

Conference Program

At Castle Hohenheim

Schloss Hohenheim 1 – 70599 Stuttgart

Day 1

14. September 2023

08:30-09:00	Registration and Arrival [Foyer]
09:00-09:30	Welcome and Opening Remarks [Plenary room] <i>Vice Presidents: Julia Fritz-Steuber / Peter Grathwohl</i> <i>Scientific Committee: Andreas Schweiger / Primrose Beryl</i>
9:30-10:30	Keynote Speech and Discussion: Resilient Agriculture [Plenary room] <i>Veronica Mwangi, University of Nairobi (Kenya)</i>
10:30 – 11:00	Coffee Break [Foyer]
11:00 – 12:55	Parallel Sessions - Resilient Agriculture
	Panel 1: Moderator Sarah Loftus
11:00 – 11:25	Sorghum rhizosphere traits and the phosphorus exploitation strategies in an African iron-rich Acrisol <i>Sara Loftus, Georg-August University of Göttingen (Germany)</i>
11:25 – 11:50	Social networks and usage of climate change adaptation strategies by smallholder farmers in Laikipia County, Kenya <i>Florence Opondo, Laikipia University (Kenya)</i>
11:50 – 12:15	Tree Growing on farmlands in Rwanda: Farmers' preferences for adopting agroforestry in the Eastern Drylands <i>Jean Bosco Nkurikiye, KU Leuven (Belgium)</i>
12:15 – 12:30	High-quality and affordable fish feeds to support the resilience of Beninese fish farmers in a climate change context <i>AP Polycarpe Kayodé, University of Abomey-Calavi (Benin)</i>
12:30 – 12:55	Microbial remediation of overexploited soils in Malawi <i>Sarah Fröbel, University of Hohenheim (Germany)</i>

	Panel 2: Moderator Thomas Daum
11:00 – 11:25	Agro-biodiversity, risks, and resilience. Insights from Burkina Faso and Ghana. <i>Thomas Daum, University of Hohenheim (Germany)</i>
11:25 – 11:50	Below ground exploration of sorghum genotypes to overcome nitrogen limitation in nutrient-deficient tropical soils under drought <i>Rosepiah Munene, Georg-August University of Göttingen (Germany)</i>
11:50 – 12:15	Small ruminant farmers' feeding strategies to cope with climate change across five agroecological zones of Benin (West Africa) <i>Euvrard Gninkplekpo, University of Abomey-Calavi (Benin)</i>
12:15 – 12:30	Mobilizing natural enemies for sustainable plant pests and diseases management <i>James M. Mwangi, Chuka University (Kenya)</i>
12:30 – 12:55	Performance of push-pull system under pigeon pea intensification <i>Sylvia Buleti, Jomo Kenyatta University of Agriculture and Technology (Kenya)</i>
	Panel 3: Moderator Juliet Kariuki
11:00 – 11:25	Agroecology – A guiding concept to lead Africa's food systems transformation? <i>Juliet Kariuki, University of Hohenheim (Germany)</i>
11:25 – 11:50	Effectiveness of drought-based early warning system towards household food security in Makueni, Kenya. <i>Steve Reche, National Drought Management Authority (Kenya)</i>
11:50 – 12:15	Perspectives for sustainable development to subsistent apiculture: the case of Ethiopia <i>Teweldemedhn Gebretinsae Hailu, University of Hohenheim (Germany)</i>
12:15 – 12:30	Agroforestry and permaculture for sustainable development of human and nature <i>Asmelash Dagne Datiko, Gardula Peoples Development Association (Ethiopia)</i>
12:30 – 12:55	Agricultural sustainability with a focus on greenhouse gas emissions of cash crop vs. mixed crop-livestock rotation systems <i>Lisa Matthews, Stellenbosch University (South Africa)</i>
13:00-14:30	Lunch break [Mensa]

