

Welcome

Dear participants of the Tropentag 2026 conference,

We are delighted to welcoming you at Tropentag 2026. This year, the conference is held at the University of Göttingen under the theme “Towards multi-functional agro-ecosystems promoting climate-resilient futures”. It is jointly hosted by the universities of Göttingen and Kassel (Witzenhausen).

The annual Tropentag conference has become a unique forum for scientific dialogue and exchange, uniting senior and early-career scientists, practitioners, policymakers, and students who share a commitment to advancing knowledge and solutions for sustainable agriculture, food security, natural resource management, and rural development in the tropics.

Challenges we face. Agriculture as developed after the Second World War (WWII) is at the center of global land-use change. It is considered a major contributor to the global environmental crisis. The latter is triggered by anthropogenic climate change, biodiversity loss, excessive consumption, pollution, and land and soil degradation.

At the same time, agriculture and forestry shape food systems and rural livelihoods. They are also directly and indirectly affected by accelerated climate change and related extreme weather. These effects are often negative. Increasing resource limitations create additional pressures. Together, these developments threaten global environmental sustainability and rural livelihoods at large.

To meet these challenges of the Anthropocene, planetary health must be reconciled with sustainable yet productive agriculture. Measures are also needed to strengthen societal cohesion. This includes respecting the dignity of individual farmers and all other members of rural communities.

Means and pathways. Such reconciliation requires approaches that can enhance food security while adapting to and mitigating climate change. They should also improve soil fertility, available water resources, and other ecosystem functions and services. Not least, they should strengthen rural communities and economic development.

We consider multi-functional agro-ecosystems and related climate adaptations and mitigations as necessary means to change towards the promotion of a more climate-resilient future in the near- and long-term.

In this context, Tropentag 2026 examines how agriculture, forestry, and other land-use systems in the Global South can contribute to sustainable development. It also explores how they can support future agro-ecosystems that are more resilient than the current ones. These systems face multiple stresses triggered by the

projected climate, environmental, and socio-economic changes. The conference will highlight interdisciplinary research on multi-functional systems that integrate all important ecological, economic, and social dimensions.

As 2026 is the International Year of Rangelands and Pastoralists, particular attention will be given to pasture-based livestock systems.

Solutions. Participants will synthesize and distil knowledge from the presentations. They will identify which of the proposed means and pathways appear promising in promoting climate-resilient futures in the short- and long-term. Oral and poster presentations and discussions on these will be organised under six key thematic areas. Details are presented on the following pages.

We are especially pleased to welcoming the many early-career researchers from more than 70 countries with a high diversity of disciplinary backgrounds, who will contribute their perceptions, creativity and fresh ideas to this year's conference. Their perspectives, alongside those of experienced scientists and practitioners, exemplify the diversity and the intergenerational dialogue that are vital for shaping fair, sustainable and resilient futures.

We are grateful to our partners and sponsors for their invaluable support, and wish you all a stimulating and fruitful conference!

Sincerely yours,

Reimund Rötter
Eva Schlecht
Andreas Buerkert
Christian Hülsebusch
Simone Pfeiffer
Eric Tielkes

Tropentag 2026 Organising Committee

Göttingen and Witzenhausen, September 2026

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Overview keynotes



Dr. Ir. Eric Smaling

Wageningen University & Research, The Netherlands and International Fertilizer Development Center (IFDC)

Title of presentation: Managing soil fertility in Africa – why, where, how, and by whom?



Dr. Serena Ferrari

Centre de coopération internationale en recherche agronomique pour le développement (CIRAD), Ethiopia

Title of presentation: Assessing the multifunctionality of pastoralism: A holistic framework for resilient rangelands



Dr. Lulseged Tamene Desta

Director of Multifunctional Landscapes CGIAR Science Program, Kenya

Title of presentation: Multifunctional landscapes for climate-resilient futures: Connecting food, nature, livelihoods and governance at scale



Dr. Alice Laborte

Geospatial Scientist at International Rice Research Institute (IRRI), Philippines

Title of presentation: Transforming Asia's rice systems: Integrated pathways to climate-resilient, low-emission, and inclusive futures



Prof. Dr. Patrick Roberts

Max Planck Institute of Geoanthropology, Germany

Title of presentation: Living *with* forests: insights from the past into land 'use' for climate resilient ecosystems and futures

Overview poster & online presentation sessions

Wednesday, 16.09.2026

Poster presentation session P1 | 16:45-17:30

1c. Agronomy and soil fertility I.....	27
1e. Agroforestry and plantation systems (esp. coffee and cocoa) I	27
1f. Large ruminant systems and dairy I.....	28
2b. Adapting agriculture to a changing climate I.....	29
3a. Food and nutrition security I	29
4a. Institutions, finance, and productivity in agricultural value chains I	30
4b. Gender and youth I.....	30
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5f. Biodiversity conservation and restoration I	31
Online 1a /1d. Abiotic stress and innovation in smallholder cropping systems....	32
Online 2a. Risks and impacts of climate change	32
Online 3a. Food and nutrition security.....	33
Online 5a. Remote sensing applications	33

Poster presentation session P2 | 17:45-18:30

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1c. Agronomy and soil fertility II.....	34
1e. Agroforestry and plantation systems (esp. coffee and cocoa) II	35
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3a. Food and nutrition security II	36
4a. Institutions, finance, and productivity in agricultural value chains II	36
4b. Gender and youth II.....	37
5a. Remote sensing applications	37
5c. Agroecology, conservation, and restoration in farming landscapes II	37
Online 1e /1f. Livestock systems.....	38
Online 2b. Climate change mitigation	38
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Online 5b /5c. Biodiversity conservation and agroecology	40

Thursday, 17.09.2026**Poster presentation sessions P3 | 08:30 – 09:15**

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1h. Camelids and small ruminants	42
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2a. Risks and impacts of climate change	43
4c. Rethinking agricultural extension through knowledge co-creation I	44
5e. Value chain development for neglected and underutilised crops	44
5f. Biodiversity conservation and restoration II	45
6a. Digitalisation and AI	45
Online 1b. Crop health under climate variability: pests, pathogens, and agroecological solutions	46
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Online 4c. Gender, youth and agricultural extension.....	47

Poster presentation sessions P4 | 17:15 – 18:30

1b. Crop health under climate variability: pests, pathogens, and agroecological solutions	56
1i. Sustainable and resilient poultry production	57
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4c. Rethinking agricultural extension through knowledge co-creation II	59
5d. Crop / tree genetics and conservation	60
6b. Data-driven technologies and innovations for climate-resilient agro-ecosystems	60
Online 1h /1i. Camelids, small ruminants and poultry	61
Online 1c. Agronomy and soil fertility	61
Online 1e. Agroforestry and plantation systems (esp. coffee & cocoa).....	62
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Online 7e. CGIAR Gender Equality and Inclusion Accelerator: Gender equality and inclusion in food, land, and water systems by 2050: Projections and solutions	63

Overview oral presentation sessions

Thursday, 17.09.2026

Oral presentation sessions I | 10:30 – 12:00

1a. Innovation and resilience in smallholder cropping systems ZHG 009.....	48
1f. Large ruminant systems and dairy + invited presentation ZHG 008.....	49
2a. Risks and impacts of climate change ZHG 006	49
4a. Institutions, finance, and productivity in agricultural value chains ZHG 007.	50
7a. CGIAR Science Program on Multifunctional Landscapes: Towards multi-functional agro-eco-systems promoting climate-resilient futures ZHG 011	50
7b. BMFTR session: The Indo-German Science and Technology Centre (IGSTC): The Indo-German Science and Technology Centre (IGSTC): Funding opportunities and Tropentag-related projects ZHG 010.....	51

Oral presentation sessions II | 13:30 – 15:00

1b. Crop health under climate variability: pests, pathogens, and agro-ecological solutions ZHG 009.....	51
1g. Livestock forages, feeds and feeding ZHG 008.....	51
2b. Adapting agriculture to a changing climate ZHG 006	52
3a. Food and nutrition security ZHG 011	52
5a. Remote sensing applications ZHG 007	53
7d. BMLEH Session: Exploring ways to strengthen resilience and health of humans, animals and crops – presentation and discussion of project results ZHG 010.....	53

Oral presentation sessions III | 15:30 – 17:00

2c. Climate change mitigation ZHG 006.....	54
3b. Inclusive food systems and livelihoods ZHG 011	54
4b. Gender and youth ZHG 009	54
5b. Biodiversity conservation, restoration and value chain development for underutilised crops ZHG 008.....	55
6a. Digitalisation and AI ZHG 007	55
7c. BMZ session: Science and innovation for women farmers: Pathways to climate-resilient, multifunctional agri-food systems ZHG 010.....	56

Friday, 18.09.2026

Oral presentation sessions IV | 09:00 – 10:30

1c. Agronomy and soil fertility | ZHG 007 66

1e. Agroforestry and plantation systems (esp. coffee and cocoa) | ZHG 010 66

3c. Food quality | ZHG 011 66

4c. Rethinking agricultural extension through knowledge co-creation | ZHG 008 67

5c. Agroecology, conservation, and restoration in farming landscapes | ZHG 006 67

5d. Crop / tree genetics and conservation | ZHG 009 68

Good to know



Registration desk & conference office

The conference office with the registration is located in the entrance hall on the ground floor of the ZHG (Central lecture hall building, Platz der Göttinger Sieben 5).



Address:

Georg-August-Universität Göttingen
Platz der Göttinger Sieben 5
37073 Göttingen
Germany
GPS coordinates 51.541222, 9.935688

E-Mail: info@tropentag.de

Opening hours of the conference office: Tuesday – Friday between: 08:00 – 19:00

You can come here any time in case of questions or suggestions.



Luggage storage

Luggage can be stored at your own risk in the lecture hall ZHG 003 about 100 m from the registration area free of charge. Please ask at the info point.



Online programme

You can find the conference programme also on the whova application:
https://whova.com/portal/webapp/trope_202609



Coffee breaks

Coffee, tea and water are available free of charge at the coffee stations located in the foyer on the ground floor of ZHG.



Lunch

Lunch can be purchased at the university canteen, the Zentralmensa, located only in 100 m distance from the ZHG (see map below).

Please note: Payment in the Zentralmensa is only possible without cash. You can pay with giro card, credit card, Google-Pay or Apple Pay. Prices vary but usually do not exceed 8 euros per meal (excluding drinks).

Alternatively, you can find several restaurants, cafés and fast-food places in the Weender Landstraße in the city centre located in 500 m distance from the ZHG.



Any question? Do ask the persons at the registration desk or the persons wearing the Tropentag T-shirts!

Student reporters

Also this year, the TROPENTAG student reporters will be reporting live from the conference on various social media channels - TROPENTAG blog, Flickr, Instagram, YouTube, Facebook...

<http://blog.tropentag.de/>

<https://www.flickr.com/photos/tropentag/>

https://www.instagram.com/atsaf_ev/

<https://www.youtube.com/@atsaf>

<https://www.facebook.com/atsafev>

What you should know about the oral and poster presentations

Oral presentations

All oral presentations should be uploaded until 15.09.2026 23:59 to:

<https://owncloud.gwdg.de/index.php/s/6zWNXtFACWZn4b5>

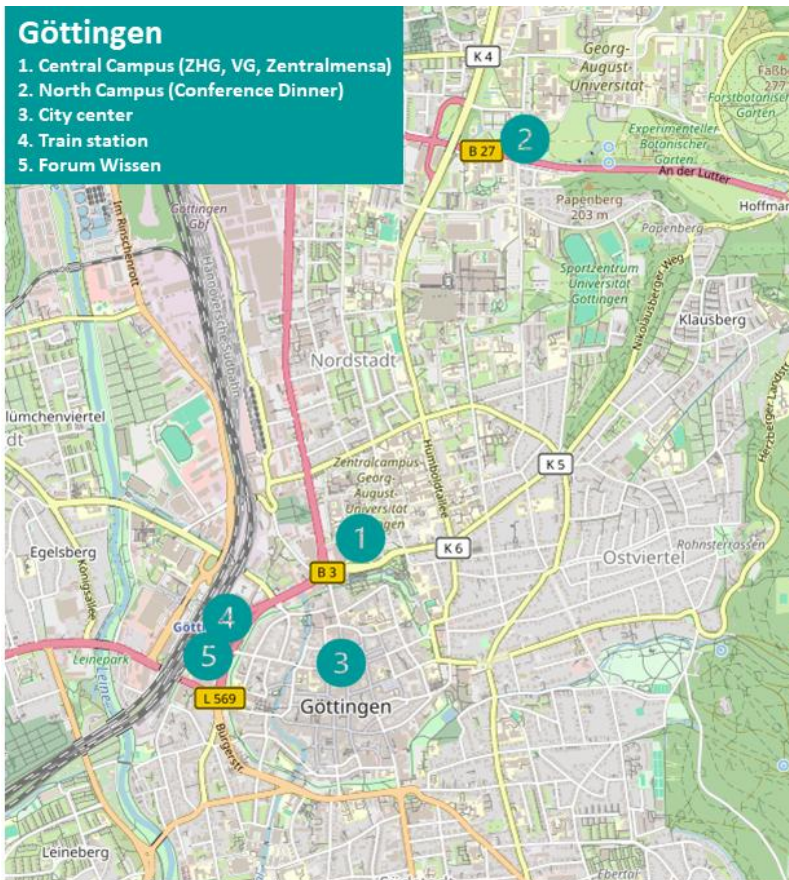
Presentations will be accepted only as **MS Powerpoint presentations or stand-alone presentations (PDF or JPG, 16:9 aspect ratio recommended)**. In order to ensure a correct presentation, we recommend showing the presentation as a PDF. All presenters must keep the planned maximum 10 minutes of presentation time. A chairperson in each session will ensure that the time schedule is kept.

Poster & online presentations

The guided poster presentations will be held in the conference tent. The poster presenter should shortly introduce the poster / outline the main message in not more than 3 minutes; subsequently, there will be time for a short discussion. Be prepared for your poster session. Please make sure to hang your poster immediately after registration. An ID and Name will indicate the Place to hang your poster.

All online sessions can be followed via the whova application, and these sessions will also be streamed in ZHG.

Overview Map of Göttingen



Address conference venue (ZHG): Platz der Göttinger Sieben 5, 37073 Göttingen

Tourist Information Office

Tourist-Information Göttingen (www.goettingen-tourismus.de)

Markt 8

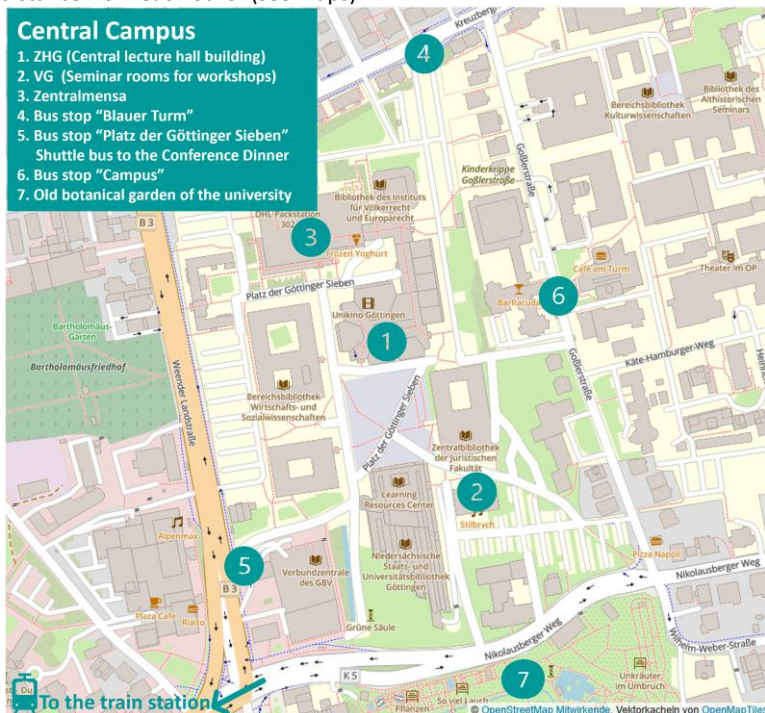
37073 Göttingen

Mo - Fr: 10:00 – 18:00

www.germany.travel/en/cities-culture/goettingen.html

Conference Venue / Map Central Campus

The conference venue consists of two different locations at the Central University Campus – ZHG (1) and VG (2) - both within two minutes walking distance from each other (see maps):



You can walk between train station, central campus and city centre.

