16:50	<p>Mainstreaming climate services for resilient agricultural systems and sustainable development in West Africa</p> <ul style="list-style-type: none"> - Dr Philip Antwan-Agyei, Ghanaian, Kwame Nkrumah University of Science and Technology 	 Dr. Olu Ajaye, CTA, Netherland
16:50 -17:20	<p>The Implications of the 1.5-2.0 degree Celsius to Uganda's Climate, Agriculture and Water</p> <ul style="list-style-type: none"> - Dr Isaac Mugume, Ugandan, Makerere University 	

DAY 2 (22 June 2021)		
Part IV. Climate Change and Agricultural Impacts		Chair
11:00 -11:30	<p>Plasma N₂: Emissions saving through production of low cost Fertilizers, using air as a raw material</p> <ul style="list-style-type: none"> - Dr Stella Kabiri-Marial, Ugandan, Mukono Zonal Agricultural Research and Development Institute 	 Mr. Nassirou Ba, ECA
11:30 -12:00	<p>Crop diversification and Nutrition security: Evidence from Sub-Saharan Africa</p> <ul style="list-style-type: none"> - Dr Eleni Yitbarek, Ethiopian, University of Pretoria 	
Health Break		
12:10 -12:40	<p>FLOod Risk Reduction under Paris Agreement (FLORR-PA) for three West African capital cities</p> <ul style="list-style-type: none"> - Dr N'Datchoh Evelyne Toure, Ivorian, West African Science Service Center on Climate Change and Adapted Land Use 	 Dr. Dawit Solomon, CCAFS
12:40 -13:10	<p>Trading water for soil fertility in rice systems under climate change</p> <ul style="list-style-type: none"> - Dr Madaka Tumbo, Tanzanian, University of Dar es Salaam 	
Lunch		
Part V. Climate Change and Gender		Chair
14:00 -14:30	<p>The impacts of Gender inequality on Climate Change Adaptations and the livelihoods of Marginalized Communities around Protected Areas in Tanzania</p> <ul style="list-style-type: none"> - Dr Asanterabi Lowassa, Tanzanian, Tanzania Wildlife Research Institute 	 Keiso Matashane- Marite, ECA
14:30 -15:00	<p>Adaptation strategies of dairy livestock women cooperatives to climate change in Benin Niger and Burkina-Faso (West Africa)</p> <ul style="list-style-type: none"> - Dr Marthe Montcho, Beninese, University of Abomey-Calavi 	
Health Break		
Part VI. Climate Change and Health		Chair

<p>15:10 -15:40</p>	<p>Implementing an early warning system for building communities' resilience to health impacts of climate change in the North of Senegal (IW4HI)</p> <ul style="list-style-type: none"> - Dr Ibrahim Sy, Senegalese, Centre de Suivi Ecologique 	
<p>15:40 – 16:10</p>	<p>Impact of weather variability on aeroallergens and allergic diseases: implication on public health in Nigeria</p> <ul style="list-style-type: none"> - Dr. Dimphna Ezikanyi, Nigeria 	
<p>16:10 - 16:40</p>	<p>Impact of climate change on the transmission risk of malaria in southern Côte d'Ivoire.</p> <ul style="list-style-type: none"> - Prof. Brama Kone, Ivorian, University of Peleforo Gon Coulibaly 	 <p>Dr. Judy Omumbo SAC Member</p>

DAY 3 (23 June 2021)		
Part VI: Climate Change and Settlement/Infrastructure/Ecosystem		Chair
11:00 - 11:30	Strengthening climate adaptation within informal settlements in coastal zones of urban areas <ul style="list-style-type: none"> - Dr Olumuyiwa Adegun, Nigerian, Federal University of Technology 	 Dr. Linus Mofer ACPC
11:30 - 12:00	Building adaptive capacity to cope with effects of climate change on riparian based ecosystems and livelihoods in semi-arid areas of Zimbabwe <ul style="list-style-type: none"> - Dr Olga Laiza Kupika, Zimbabwean, Chinhoyi University of Technology 	
12:00 - 12:30	Predicting synergies and trade-offs of water-related ecological infrastructure for climate adaptation in peri-urban Sub-Saharan Africa <ul style="list-style-type: none"> - Dr Jessica Thorn, Namibian, University of Cape Town: 	
Lunch		
Part VII. Climate Change and Policy		Chair
13:30 -14:00	Advancing REDD+ Implementation in Ghana and Cameroon <ul style="list-style-type: none"> - Dr Dieudonne Alemagi, Cameroonian, University of Ghana 	 Ms. Jennifer Mohamed-Katerere , IUCN, South Africa
14:00 -14:30	Modelling the transition towards a low-carbon economy in the East African Community <ul style="list-style-type: none"> - Dr Anderson Kabila, Cameroonian, Stockholm Environment Institute, Kenya branch 	
14:30 -15:00	Spillover effect of climate change on cattle economy in Côte d'Ivoire <ul style="list-style-type: none"> - Dr Ariane Amin, Ivorian, Centre Suisse de Recherches Scientifiques 	
Health Break		
Part VIII. Reflections		Moderator
15:10 -16:45	Prof. Catherine Ngila <i>Acting Executive Director, The AAS)</i> Prof. Pauline Dube and Prof. Amadou Gaye <i>CR4D Scientific Advisory Committee co-chair, University of Botswana</i> Mr. Ken De Souza <i>Research Manager, Climate, Energy and Water Research Team, FCDO, UK</i> Dr. Joseph Mukabana <i>CR4D-Oversight Board, WMO, Switzerland</i> Mr. Mithika Mwenda <i>CR4D-Institutional Collaborative Platform chair, PACJA, Kenya</i>	Dr. James Murombedzi <i>(Chief, ACPC)</i>
16:45 -17:00	Part IX. Closing Statement Mr. Jean-Paul Adam <i>(Director, ICND, UNECA)</i>	

