



**German-Ethiopian SDG Graduate School:
Climate Change Effects on Food Security
(CLIFOOD)**



**Block Seminar 5
Nutrition and Food Security in the
Context of Climate Change**

Program

26.02.- 5.03.2019

University of Hohenheim, Germany



Deutscher Akademischer Austauschdienst
German Academic Exchange Service





Program

Tuesday, 26.02 2019	
Location: Room HS 4 Schloss Hohenheim 1 (Westflügel), EG	
<i>Scientific leaders: Prof. Dr. Jan Frank/ Institute of Biological Chemistry and Nutritional Science (140), Assistant Director Food Security Center, University of Hohenheim</i> <i>Dr. Samson Gebremedhin Gebreselassie / Associate Professor of Public Health, School of Public Health, Hawassa University , Ethiopia</i>	
8:00 a.m.	<i>Registration</i>
8:15 a.m.	Welcome to CLIFOOD block seminar 5 <i>Dr. Sintayehu Yigrem / CLIFOOD Coordinator at Hawassa University (HU)</i> <i>Dr. Susanne Dreschl-Bogale, Tetyana Tonkoshkur / CLIFOOD Coordinators at FSC/University of Hohenheim (UHOH)</i> <i>Scientific leaders of the block seminar:</i> <i>Prof. Dr. Jan Frank/ Institute of Biological Chemistry and Nutritional Science (140), Assistant Director Food Security Center, University of Hohenheim</i> <i>Dr. Samson Gebremedhin Gebreselassie/ School of Public Health, Hawassa University, Ethiopia</i>
8:45 a.m.	Chair: <i>Dr. Samson Gebremedhin Gebreselassie</i> Sub-theme: Climate change and food and nutrition security Introduction to Human Nutrition <i>Prof. Dr. Jan Frank/ Institute of Biological Chemistry and Nutritional Science (140), Assistant Director Food Security Center, University of Hohenheim</i>
9:30 a.m.	<i>Coffee break</i>
10:00 a.m.	Food and nutrition security <i>Prof. Dr. Hans-Konrad Biesalski / Institute of Biological Chemistry and Nutritional Science (140), University of Hohenheim</i>
11:30 a.m.	Status report by subproject PhD scholar (10 minutes presentations followed by 10 minutes Q and A) Seasonal forecast of weather extremes for improving food security <i>Markos Budusa Ware / Institute of Physics and Meteorology, University of Hohenheim</i>
11:50 p.m.	<i>Lunch break</i>

1:15 p.m.	<p>Global Hunger Index</p> <p><i>Dr. Heinz Peters/ Advisor Agriculture, Energy, Economic Development Team Sector Strategy, Knowledge & Learning, Deutsche Welthungerhilfe</i></p>
	<p>Status reports by subprojects PhD scholars (10 minutes presentations followed by 10 minutes Q and A)</p>
2:30 p.m.	<p>Grain quality characteristics of Ethiopian barley genotypes as affected by climate change</p> <p><i>Mekides Woldegiorgis Gardi/ Institute of Landscape and Plant Ecology (320), University of Hohenheim</i></p>
2:50 p.m.	<p>Grain legumes for climate change and food security</p> <p><i>Tewodros Ayalew Dejene / School of Plant and Horticultural Sciences, College of Agriculture, Hawassa University</i></p>
3:10 p.m.	<i>Coffee break</i>
3:30 p.m.	<p>Robust adaptation strategies to climate change for Ethiopian agriculture – heterogeneity of farming households and the role of social networks</p> <p><i>Alemu Tolemariam Ejeta / Institute of Agricultural Sciences in the Tropics (Hans-Ruthenberg-Institute), University of Hohenheim</i></p>
3:50 p.m.	<p>Seed regeneration of invasive species: germination ecophysiology and woody vegetation encroachment processes in Borana, southern Ethiopia</p> <p><i>Teshome Abate Beza / School of Plant and Horticultural Sciences, College of Agriculture, Hawassa University</i></p>
4:10 p.m.	<p>Assessing the feeding values of potential local feed resources with low enteric methane emission in vivo for improved livestock productivity and sustainable food security in Ethiopia</p> <p><i>Assefa Tadesse Bikila / School of Plant and Horticultural Sciences, College of Agriculture, Hawassa University</i></p>
4:30 p.m.	<p>Lecture: Climate change and child undernutrition in Ethiopia</p> <p><i>Dr. Seifu Hagos Gebreyesus / President, Public Health Officers Association – Ethiopia, Business and Development Director, College of Health Sciences Head, Nutrition Unit, School of Public Health, Addis Ababa University, Ethiopia</i></p>
5:45 p.m.	<i>End of the seminar</i>



Wednesday, 27.03.2019 –Friday, 1.03.2019

Participation at 4th International Congress Hidden Hunger:
Hidden hunger and the transformation of food systems:
How to combat the double burden of malnutrition?