Public transportation in and around Göttingen

A German webpage to plan your public transport is available at: <https://www.goebv.de/> -> go to Fahrplanauskunft

You can purchase single-ride bus tickets (for €2,60) directly from the driver—cash only. Each ticket is valid for 90 minutes for travel from point A to point B. Alternatively, a day ticket for one person costs €6.40, valid only that day. If you're traveling around Göttingen with the same group (2, 3, 4, or 5 people), discounted group day tickets are available. Ask the bus driver

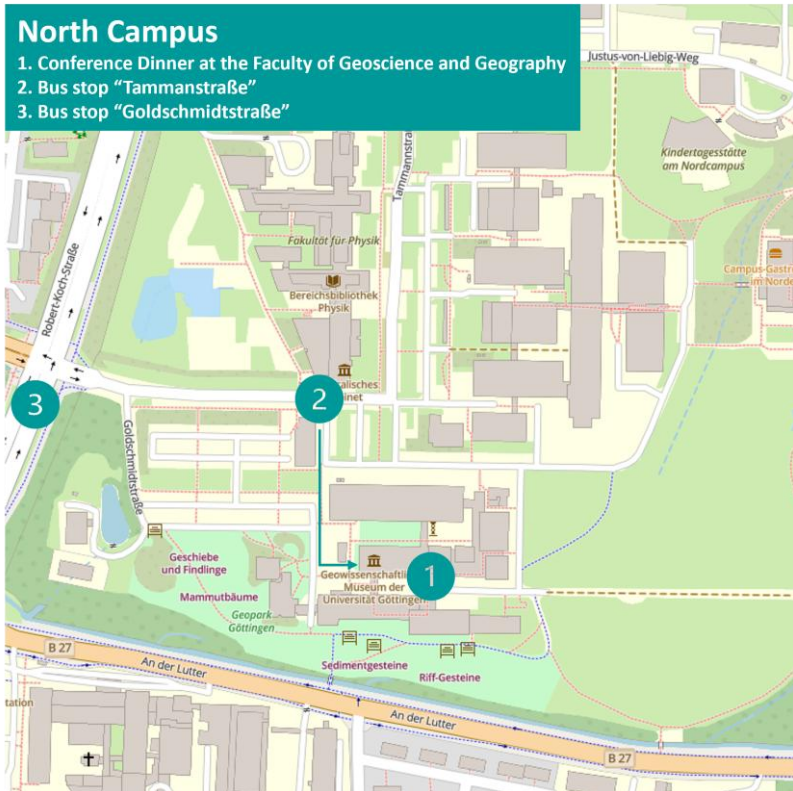
The closest bus stops around the central campus are:

Bus stop "Blauer Turm" (No. 21, 22, 23)

Bus stop "Platz der Göttinger Sieben" (No. 21, 22, 23, 31, 32, 34, 180, 185)

Bus stop "Campus" (No. 91, 92)

Map North Campus



Shuttle bus to and from the conference dinner

departure to the North Campus at 18:30 and at 19:00 from bus stop "Platz der Göttinger Sieben"

departure to the city center at 21:30, 22:00 and at 22:30 from the bus stop „Tammanstraße“ to bus stop "Platz der Göttinger Sieben"

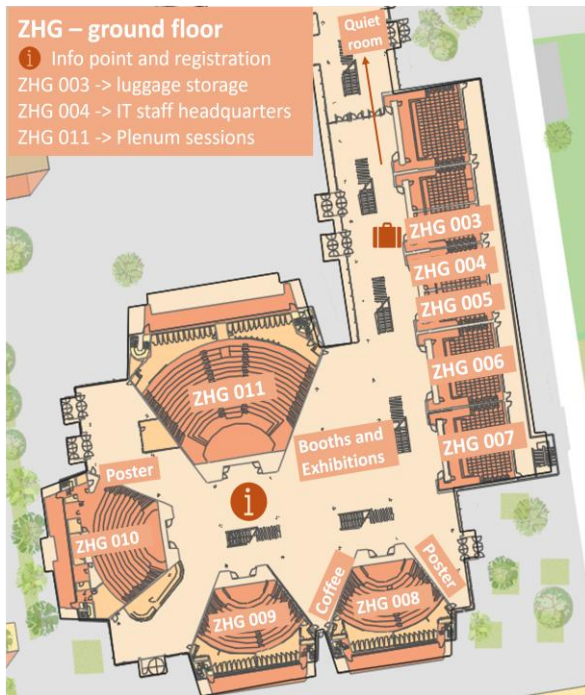
Also **public transport** is available from "Platz der Göttingen Sieben"

at 18:24 (bus 22), 18:42 (bus 22), and 19:12 (bus 21) to "Goldschmidtstrasse"

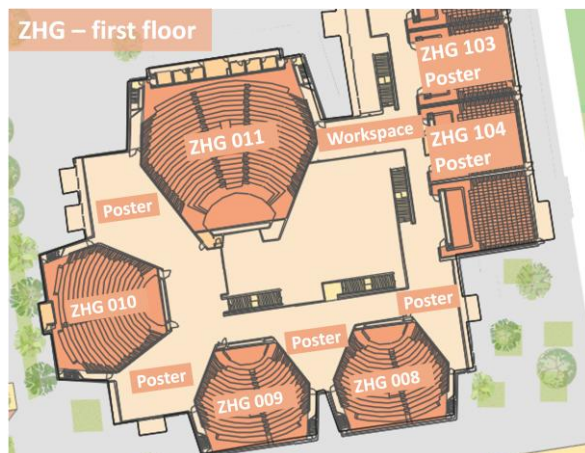
From the North Campus to the city center at 21:24 (bus 22), 21:54 (bus 21), at 22:24 (bus 22), 22:54 (bus 21), and last bus at 23:24 (bus 22)

The walking distance from the Central Campus to the Faculty of Geoscience and Geography, Goldschmidtstrasse 1-3, North Campus is in total 2.6 km (35 min).

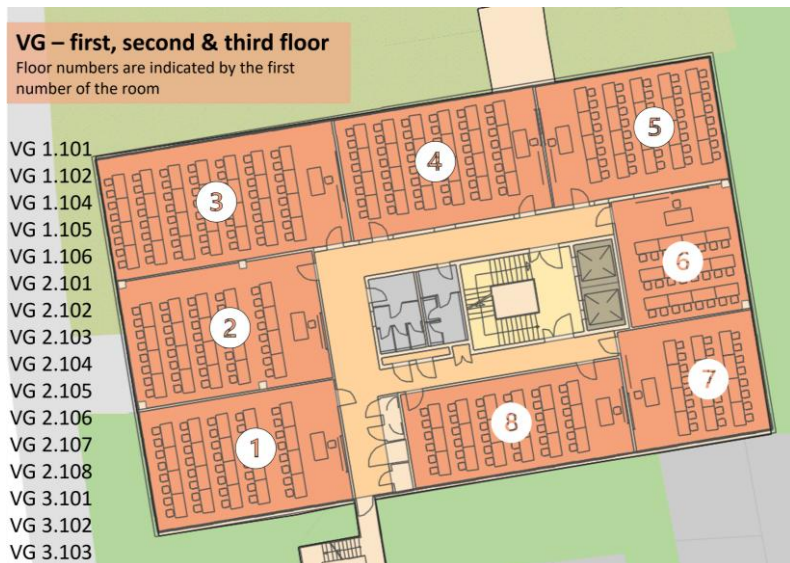
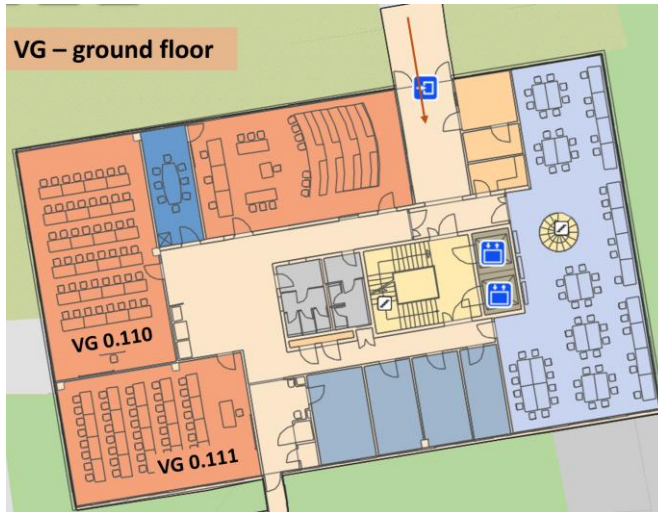
ZHG Central lecture hall building – Ground floor



ZHG Zentrales Hörsaalgebäude – First floor



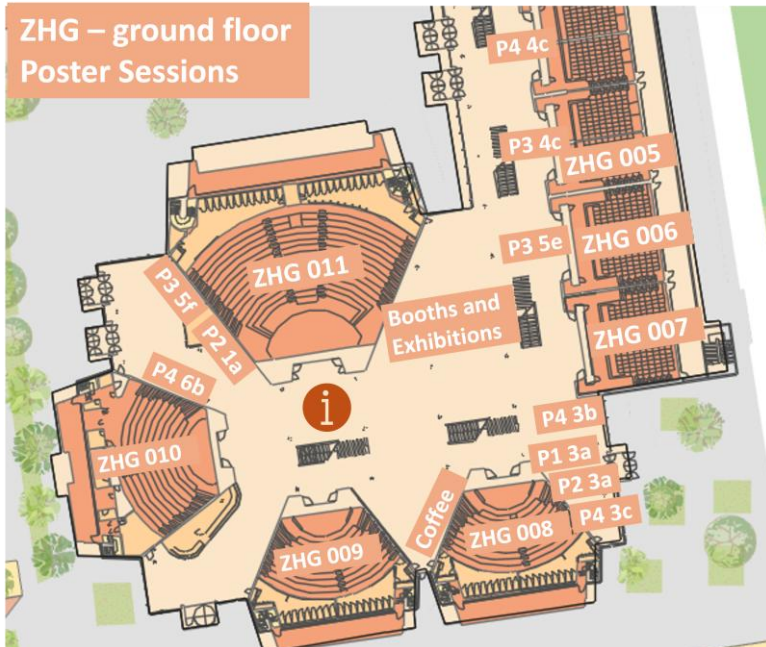
VG Building with seminar rooms (workshops)



Address: Platz der Göttinger Sieben 7, 37073 Göttingen

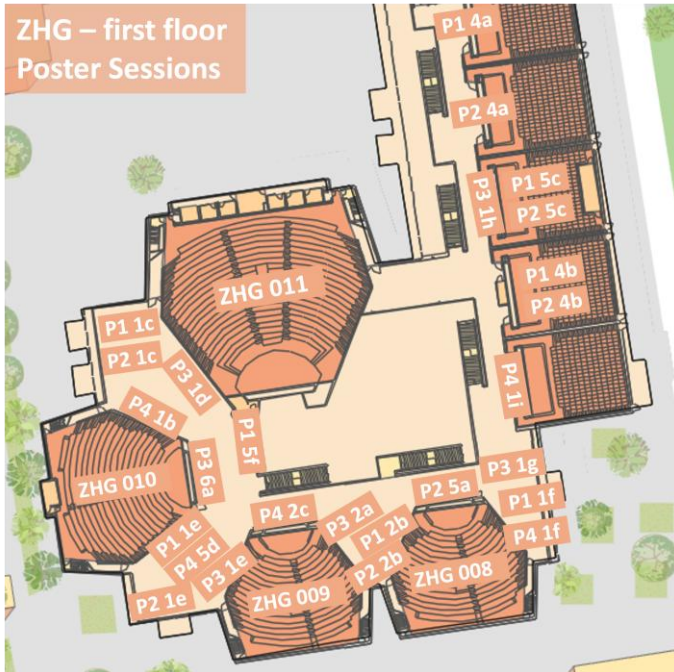
Group meeting rooms available - (please contact the info point if you want to book this room for a group meeting).

Overview of poster sessions ground floor



- 1a. Innovation and resilience in smallholder cropping systems
- 3a. Food and nutrition security I + II
- 3b. Inclusive food systems and livelihoods
- 3c. Food quality
- 4c. Rethinking agricultural extension through knowledge co-creation I + II
- 5e. Value chain development for neglected and underutilised crops
- 5f. Biodiversity conservation and restoration II
- 6b. Data-driven technologies and innovations for climate-resilient agro-ecosystems

Overview of poster sessions first floor



- 1b. Crop health: pests, pathogens, and agro-ecological solutions
- 1c. Agronomy and soil fertility I + II
- 1d. Crop responses to abiotic stress in field and controlled environments
- 1e. Agroforestry and plantation systems (esp. coffee & cocoa) I + II + III
- 1f. Large ruminant systems and dairy I + II
- 1g. Livestock forages, feeds and feeding
- 1h. Camelids and small ruminants
- 1i. Sustainable and resilient poultry production
- 2a. Risks and impacts of climate change
- 2b. Adapting agriculture to a changing climate I + II
- 2c. Climate change mitigation
- 4a. Institutions, finance, and productivity in agricultural value chains I+ II
- 4b. Gender and youth I + II
- 5a. Remote sensing applications
- 5c. Agroecology, conservation, and restoration in farming landscapes I + II
- 5d. Crop / tree genetics and conservation
- 5f. Biodiversity conservation and restoration I
- 6a. Digitalisation and AI

**Fifth Edition of Perspectives on Pastoralism Film Festival at
Tropentag 2026 | Tuesday 15.09.2026, 18:30 – 21:30 CEST |
Wednesday 16.09.2026 | 19:00 – 22:00 | ZHG007**

This year the Perspectives on Pastoralism Film Festival coincides with the United Nation's International Year of Rangelands and Pastoralists - 2026. The grassroots initiatives that led up to the creation of this year include a "Gender and Pastoralism" subgroup that did the first round of selection of films including pastoralist women, allies and scholars from all around the world.

For the TT26, we have selected films from this collection along with new films highlighting the 2026 Global Gathering of Pastoralist Women in Kathmandu. This global gathering offered an opportunity for pastoralist women to increase visibility of their contributions to extensive livestock production while networking and building international solidarities.

This film festival was started in 2019 with the vision of creating a space in which films created by pastoralists would be given priority, and films demonstrating more equitable relations would be given priority. For the first time, we will screen a film made by film festival founder Ann Waters Bayer. She is a pioneer in participative methods and bottom-up innovation practices in agricultural research and has been an active ally to pastoralists for nearly a half century. Also for the first time, we will screen an in-progress film Jireen - Sharing Land, through which the filmmakers explain what steps they are taking to decolonise the filmmaking process together with an agro-pastoral community.

Each evening of the film festival includes films that celebrate women pastoralists. For example, Tuesday includes a film introducing pastoralist women leaders in their communities in Kenya, Kyrgyzstan, and Spain. There are a number of short films that were collaboratively created by women pastoralists across the world together with filmmakers and academics as part of the preparation for the Kathmandu Global Gathering and reflection afterwards. These films create a stage from which an individual pastoralist woman can put forward the points that are most important to her. Country-specific networking and mutual solidarity between women pastoralists can be seen in films both nights of the film festival, on Tuesday with the Hungarian Pastoralist Women's Group and on Wednesday with Ganaderas en Red, from Spain.

Each evening of the film festival also includes films made by women filmmakers that demonstrate why livestock mobility is important. These films show how it can be a sustainable strategy for producing livestock in environments with variable availability of vegetation over space and time. Too often, shepherding, herding, ranching, and pastoralism more generally are viewed as a male endeavor. The women featured in this film flip the narrative and make their work visible.

The Perspectives on Pastoralism Film Festival (www.pastoralistfilmfestival.com) is organised on behalf of the Coalition of European Lobbies for Eastern African

Pastoralism (CELEP) by DITSL (German Institute for Tropical & Subtropical Agriculture), Agrecol Association for Agriculture & Ecology and Vétérinaires Sans Frontières (VSF) Belgium.

Programme

Tuesday, September 15th, 18:30 – 21:30*

Title of film	Duration	Country of filming	Filmmakers	Production Year
Part 1 18:30 – 19:10				
<i>Jireen</i> - Sharing Land	Variable	Ethiopia	Echi Gabbert and Ginno Ballo	In-progress
Part 2 19:20 – 21:30*				
Pastoral development and gender	3:27	United Kingdom	Saverio Krätli (IIED)	2023
Transhumance: the seasonal droving of livestock	21:20	Albania, Andorra, Austria, Croatia, France, Greece, Italy, Luxembourg, Romania, Spain	Francesca Passetti (UNESCO)	2023
Living in the mountains of Ladakh, India	3:05	India	Patrick Augenstein (Univ. of Bonn)	2023
Enchukunoto (The return)	15:52	Kenya	Laissa Malih (Reciprocity Project)	2024
Pastoralist Series 4: Sadi Ahmed	2:08	Somalia	VSF Belgium & CELEP	2019
Maira (Colombia) Political representation of pastoralist women, care and labour	2:07	Colombia	Maira Alejandra Quintero Brito and Brittany Bunce	2026
Reversing, reviving, regenerating: pastoralist women restoring rangelands in Kenya, Kyrgyzstan, and Spain	15:56	Kenya, Kyrgyzstan, and Spain	Fiona Flintan (ILRI)	2022

Let's woman up - Darrylin Gordon, pastoralist, Lamboo Station, Kimberley	6:42	Australia	Gisela Kaufmann & Karsten Orlt (Visible Farmer Project)	2020
Time of Hungarian women herders	14:48	Hungary	Nikolett Csányi (HVG)	2023

Wednesday, September 16th, 19:00 – 22:00*

Part 3: 19:00 – 20:50				
Pastoralist Series 5 - Ann Waters Bayer	02:10	Germany	CELEP	2019
Pasto raiz pasto semilla (Root pasture seed pasture)	39:29	Argentina	Mariana Quiroga Mendiola	2023
Djoudé Issa Demo (Benin): Pastoralist Women, Economy, Livelihoods and Working Conditions	2:53	Benin	Brittany Bunce and Djoudé Issa Demo	2026
Fulani Dairywoman	19:00	Nigeria	Ann Waters-Bayer and Asma'u	1984
Why a Global Gathering: Hear from Pastoralist Women	7:56	Global	Djoudé Issa Demo, Ainhoa López, Maria Guadalupe Molina Siller, Lászlóné Sáfián, Alena Gerasimova, Fozia Noor, Dintle Maphala, Bhavana Desai, Saodata Abubacrine and Brittany Bunce	2026
Byambagerel Baatar (Mongolia)- Visibility, Recognition and Rights of Pastoralist Women	2:24	Mongolia	Brittany Bunce	2026
Part 4: 21:00 – 22:00				
<i>Mujeres de viento, tierra y ganado</i> (Women of wind, earth & livestock)	55:00	Spain	<i>Ganaderas en Red</i>	2023

The exhibitors

You will find the exhibitors in the ZHG Foyer on the ground floor:

- University of Göttingen (Faculty of Agricultural Sciences, Faculty of Forest Sciences and Forest Ecology, GFA, CBL, Alumni e.V., joint work with the University of Kassel)
- Federal Ministry for Economic Cooperation and Development (BMZ) and GIZ
- Federal Ministry of Food and Agriculture (BMELH) and BLE
- Federal Ministry of Research, Technology and Space (BMFTR) and DLR
- ATSAF e.V. and University of Bonn
- Weltweit – Gesellschaft zur Förderung lokaler Initiativen e.V.
- Ecoselva e.V.
- Global Alliance for Rangelands and Pastoralists
- Cuvillier Verlag, Göttingen

Meet the pastoralists! Tropentag 2026 photo exhibition

Over half the world's land surface is rangeland, where grazing animals can produce food and much more without needing fossil-based energy. Yet pastoralists – the people who care for these animals – are rarely seen or given recognition and support for their work. The United Nations proclaimed 2026 as the International Year of Rangelands & Pastoralists (IYRP) in order to raise awareness of the vital importance of rangelands and pastoralism for the livelihoods of hundreds of millions of people who maintain sustainable food systems and safeguard biocultural diversity.