14:30-15:30	Keynote Speech and Discussion: Resilient Health and Human Wellbeing <i>Marc Mendelson, University of Cape Town (South Africa)</i> [Plenary room]
15:30-16:00	Coffee Break [Foyer]
16:00 – 17:15	Parallel Sessions - Resilient Health and Human Wellbeing
	Panel 1: Moderator Alexander Haluska
16:00 – 16:25	Low-cost observations for water-air-soil of pesticides/pollutants in African soils using time-integrated samplers (LOWPESTS) <i>Alexander Haluska, Lukas Ude, University of Tübingen (Germany)</i>
16:25 – 16:50	On the impact of climate shocks on gender-related employment: evidence from Central Africa sub-region <i>Christian-Lambert Nguena, University of Dschang (Cameroon)</i>
16:50 – 17:15	The effect of COVID-19 vaccination hesitancy on future malaria immunization campaigns <i>Hamid Reza Oskorouchi, University of Hohenheim (Germany)</i>
	Panel 2: Moderator Maria Oguche
16:00 – 16:25	Minor livestock species for food production in Africa, zoonotic diseases, and One Health – Biological and ethical perspectives <i>Maria Oguche, Universität Hohenheim (Germany)</i>
16:25 – 16:50	Knowledge of the impacts of climate change on malaria prevalence in the upper river region of The Gambia. <i>Ugochinyere Chime, University of The Gambia (The Gambia)</i>
16:50 – 17:15	Household nutritional resilience against climate variability in the Karamoja border region of Kenya and Uganda <i>Caroline Kawira, University of Nairobi (Kenya)</i>
17:30	Closing Words [Plenary room] <i>Scientific Committee: Mizeck Chagunda / Alexander Haluska</i>
18:00 – Open end	Joint Dinner [Wirsthaus Garbe; Address: Filderhauptstraße 136, 70599 Stuttgart]

Day 2
15. September 2023

8:30–9:00	Registration and Arrival [Foyer]
9:00-9:30	Welcome and Summary of the first Day <i>Scientific Committee: Dr. Primrose Beryl / Prof. Dr. Chagunda</i> [Plenary room]
9:30-10:30	Keynote Speech and Discussion: Bio- and Geodiversity <i>Guy Midgley, Stellenbosch University (South Africa)</i>
10:30–11:00	Coffee Break [Foyer]
11:00-12:30	Parallel Sessions - Bio- and Geodiversity
	Panel 1: Moderator Falk Krumbe
11:00 – 11:25	The economic dependency of Ghana’s cocoa sector on pollination services <i>Falk Krumbe, University of Hohenheim (Germany)</i>
11:25 – 11:50	Liana community structure in relation to climatic, edaphic and physiognomic attributes of forests across five forest ecosystem types in Ghana. <i>Bismark Ofosu-Bamfo, University of Energy and Natural Resources (Ghana)</i>
11:50 – 12:15	Efficacy of pilot-scale UV treatment to reduce microbial contamination and occurrence of microbial recovery after treatment in irrigation water sources <i>Gunnar Sigge, Stellenbosch University (South Africa)</i>
12:15 – 12:30	Land use Changes in a changing environmental pattern: Agricultural land Verse Small Scale Gold Mining Trade-off in Ghana <i>Isaac Nunoo, Tropenbos Ghana (Ghana)</i>
	Panel 2: Moderator Gundula S. Bartzke
11:00 – 11:25	The diversity and biomass of savanna ungulates respond differently to land use, resource gradients and drought <i>Gundula S. Bartzke, University of Hohenheim (Germany)</i>
11:25 – 11:50	Genomic copy number variations for adaptation of livestock to climate change in Africa: review <i>Habtamu Goshu, Bio and Emerging Technology Institute (Ethiopia)</i>
11:50 – 12:15	A geochemical baseline study of giant kelp (<i>Macrocystis pyrifera</i>) at the Atlantic Ocean kelp blue farm to assess carbon sequestration potential. <i>Likius Shipwiisho Daniel, University of Namibia (Namibia)</i>