Note: Friday, 1.03.2019

SPECIAL SESSION of the Ministry of Rural Affairs and Consumer Protection of Baden-Württemberg (MLR), University of Burundi, Food Security Center (University of Hohenheim), and the University of Applied Forest Sciences Rottenburg: Burundi

Chair: Stiftung Entwicklungszusammenarbeit Baden-Württemberg (SEZ)

Room: Audimax

- 10:30-10:40 am Welcome speech from Grit Puchan (Ministerial Director, Ministry of Rural Affairs and Consumer Protection of Baden-Württemberg (MLR))
- 10:40-10:50 am Heidi E. Megerle: Water-Energy-Food Nexus – Case study Burundi
- 10:50-11:10 am Aloys Misago: Food security in Burundi – Challenges related to the socio-economic context
- 11:10-11:30 am Sanctus Niragira: Farm household vulnerability and food security challenge in Burundi
- 11:30-12:00 am **PANEL DISCUSSION: Burundi – Baden-Württemberg Partnership: Facing the challenge of food and nutrition security**
Panelists: Grit Puchan, Heidi E. Megerle, Aloys Misago, Pascal Nkurunziza, Andreas Weber, Jan Frank

Saturday, 2.03.2019 – Excursion (CLIFOOD participants)



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Official day of the CLIFOOD Block Seminar

Monday, 4.03. 2019

Location: Room HS 4 Schloss Hohenheim 1 (Westflügel), EG

Scientific leaders:

Prof. Dr. Jan Frank/ Institute of Biological Chemistry and Nutritional Science (140), Assistant Director Food Security Center, University of Hohenheim

Dr. Samson Gebremedhin Gebreselassie / Associate Professor of Public Health, School of Public Health, Hawassa University, Ethiopia

8:45 a.m.	Registration
9:00 a.m.	Chair: <i>Prof. Dr. Jan Frank</i> Welcome <i>Prof. Dr. Jan Frank/</i> Assistant Director of Food Security Center, University of Hohenheim <i>Dr. Tesfaye Abebe Amdie/CLIFOOD</i> Scientific leader Hawassa University, Associate Professor at School of Plant and Horticultural Sciences, College of Agriculture, Hawassa University
9:10 a.m.	Welcome <i>Prof. Dr. Ralf Vögele,/</i> Dean of Faculty of Agriculture / University of Hohenheim
9:20 a.m.	Sub-theme: Improving food and nutrition security Keynote: Improving nutrition through multisector approaches: experience and challenges of Ethiopia <i>Prof. Tefera Belachew Lema, /</i> Human Nutrition Unit, College of Public Health & Medical Sciences/Dean School of Graduate Studies, Jimma University, Ethiopia
10:20 a.m.	<i>Coffee break</i>
10:45 a.m.	The role of gender in food and nutrition security <i>Dr. Friederike Bellin-Sesay/</i> Consultant in the field of food and nutrition security, lecturer and project coordinator
11:45p.m.	Status reports by subprojects PhD scholars (10 minutes presentations followed by 10 minutes Q and A) Effect of dietary interventions in climate sensitive agriculture target villages in Southern Ethiopia on micronutrient status of mothers and children <i>Dagem Alemayehu Ayele /</i> School of Human Nutrition, Food Science and Technology, College of Agriculture, Hawassa University



12:05 p.m.	Protein extraction from cassava leaves for food and feed <i>Haimanot Hailegiorgis Ayele / Institute of Agricultural Sciences in the Tropics (Hans-Ruthenberg-Institute), University of Hohenheim</i>
12:25 p.m.	<i>Group picture</i>
12:35 p.m.	<i>Lunch break</i>
2:00 p.m.	The role of health in nutrition security and malnutrition <i>Prof. Michael B. Krawinkel, MD/ Institute of Nutritional Sciences, International Nutrition, Justus Liebig University Giessen</i>
3:00 p.m.	<i>Coffee break</i>
3:30 a.m.	Keynote: Tackling malnutrition by targeting plant nutrition <i>Prof. Dr. Ismail Cakmak/ Professor of Plant Physiology, Sabanci-University, Istanbul</i>
4:30 p.m.	Project Scale-N: Pocket gardens and nutrition education to improve nutritional and micronutrient status in female small-scale farmers in Tanzania <i>Dr. Wolfgang Stütz/ Institute of Biological Chemistry and Nutritional Science (140), University of Hohenheim</i>
5:30 p.m.	<i>End of the seminar</i>
6:30 p.m.	<i>Official Dinner (at invitation only)</i>