The Global Alliance for Rangelands and Pastoralists (GA4RP), which campaigned for IYRP2026, presents this collection of images of pastoralism in all inhabited continents to give Tropentag 2026 participants an opportunity to appreciate the lives and work of pastoralists – old, young, men, women – who are showing the way toward a climate-resilient future.

We thank the photographers, all of whom made their photos available to GA4RP free of charge to show in this exhibition and to share via our website <https://iyrp.info>. We also thank the University of Göttingen for making this exhibition possible.

For more information come talk with us at the IYRP booth in the ZHG Foyer.



Photo: by Cordula Kelle-Dingel.

Programme overview Tuesday 15.09.2026

11:30-14:00 *Lunch break* *Zentralmensa*

13:30-19:00 *Pre-registration of participants* *ZHG*

14:00-18:00 Pre-conference workshops

W9: Making better photos of research in and on landscapes and agriculture | **VG 1.105**

W11: Conserving Landraces, Building Landscapes: Lessons from Karnataka's Policy and Field-Based Approach to Agroecological Transformation | **VG 0.111**

W12: Systems literacy for transformative outcomes at scale | **VG 1.104**

W15: From field data to programme decisions: Participatory agrobiodiversity assessment for scalable interventions in Sahelian farming systems (DATAR + R, Niger case) | **VG 1.102**

W16: Fincas Sostenibles — A Decision Game on Sustainability Trade-offs in Coffee Smallholder Systems | **VG 2.102**

W17: Farmer Managed Natural Regeneration (FMNR): A community-led approach to restoring landscapes, livelihoods and climate resilience | **VG 3.102**

W18: Science policy communication | **VG 1.105**

W23: Promoting low-cost biochar and briquette production for methane reduction and environmental quality improvement | **VG 2.104**

W24: Co-creating Gender-Transformative (Agro)biodiversity Research: Methods, Intersectionality, and Field Insights | **VG 2.103**

W25: Sharing or sparing: Modelling future pathways for multifunctional agricultural systems in the tropics with CLUinPy – a hands-on training | **VG 2.106**

W26: Decolonial and Ecofeminist Post-Disaster Solidarity in Beutong Ateuh, Aceh, Sumatra: Locally Led Initiatives, Diasporic Collaboration and Principles of Mutual Aid as a Practice of Redistribution | **VG 3.101**

W29: Integrating AI into Empirical Workflows: Data Analysis with R in Agricultural Economics | **VG 2.107**

W30: Smallholder Dairy Farmers, Pasture Biodiversity and Productivity | **VG 3.103**

18:30-21:30 *Side event: Fifth Edition of Perspectives on Pastoralism Film Festival at TT26 Theme: Celebrating Women Pastoralists* *ZHG 007*

Programme overview **Wednesday 16.09.2026**

from 08:30 Registration of participants ZHG

08:30-11:30 Pre-conference workshops

W0: Film Viewing Session – Tropentag 2026 - a selection of short research films
| **ZHG 007**

W4: Towards Multifunctional Landscapes and Resilient Communities: the process, opportunities and challenges | **VG 1.104**

W5: Food Sovereignty at the Core of a Food System Transformation for Nature and People – Our Role as Agroecology Scientists in the Global South | **VG 2.102**

W6: Designing Gender-Responsive Socio-Technical Innovation Bundles (STIBs) for Climate-Resilient Agrifood Systems: The why, what and how | **VG 1.106**

W10: From Demonstration to Transformation: Integrated Solutions for Water, Food, Agroforestry & Ecosystems in the Mediterranean | **VG 1.102**

W13: From Research to Practice: Strengthening Soil Health in Temperate and Tropical Agricultural systems | **VG 0.111**

W14: Participatory research through decolonial lens: Process, Power, and Positionality | **VG 1.105**

W19: Using bottom-up spatial-decision support systems to foster nature-based solutions in degraded tropical landscapes | **VG 3.103**

W20: Enhancing Resilience of Multi-Functional Maize Smallholder Systems in the Tropics. A side event of the DFG Research Unit MultiStress RU 6101 (in-person) | **VG 2.106**

W21: From Research to Results: Findings from and for Sustainable Land Management in sub-Saharan Africa (in-person) | **VG 2.101**

W22: African German Centre for Sustainable and Resilient Food Systems and Applied Agricultural and Food Data Science (UKUDLA) (in-person) | **VG 2.103**

W33: Engaging rural youth in Farmer Field Schools and practice research (in-person) | **VG 3.102**

W28: Can circular food resources safely transform ruminant feeding in the Global South? Exploring the potential of machine learning approaches | **VG 2.104**

W31: From science to social movement - why and how agroecology is used in development cooperation | **VG 1.101**

10:00-10:30 Coffee and tea break ZHG Foyer

WEDNESDAY 16.09.2026

11:30-13:00	<i>Lunch break</i>	<i>Zentralmensa</i>
	Plenary – Welcome to Tropentag	ZHG 011
	<i>Streaming of the Plenary (Whova App)</i>	
13:00-13:25	Opening and setting the scene	
13:25-14:00	Keynote speech by Dr. Ir. Eric Smaling and discussion	
14:00-14:45	Hans H. Ruthenberg Award for Graduates 2026	ZHG 011
14:45-15:15	<i>Coffee and tea break</i>	
15:15-16:00	Hermann Eiselen Science Award	
16:00-16:35	Keynote speech by Serena Ferrari and discussion	
16:35-16:45	<i>Mobility break</i>	
16:45-17:30	Guided poster sessions P1	page 27
17:45-18:30	Guided poster sessions P2	page 34
18:30-22:00	<i>Apéro / Social gathering</i>	<i>ZHG Foyer</i>
19:00-20:30	Meet & Greet: discussion rounds of junior scientists with keynote speakers	TBA
19:00-22:00	Pastoralist film-festival part II	ZHG 007
19:30	ATSAF e.V. members assembly (hybrid)	ZHG 006

Plenary session Wednesday 16.09.2026

13:00-13:25

Welcome addresses and opening | ZHG 011Moderation: **PROF. DR. REIMUND P. RÖTTER**, University of Göttingen**PROF. DR. BERNHARD BRÜMMER**, Vice-President for Research and Sustainability, University of Göttingen**PROF. DR. REIMUND P. RÖTTER**, University of Göttingen**PROF. DR. ANDREAS BUERKERT**, University of Kassel**PROF. DR. EIKE LUEDELING**, ATSAF, University of Bonn

13:25-14:00

Keynote speech and discussion | ZHG 011**DR. IR. ERIC SMALING**

Wageningen University & Research, The Netherlands and International Fertilizer Development Center (IFDC)

**Managing Soil Fertility in Africa – why, where, how, and by whom?**

Eric Smaling (1957) is a specialist on integrated soil fertility management in Africa. He has a PhD from Wageningen University, The Netherlands and was a full professor there and at ITC/University of Twente. He also served as a member of parliament in The Netherlands for 10 years. Currently he manages development programs in Africa for IFDC, and runs a foundation in Kenya (www.rarevrienden.org).

14:00-14:45

Foundation fiat panis | ZHG 011Chair: **DR. ANDREA FADANI**, Foundation *fiat panis*, Ulm**Hans H. Ruthenberg Award for Graduates 2026:**

ELIZABETH GILL (University of Hohenheim) | *Genomic Prediction Models for Accelerated Potato Breeding in the Andean Highlands* | supervisor PROF. DR. BETTINA HAUSSMANN

MARIE HAAS (Justus Liebig University Giessen) | *Applying the Positive Deviance Approach to disseminate family-invented uncommon solutions for overcoming malnutrition in rural Madhya Pradesh, India* | supervisor PROF. DR. GUDRUN KEDING



LETIZIA ZULIANI (ETH Zürich) | *Assessing Agroecology in Small-Scale Cocoa Production Systems in São Tomé: From Indicator Co-development to Measurement* | supervisor PROF. DR. JOHANNA JACOBI

14:45-15:15

Coffee and tea break

15:15-16:00

Hermann Eiselen Science Awards

Chair: **DR. ANDREA FADANI**, Foundation *fiat panis* Ulm, Germany

DR. MUHAMMAD SHAHEDUL ALAM (Justus Liebig University Giessen) | *Developing ozone-tolerant rice (*Oryza sativa* L.) through marker-assisted breeding for enhancing food security in air-polluted environments* | supervisor PROF. DR. MICHAEL FREI

VIVIEN HÜLSEN (University of Göttingen) | *Urbanization, changing food environments, and dietary quality: insights from Malawi* | supervisor PROF. DR. MATIN QAIM

DR. KIRA FASTNER (University of Kassel) | *Rural-Urban Linkages in West Africa* | supervisor PROF. DR. ANDREAS BUERKERT

16:00-16:35

Keynote speeches and discussion |

ZHG 011

**DR. SERENA FERRARI**

Centre de coopération internationale en recherche agronomique pour le développement (CIRAD), Ethiopia

**Assessing the multifunctionality of pastoralism:
A holistic framework for resilient rangelands**

Serena Ferrari is a socio economist at CIRAD. She specializes in the field of pastoralism and value chain approaches, focusing on the impact that value chains have on a given (agro)pastoralist territory, particularly in terms of sustainable development, livelihoods, and reducing inequalities. She is based in Addis Ababa, Ethiopia.

Guided poster sessions P1 – 16:45-17:30

1c. Agronomy and soil fertility I

ZHG first floor between ZHG 010 and ZHG 011

Chair: João Vasco Silva

- 253| AMSALU NEBIYU WOLDEKIRSTOS | Integrated farmers' perceptions and field evidence of land degradation and soil fertility decline in southwest Ethiopia
- 792| MASABO JEAN LUC TUYISENGE | Decoupling soil quality improvement from short-term crop productivity in tropical agroecosystems
- 207| KENING LIU | Soil health responses to tillage, residues, and manure in potato rotation systems in Peru
- 764| CHIKE ONYEKA MADUEKE | From village to region: soil micronutrient dynamics across scales in northern Ghana
- 206| LUDGER HERRMANN | The DeclaRe geospatial toolbox for West Africa: Land evaluation, micronutrients and more
- 726| ENOCH OPOKU | Potential of perennial legumes for restoration and reutilization of small-scale gold mined sites in Ghana
- 326| ADARSH SHARMA | Enhancing organic wheat productivity through land configuration and optimized nitrogen management in sub-humid Rajasthan
- 434| EMMANUEL NGONGA | Integrating tropical soil-calibrated pedotransfer functions with Sentinel-1 backscatter for soil moisture retrieval in soybean and maize systems in Zambia
- 312| BURKHARD WILSKE | Biochar-based fertilizer can decouple smallholder farm economy from global market disturbances
- 925| JYOTHILAKSHMI PRADEEP | From diagnosis to action: A bibliometric assessment of land degradation neutrality research and the gap in soil and land management solutions (2013-2026)

1e. Agroforestry and plantation systems (esp. coffee & cocoa) I

First floor between ZHG 009 and 010

Chair: DEOGRATIAS KOFI

AGBOTUI

- 808| BYRON REYES | Assessing zero deforestation agreements outcomes in Colombia's beef and dairy and cocoa supply chains
- 616| LEONIE SCHURR | Silvopastoral systems in Brazil's Cerrado: Motivations and abilities of farmers
- 117| STEFAN BURKART | Economic, environmental, and social impacts of silvopastoral systems: Evidence and scaling pathways from Colombia
- 486| HILDA KEGODE | The impact of on-farm fuelwood production on collection time in agroforestry systems: panel evidence from Rwanda
- 64 | AFUA AMPONSAH AMANKWAH | Forest conservation practices: Insights of local communities near wildlife-protected areas in Ghana
- 892| KISTEN MEUER | Enhancing landscape multifunctionality in a biosphere reserve through agroforestry and non-timber forest product domestication

- 21 | VINDHYA PRASAD TEWARI | Agroforestry for promoting climate-resilient future and building pathways for food security & sustainable livelihoods
- 559 | GAUTHIER FERRIER | Diversity, synergies and trade-offs between stakeholders' demands towards tree-related ecosystem services
- 842 | MITIKU AYELE HANDISO | Optimising harvesting frequency of *Moringa stenopetala* for biomass yield, nutritional quality and food security in Ethiopia
- 391 | JAMILA SMANALIEVA | Apricot farming and processing in Central Asia: Challenges and perspectives
- 675 | JOEL LEANDRO QUEIROGA | Benefits of agroecological agroforestry systems as perceived by family farmers for adding value to products
- 491 | RACHAEL WOOD | The cocoasoils core trials: Setup and early growth in 10 large-scale on-station cocoa nutrient response trials

1f. Large ruminant systems and dairy I

First floor ZHG 008 and ZHG 105

Chair: EVA SCHLECHT

- 815 | ANDREAS ERASTUS | Institutional arrangements and livestock mobility in communal rangelands: Evidence from Kavango East and Omaheke, Namibia
- 316 | BRIGITTE NEEMA BORA | Antibiotic stewardship and antimicrobial resistance profiles in livestock farming in South Kivu (DRC)
- 868 | LEA LUDWIG | Regenerative rangeland management in practice: Evidence from a commercial cattle farm in central Namibia - A case study
- 358 | GONZAGA SSEKIBAALA | Factors affecting the success of community-based bull breeding programs: Evidence from the regional pastoral livelihood resilience project in Uganda
- 625 | IPANGELWA TRESIA | Rangeland governance, grazing access and livestock management in semi-arid Namibia: Evidence from Eiseb communal conservancy
- 408 | ROLAND MUGUMYA | Can climate-smart livestock practices increase milk yield of dairy cattle in the Tropics? Evidence from sub-Saharan Africa
- 189 | MATEO PAZOS | Gender, labour, and sustainable technologies in Amazonian dairy systems: Evidence from Colombia
- 735 | BRAJA SWAIN | Crop–livestock integration and smallholder livelihood resilience in South Asia
- 481 | SARAH ROBI WAMBURA | Governing the new pastoral commons: Property rights and institutional dynamics in Kenya's transforming rangelands
- 502 | NICOLAS GARCIA CUBILLOS | Grazing management on communal land: Information and decision-making in an agro-pastoral system in northern Namibia

2b. Adapting agriculture to a changing climate I

First floor between ZHG 008 and ZHG 009

Chair: REIMUND P. RÖTTER

- 26 | MUHAMMAD UZAIR JAVED | Salinity stress enhances secondary metabolite production in *Fagonia indica*: Insights for climate-resilient medicinal plant resources in dryland ecosystems
- 53 | SONNY GAD ATTIPOE | Climate information services and extension systems: Access, constraints, impact, and future outlook for rural cocoa farmers in Ghana
- 132 | YOSEPHINE AVI AYU REMBULAN | Factors influencing adaptation practices among small-holder farmers in multi-hazard regions: Evidence from Bali, Indonesia
- 402 | FAITH KUDZAI CHIHUMBIRI | Who adapts and how? Household-level inequalities in coping and adaptation within WEF-nexus in drought-prone Namibia
- 466 | DILIA DIAZ | Community capitals as enabling conditions for climate adaptation of rural livelihoods in northern of Guatemala
- 816 | CHRISTIAN BUNN | Embedding climate services in coffee smallholder realities: A broadened conceptual framework for effective interventions
- 585 | ASHIQ PARAMBIL-PEEDIKA | Birds over benches, middle over rich: Rethinking who pays for climate-resilient blue-green infrastructure and why
- 822 | FELIX GANTER | Supporting community-based climate change adaptation by a low-cost microclimate observation network in the northern Ecuadorian Andes
- 480 | ADETOMIWA KOLAPO | Contextualising the marginal returns of regenerative agriculture on maize performance under climate change in Nigeria

3a. Food and nutrition security I

Ground floor between ZHG 008 and ZHG 007

Chair: LIESBETH COLEN

- 264 | JANE ROSETTE NABIKYU | Does nutrition information increase consumer acceptance of black rice? Evidence from a cluster randomised controlled trial
- 787 | CELINE TERMOTE | Understanding smallholder readiness for nutritious food systems in Kenya: A domain-sensitive assessment
- 98 | JEREMY GRATTON | Displacement, food insecurity, and loss of traditional ecological knowledge among the Batwa of southwestern Uganda
- 622 | ANNA KÜLLMER MATAS | The potential of participatory approaches in school-based prevention of non-communicable diseases in Mexico
- 646 | EVE CHAKACHA | School meal programme models and food environments in semi-arid region, Kilifi county, Kenya
- 410 | SOPHIA BOHN | Roots of resilience: Exploring the impact of agroforestry on food security in western Rwanda
- 441 | BERUK BERHANU DESALEGN | A systematic review of nutrition-sensitive agriculture research in Ethiopia: Implications for food systems transformation
- 203 | JENNIFER KLAUS | Decision making in institutional food systems: Insights from university canteens on plant based menus and sustainability

4a. Institutions, finance, and productivity in agricultural value chains I

First floor in front of ZHG 101

Chair: SUBHRANSU PATTHAIK

- 540 | SCOTT EDWARD AGYEMANG | Towards multi-functional agro-ecosystems: Multi-actor collaboration as a driver of demand for agricultural technologies
- 797 | ERICH FRIOL GIMENES | Governance challenges of school meals programmes as a tool for family farming development: A study case from three Brazilian municipalities
- 798 | FEDERICO MENNA | Beyond compliance: Food security and governance in South Africa's table grape sector
- 349 | ANDREA CAVICCHI | Enabling access to climate-smart irrigation technologies: Institutional feasibility of collective finance in Mount Kenya
- 664 | VICTOR OGADA | How do microcredit interventions impact agricultural risk management strategies among smallholder farmers? Review of African evidence
- 412 | CARLA BALDIVIESO | Environmental governance in the Paraguayan humid Chaco and Pantanal: State and indigenous narratives on grassland and savannah conservation, 2000-2025
- 715 | SARAH APPIAH | Group-based aquaculture systems in Ghana: A collective action assessment
- 538 | KOMANG TRI WIJAYA KUSUMA | The numbers we want to see: Reporting bias in community mangrove restoration in Indonesia
- 921 | KOUETE PAUL JIMMY | Farmer centered multi stakeholder platforms for agroecological innovations and markets: Insights from Burkina Faso and Senegal
- 436 | MORINE ANYIM | Digital credit governance in Kenya: Is the borrower a silenced subject?

