



International conference:

GAPSYM14: Africa and its ecologies: people and nature in the age of climate change

Date: 10 December 2021

Venue: online

8h30-9h00: Registration

9h00-9h15: Welcome by the President of the AUGent Africa Platform

9h15-10h00: Keynote lecture: *Africa and its ecologies: people and nature in the age of climate change*, by Tafadzwanashe Mabhaudhi (Centre for Transformative Agricultural and Food Systems, School of Agricultural, Earth and Environmental Sciences, University of KwaZulu-Natal, South Africa)

10h00-11h00: Parallel session 1

	Vermeylen Room	Prior Room
	Chair: Jan Nyssen (Ghent University, Belgium)	<i>Voice and power in the representation of environmental issues and their human rights implications in Africa: A multidisciplinary encounter</i> Chair: Marie-Bénédicte Dembour (Ghent University, Belgium)
10h00	<i>Valley-bottom agriculture in a changing climate and its impact on stream flow and land use in southern highlands, Tanzania</i> Norbert J. Ngowi (Mzumbe University, Tanzania)	<i>Power, voice and representation in the production of evidence at the African Court on Human and Peoples' Rights – A case study</i> Nele Schuldt (Ghent University, Belgium)
10h20	<i>Distributional changes of the snail <i>Bulinus truncatus</i>, intermediate host of <i>Schistosoma</i> spp., in the face of climate change</i> Tim Maes (KU Leuven, Belgium)	<i>Indigenous knowledge traditions and varying epistemologies amongst migrant farmers in Ghana</i> Branwen Peddi (Ghent University, Belgium)
10h40	<i>Climatic change adaptation strategy for dry season amaranth cropping systems in the tropics: A case study from irrigated watermelon (<i>Citrullus lanatus</i>) as live mulch</i> David Ojo (University of Ibadan, Nigeria)	<i>Towards an aesthetics of waste: the representation of social inequality in the Francophone literature of the Indian Ocean islands</i> Sara Buekens (Ghent University, Belgium)



11h00-11h30: Coffee break

11h30-13h15: Parallel session 2

	Vermeyleen Room	Prior Room
	Chair: Marc Heijde (Ghent University, Belgium)	Chair: Luce Beeckmans (Ghent University, Belgium)
11h30	<i>Yangambi's Wood Biology Laboratory: knowledge generation for tropical forest ecology and management</i> Mélissa Rousseau (Royal Museum For Central Africa, Belgium)	<i>Building land resilience in NW Ethiopia: lessons learned from five years of overseas research collaboration</i> Amaury Frankl (Ghent University, Belgium)
11h45	<i>Urgent need to monitor climate change to improve policies and strategies for the sustainable management of tropical forests in the Congo Basin</i> Emmanuel Kasongo Yakusu (Université de Kisangani, DR Congo)	<i>Diurnal cycle of summer rain in the Ethiopian mountains using climatological model data</i> Emnet Negash (Ghent University, Belgium)
12h00	<i>African and Amazonian carbon sinks are diverging: science and policy implications</i> Wannes Hubau (Ghent University, Belgium)	<i>How changes to land cover and hydrological connectivity between 1935 and 2020 affect runoff response in the Tsili catchment (Ethiopia)</i> Kiara Haegeman (Ghent University, Belgium)
12h15	<i>Quantification of miombo woodland deforestation in the Lufira Biosphere Reserve (DRC), an argument for its withdrawal from the World Network of Biosphere Reserves?</i> Yannick Useni Sikuzani (University of Lubumbashi, DR Congo)	<i>Mapping the Humanitarian Emergencies in Tigray</i> Sofie Annys/Jan Nyssen (Ghent University, Belgium)
12h30	<i>Trait-based approach to unravel Pericopsis elata saplings performance under different levels of competition</i> Jean Pierre Ngongo Lushima (University of Kindu, DR Congo)	<i>Studies on students' awareness on climate change education in Nigeria: a case study of the University of Ibadan</i> Olanrewaju Blessing Obeisun (University of Ibadan, Nigeria)



12h45	<p><i>CongoFlux</i> - an eddy covariance flux tower in the Congo basin</p> <p>Pascal Boeckx (Ghent University, Belgium)</p>	<p><i>Ecosystem disruption and zoonoses</i></p> <p>Anthony Denayer (Vétérinaires Sans Frontières, Belgium)</p>
13h00	<p><i>Construction and Evaluation of a Statistical Model of Seasonal Forecast in Cameroon</i></p> <p>Hermann Nana (University of Yaoundé 1, Cameroon)</p>	<p><i>A long-term hydroclimatic history of the eastern Lake Victoria region</i></p> <p>Gijs De Cort/Dirk Verschuren (Ghent University, Belgium)</p>