12:15 – 12:30	Carbon stock potential and Allometric models for predicting fruit production of <i>Anacardium occidentale</i> L in the municipality of Ouessa, Burkina Faso <i>Idrissa Sawadogo, University Joseph KI-ZERBO (Burkina Faso)</i>
	Panel 3: Moderator Jörn Pagel
11:00 – 11:25	Plant Functional Traits as Predictors of Species Vulnerability to Multiple Drivers of Environmental Change in the South African Cape Floristic Region <i>Jörn Pagel, University of Hohenheim (Germany)</i>
11:25 – 11:50	The Hidden Oases: Uncovering the Trophic Connectivity of Namib's Fog-Plant <i>Huei Ying Gan, Senckenberg Centre for Human Evolution and Palaeoenvironment (Germany)</i>
11:50 – 12:15	Hidden biodiversity and disease: the case of echinococcosis in Africa <i>Marion Wassermann, University of Hohenheim (Germany)</i>
12:15 – 12:30	Genes under selection in two inverted chromosomal regions of the Western Honey bee (<i>Apis mellifera</i>) <i>Marco Mazzoni, University of Hohenheim (Germany)</i>
	Panel 4: Moderator: Sarah Lena Graf
11:00 – 11:25	Exploring the interrelated dynamics of land tenure, cropping systems and biodiversity through field types <i>Sarah Lena Graf, University of Hohenheim (Germany)</i>
11:25 – 11:50	Safety considerations of seaweed in Senegal: heavy metals hazards <i>Ndeye Coumba Bousso, Ecole Supérieure Polytechnique (Sénégal)</i>
11:50 – 12:15	Addressing agricultural labour issues is key to biodiversity-smart farming <i>Thomas Daum, University of Hohenheim (Germany)</i>
12:15 – 12:30	Effect of <i>Tephrosia vogelii</i> formulation with rabbit urine on insect pests and yield of sesame in Singida, Tanzania <i>Upendo Lekamoi, Nelson Mandela African Institution of Science and Technology (Tanzania)</i>
13:00-14:30	Lunch break [Mensa]
14:30-15:30	Poster Session [Foyer]

	<p>A meta-analysis with systematic review reveals that grain legume integration into the cassava cropping system enhances resilience to climate vulnerabilities in Africa <i>Adam Muhammed Adam, University of Hohenheim (Germany)</i></p> <p>Evaluation of Ethiopian durum wheat (<i>Triticum turgidum</i> L. var. durum) genotypes for drought tolerance at varying sowing density <i>Fikeremariam Awdamet, University of Hohenheim (Germany)</i></p> <p>Evidence gaps in AMR One Health data in Africa: a systematic review <i>Primrose Beryl, University Hospital Tübingen (Germany)</i></p> <p>Isolation and characterization of bacteria with antimicrobial activity from Malawian soil samples <i>Manuel Pufal, University of Hohenheim (Germany)</i></p> <p>Policy performance and stakeholders' perspectives on achieving sustainable food production in Namibia <i>Gideon Mawenge, University of Hohenheim (Germany)</i></p> <p>Utilization of climate-resilient crops for complementary food among agro-pastoralists of Benna-Tsemay district, South-Omo zone, Ethiopia: Qualitative study <i>Derese Desta, Hawassa University (Ethiopia)</i></p>		
15:30–16:00	<p>Coffee Break [Foyer]</p>		
16:30-17:30	<p>Workshop – Parallel Sessions</p>		
	<p>Workshop 1</p> <p>Protocols and procedures in EU-AU research cooperation <i>dba.</i></p>	<p>Workshop 2</p> <p>Capacity Building in EU-AU research cooperation <i>Sintayehu Yigrem Mersh, Hawassa University (Ethiopia) / Christian Brandt, University of Hohenheim (Germany)</i></p>	<p>Workshop 3</p> <p>Integration of African research into European collaboration <i>Ferdinand Adu-Baffour, University of Hohenheim (Germany)</i></p>
17:30	<p>Closing Remarks and Poster Award [Plenary room] <i>Andreas Schweiger / Alexander Haluska</i></p>		

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