4b. Gender and youth I

First floor ZHG 104

Chair: TINA BEUCHELT

- 12 | INNOCENT MUHWEZI | An intersectional analysis of gender equality and climate change vulnerabilities capacities and policy gaps in sub-Saharan Africa
- 568 | CHIARA BRUNI | Barriers and enablers to women smallholder farmers' adoption of agricultural innovations in Rwanda
- 113 | THOMAS FALK | The gendered game: Effects of experiential learning on decision-making and water saving in India
- 904 | SADIKA HAQUE | Women's empowerment and climate adaptation in agro-food systems: Challenges and opportunities for inclusive resilience
- 407 | ANUSHA DE | Gender-based discrimination in service provision: Evidence from maize agro-input dealing in Uganda
- 187 | MATEO PAZOS | Women's participation in the forage seed market in Vietnam: Progress and barriers

5c. Agroecology, conservation, and restoration in farming landscapes I

First floor ZHG 103

Chairs: TOBIAS PLIENINGER & CLAUDIA HEINDORF

- 304| MARCELO INACIO DA CUNHA | Institutional change grounded in socio-bioeconomies for leaving no one and no forest behind in Amazônia?
- 857| ISAAC BALUME | The socioeconomic performance of agroecology case of DR Congo, Burundi, and Cameroon in Central Africa
- 885| HARUTO HONDA | Spatial incentives to upscale the benefits of tree islands in small oil palm plantations in Indonesia: Evidence from a spatially explicit coordination game
- 140| JOHN AWENVA | How actor networks enable agroecology transitions: Comparative insights from Tolon and Savelugu districts, northern region, Ghana
- 141| ALCIDO ELENOR WANDER | Regenerative agriculture and eco-efficiency: An on-farm study in Goiás, Brazil
- 416| NICOLAS KLAS | What do smallholders value in a reforestation project? Evidence from a choice experiment in Madagascar
- 490| ZANETA KUBIK | Do trees grow better on certified land? Evidence from a smallholder programme in Madagascar
- 752| MARCOS LANA | Implicit principles, explicit gaps: Systemic design for multifunctional agro-ecosystems

5f. Biodiversity conservation and restoration I

First floor between ZHG 011 and ZHG 010

Chair: SIMONE PFEIFFER

- 651| IRENE AWINO OJUOK | Vegetation structure and diversity under farmer managed natural regeneration: A comparison of silvo-arable and silvo-pastoral systems in Kenya
- 86 | NICOLE ACOSTA-VASCONEZ | Expansion of invasive plant cover in the rural highlands of Galapagos
- 111| NICOLAS LARA-RODRIGUEZ | Shaping future forest conservation in Latin America: A systematic review of potential other effective area-based measures
- 834| AXEL GUALDONI-BECERRA | Aridity drives woody plant functional spaces across land-use gradients in the Dry Chaco Forest
- 875| WILSON MOZENA LEANDRO | Edaphic attributes in the cultivation of organic medicinal plants in Itapuranga, Goiás, Brazil
- 361| BENEDIKT SPANIER | A millennium of anthropogenic impact: Sedimentary biomarker evidence from Lake San Pablo, Ecuador
- 917| ANNA MIRIAM HORSCH | Microclimatic variability in diversely used landscapes of the northern Ecuadorian Andes: An exploratory investigation of the sites Atahualpa and Mojanda
- 920| JEIMY KATHERIN FEO MAHECHA | Understanding the wildfire risk landscape: Implications for forest ecosystem conservation in Tolima, Colombia
- 298| VALERY NDAGIJIMANA | Ecosystem restoration and social cohesion interlinkages: The case study of western Rwanda

- 544| ABIOLLA ROBERTSON KEVIN AMOUSSOU | Deforestation-driven changes to hydrological dynamics in West Africa: A systematic review

Online 1a / 1d: Abiotic stress and innovation in smallholder cropping systems

Streaming in ZHG 006

Chair: N.N.

- 637| SUNIL BHANDARI | Growth and yield evaluation of marigold (*Tagetes erecta*) landraces at Bhaktapur, Nepal
- 334| VICTOR ADELODUN DIEKADE | Grain yield and quality trait responses of Bambara groundnut (*Vigna subterranea* (L.) Verdc) to drought stress
- 655| BINDUSREE KARNATI | Radiation-use efficiency, cumulative light interception, and crop senescence dynamics as physiological traits for wheat resilience under heat and drought stress
- 11 | FATIMA WOURRO | Survival first, biomass later: Trade-offs shaping dryland restoration outcomes in the Sahel
- 685| WENMANEGDA ELIE JUMEAU DIPAMA | Factors explaining the adoption of water-saving strategies by irrigators in Burkina Faso

Online 2a: Risks and impacts of climate change

Streaming in ZHG 009

Chair: JIALI CHENG

- 110| YONAS TESFAY | Analysing the combined drought index using geospatial technology in the Tigray region, northern Ethiopia
- 180| GHAITH ALI | Modelling the impact of climatic variability and heat stress on olive productivity in Lattakia, Syria
- 222| DIEN PHAM | Behavioural heterogeneity, inequality, and household resilience to shocks: Evidence from Vietnam
- 453| AKUA FORIWAA KWARTENG | Climate variability and cocoa vulnerability in West Africa: Projection and reality
- 546| FUNMILAYO MARY OLOYEDE | Plant growth rate and photosynthetic capacity of selected Nigerian indigenous and underutilised leaf vegetables under drought- and heat-stress conditions
- 709| AUDREY KANTZ DOSSOU CODJIA | Biogeophysical and biogeochemical feedbacks of West African land use change: A systematic review
- 721| FRANZISKA BRUNDELL | From climate projections to action: A risk assessment framework for resilient economic zones in Africa
- 898| BISWARANJAN BARAJ | Impact of climate change on paddy yield in rainfed agriculture system
- 916| SADEGH RAHMANI | Influence of power dynamics on multi-level governance of climate adaptation in the water sector of Khuzestan, Iran

Online 3a: Food and nutrition security

Streaming in ZHG 008

Chair: MICHAEL DOLAPO ADESOKAN

- 39 | ADESOLA ADEBOLA IKUDAYISI | Multisector drivers of healthy diet costs and gender disparities in Africa
- 307 | SARAH ANGELLA MIREMBE | Women's participation in the rice value chain and household dietary diversity: Empirical evidence from eastern Uganda
- 500 | ELINA MUHOMBA | Association of food environment and hypertension risk factors in Dar es Salaam, Tanzania
- 610 | RUCHIRA BOSS | Layered food security: the public distribution system and indigenous food system practices in Nagaland, India
- 640 | SHAMSURRAHMAN HAMDARD | The impact of economic and environmental shocks on household food security and sustainability in Afghanistan
- 791 | SIYANE DERESSA | Understanding the right to adequate food through children's voices: A qualitative study with street-connected children in Ethiopia
- 866 | SHELTER MANGWANYA | A global systematic review of the water–energy–food (WEF) nexus in advancing sustainable and resilient agrifood systems

Online 5a: Remote sensing applications

Streaming in ZHG 007

Chair: THANH THI NGUYEN

- 106 | THIAGO CASTRO DE OLIVEIRA | Environmental survey of rural properties in Goiás: The use of remote sensing as a governance instrument
- 576 | FAUSTIN AMBOMO TSANGA | Leveraging deep learning with very high resolution satellite imagery to map *Faidherbia albida* (DEL.) trees, and support agroforestry decision-making in northern Cameroon
- 357 | GABRIELLA VIVES RIVERO | Using unmanned aerial vehicles to identify and quantify aquatic macrophytes in shallow lakes of the Amazon region
- 469 | ABUELGASIM MUSA | The flash-flood paradox: Digital twin modelling of hydro-climatic regime boundaries for climate-resilient agro-ecosystems in South Africa
- 235 | MORENA MAPURU | Validation of remotely sensed drought indices from Google Earth Engine using in situ observations
- 509 | TSIHOARA EUGENE FARATIANA | Spatiotemporal dynamics of informal sharecropping and ecosystem degradation in the Ankarafantsika national park peripheries, Madagascar
- 661 | JONATHAN RARIVOSON | Mapping soil moisture and organic carbon with Landsat 8 for productivity assessment in Boeny, Madagascar
- 691 | SOLOFOMAMPIONONA RADO RAKOTONARIVO | Monitoring post-fire vegetation recovery using AUV: A successional analysis from the Ankarafantsika national park Madagascar
- 197 | ASABENEH ALEMAYEHU MUNUYEE | Analysing the drivers of land use change from forest to agriculture in Ethiopia
- 743 | MARIE-CHARLOTTE BUISSON | Do water bunds work? Remote sensing-based impact evaluation and pastoral community voices on soil and water conservation in Kenya

Guided poster sessions P2 – 17:45-18:30

1a. Innovation and resilience in smallholder cropping systems

Ground floor between ZHG 011 and ZHG 010

Chair: ANDREAS BUERKERT

- 696 | MAMEDEE M KAMARA | Adoption of climate-smart agricultural practices among smallholder farmers in northern Thailand: The role of socioeconomic and institutional factors
- 722 | FRANCIS ODUOR | Beyond awareness: Structural barriers to regenerative agriculture adoption among smallholder bean farmers in Embu county, Kenya
- 549 | ANISA ABDUL REHMAN | Beyond formal interventions: indigenous agricultural practices and water use efficiency (WUE) among smallholders in South Punjab, Pakistan
- 269 | FELIX FRIMPONG | Restoring ecological integrity through agroforestry: Survey insight from Ghana's forest fringe communities
- 275 | MONICA A. OMONDI | Circular bioponics for African indigenous vegetables using waste-derived and mineral fertilisers
- 87 | DESALEGN TEGEGNE | Integrating solar-based irrigation and vermicompost using living-lab approach: Effects on yield, soil, and livelihoods, Ethiopia
- 645 | STEFAN HAUSER | Root yield and response to tillage of three improved cassava varieties introduced to Liberia

1c. Agronomy and soil fertility II

First floor between ZHG 010 and ZHG 011

Chair: JOÃO VASCO SILVA

- 389 | CHARLES OKYERE | Are farm households willing-to-pay for organic soil amendments? The case of biochar and compost in northern Ghana
- 251 | AYOTUNDE KOLAWOLE | Farmers' perception of low-cost biochar technology as a nature-based solution for improving soil health in southwest Nigeria
- 508 | WINNIE NTINYARI | Biochar and covering as optimisation strategies for cattle manure composting: Trade-offs in gaseous emissions and safety
- 461 | SONJA LEITNER | Evaluating manure management interventions for fertiliser quality and zoonotic pathogens in pig manure, Uganda
- 116 | LAWRENCE MONAH NDAM | Multifunctional cover crops for sustainable intensification: Agronomic performance, weed suppression and soil quality in Cameroon
- 893 | ERIC OPPONG DANSO | Enduring gains in maize yield and soil hydraulic function from cocoa pod husk compost in Ghana
- 599 | ADEMOLA ADEBIYI | Can compost increase grain yield more than inorganic fertiliser in maize-sorghum rotational systems in southwestern Nigeria?
- 308 | DEREBE ERMIAS CHEFEBO | Does integrated soil fertility management improve the food security of Ethiopian farmers? Empirical evidence in the context of climate change
- 569 | PHIMANAN KONGTONKUN | Agronomic practices and sugarcane biomass burning affect PM2.5 emission and soil fertility in Thailand

1e. Agroforestry and plantation systems (esp. coffee & cocoa) II

First floor between ZHG 010 and ZHG 009

Chair: MARTIN WIEHLE

- 836| MELISSA MORCOTE MARTINEZ | Climate-resilient cacao: The role of innovation channels and long-term research, insights from a Bolivian case
- 522| JOEL LEANDRO QUEIROGA | Agroecological agroforestry system designed for more efficient use of irrigation water by family farmers
- 282| MILLICENT OGENDI | Growth, yield and water use of vegetable cowpea (*Vigna unguiculata*) grown in bucket lysimeters for crop coefficient determination
- 796| KATJA KEHLENBECK | Shade effects on okra and eggplant growth and productivity in fruit-tree agroforestry systems, Kenya
- 809| CHRISTIAN BUNN | A global coffee drought index monitor
- 565| SAI ANURAG NANDAGIRI | Macaúba: Multi-criteria spatial assessment of alternative oil crop production systems in Brazil
- 373| MARIO CONTRERAS-FLEURY | Baseline complexity shapes multifunctional trade-offs in Latin American tropical crops
- 671| AUNG MYINT MYAT | Drought tolerance of dominant tree species in mixed deciduous forests of Myanmar
- 445| JEAN CORNEILLE NGONO ENDELI | From monoculture to regeneration: evaluating regenerative oil palm systems in Côte d'Ivoire
- 765| META LEONIE BOLLER | Blockchain-enabled sustainability certification in coffee: Assessing opportunities and risks via expert consensus

2b. Adapting agriculture to a changing climate II

First Floor between ZHG 009 and ZHG 008

Chair: REIMUND P. RÖTTER

- 261| TUALAR SIMARMATA | Integrating azolla, pruning, and ratoon systems within circular agricultural bioeconomy for sustainable, climate-adaptive rice farming
- 274| VICTOR ONYANGO | Climate resilience through sustainable rangeland management catalysed by effective early warning: Cross-border region within IGAD
- 93 | THOMAS FALK | Can experiential learning enhance perceived behavioural control for climate adaptation? Experimental evidence from rural Namibia
- 477| ANN SOPHIE BERNARD | Effects of irrigation scheduling on soil moisture and water use efficiency in quinoa
- 404| WAQAR UL HASSAN TAREEN | Determinants of livestock management adaptation to perceived climate change among agro-pastoralists of the Koh-e-Suleiman range, Pakistan
- 432| PEREZ L. KEMENI KAMBIET | Perception, personality and behavioural pathways to agricultural transformation under climate risk
- 810| SUBHRANSU PATTHAIK | Certification, climate risk, and farmer vulnerability: Evidence from coffee systems in Rwanda
- 633| PAUL ABAYOMI SOBOWALE SOREMI | Comparative adaptive responses of improved and indigenous lowland rice to water management under Nigeria's derived-savannah
- 827| VIVIAN KWAWU | Land tenure insecurity and the adoption of sustainable practices in rice production systems in Ghana

3a. Food and nutrition security II

Ground floor between ZHG 008 and ZHG 007

Chair: LIESBETH COLEN

- 557 | GUDRUN B. KEDING | Ultra-processed food consumption in Cambodia in a changing food environment
- 310 | JOSHUA MULOI | Regenerative agriculture and dietary outcomes among smallholder farmers in Kenya
- 59 | ALCIDO ELENOR WANDER | The evolution of rice and bean consumption in Brazil
- 605 | SOPHIA RAUCH | Coping strategies and resilience for improving food security & dietary quality in rural Zambia
- 356 | GONZAGA SSEKIBAALA | Organic products consumer characteristics and preferences in Uganda
- 629 | REHANNA MAYAT | Women’s time allocation and dietary outcomes: Evidence from smallholder livestock production systems in rural Kenya
- 636 | TESFAYE BERHANU WOLDEYOHANES | Resilience capacity and food security in post-conflict northern Ethiopia: Baseline evidence from Tigray and Afar
- 659 | BUKOLA DA-SILVA | Crop-residue burning and women's anemia outcomes: Evidence from agricultural smoke exposure in northern India
- 678 | JOHANNA SCHOTT | Food environments and dietary change in urban Africa and South-East Asia
- 452 | BERUK BERHANU DESALEGN | Could dietary diversity be a proxy indicator for 2-5 years old children nutrients adequacy? The case of selected woredas, Sidama region, Ethiopia

4a. Institutions, finance, and productivity in agricultural value chains II

First floor in front of ZHG 102

Chair: MARGHERITA SQUARCINA

- 771 | IRIS MARIA SCHERER | Market structure and vendor performance of Slow Food Earth Markets in Kenya
- 299 | OGHAIKI ASAAH NDAMBI | Integrating maize-based feed and dairy value chains for structural transformation in Cameroon’s agro-industrial clusters
- 325 | SCOTT HASTIE | Predicting informal food vendor distributions in Kuala Lumpur using maxent: A spatial modelling approach for urban food environment research
- 378 | ROHIT PAWAR | Beyond price stabilisation: Liquidity explains farmer behaviour under evolving soybean market regulation in Tanzania
- 635 | ALCIDO ELENOR WANDER | Reconciling trade and sustainability: The EU-Mercosur trade agreement as a driver for multi-functional agro-ecosystems in South America
- 455 | LUISE PORST | Navigating risks through organisational innovations: The potential of contract farming for smallholders’ in Punjab, Pakistan
- 242 | VIVAN COELHO | Does sustainable intensification pay for small-scale producers? An analysis of earnings from sub-Saharan Africa

4b. Gender and youth II

First floor ZHG 104

Chair: **TINA BEUCHELT**

- 879| JESUGNON ESTHER ALDEGONDE KPODO | Beyond inclusion: Gender-responsive nature-based solutions for climate-resilient agriculture in sub-Saharan Africa
- 418| MARGHERITA SQUARCINA | The effect of a cocoa price increase on school enrolment in Côte d'Ivoire
- 692| AI RINAWATI | Beyond technology transfer: Co-creating climate-resilient agriculture with Indonesian youth
- 712| SARAH APPIAH | Bridging supply- and demand-side stated preferences for designing sustainable youth-led aquaculture business models: Evidence from northern Ghana
- 208| FANNY HOWLAND | Co-design of touristic route in Colombian indigenous territory: GTA for landscape conservation and women transformation
- 753| FISAL HAFIZ | Determinants of profitability in youth-led net-zero farming: Evidence from the YCFC programme in Indonesia
- 503| JUAN DIEGO ZAMUDIO PADILLA | Hidden child labour use and gender in coca economies: Evidence from Peru