13h15-14h00: Lunch + poster exhibit

Poster Room 1

- Basile Luse Belanganayi (University of Liège, Belgium): "The wood anatomical structure between two dated marks reveals periodicity of secondary growth of rainforest species"
- Ruben De Blaere (Royal Museum For Central Africa, Belgium): "Smart classification of Congolese timbers: deep learning techniques for enforcing forest conservation – SmartWoodID"
- Brice Djiofack (Royal Museum For Central Africa, Belgium): "Building carbon stocks in regrowing forests in the Congo Basin: opportunities of natural regeneration and planting trees"
- Azubuike Erinugha (Nasarawa State University, Nigeria): "Communicating Effects of Deforestation through *Kar Dare Ya Same Mu* Climate Communication Experimental Short Film in Keffi, Nigeria"
- Félix Laurent (Royal Museum For Central Africa, Belgium): "Vital Rates of Forest Dynamics Driven by Traits: study of the relationship between wood anatomy and vital rates for emblematic species of the Congo Basin rainforests"
- Guenolé Gérard Sidoine Mankou (Université Marien Ngouabi, DR Congo): "How involving wood anatomy in a trait-based ecology of Congo Basin tree species?"

Poster Room 2

- Aristide Akpa (Catholic University of Louvain-la-Neuve, Belgium): "Farmers' perceptions and preferences for climate-smart inland management for rice production in West Africa: Evidence from Benin"
- Ogochukwu Anozie (University of Benin, Nigeria): "Roles of extension agents in climate change adaptation among capture and culture fishers in the Delta South Agro-ecological zone, Delta State, Nigeria"
- Simeon Biodun Bolarinwa (University of Ibadan, Nigeria): "Africa: between climate change, population growth and sustainability"
- Ayodeji Ogunleye (Obafemi Awolowo University, Nigeria): "Impacts of Farmers' Participation in Social Capital Networks on Adoption of Climate Change Adaptation Strategies in Nigeria"
- Ivy Okello (Sokoine University of Agriculture, Tanzania): "Investigating seasonal changes in tsetse and non-tsetse population density, prevalence and drug sensitivity of African animal trypanosomes in Homa-bay, Kenya"
- Paul Martial Tene Tayo (University of Yaounde 1, Cameroon): "Contribution of organic farming tools in the fight against climate change: Effects of two formulations based on Oyster shell and Neem on the production of organic cocoa seedlings in Cameroon"
- Maarten Verschaffelt (Ghent University, Belgium): "Spatio-temporal variability in snowfall and snowmelt in the African mountains"



14h00 – 15h00: Keynote lecture: *Feminist Ecologies of Africa: Tracing the Vernaculars of Liberation of the Gendered Commons*, by Ruth Nyambura Kilonzo (African Ecofeminist Collective, Nairobi, Kenya)

15h00-16h30: Parallel session 3

	Vermeulen Room	Prior Room
	Chair: Ilse Ruysen (Ghent University)	Chair: Pascal Boeckx (Ghent University)
15h00	<i>In pursuit of equity for climate refugees and climate migrants in the Global South: Implications for the Paris Agreement</i> Dumisani Chirambo (Seeds of Opportunity NGO, Malawi)	<i>Climate change effect on planting date and cultivar choice under dryland maize (Zea mays L.) production in South Africa</i> Robert Mangani (University of Pretoria, South Africa)
15h20	<i>Family physician perceptions of climate change, migration, health, and health care in sub-Saharan Africa: an exploratory study</i> Charlotte Scheerens (Ghent University, Belgium)	<i>Climate suitability predictions for the cultivation of macadamia (Macadamia integrifolia) in Malawi using climate change scenarios</i> Emmanuel Junior Zuza (The Open University, UK)
15h40	<i>Climate Change and Migration to South Africa: Exploring the Role of Climate- and Environment-Related Adversities in Mobility Decision-Making</i> Robin Jilesen (University of Pretoria, South Africa)	<i>Improving Smallholder Livelihoods through Third Party Certification in Western Burkina Faso Orchards</i> Parfait K. Tapsoba (University of Abomey-Calavi, Benin)
16h00	<i>Health, access to healthcare and international migration in Africa</i> Els Bekaert (Ghent University, Belgium)	<i>Climate change and cattle production in Nigeria: Farmers' perception of the effects and adaptation strategies in the derived Sahel Zone of Yobe State</i> John Olayinka Makinde (Federal University of Technology, Minna, Nigeria)



16h30-17h00: Coffee break

17h00-18h00: Panel discussion:

- Ruth Nyambura Kilonzo (African Ecofeminist Collective, Nairobi, Kenya)
- Tafadzwanashe Mabhaudhi (Centre for Transformative Agricultural and Food Systems, University of KwaZulu-Natal, South Africa)
- Laurence Defrise (Agriculture & Climate Expert, Belgian Development Agency)
- Moderator: John Vandaele (Mo* Magazine, Belgium)

18h00: Closure