Tuesday, 5.03.2019	
	<p>Location: Room HS 4 Schloss Hohenheim 1 (Westflügel), EG</p> <p><i>Chair: Prof. Dr. Jan Frank</i></p> <p>Sub-theme: Assessing food and nutrition security</p> <p>Core and optional infant and young child feeding indicators and the situation in sub-Saharan Africa</p> <p><i>Dr. Samson Gebremedhin/ Associate Professor of Public Health, School of Public Health, Hawassa University</i></p>
9:00 a.m.	
9:35 a.m.	<p>Linking agriculture development with nutrition, health and education of school age children through school feeding</p> <p><i>Fekadu Reta Alemayehu/ School Director, Academic Center of Excellence for Human Nutrition, Hawassa University</i></p>
10:15 a.m.	<p>Status reports by subprojects PhD scholar (10 minutes presentations followed by 10 minutes Q and A)</p> <p>Agricultural intensification for improving soil health, enhancing food security and climate change adaptation in Southern Ethiopia</p> <p><i>Tigist Yimer Belete / School of Plant and Horticultural Sciences, College of Agriculture, Hawassa University</i></p>
10:35 a.m.	<i>Coffee break</i>
11:00 a.m.	<p>Status report by subprojects Postdoc scholar (15 minutes presentation followed by 15 minutes Q and A)</p> <p>Agro-biodiversity and seed systems of indigenous root and tuber crops in Ethiopia: biological and social adaptive capacity of smallholder farming systems</p> <p><i>Dr. Olango Temesgen Magule / School of Plant and Horticultural Sciences, College of Agriculture, Hawassa University</i></p>
11:30 a.m.	<p>Status reports by subprojects PhD scholars (10 minutes presentations followed by 10 minutes Q and A)</p> <p>Reducing uncertainty in predictions of climate change impacts on agricultural crop production in Ethiopia</p> <p><i>Fasil Mequanint Rettie / Institute of Soil Science and Land Evaluation, University of Hohenheim</i></p>

11:50 a.m.	<p>Challenges, opportunities and adaptation strategies of sorghum production under climate change in southern Ethiopia</p> <p><i>Abera Habte Desta / School of Plant and Horticultural Sciences, College of Agriculture, Hawassa University</i></p>
12:10 p.m.	<p>Control of the weed <i>Strigahermonthica</i> by the fungal biocontrol agent <i>Fusariumoxysporumf.sp. strigae</i></p> <p><i>Williams Oyifioda Anteyi / Institute of Agricultural Sciences in the Tropics (Hans-Ruthenberg-Institute), University of Hohenheim</i></p>
12:30 p.m.	<i>Lunch break</i>
2:00 p.m.	<p>Chair: <i>Dr. Samson Gebremedhin Gebreselassie</i></p> <p>Edible insects as a chance to achieve better Nutrition Security in Sub-saharan Africa</p> <p><i>Nils Nölle/ Institute of Biological Chemistry and Nutrition (140a) / Food Security Centre (FSC), University of Hohenheim</i></p> <p>Maternal and child nutrition among refugees and host communities in Greater Beirut, Lebanon: a focus on hidden hunger and food security</p> <p><i>Joana Abou-Rizk/Institute of Biological Chemistry and Nutrition (140a) / Food Security Center (791), University of Hohenheim</i></p>
2:45 p.m.	<i>Coffee break</i>
3:15 p.m.	<p>Methods and findings of the national food consumption survey in Ethiopia</p> <p><i>Dr. Sara Wuehler/ Senior Technical Advisor for Nutrition Information Systems, Nutrition International, Ottawa, Canada</i></p> <p>Video conference</p>
4:30 p.m.	<p>Conclusions and closing remark</p> <p><i>Scientific leaders: Prof. Dr. Jan Frank, Dr. Samson Gebremedhin Gebreselassie</i></p>
4:45 p.m.	<i>End of the seminar</i>