5a. Remote sensing applications

First floor in front of ZHG 008

Chair: **CHRISTOPH KLEINN**

- 272| GAELLE NDAYIZEYE | Spatial dynamics of values, rules, and knowledge in restoration governance: Insights from western Rwanda
- 420| AMBICA PALIWAL | Mapping mobility barriers in pastoral rangelands: Assessing the impact of *Prosopis juliflora* invasion on access to grazing and water resources
- 18 | ROSE WASWA | Land cover changes, prediction modelling and decline of ecosystem services in Lubigi wetland, Kampala, Uganda
- 66 | JOHANNES RAHER | Accuracy constraints of GEDI-based biomass models in heterogeneous coffee agroforestry
- 459| MORI MICHAEL ARATHOON | Seasonal root dynamics and satellite-derived canopy responses in full-sun and agroforestry coffee systems in Costa Rica
- 690| MOSHFEQ TIMORY | Conflict and agricultural resilience in Afghanistan's river basins: A remote sensing assessment of irrigated cropland dynamics (2001–2024)
- 573| KIRA FASTNER | Market access shapes social-ecological transformation in mountain oases of Gilgit-Baltistan, Pakistan

5c. Agroecology, conservation, and restoration in farming landscapes II

First floor in ZHG 103

Chair: **TOBIAS PLIENINGER & CLAUDIA HEINDORF**

- 354| SALIL BHATTARAI | Farmer managed natural regeneration (FMNR) for climate resilience and livelihood improvement in drylands of Kenya

- 535 | MOSISA TUJUBA WAKJIRA | Toward optimised soil tillage: Exploring biophysical drivers of yield variability under conservation agricultural practices
- 371 | GRACE MUDOMBI-RUSINAMHODZI | Large-scale land acquisitions and customary land rights: Post-closure dynamics of biofuel investments in Ghana
- 265 | JAYESH JOSHI | Indigenous farmers' reflections on livelihood sustainability under monocropping, mixed, and Hangadi practices
- 419 | ANIKA MUDER | Understanding the relationship between large-scale land acquisitions and land inequality: A systematic review
- 448 | EMMANUEL OPUNI-FRIMPONG | Multi-functional landscapes in Lake Bosomtwe: Tree diversity and land use as drivers of NTFP provision and climate resilience
- 228 | RODGERS OYUGI | Integrating climate-smart agriculture into multi-functional agro-ecosystems: Evidence from smallholder farming systems in western Kenya
- 760 | SIMON THOMSEN | Assessing deforestation risk and carbon emission mitigation in commodity frontiers through integrated land system modelling

Online 1e / 1f: Livestock systems

Streaming in room: ZHG 007

Chair: NOUR EL HOUDA AMHEZ

- 118 | STEFAN BURKART | From trade-offs to synergies: Sustainable intensification pathways in the global cattle sector
- 138 | OLLO SIB | Co-design of agroecological innovations in the dairy value chain based on consumer expectations and the business models of processors and dairy farmers: Case studies in Burkina Faso and Senegal
- 147 | STEFAN BURKART | Scaling sustainable livestock: Adoption and impacts of Urochloa hybrids in Latin America (2001--2024)
- 148 | STEFAN BURKART | Economic growth and emissions in cattle systems: Evidence from developing regions
- 152 | JOHN JAIRO JUNCA | Intensive silvopastoral systems as a pathway to sustainable cattle transformation in the Peruvian Amazon
- 362 | FERNANDO FLÓREZ | Carbon finance potential for climate-smart pastoral livestock systems in Mongolia
- 603 | TANAYA DUTTAGUPTA | Gender transformative approaches in pastoral systems in Africa: Lessons and reflections for equitable resilience
- 628 | JOSEFINE KRUEGER | Pastoralist commons and contestations: Enclosure of Pokot land as a gendered project of accumulation
- 823 | SENOUWA LEOPOLD GUIDIME | Integrating anti-methanogenic plants into silvopastoral mosaics: Lessons from the tropics

Online 2b: Climate change mitigation

Streaming in: ZHG 006

Chair: ISSAKA ABDULAI

- 24 | KIFLE WOLDEAREGAY | Four decades of nature-based solutions at landscape levels in semi-arid region of northern Ethiopia: Practices and impacts

- 150| DANIELA MEJÍA | Cattle, energy, and emissions: Dynamics of sustainability in Latin America
- 161| MEZGEBU AYNALÉM MENGSTIE | The role of climate smart agriculture practices on productivity, adaptation, and mitigation in Ethiopia: Systematic review approach
- 233| ANYWAY KATANHA | Building climate resilience in semi-arid Zimbabwe through agroecology: Pathways for smallholder farmers in Muzarabani district
- 254| MELKAMU MAMUYE | Spatiotemporal analysis of climate variability and smallholder adaptation: Evidence from Chewaka resettlement site, southwest Ethiopia
- 400| MORICE ODHIAMBO | Impact of environment and crop management on the variance of maize (*Zea mays* L.) yield in different agroecological zones in Kenya
- 566| ISMAEL CARLOS DILMA AZIRA | Diagnosing agricultural water risk and climate vulnerability in the tropics: A transcontinental comparative assessment of Amazonian and Mozambican watersheds
- 670| ABRAHAM ZAKARIA | The role of climate information in enhancing household food security in rural northern Ghana
- 708| ABIMIBOLA Y. MARIUS AKPOFFO | Enhancing rice farmers adaptation to climate change through combined use of drought-tolerant rice varieties and water-saving technologies in Mali
- 360| JIAJIE XIA | Agricultural carbon sequestration and supply chain resilience: Evidence from large language models and multimodal data

Online 3b. /3c: Food systems and food quality

Streaming in: ZHG 008

Chair: LOUIS AMPRAKO

- 35 | OLUWAFUNMISO ADEOLA OLAJIDE | Translocality and smallholder farm sustainability: A case study of rural households in Arochukwu, southeast Nigeria
- 172| RHODA NAA ADDOLEY DROMO LOMOTÉY | Coeliac disease and the future of traditional gluten-rich foods: Evidence from four EU countries
- 588| ABEL COMBEL CHIPEMBO | Antimicrobial resistance patterns in *Escherichia coli*, *Salmonella* spp., and *Enterobacter* spp. from broiler meat in Mzimba, Malawi
- 209| SUSANNA MWINKUM TANTUOYIR | Water use, livelihoods, and sustainability: Analysing blue water footprints in smallholder vegetable production in northern Ghana
- 283| NOAH MUMUNI ZAKARIA | Colliding ecologies and forced adaptation: Tenure insecurity and farmer livelihoods in Ghana's artisanal mining frontiers
- 601| SAMI ULLAH | Postharvest fruit losses and management in fresh jamun (*Syzigium cumini*) berry supply chains and domestic market efficiency in Pakistan
- 643| GELETU GUDETA | Assessment of camel milk handling practices and bacterial loads along the value chain in Borana and East Shewa, Ethiopia
- 662| BARBARA FELMER | Perceptions of women in agri-food supply chains under climate change
- 754| SHAMIMA AKHTER | Migration from farm families: Determinants and its impact on the rural livelihoods in Bangladesh
- 497| AYOOLUWA SAMUEL AYOOLA | Energy-efficient drying of African walnut (*Tetracarpidium conophorum*): Implications for the water–energy–food nexus and climate-resilient agro-processing

Online 5b. / 5c.: Biodiversity conservation and agroecology**Streaming in: ZHG 009****Chair: YOUNESS BOUBOU**

- 213| AS ARI WAHYU UTOMO | The role of community-based ecosystem restoration in forest structure dynamics and livelihood improvement in Indonesia: An integrated geospatial and structural equation modelling approach
- 227| HABTAMU LEMMA DIDANNA | Integrated crop–livestock–tree systems in Africa and Asia: A systematic review of resilient, climate-smart, and multifunctional agro-ecosystems
- 288| ANDRES IVAN PRATO | Carbon accumulated after 11 years with two native species in an agricultural area in Colombia
- 256| CLEMENTINE MUKANOHERI | Economic potential and trade dynamics of medicinal plants: Implications for biodiversity conservation and climate-resilient livelihoods
- 541| THI THUY DUONG NGUYEN | Designing ecotourism-based financing for protected areas: A discrete choice experiment in Ben en national park, Vietnam
- 564| GIRMA LAGISO | Understanding community awareness, perceptions and attitude toward protected areas: Evidence from Gambella national park
- 214| TOSIN SOMORIN | Mapping waste flows and leakage pathways in the Lake Victoria basin
- 814| YASH SRIVASTAVA | Social stratification and livestock access: Rethinking equity in integrated agro-ecological farming systems
- 860| LINA TAMI-BARRERA | Socio-technical challenges and opportunities for forest-protecting bioeconomies in the Brazilian Amazon: An integrated assessment of Rede Terra do Meio
- 924| CLOVIS KABASEKE | The Triple F agroecology model (TFAM): An integrated systems architecture for university-led agroecological innovation
- 812| HAGAR ELDIDI | Importance of land tenure for agricultural development: A review

Apéro / Social gathering | 18.30-22.00 | ZHG Foyer

Free drinks and finger food will be offered to welcome everybody to TROPENTAG.

Meet and Greet | 19.30-20.30 | tba

Discussion rounds with junior scientists with keynote speakers

Pastoralist Film Festival Part II | 19.00-22.00 | ZHG 007

Programme available page 20.

ATSAF e.V. members assembly | 19.30 | ZHG 006

For members only.

Programme overview – Thursday 17.09.2026

08:30-09:15	Poster sessions P3	page 41
	<i>Streaming of online poster sessions</i>	
09:20-10:00	Keynote speech by Dr. Lulseged Tamene Desta ZHG 011	
10:00-10:30	<i>Coffee and tea break</i>	
10:30-12:00	Parallel oral thematic sessions I	page 48
	<i>stream via Whova app</i>	
12:00-13:30	<i>Lunch break</i>	
13:30-15:00	Parallel oral thematic sessions II	page 51
15:00-15:30	<i>Coffee and tea break</i>	
15:30-17:00	Parallel oral thematic sessions III	page 54
17:00-17:15	<i>Mobility break</i>	
17:15-18:45	Poster sessions P4	Page 56
	<i>Streaming of online poster sessions</i>	
19:00-23:00	<i>Conference dinner & party</i>	page 64

Guided poster sessions P3 – 08:30-09:15

1d. Crop responses to abiotic stress in field and controlled environments

First floor between ZHG 011 and ZHG 010		Chair: JÖRG GERMER
641	ARTIT PONGTIP Foliar nutrients enhance physiological responses and yield of maize (<i>Zea mays</i> L.) under drought at tassel initiation	
766	PREM SAGAR MATHANGI Leaf position dependent hyperspectral responses to drought in wheat	
680	M.HABIB UR-RAHMANE Modelling response of wheat genotypes to combined nitrogen × water stress at critical growth stages in contrasting environments	
607	ANNA TABEA MENGEN From transcriptomics to the field: Improving screening for salinity tolerance in quinoa (<i>Chenopodium quinoa</i>)	
581	VISHWANI HERATH How does UVB seed priming affect agronomic and yield traits of rice genotypes under UVB-stress?	
838	H E M KHAIRUHL MAZED Transpiration dynamics of quinoa for controlled environment agriculture: Interactions of light, salinity and nitrogen	
268	HEMANTH KUMAR PUPPALA Interactive effects of white led light, vapour pressure deficit, and root zone salinity on growth and nutrient uptake of hydroponically grown quinoa	
653	SEBASTIAN HEINTZE Effects of light quality and nitrogen form on reproductive growth in hydroponic quinoa	
859	THERESA DETERING Temporary nutrient depletion in hydroponics: Tomato growth response and recovery potential	

1g. Livestock forages, feeds and feeding

First floor between ZHG 008 and ZHG 007

Chair: CHRISTIAN BATEKI

- 558| SHAHIN ALAM | Effects of circular food resource inclusion in diets on ruminant productivity: A mixed-effects meta-regression analysis
- 890| ALINA HAUS | Winter is coming – supplementary feeding of cashmere goats as an adaptive strategy of Mongolian herders
- 145| STEFAN BURKART | From feed deficits to opportunities: The role of forage seed systems in transforming livestock systems
- 146| STEFAN BURKART | Forage innovations for resilient livestock systems in northwest Vietnam
- 672| RHIANNA BRAHIER | From forage surplus to dry season feeding: Evaluating strategies for ruminants in central Cameroon
- 676| SEVGİ KARAMAN | Exploring the productivity of underutilised grassland forage C3 species under temperate and sub-tropical climatic conditions
- 435| AUSAJI AYUK | Adaptability of grazing Bunaji and Gudali cattle to stall feeding in a tropical university environment
- 492| STEFAN HOHNWALD | Grass-capoeira pastures teem with the megadiversity of the NE-Amazon, Brazil

1h. Camelids and small ruminants

First floor in front of ZHG 103

Chair: REGINA RÖBLER

- 464| MULUKEN EKULE | From trap to transition? The food-feed biomass battle under climate variability in Ethiopian enset-sheep farming systems
- 556| BERHANU WAKJIRA | Antimicrobial use and knowledge among camel pastoralists in Ethiopia
- 612| HASSANUUR HASSAN KALLA | Livestock keepers' objectives and performance of dairy camels under two contrasting management systems in Ethiopia
- 783| ABDULSAMAD AMAN | Camel milk value chain structure, functionality, and income generation in pastoral areas of Borana and East Shewa, Oromia regional state, Ethiopia
- 813| ANA BELÉN OBREGÓN-CRUZ | Maternal nutrition, offspring performance and alpaca resilience in Andean agroecosystems
- 338| ANNINA SERAINA SCHWEIZER | Alpaca production in climate-stressed Andean agro-eco-systems: Insights from milk composition, pasture quality and management practice

1e. Agroforestry and plantation systems (esp. coffee & cocoa) III

First floor between ZHG 010 and ZHG 009

Chair: THANH THI NGUYEN

- 29 | GODWILL SERLOM DAGBIE | EUDR and Ghana's cocoa value chain: Its implication for smallholder farmer livelihoods and cocoa production
- 757 | FAITHFUL FINNEY ADUBOFOUR | Utilisation of cocoa pod husks for the generation of renewable energy in Ghana
- 493 | RACHAEL WOOD | The cocoasoils core trials: Early yields and pod counts
- 342 | KEESY MARIA-PRISCA KOUAKOU | Unveiling drivers of cocoa agroforestry adoption intensity and ecological and socio-economic outcomes in West Africa
- 801 | BYRON REYES | Determinants of cacao agroforestry practices adoption in Colombia and implications for technical assistance programs
- 830 | MARIEKE SASSEN | Mature, diverse shade tree communities are needed to reap broad biodiversity benefits in cocoa agroforestry systems
- 895 | FRANZ WEINGÄRTER | Spatial nutrient dynamics in Ecuadorian cacao agroforestry
- 909 | DAN EMMANUEL KANMEGNE TAMGA | Spatial mapping of associated trees in cocoa agroforestry systems using remote sensing: Evidence from Côte d'Ivoire
- 168 | MANUELA SAHIRY | Inclusive governance and smallholder readiness for new regulatory requirements in Côte d'Ivoire's cocoa value chains
- 75 | FARIHA KAMALUDDIN | The role of certifications in enhancing cocoa exports from Trinidad and Tobago to Switzerland
- 430 | EKATHERINA VASQUEZ-ZAMBRANO | Yield and yield response monitoring in on-farm trials: Implications for cocoa yield improvement
- 479 | MAMUELA SAHIRY | Assessing land use and land cover (LULC) dynamics and future change in a cocoa landscape (Côte d'Ivoire)

2a. Risks and impacts of climate change

First floor between ZHG 009 and ZHG 008

Chair: HEIDI WEBBER

- 229 | DAVID ABIGABA | The role of anthropogenic climate change in shaping food security: An explicit assessment of 16 West African countries
- 68 | DESSALEGN AYALEW | Blue and green water resources: Projected changes under climate change in the Upper Nile basin, Ethiopia
- 328 | EKATHERINA VASQUEZ-ZAMBRANO | Drivers of cocoa yield variability in on-farm trials across major cocoa-producing countries in West Africa
- 347 | JILAN LONG | Effects of long-term reduced tillage on greenhouse gas emissions, soil C and N dynamics and crop-weed responses under ambient and reduced rainfall
- 137 | ALEX ZIZINGA | Phenology and soil moisture dynamics under conservation practices in rainfed sub-humid maize systems
- 704 | TOBIAS BLUM | Attributing climate change impacts on wheat yields in northern India during the heatwave year 2022
- 718 | SAIDAQA AYAR | Exploring the impacts of climate change on food security and household income: A CGE model approach
- 529 | TERKULA DONALD UCHUA | Impacts of climate-induced water scarcity on rice production among smallholder farmers in the Northern Region, Ghana

4c. Rethinking agricultural extension through knowledge co-creation

Ground floor in front of ZHG 005

Chair: MARIA JOSE RESTREPO RODRIGUEZ

- 774 | SILKE STÖBER | Communication channels for accessing horticultural knowledge among smallholder farmers in Kilifi county, Kenya
- 296 | PAUL LAMBON | Behavioural determinants of farmers' willingness to end residue burning in Ghana: Evidence from a hybrid choice model
- 52 | PHILOMINA ASIBU | Analysing advisory and innovation support services for enhancing sustainable innovation processes in Ghana and Senegal
- 65 | ELHAM ALI | Operationalizing marine spatial planning in the Egyptian Red Sea: Implications for climate resilience and sustainable marine resource governance
- 586 | DINA NABASUMBA | Socio-psychological determinants of smallholder farmers' intention to adopt climate-smart agricultural practices in south-western Uganda
- 615 | MARILENA REINHARD-KOLEMPAS | Exploring agroecological transition pathways in a mountainous farming system in Morocco through fuzzy cognitive mapping
- 627 | BAWOUPATI BITASSA | Community perception, willingness to pay, and governance of a local digital communication network for climate-resilient agriculture: Case of the Minodu project local network in three communities of the Kara region of Togo
- 375 | WINFRED MUGWIMI | Farmers perceptions and barriers to adoption of solar-powered irrigation systems in Kenya
- 166 | PATRICK PHIRI | From knowledge to action: Quantifying the knowledge–action gap in smallholder extension systems in Malawi
- 683 | DINA NABASUMBA | Farmers' self-reported impact of climate extremes on crop production and adaptation strategies in south-western Uganda
- 713 | JUSTUS OCHIENG | Trader–farmer business relationships and their implications for varietal turnover, productivity, and grain commercialisation in Tanzania
- 248 | BLESSINGS MASUKU | Integration of indigenous and scientific knowledge for climate resilience and food security in Africa's urban agriculture: Learning from local communities for a sustainable future

5e. Value chain development for neglected and underutilised crops

Ground floor in front of ZHG 006

Chair: NORA CASTANEDA-ALVAREZ

- 77 | CÉLINE TERMOTE | Community seed banks and the emergence of multifunctional agroecosystems in climate-vulnerable smallholder systems in Kenya
- 151 | MARSHALL AREBOJIE AZEKE | Harnessing underutilised legumes for climate-resilient, nutrition-sensitive agroecosystems: The case of African yambean
- 681 | CHIARA FERRABOSCHI | Mobilising agrobiodiversity in India to support planet-friendly school meal programs: Insights from participatory crop selection
- 212 | MANUEL MORENO | Agrivoltaics an incentive mechanism for the wefe nexus: A perspective from Colombia's just energy transition
- 221 | PEREZ NUWAMANYA | Neglected and underutilised crops as drivers of climate-resilient food systems: A comparative total factor productivity analysis in Uganda and South Africa

5f. Biodiversity conservation and restoration II

Ground floor between ZHG 011 and ZHG 010

Chair: SIMONE PFEIFFER

- 654| IRENE AWINO OJOUK | Socio-economic determinants of farmer managed natural regeneration (FMNR) adoption among smallholders in semi-arid Kenya
- 336| JONAS PARDAMEAN SIMORANGKIR | Social norms drive conservation intentions in Indonesia's songbird trade system
- 547| ABIOLA ROBERTSON KÉVIN AMOUSSOU | Soil macrofauna and land use in Mékrou watershed: FLR implications
- 817| MITIKU AYELE HANDISO | Enrichment planting and soil-water conservation: Restore degraded dryland agro-ecosystems in Ethiopia
- 193| SAHAR MEHANNA | The relative abundance of the target species with the impacts of fishing gears on red sea fisheries sustainability, Egypt
- 587| ASHIQ PARAMBIL-PEEDIKA | Peri-urban cropland sustains avian biodiversity in tropical cities: evidence from urban India
- 295| SOULÉ MOUSSA | Impacts of perennial plants diversity on carbon stock and bird species in Maradi city, Niger

6a. Digitalisation and AI

First floor in front of ZHG 010

Chair: EIKE LUEDELING

- 593| VIJESH KRISHNA | From agents to algorithms: A four-pillar assessment of the journey to AI-based advisory for climate-resilient smallholder agriculture
- 446| ARUN PRATHAST | Cocoadoctor: deep learning-based cocoa disease detection system
- 422| HARISON KIPLAGAT KIPKULEI | A novel digital twin system combining earth observation, field monitoring and artificial intelligence for maize production in South Africa
- 707| ANNE SENHENN | Enabling data-driven agricultural transformation: GARDIAN and FAIRagro
- 710| MARCUS GIESE | UKUDLA: Data-driven innovation for sustainable and resilient food systems in Africa
- 397| SEBASTIAN SSCHMIDT | AI-based enhancement for mapping invasive *Prosopis juliflora*
- 359| SAMANEH SAMAEI-DARYAN | Predicting climate-resilient habitats for *Vicia faba L.*: A data-driven approach to enhance multifunctional agroecosystems
- 736| CHRISTIAN BUNN | Exploration of use cases for an ai-based coffee yield estimation tool
- 241| SHUBHAM RANA | Foundation-model segmentation for automated annotation of plant species
- 828| IBRAHIM WANYAMA | Integrated digital extension and capacity building strategy to improve manure management among smallholder farmers in Kenya and Uganda
- 396| FATIMA LAMBARRAA-LEHNHARDT | Adoption of digital tools by African farmers for sustainable intensification of cropping systems: A case study of Nigeria

Online 1b: Crop health under climate variability: pests, pathogens, and agroecological solutions

Streaming in: ZHG 007

Chair: STEPHAN WINTER

- 73 | BATHWELL OLIVER OMBUYA | Gendered seeking behaviour of plant health advisory services in Kenya
- 83 | NOUROUDINE OLLABODÉ | Typology of smallholder farms adopting conservation agriculture in northern Benin's Sudanian zone
- 85 | AIRES MBANZE | How can we improve the adoption of sustainable agricultural practices in the developing countries: A perceived views of farmers in a community conservation area in northern Mozambique
- 205 | HAYDER ABDELGADER | Efficiency of the adjuvant sure shot on increasing the efficacy of insecticides on the melybug
- 451 | YAHAYA RIKO YUNUSA | Deciphering the plant growth promotion potential of rice-associated bacteriomes from Chiang Mai, northern Thailand
- 536 | RATTANAPHON CHAIMA | Effects of hot spring-derived photosynthetic bacteria on growth and quality of chinese kale (*Brassica oleracea* var. *alboglabra*) seedlings
- 580 | DONG-GILL KIM | Agroecology as a dual strategy for drought resilience and sustainable N and P management: Mechanisms, evidence, and trade-offs
- 687 | JOSEPH MUTUNGATI MUGENDI | Drivers of push-pull pest management adoption among maize farmers in East Africa: A logit analysis
- 869 | KWAME ANSAH BAFFOUR | Impact of intercropping systems on farm productivity and welfare in Ghana

Online 5d/5e: Crop / tree genetics and neglected crops

Streaming in: ZHG 006

Chair: N.N.

- 121 | TORKUMA SOLOMON TSEGBA | Reintegrating underutilised tropical plants into food systems for nutrition security and climate resilience
- 335 | CHINASA PATIENCE OMEJE | Harnessing neglected species for climate-resilient food systems: Domestication potential of *Bosqueia angolensis* in Nigeria
- 399 | EDUARDO LEUMAN FUENTES NAVARRO | Genomic diversity of Peruvian llamas: Population structure and SNP identification for resilient Andean livestock systems
- 693 | THOMAS MUSEMBI | Willingness to pay for solar-dried horticultural products in urban Kenya: Evidence from Nairobi city county
- 876 | DEKEBA MOGES | Development and optimisation of bioactive-enriched gluten-free biscuits using oat (*Avena sativa*) and stinging nettle (*Urtica* spp.) leaves
- 913 | PRIYANKA KRISHNAMURTHY | Elucidating R-gene-mediated resistance to wheat dwarf virus in *Triticum aestivum* genotypes
- 23 | JOSEPH PASCAL SENE | Multi-environment QTL mapping reveals the genetic architecture of drought tolerance in elite African sorghum lines
- 804 | SHAMISO MUCHAYI | Harnessing molecular breeding to develop climate-smart crops for future agro-ecosystems

Online 6a: Technology, data & knowledge systems

Streaming in: ZHG 009

Chair: N. N.

- 592| WILBERT TREJO- LIZAMA | Use of *Hylocereus undatus* waste for post-treatment of swine wastewater at the biodigester effluent
- 456| DAVOUD ROUZANEH | Beyond the optimisation trap: Redefining AI as maladaptation sentinels for resilient agro-ecosystems
- 55 | JOHN KIMOTHO NYAMBUR | Enhancing health monitoring of energy harvesting systems through edge analytics in off-grid smart irrigation systems
- 70 | GIDEON GOBTI AYEAH | Application of geographic information systems in the diffusion of biogas technology: A systematic review
- 604| KHANDOKER TANJIM AHAMMAD | Automated morphometric quantification of maize cob kernels via lightweight RGB image analysis and cellpose-based deep learning
- 94 | SAMUEL ADDO | Design and fabrication of self-propelled agricultural spraying machine for small scale farmers
- 530| ALI IBRAHIM | Riceadvice Lite: A digital advisory tool for improving irrigated rice yield and profitability across West Africa

Online 4c: Gender, youth and agricultural extension

Streaming in: ZHG 008

Chair: LILLI SCHEITERLE

- 128| PATIENCE NIMUSHABA | Implementation of climate smart agric. practices: An assessment of Uganda's lower secondary school agriculture competence-based curriculum
- 311| IMMANUEL MANURUNG | Knowledge co-production and collective action in sustainable village transformation: A transition lab approach
- 313| DEDEDJI NANYÉGBÉ AIMÉE | Do financial subsidies improve farmers' innovativeness in northern Benin?
- 365| LILIOSA PAHWARINGIRA | Reframing climate finance through community perception: evidence from Muzarabani's semi-arid landscape in Zimbabwe
- 523| HAIDER ZAMAN KHAN | Backyard poultry for food security: smallholder women farmers in promoting multifunctional agro-ecosystems in Punjab, Pakistan
- 577| SULTAN ADEEL | A natural experiment on small-scale farmers' adoption of "New Theory Farming" in Ayutthaya, Thailand
- 915| BRIAN NJOROGE | Pricing inclusive digital extension services: Gender, delivery design, and farmers' willingness to pay in Zambia
- 584| FRED KALANZI | Integrating knowledge and practice: enhancing soil health and agrobiodiversity for sustainable ecosystems and livelihood resilience
- 725| MOUKAÏLA BAGRI BOURAÏMA | Multi-country evidence on gender gaps in sustainable rice cultivation performance indicators in sub-Saharan Africa
- 874| RISMA RIZKIA NURDIANTI | Women's roles in small ruminant production systems and pestes des petits ruminants' status in Indonesia
- 531| KHADIJEH SOLEIMANI | Farmers' self-efficacy and continued use of social media: An application of the expectation confirmation model
- 617| ESTHER ACHANDI | Implementing gender transformative approaches (GTAs) in live-stock systems: The case of eastern Africa

Plenary session Thursday 17.09.2026 | 9:20-10:00

9:20-10:00

Keynote speech |

ZHG 011

**DR. LULSEGED TAMENE DESTA**

Director of Multifunctional Landscapes CGIAR Science Program, Kenya

Multifunctional landscapes for climate-resilient futures: Connecting food, nature, livelihoods and governance at scale

Lulseged Tamene Desta (PhD) is Director of Multifunctional Landscapes CGIAR Science Program, based at the ILRI Campus in Nairobi, Kenya. A landscape ecologist, by training, his work is driven by a long-standing interest in how land, water, people, and ecosystems interact across scales.

He began his career at Mekelle University in Ethiopia, teaching Geography, Land Use Planning, GIS, Remote Sensing, and Agro-Climatology. Early in his career, he worked with the Center for Development Research (ZEF) at the University of Bonn on the GLOWA-Volta initiative, examining how competing water demands can be managed more sustainably in West Africa.

From 2009 to 2025, Lulseged worked with CIAT and later the Alliance of Bioversity and CIAT, where he led and co-developed large, multi-country initiatives. He is particularly motivated by action-oriented research that translates science into practice, including ecological intensification, landscape restoration, and land-use planning that balances production, conservation, and restoration goals. His work combines systems thinking with strong spatial analysis to support evidence-based decision-making.

Beyond research, Lulseged has played senior leadership roles across CGIAR. He values collaboration and mentored farmers, extension professionals, students, and early career scientists. He is widely recognized for bringing together interdisciplinary teams to contribute towards a common goal.

Parallel oral thematic sessions I – 10:30-12:00**1a. Innovation and resilience in smallholder cropping systems****Room: ZHG 009****Chair: KIRA FASTNER**

10:30 FRIEDRIKE KRÜGER, Fruit and vegetable species richness and seasonal availability on smallholder farms in Kilifi county, Kenya (ID 852)

10:45 AUGISTINE OLOO, Technical efficiency and profitability of rice ratooning in Africa: Evidence from seven countries (ID 666)

- 11:00 MARLEN TYANLIEV, Is crop diversification associated with farm-level agricultural sustainability? Evidence from smallholders in irrigated areas of Kyrgyzstan (ID 632)
- 11:15 PIETERJAN DE BAUW, Pineapple-legume rotation drives first-cycle pineapple growth, yield, and quality improvements while reducing mineral fertiliser needs (ID 379)
- 11:30 ASHIQ PARAMBIL-PEEDIKA, Reduced tillage, not residue retention, drives soil fauna recovery: A global meta-analysis (ID 514)
- 11:45 WRAP UP AND FINAL DISCUSSION

1f. Large ruminant systems and dairy + invited presentation

Room: ZHG 008

Chair: EVA SCHLECHT

- 10:30 **Lead paper:** ANNA JEMMETT, Genetic introgression as a conservation challenge in the endangered wild camel (*Camelus ferus*) in Mongolia (ID 932)
- 11:00 IRINA HOPP, Mechanisms behind persistent smallholder dominance in the livestock sectors of Tajikistan and Uzbekistan (ID 806)
- 11:15 EUNICE ADWOA SARPONG, Land reform and agropastoralism in northern Benin: Reconfiguring resource access and mobility (ID 779)
- 11:30 OLUMUYIWA OLANIYI, Effectiveness of institutional conflict resolution strategies on farmer-herder disputes: Implication for sustainable livelihoods in Nigeria (ID 642)
- 11:45 WILHELMINA NUULE, Reading the landscape, reading the herd: Local ecological knowledge and livestock mobility in the Himba pastoral system, Namibia (ID 423)

2a. Risks and impacts of climate change

Room: ZHG 006

Chair: HEIDI WEBBER

- 10:30 FABIO CASTRO, Climate change and tropical crops: Disruption in the geography of coffee and cocoa (ID 624)
- 10:45 TEJASWINI JAAJPERA, Long-term monitoring of tropical oil palm ecosystem fluxes: A comparative study of two ENSO events in Jambi, Indonesia (ID 345)
- 11:00 ASHUTOSH JENA, Climate risk assessment of coastal rice farming in eastern India (ID 596)
- 11:15 ARMEL HENNOU, Spatial distribution pattern of *Pavetta crassipes* under global change and its implications for conserving savannah (ID 390)

- 11:30 JIALI CHENG, Impacts of climate change on cropping systems in sub-Saharan Africa: Knowledge gaps and research priorities (ID 364)
- 11:45 WRAP UP AND FINAL DISCUSSION

4a. Institutions, finance, and productivity in agricultural value chains

Room: ZHG 007

Chair: MEIKE WOLLNI

- 10:30 LAURA ROJAS-BERNAL, Multi-output production and technical efficiency in maintained NTFP systems: Evidence from the Brazilian Cerrado (ID 631)
- 10:45 FARRUKH SHAHZAD, Does cluster farming work? Productivity gains and institutional dynamics among smallholders in South Punjab, Pakistan (ID 543)
- 11:00 EDMOND NYUYKI MAINIMO, The role of governance and institutions in participation and upgrading in global agrifood value chains (ID 729)
- 11:15 RAVAKA RALANDISOA, Financing climate-smart agriculture: Evidence from individual and VSLA-mediated cash transfers in Madagascar (ID 515)
- 11:30 YOURI DIJKXHOORN, How transaction costs affect gross margins in informal vegetable value chains in northern Tanzania (ID 414)
- 11:45 WRAP UP AND FINAL DISCUSSION

7a. CGIAR Science Program on Multifunctional Landscapes: Towards multifunctional agro-eco-systems promoting climate-resilient futures

Room: ZHG 011

Chair: CARGELE MASSO

- 10:30 THOMAS FALK, Facilitating multi-actor planning towards aspirational multifunctionality of landscapes (ID 122)
- 10:45 SMITHA KRISHNAN, Multifunctional landscapes drive biodiversity and ecosystem services in small-holder farms (ID 158)
- 11:00 SUDHARSAN MALAIAPPAN, Digital tool for landscape investment planning: Identifying context specific agronomic, land and water management practices (ID 136)
- 11:15 HASSEN QUERGHEMMI, Exploring consumer behaviour, attitudes, and willingness to pay for agroecological products in Tunisian urban areas (ID 84)
- 11:30 GUILLERMO ORJUELA, How are multifunctional landscape impacts evaluated? A systematic review of approaches, indicators, and evaluation gaps (ID 437)
- 11:45 Wrap Up and Final Discussion

7b. BMFTR session: The Indo-German Science and Technology Centre (IGSTC): Funding opportunities and Tropentag-related projects

Room: ZHG 010

Chair: DÖRTE MERK & LUDWIG KAMMESHEIDT

- 10:30 CARSTEN MONTZKA, AI-based quantification of availability and sustainability of renewable energy and groundwater for irrigation across India (AQUASURGE) (ID 926)

Parallel oral thematic sessions II – 13:30-15:00

1b. Crop health under climate variability: pests, pathogens, and agroecological solutions

Room: ZHG 009

Chair: SAMAR SHEAT

- 13:30 JANET ATANDI, Nematode management in the face of climate change: From chemical control to climate-smart soil systems (ID 618)
- 13:45 HANNAH KAMAU, Mapping biotic stressors across mediterranean cropping systems: Current distributions and climate-driven future projections (ID 314)
- 14:00 MOURITALA SIKIROU, Optimising field screening for cassava brown streak disease resistance: Enhancing efficiency and reducing costs (ID 911)
- 14:15 SAMAR SHEAT, Exploring the diverse world of cassava virus diseases: Advances and innovations (ID 903)
- 14:30 ZAL KHAN ABDULLAH, RNA interference-based suppression of *Fusarium wilt* in banana for climate-resilient agroecosystems (ID 598)
- 14:45 WRAP UP AND FINAL DISCUSSION

1g. Livestock forages, feeds and feeding

Room: ZHG 008

Chair: CHRISTIAN BATEKI ADJOGO

- 13:30 GIBSON SIMEL LEMAMA, Seeds of hope during the 2020-23 drought: Collective fodder production saved livestock in Kajiado, Kenya (ID 706)
- 13:45 VICTORIA PAULA FOGLINO, Economic-environmental evaluation of silvopastoral systems in Colombia (ID 521)
- 14:00 POLYCARPE KAYODÉ, Degradation of gossypol from cottonseed meal for monogastric livestock feeding in West Africa (ID 507)

- 14:15 MOUNIR ABI SAID, Olive biochar supplementation in small ruminant feeding: Contrasting methane mitigation and productivity in lactating goats (ID 781)
- 14:30 WINNIE NYAKERARIO AKARA, Black-soldier-fly larvae in Kenya: Evaluating waste-based production systems for safe and climate-resilient protein value chains (ID 686)
- 14:45 WRAP UP AND FINAL DISCUSSION

2b. Adapting agriculture to a changing climate

Room: ZHG 006

Chair: REIMUND P. RÖTTER

- 13:30 CHANDA KUMARI, Assessing key drivers in shaping farmers' decision towards crop species diversity across Indian districts and agro-ecological zones (ID 600)
- 13:45 PACSU SIMWAKA, APSIM-based optimisation of maize-soybean intercropping in Malawi: Calibration, simulation, and sensitivity analysis (ID 772)
- 14:00 AMIT KUMAR SRIVASTAVA, A context-sensitive adaptive framework for managing sowing delays in rice–wheat systems (ID 652)
- 14:15 FLORRENCE NDUKU, Nature based solutions for climate resilient food systems: Lessons from eastern and southern Africa (ID 424)
- 14:30 JOHANNA SOPHIE BISCHOF, Adoption of climate-resilient rice farming practices in Battambang, Cambodia: Challenges, perceptions, and stakeholder roles (ID 484)
- 14:45 WRAP UP AND FINAL DISCUSSION

3a. Food and nutrition security

Room: ZHG 011

Chair: LIESBETH COLEN

- 13:30 SU YUAN KOH, Mapping lived urban food environments: Revealing social-spatial disparities and public health implications (ID 139)
- 13:45 CHIARA FERRABOSCHI, Bridging policy design and implementation gaps in school feeding programmes: Experimental evidence from Benin (ID 682)
- 14:00 ELISA LANGELLA, Who wants to eat more vegetables? Determinants of consumption and aspiration in Ghana (ID 863)
- 14:15 CHARLES OKYERE, The impact of interactive voice response message reminders on health and nutrition outcomes in Ghana (ID 395)
- 14:30 ROBERT ASIIMWE, From tradition to transition: A multidimensional analysis of household dietary sustainability in Uganda (ID 129)
- 14:45 WRAP UP AND FINAL DISCUSSION

5a. Remote sensing applications**Room: ZHG 007****Chair: CHRISTOPH KLEINN**

- 13:30 JEAN-MARIE VIANNEY MINANI, Landsat NDVI and Sentinel-2 for vegetation dynamics and maize field mapping in Kikuyu, Kenyan (ID 837)
- 13:45 OUSSAMA HIMMY, Mapping four decades of agricultural land abandonment in the Moroccan Anti-Atlas: A deep-learning approach combined with Landsat temporal segmentation (ID 552)
- 14:00 TOBIAS HELLMUNDT, Measuring reforestation success with very-high-resolution satellite imagery (ID 602)
- 14:15 JABULANI NYENGERE, Land use and land cover dynamics and its implications for agrifood systems among smallholder farmers in central Malawi (ID 179)
- 14:30 KHAYTBAY ARTIKOW, A multi-dimensional pasture condition index (PCI): Integrating bioclimatic and functional vegetation signatures to assess rangeland health (ID 667)
- 14:45 WRAP UP AND FINAL DISCUSSION

7d. BMLEH Session: Exploring ways to strengthen resilience and health of humans, animals and crops – presentation and discussion of project results**Room: ZHG 010****Chair: CHRISTINE HBIRKOU**

- 13:30 MAJA CLAUSEN, Exploring ways to strengthen resilience and health of humans, animals and crops – presentation and discussion of project results (ID 931)
- 13:45 *The following research consortia will present:*
BEKELE MEGERSA | University of Addis Ababa
 Project: “Sustainable camel milk production through improved husbandry practices and milk value chain (SUSCAMI)”
KATHARINA NEUMEIER | Max Rubner-Institute, Federal Research Institute of Nutrition and Food (MRI)
 Project: “Ecological, Technological, and Capacity-Building Strategies for Sustainable Optimisation of Local Maize-Based Food Systems and Climate-Resilient Food Production for Smallholder Farmers in Kenya (SoLFOOD)”
MICHAEL OPPONG | German Federal Institute for Risk Assessment (BfR), Project: “Associations between diet and internal exposure to mycotoxins among adults in Ghana and Ghanaian migrants in Europe (Mycotoxins_Ghana)”

Parallel oral thematic sessions III – 15:30-17:00

2c. Climate change mitigation

Room: ZHG 006

Chair: CHRISTOPH GORNOTT

- 15:30 HA MY NGUYEN, Hybridizing global carbon finance onto domestic forest governance: Evidence from Vietnam's emission reductions payment program (ID 381)
- 15:45 NURUL SILVA LESTARI, Examining climate mitigation and community benefits of community-based forestry: A systematic review (ID 384)
- 16:00 MARIA VICTORIA DIAZ LOPEZ, Land-use change emissions from cocoa in Côte d'Ivoire: Food systems' contributions to national GHG budgets and potential EUDR noncompliance (ID 803)
- 16:15 DIENDA HENDRAWAN, Agroforestry in the voluntary carbon market: Global patterns and implications for climate mitigation (ID 845)
- 16:30 GEORGE AMENCHWI AMAHNUI, Carbon markets and food system climate change mitigation: Evidence from the clean development mechanism (ID 322)
- 16:45 WRAP UP AND FINAL DISCUSSION

3b. Inclusive food systems and livelihoods

Room: ZHG 011

Chair: LOUIS AMPRAKO

- 15:30 MARIANNA SIEGMUND-SCHULTZE, Towards regenerative, inclusive food systems in Eastern Africa: A multi-level approach (ID 846)
- 15:45 AICHA MECHRI, Sustainability hot spot analysis: A review of methods and case studies from Senegal and Kenya (ID 756)
- 16:00 CARLO AZZARRI, The hidden costs of food systems in Colombia and Peru (ID 78)
- 16:15 MARIA OGUCHE, Livelihoods, and equity in neglected livestock species production: Evidence from Ogun and Oyo states, Nigeria (ID 473)
- 16:30 ADELA LESCAKOVA, Beyond income: Cost-saving livelihoods and women's empowerment in black soldier fly farming, evidence from Zambia (ID 131)
- 16:45 WRAP UP AND FINAL DISCUSSION

4b. Gender and Youth

Room: ZHG 009

Chair: TINA BEUCHELT

- 15:30 PRAPTI BAROOAH, Labour displacement and mechanised direct seeded rice from an intersectional perspective: A case from Odisha, India (ID 751)
- 15:45 VIJESH KRISHNA, When technology restructures the fields: Rising wages, herbicide adoption, and the masculinisation of agricultural employment in India (ID 167)

- 16:00 DARIUS KIAMUE, Barriers to youth adoption of climate-smart agriculture in Liberia: A socio-technical systems approach (ID 490)
- 16:15 PETER ASARE-NUAMAH, Strengthening stakeholders' capacities and behavioural change for sustainable land management: lessons from the participatory learning platform in northern Ghana (ID 471)
- 16:30 FRANCOISE UMARISHAVU, A triangulated perspective on labour conditions in certified vs non-certified coffee farms in Rwanda: Farmer reports, worker narratives, and gender dimensions (ID 799)
- 16:45 WRAP UP AND FINAL DISCUSSION

5b. Biodiversity conservation, restoration and value chain development for underutilised crops

Room: ZHG 008

Chair: SIMONE PFEIFFER

- 15:30 HUGO-ENRIQUE REYES-ALDANA, Biodiversity transitions in coffee and cacao toward climate-resilient agroecosystems in Mexico, Guatemala and Dominican Republic (ID 608)
- 15:45 MADELON LOHBECK, The potential of farmer-managed natural regeneration for restoration in agricultural landscapes (ID 644)
- 16:00 FRANCIS ODOUR, Whose restoration? Direct mobile-money payments, intra-household dynamics, and the limits of digital equity in farmer-led tree restoration in Kenya (ID 679)
- 16:15 KHANT SANDAR HTET, Understanding the farmers' stewardship of neglected and underutilised crops in Timor's drylands (ID 785)
- 16:30 MATEO PAZOS, Seeds of the future: Youth participation, community seed banks and agrobiodiversity in Cumbal, Colombia (ID 211)
- 16:45 WRAP UP AND FINAL DISCUSSION

6a. Digitalisation and AI

Room: ZHG 007

Chair: EIKE LUEDELING

- 15:30 IBRAHIM WANYAMA, Scaling deep and out: Inclusive AI-driven and voice-based digital extension systems for smallholder farmers in East Africa (ID 22)
- 15:45 STEFAN BURKART, Digitalisation in livestock farming: Impacts, trends, and barriers to adoption (ID 119)
- 16:00 PRINCE ASARE, Co-designed scenarios to spatial futures: Integrating CLUMondo and invest to assess divergent multi-stakeholder land-use and NBS priorities (ID 750)
- 16:15 RAMMAH ZWAN, Digital knowledge systems and farmer adoption: Evidence from post-conflict Syria (ID 153)
- 16:30 WRAP UP AND FINAL DISCUSSION

7c. BMZ/giz session: Science and innovation for women farmers: Pathways to climate-resilient, multifunctional agri-food systems

Room: ZHG 010

Chair: THERESA HERBOLD

15:30 Welcome: ALIÉNOR DE CUYPÈRE, GIZ

Opening remarks: THERESA HERBOLD, BMZ

Impulse: ELIZABETH NSIMADALA, President of the Eastern Africa Farmers Federation and ELIZABETH MAANDA SIANGA, award-winning Agronomist, Farmer and Founder of Agro Queens, Zambia (online)

Evidence input: KAREN NORTJE, IWMI

Panel discussion:

- ADEOLA O. OLAJIDE, University of Ibadan
- FRANK RASCHE, IITA
- GENNA TESDALL, YPARD
- JANNA LUISA PIEPER, Georg-August-Universität Göttingen
- STÉPHANE DE MFOUANGOUN, GIZ

Guided poster sessions P4 – 17:15-18:30

1b. Crop health under climate variability: pests, pathogens, and agro-ecological solutions

First floor between ZHG 010 and ZHG 011

Chair: SAMAR SHEAT

- 517| MUHAMMAD AHMED | Drone-enabled precision spraying as a pathway to resource efficient and climate-resilient cotton farming: Evidence from Pakistan
- 19 | ESMAT M. HEGAZI | Intrinsic competition between extant and novel parasitoids (Bracnidae) in the cotton leafworm *Spodoptera littoralis* under laboratory conditions
- 811| MARCEL POLLING | Monitoring (functional) insect biodiversity in tropical agroecosystems: The potential for a DNA-based monitoring approach
- 560| MANOBRATA DAS | SIFS farms as multi-trophic biodiversity refugia across three agroclimatic zones of India
- 574| WINFRED MUGWIMI | Unlocking regenerative farming for climate-resilient crop production in Kenya: Evidence from African indigenous vegetables
- 108| KHUSHBOO GULECHA | Histopathological effect on larval growth and mortality of *Spodoptera litura* (Fabricius)
- 648| STEFAN HAUSER | Storage root and stem yield of improved cassava varieties introduced to Liberia
- 398| PHILIP MIRITI | Preferences for adoption of integrated pest management in Nigeria: A discrete choice experiment approach
- 438| ASHISH KUMA | Integrated bioagent-organic formulations for enhancing seed quality and suppressing soil-borne pathogens in legumes under biotic stress
- 719| AGNES KIRIGA | Ecological intensification of maize-kale systems in Kenya by biofertilisation and push-pull management shifts nematode communities

1i. Sustainable and resilient poultry production

First floor in front of ZHG 105

Chair: REGINA RÖBLER

- 34 | CHRISTIAN LÜCKSTÄDT | Impact of drinking water acidification in broilers: A continental performance analysis
- 157 | MICHAEL YIRDAW BERHE | Effect of hydroponic maize fodder supplementation on growth performance, carcass traits, and economic value of Sasso T44 chickens in Shire, Tigray, Ethiopia
- 40 | ADEKOYEJO SAMUEL OYEGUNWA | Developing a herbal alternative to solve the problem of antimicrobial resistance in broilers production
- 668 | ESTHER MEIER | Improve chicken feeding with local resources in The Gambia
- 227 | MICHAEL OLAOLU | Agricultural extension training needs on climate smart practices among poultry farmers in Ebonyi State Nigeria
- 41 | OLUWOLE SIKIRU BANJO | Roselle powder (*Hibiscus sabdariffa*) improves performance and nutrients digestibility in weaner rabbits

1f. Large ruminant systems and dairy II

First floor between ZHG 008 and ZHG 105

Chair: EVA SCHLECHT

- 831 | ESTHER OJONUGWA OGBOLE | Competition or complementarity? Institutional arrangements and interactions in rangeland carbon projects
- 284 | STEFAN BURKART | From readiness to scale: Financing climate-resilient livestock systems in Africa
- 793 | JAMIA ISMITA | Predicting methane emission from dairy farms in southwest Bangladesh: Steps toward supporting data-driven decision model
- 824 | LIESBETH COLEN | Smallholder exit under structural change: Long-run evidence from Punjab's dairy sector
- 575 | SEWANOU FRIMENCE ALLOGBÈNOU TOSSOU | Biomass production and nutritional value of natural rangelands under two management systems in northern Benin
- 330 | WINFRED SILA | Mapping the red meat market system to inform pastoral livestock breeding programmes in Kenya
- 853 | SANDRINE O. HOUËSSOU | Agroecology in motion: Driving sustainable transitions in peri-urban cattle farming in Benin
- 856 | SHAHIN ALAM | Land-use conflicts and trade-offs between mining, pastoralism, and crop production in Mongolia: A perspective
- 363 | STEFAN BURKART | A farm-level financial framework for sustainable cattle intensification: Evidence from Colombia's Altillanura
- 912 | HABTAMU SIBILU | Interactive effects of soil restoration strategies on nutrient dynamics in the tropical savannah
- 658 | NAMDEV UPADHYAY | Impact of village livestock promoter on buffalo milk productivity in Nepal: A cluster randomised controlled trial
- 663 | FRANCIS MUCIRA MURAGE | Information access, seed market systems and forage adoption: Evidence from smallholder dairy farmers in Kenya

- 720 | STEFAN LIEHR | Rangeland management under pressure – strategies for safeguarding livelihoods and savannah ecosystems in Namibia
- 738 | MOHAMMAD MOHI UDDIN | Climate -resilience dairy in Asia: Implications for economic and environmental sustainability
- 767 | SHUBHAM RANA | VEFS: focus-aware dual-spectrum vegetation isolation for rangeland monitoring across rangelands

2c. Climate change mitigation

First floor in front of ZHG 009

Chair: CHRISTOPH GORNOTT

- 303 | SONJA LEITNER | Current knowledge and research gaps for manure management in sub-Saharan Africa
- 372 | DIYAH SRI UTAMI | Regenerative integrated aerohydroculture within a circular agricultural bioeconomy for flood- and climate-resilient, low-emission paddy systems
- 656 | CHRIS YOUNGMAN | Which countries and income groups are responsible for the environmental footprints of global food trade?
- 716 | ESPHORN KIBET | Potential of selected soil and water conservation practices to reduce greenhouse gas intensity in sub-humid agro-ecozones of Kenya
- 731 | MOHAMMAD MOHI UDDIN | Contribution of milk production to total greenhouse gas emissions in Bangladesh
- 741 | ADRIANA MARTIN | The limits of carbon market integrity: Governance tensions in land -based carbon credits
- 504 | INDRA PERMANA | A web-based greenhouse gas calculator to empower climate-aware young farmers toward low-emission agriculture in Indonesia

3b. Inclusive food systems and livelihoods

Ground floor between ZHG 008 and ZHG 007

Chair: GUDRUN B. KEDING

- 513 | LULE JOSEPH KYANJO | Livelihood dynamics and child nutrition in East African drylands: Evidence from a panel survey in the Karamoja border region of Kenya and Uganda
- 570 | SWE ZIN MOE | When conflict meets the farm: Youth disengagement and system collapse in Myanmar
- 848 | SIMONA TOMANOVÁ | From food safety to climate resilience: CamGAP-certified vegetable value chains in Battambang, Cambodia
- 339 | ALINA ROTH | Determinants of women's willingness to pay for beekeeping kits in rural Kalimantan
- 443 | BERUK BERHANU DESALEGN | Policy coherence for nutrition-sensitive agri-food systems in Ethiopia: Implications for research and evidence-informed practice
- 462 | NOUR EL HOUNDA AMHEZ | Socio-economic conditions and livelihood systems of settled Bedouin households in north and east Lebanon
- 499 | FRANCIS AZUMAH CHIMSAH | Socioeconomic and medicinal dimensions of indigenous knowledge and livelihood resilience on selected native tree species in northern Ghana
- 244 | SOPHIA LÜTTRINGHAUS | Systemic innovation for sustainable agri-food systems: A comparative mapping of international organisations

- 255 | SUSANNE VÖGELE | Restoring landscapes, reshaping livelihoods: Labour allocation, decision-making, and well-being in forest landscape restoration across western Rwanda

3c. Food quality

Ground floor between ZHG 008 and ZHG 007

Chair: DANIEL MÖRLEIN

- 862 | TAIWO AMOA | Consumers' preference for beef quality attributes and modern market system: evidence from Nigeria
- 331 | AYETIGBO OLUWATOYIN | Relating phenotypic traits, aroma and untargeted metabolomes of boiled sweet potato from Uganda
- 457 | MAHOUNAKPON WILFRIED TOSSOU | Sustainable transformation of the West African soft cheese value chain via milk substitution and whey valorisation
- 58 | CHINEDU IMO | Levels of selected physicochemical indices in some tap-water commonly accessed by residents in Wukari, Nigeria
- 478 | DANSTONE ABOGE | Dietary relevance and potential of Kenyan grown quinoa for food applications
- 717 | AYETIGBO OLUWATOYIN | Phenotypic association of textural, sensory, physicochemical, and untargeted aroma of boiled yam in Nigeria
- 795 | CHIKE ONYEKA MADUEKE | From soil to diet: Linking soil micronutrient to hidden hunger in northern Ghana
- 319 | REASON CHARACHIMWE | Utilisation of agri-food by-products within the water-energy-food nexus in sub-Saharan Africa
- 919 | KATHARINA NEUMEIER | From grain to greater nutrition: Solid-state fermentation with *Aspergillus oryzae* enhances nutrient bioavailability and digestibility of cereals – A research contribution conducted within the SoLFOOD project

4c. Rethinking agricultural extension through knowledge co-creation II

Ground floor in front of ZHG 003

Chair: MARIA JOSE RESTREPO RODRIGUEZ

- 677 | EVANS APPIAH KISSI | Bridging competency gaps for sustainability managers in food systems
- 887 | JOERG HENNING | Strengthening participatory veterinary epidemiology and one health education networks for sustainable livestock based socio ecological systems
- 37 | CARLA BALDIVESO | Agricultural living labs: Bridging theory and practice through transformative learning
- 429 | MARCEL GATTO | Citizen science and digital tools for seed system development and agrobiodiversity monitoring
- 745 | NELL DANA RICHTER | The hidden layer of land-use change: Cognitive processes shaping agro-ecosystems in the Amazon
- 723 | SANDRO SCHLINDWEIN | Designing transitions: A systemic mapping of current practices of agricultural systems design
- 749 | ADRIANA BERNAL-ESCOBAR | From intentions to action: Explaining sustainable practice adoption among smallholder oil palm farmers in Indonesia

5d. Crop / tree genetics and conservation

First floor between ZHG 010 and ZHG 009

Chair: OLIVER GAILING

- 38 | TEHREEM MAHMOOD | Sustainable production of health-promoting compounds from melatonin-elicited cultures of *Echinacea purpurea*
- 897 | LUKAS KRUSENBAUM | Genomic prediction highlights the aus and subtropical japonica clades as reservoirs of favourable lateral root architectures in rice
- 902 | STEPHAN WINTER | Securing the future of root and tuber crops: Genetic and agronomic strategies for stress resilience
- 930 | JULIUS KWESIGA | Extension-led early-generation testing for faster, demand-driven bean breeding in East Africa
- 695 | KAZI KHAYRUL BASHAR | Improvement of taxonomical classification of the Lauraceae family using DNA barcoding and RAD-seq approaches
- 97 | ABDEL KADER NAINO JIKA | Hidden diversity in a perceived uniform crop: Linking farmer perception and phenotypic variation in amaranth
- 782 | GAZI NAZMUL HASAN | Genotypic morphological traits affecting ion partitioning and tuber formation in salt stressed sweet potato

6b. Data-driven technologies and innovations for climate-resilient agro-ecosystems

Ground floor between ZHG 010 and 011

Chair: CHIKONKOLO MWEWA MWAPE

- 589 | HASEEB AHMED | Inferring socio-ecological influences on smallholder conjunctive irrigation patterns
- 394 | HOOMAN HOSSEINI | Automating a near real-time satellite rainfall pipeline for digital pastoralist decision support app
- 611 | JANVIER NTWALI | Performance analysis of a solar-storage hybrid system in a remote oil extraction sme in Senegal
- 711 | MUCHIMBA SINZALA | Rainwater harvesting practices among residents of Mutama-Bweengwa, Pemba district, southern province, Zambia
- 732 | JUSTUS OCHIENG | Equitable agricultural mechanisation: A gender perspective of socio-economic benefits of grain shelling in Tanzania
- 393 | ZAKIEH ALIZADEHSANI | Functional assessment of vegetation using knowledge-grounded scene graphs
- 511 | SAKIRATOU KARIMOU M | Comparative analysis of biogas technology profitability and adoption dynamics by rural households in West Africa
- 89 | IBINABO ILABOYA | Evaluation of tractor specific volumetric fuel consumption during harrowing in loamy-sand and clay-loam soils

Online 1h/1i. Camelids, small ruminants and poultry

Streaming in: ZHG 007

Chair: ROLAND MUGUMYA

- 54 | KEBEDE TILAHUN | Thyroid hormones and hematological profiles of goats in contrasting agroecology: Indicators of physiological adaptation
- 170 | FRANCCESS DUDU | Promoting poultry bird performance using phytochemicals as a healthy modulator of gut morphometry in broiler birds
- 127 | ONS TEBOURBI | Breeding schemes integrating health, nutrition and reproduction services boosts small ruminants' productivity across African landscapes
- 819 | MUTAZ BABIKER | Dates in poultry nutrition: Effects on growth, carcass yield, blood traits, and immune response to Newcastle disease and infectious bronchitis in Saudi cockerels
- 178 | ASSEMU TESFA | Impacts of community-based sheep breeding programme to household adaptive capacity towards climate change under extensive livestock production system of Ethiopia
- 489 | KOSSI HELLIOT DOSSEH | Goat crossbreeding for sustainable production and livelihoods in West Africa: Empirical evidence from Benin
- 383 | TARIKU WOLDEYOHANNES | Hematological and hormonal profiles of indigenous sheep populations in contrasting agroecological zones of the Sidama region, Ethiopia
- 665 | ANDONI REZA NUGROHO | The effect of non-genetic factors on reproduction traits of Indonesian Etawah Grade goats
- 415 | SELAMU ABRAHAM | Nomadic and indoor concentrate-based production systems: Impacts on growth, reproduction and hemato-biochemistry of goat bucks
- 881 | ALBAN MUGOTI | Seasonal vegetation dynamics, goat foraging selectivity, and climate-resilient grazing strategies in semi-arid woodlands, northwestern Zimbabwe

Online 1c. Agronomy and soil fertility

Streaming in: ZHG 006

Chair: MUHAMMAD HABIB-UR RAHMAN

- 30 | WAKSHUMA MERGO | Dynamics of soil organic carbon, nitrogen, phosphorus, and aggregates stability under different grassland management types in the Central Rift Valley
- 185 | HAMMOND ABEKA | Determining the proportion of basal to topdress nitrogen that optimises maize yield in northern Ghana
- 348 | GOREMS WELDESEMAYAT | Comparative analysis of organic and inorganic soil amendments on microbial biomass and nutrient dynamics in maize-based systems of Wondo Genet, Ethiopia
- 431 | HÉCTOR PABLO HERNÁNDEZ-ARBOLÁEZ | Effect of marabou (*Dichrostachys cinerea* (L.) Wight & Arn.) on soil properties in agricultural systems in Cuba
- 482 | ANDRE DIATTA | Harnessing *Typha australis* biochar for enhanced soil fertility and pearl millet productivity in semi-arid systems
- 528 | BURHANUDDIN RASYID | Collaboration intercropping, PGPM fertilisation, and Cascara-compost on optimising productivity of sub-optimal land in the tropics
- 638 | HARTINA | Humic acid and gypsum affect phosphorus speciation and rice yield in an acidic paddy soil
- 728 | OLIVER SENANKPON DASSOU | Photosynthetic responses as indicators of potassium use efficiency in oil palm (*Elaeis guineensis* Jacq.) progenies

- 463 | ALFASSASSI AROUNA | Modelling the effects of water and nitrogen fertiliser management on irrigated rice production
- 440 | MARIANA URRABURU | Soil management shapes plant responsiveness to rhizosphere bacterial inoculation: Single strains versus consortium
- 883 | JACOB KAINGO | Soil fertility management practices and yield of nutrient dense crops in refugee settlements in Uganda
- 495 | MANOJ KR CHOUHAN | Effect of bio-inputs on potato (variety: *Kufri Himalini*) grown in rice fallow under agro-ecology based farming system in Assam, India
- 778 | PETER MAGETO | Integrating homemade botanicals and companion cropping improves soil fertility and vegetable productivity under tropical conditions

Online 1e. Agroforestry and plantation systems (esp. coffee & cocoa)

Streaming in: ZHG 009

Chair: MARTIN WIEHLE

- 32 | AGBATAN MARC KOUTCHORO | Effects of harvesting methods and frequency on biomass production and growth of *Afzelia africana*
- 69 | QAMBEMEDA NYANGHURA | Analysing the economics of agroforestry within land use and land cover change: The case of the Baga-Kisimagonja ecological corridor of Tanzania
- 175 | ASIHING KUSTANTI | Sustainable forest management model (Brawijaya smart people & sustainable forest/BSPSF) in Indonesia (case study on mangrove forest)
- 191 | ERIC MENSAH KUMEH | Why agency matters for tackling food security and rebuilding legitimacy in multi-scale cocoa governance
- 340 | MANUAL G. VELASQUEZ RAMIREZ | Irrigation, biochar, and fertiliser management shape cadmium accumulation in cacao beans: Long-term agroforestry field study
- 488 | HERVE ALAIN NAPI WOUAPI | Resilient cocoa agroforestry innovations under climate disturbance: Comparing Loum, Tombel and transcontinental pilot regions
- 789 | SAIKUMAR CHEELURAPPA BHARAMAPPANAVARA | Agroforestry as a nature-based solution for water-scarce drylands: Ecological and economic outcomes from a Melia Dubia-based system in Karnataka, India
- 918 | AHMAD VALIPOUR | Socioeconomic changes and local communities' attitudes towards forest use in the Zagros, Iran
- 929 | ZEYNAB HALLAJ | From forest conversion to climate-resilient agroecosystems: Impacts of land-use change on ecosystem services and local well-being in the Hyrcanian forest region of Iran

Online 4a. Institutions, finance, and productivity in agricultural value chains

Streaming in: ZHG 008

Chair: N. N.

- 13 | OLAWALE OLUFEMI MOSES AKINRINDE | Who bears the climate burden? Resource governance, inequality, and the political economy of environmental risk
- 159 | DARA ADEDUNTAN | Rainfall shocks, labour migration, and the climate adaptation deficit: Remittances as a missed opportunity in small holder maize systems in southwest Nigeria

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- 182| SUWILANJI SINYANGWE | Circular food systems as a policy pathway for climate-resilient agro-ecosystems in eastern and southern Africa
- 184| JOE ASSOUA | Preferential trade, economic growth and poverty reduction in sub-Saharan Africa
- 382| BERNHARD FREYER | Lessons from and for the AU-EU food and nutrition security and sustainable agriculture (FNSSA) roadmap
- 496| CRISTINA ROMERO GRANJA | Market price dominance in contract breach: A double lasso approach using experimental data from Ecuador
- 539| VINÍCIUS DA SILVA CAMARGO | Is it possible to price nature? Looking from the perspective of ecosystem economics and biodiversity
- 689| ALBRECHT WEIGEL | Risk sharing or risk transfer? Proximity patterns for environmental justice in agri-food supply chains
- 698| THOMAS MUSEMBI | Scaling solar drying technologies for smallholder farmers in Kenya: Adoption barriers and policy interventions
- 840| DIETRICH DARR | A discrete choice experiment to measure the potential market for baru nuts: Evidence from European consumer preferences

Online 7e. Gender equality and inclusion in food, land, and water systems by 2050: Projections and solutions

Streaming in: ZHG 010

Chair: RANJITHA PUSKUR AND PRAMA MUKHOPADHYAY

- 309| ELS LECOUTERE | Envisioning a more equitable future for food, land, and water systems by 2050
- 315| MARLENE ELIAS | Equitable governance and resource rights: Pathways to inclusive and resilient agrifood system-based livelihoods
- 467| RANJITHA PUSKUR | Building equitable resilience capacities under polycrisis: Gendered pathways and solutions
- 533| ELIZABETH BRYAN | Looking ahead – gender and inclusion in food, land and water systems in 2050
- 744| NIYATI SINGARAJU | Solutions for digital inclusion and digital innovations for inclusion by 2050
- 790| JESSICA HECKERT | Supporting young women to thrive and drive transformation in food, land and water systems
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THURSDAY 17.09.2026

Special event – Conference dinner and Party I 19:00 - 23:00



The conference dinner will be organised in the Faculty of Geosciences and Geography (Goldschmidtstrasse 3-5) in all floors and outdoors. We will start at 19:00, followed by the party up to 23:00. Get ready for vibrant international music to dance to!

Shuttle bus to and from the conference dinner

Departure to the North Campus at 18:30 and at 19:00 from bus stop “Platz der Göttinger Sieben”.

Departure to the city centre at 21:30, 22:00 and at 22:30 from the bus stop „Tammanstraße“ to bus stop “Platz der Göttinger Sieben”.

In addition, **public transport** is available from “Platz der Göttingen Sieben”

at 18:24 (bus 22), 18:42 (bus 22), and 19:12 (bus 21) to “Goldschmidtstrasse”

From the North Campus to the city centre at 21:24 (bus 22), 21:54 (bus 21), at 22:24 (bus 22), 22:54 (bus 21), and last bus at 23:24 (bus 22)

The walking distance from the Central Campus to the Goldschmidtstrasse 1-3 is in total 2.6 km (35min).

Programme overview– Friday 18.09.2026

09:00-10:30	Parallel oral thematic sessions IV All sessions are streamed via the whova platform	
10:30-11:00	<i>Coffee and tea break</i>	ZHG Foyer
11:00-12:15	Plenary – Keynotes by Dr. Alice Laborte and Prof Dr. Patrick Roberts and discussion	ZHG 011
12:15-12:30	Conference review Dr. ERIC SMALING	
12:30-12:40	Photo competition - best photo / best photo series	
12:40-12:50	Conference review by the student reporters	
12:50-13:00	Poster awards	
13:00-13:15	Closing remarks and handing over to the University of Giessen, Germany	
	End of Tropentag 2026	
14:00	Post- conference excursions: Forum Wissen, Göttingen Tropical Greenhouse in Witzenhausen and to the Teaching, Research and Transfer Center for Organic Farming and Sustainable Regional Development, Frankenhausen, Forest botanical garden, Göttingen	Meeting point at ZHG Foyer

FRIDAY 18.09.2026

Parallel oral thematic sessions IV – 09:00 - 10:30

1c. Agronomy and soil fertility

Room: ZHG 007

Chair: JOÃO VASCO SILVA

- 09:00 FERNANDA NAN, Electrolysis-based nitrogen fertilisers: Opportunities for import substitution, sustainable and resilient food systems (ID 747)
- 09:15 DORCAS SANGINGA ALAME, Agronomic and economic performance of integrated soil fertility management across an organic matter continuum and climate variability (ID 768)
- 09:30 BRIGHT SALAH FREDUAH, Beyond single indicators: Composite indexing of soil fertility managements for maize intensification in northern Ghana (ID 818)
- 09:45 MASHITA CHIEWATTANAKUL, Do long-term management practices impact tea soil properties and plant yield? Insights from Sri Lanka (ID 567)
- 10:00 CARLA CRONAUER, Malagasy smallholder farmers' understanding of soil quality processes: Understanding perceptions and adoption intentions by evaluating mental models (ID 273)
- 10:15 WRAP UP AND FINAL DISCUSSION

1e. Agroforestry and plantation systems (esp. coffee and cocoa)

Room: ZHG 010

Chair: DEOGRATIAS KOFI AGBOTUI

- 09:00 ERMIAS TEFERI, The contribution of ecosystem restoration and agro-forestry practices to biodiversity conservation in Ethiopia: A systematic literature review (ID 199)
- 09:15 CHAIMA MOBARAK, Food sovereignty across a rural–peri-urban gradient: Transformations of traditional agroforestry systems in the High Atlas of Morocco (ID 279)
- 09:30 MARGHERITA SQUARCINA, Farmer responses to market liberalisation: The role of cooperatives in the Rwandan coffee sector (ID 442)
- 09:45 RENATE WOLFER, Distribution, use, and governance of wild mango stands in north-eastern Pakistan (ID 807)
- 10:00 ISAAC BALUME, Linking agroforestry and soil conservation practices: Shaping soil fertility in smallholder coffee systems of Africa (ID 844)
- 10:15 WRAP UP AND FINAL DISCUSSION

3c. Food quality

Room: ZHG 011

Chair: DANIEL MÖRLEIN

- 09:00 FREDERICK MOLEYE, Kumbu yams: Nutrition dense, underutilised staples for equitable, climate smart food systems and rural livelihoods (ID 114)

- 09:15 RICHARD ATINPOORE ATUNA, Nutritional, pasting, and sensory attributes of some Ghanaian cereals-, root-, tuber-, and plantain-based complementary blends as influenced by spontaneous fermentation (ID 142)
- 09:30 OLUWASEUN BAMIGBOYE, Participatory modelling of the water-energy-food nexus: A case study of a cassava processing hub in Oyo state, Nigeria (ID 411)
- 09:45 WIGDAN OMER, Understanding meat consumption patterns and use of naturally occurring food additives (NOFA) in urban Rwanda (ID 800)
- 10:00 MATTHEW ATONGBIIK ACHAGLINKAME, Process optimisation for enhanced yield and quality of West African soft cheese: Effects of temperature control and coagulant concentration (ID 454)
- 10:15 WRAP UP AND FINAL DISCUSSION

4c. Rethinking agricultural extension through knowledge co-creation

Room: ZHG 008

Chair: MARIA JOSE RESTREPO RODRIGUEZ

- 09:00 EVA WELTZIEN, Farmer research networks for food system innovations (ID 624)
- 09:15 QUINTER AOKO, Knowledge acquisition in farmer field schools: Agroforestry knowledge co-creation processes in Kilifi county, Kenya (ID 758)
- 09:30 MEHWISH ZUBERI, What farmers already know: Outscaling indigenous innovations towards climate-resilient agro-ecosystems in South Punjab, Pakistan (ID 519)
- 09:45 IPYANA MWANGOMBA, Strengthening participatory approaches for expanding and deepening learning about farmer preferences: Insights from farmer-managed seed systems in Malawi (ID 115)
- 10:00 TESFAYE BERHANU WOLDEYOHANES, Scaling regenerative agriculture through peer-led extension: Causal evidence from the village-based advisor model in Kenya (ID 657)
- 10:15 WRAP UP AND FINAL DISCUSSION

5c. Agroecology, conservation, and restoration in farming landscapes

Room: ZHG 006

Chair: TOBIAS PLIENINGER & CLAUDIA HEINDORF

- 09:00 LAURA CALDERON ACERO, Agrobiodiversity as a conservation mechanism in protected highland landscapes: A socioecological perspective from the Colombian Andes (ID 594)
- 09:15 CARLA BALDIVIESO, State formation and grassroots collective action: Historical governance of grasslands and savannahs in Argentina, Colombia, and Paraguay (ID 36)
- 09:30 FERDINAND ADU-BAFFOUR, Aligning restoration with social systems: How household preferences shape social cohesion in landscape restoration in western Rwanda (ID 516)
- 09:45 JAMES BORRELL, Integrating agrobiodiversity with area-based conservation strategies to deliver effective multifunctional landscapes (ID 703)

- 10:00 ESTHER WARUINGI, Stakeholder perspectives in forest and landscape restoration and their interaction patterns (ID 623)
- 10:15 WRAP UP AND FINAL DISCUSSION

5d. Crop / tree genetics and conservation

Room: ZHG 009

Chair: OLIVER GAILING

- 09:00 SHIV SHANKAR SHARMA, Enhancing genetic diversity and climate resilience in *Brassica juncea* using crop wild relatives and progenitor species through integrative pre-breeding (ID 297)
- 09:15 ABADI TESFAY ABAY, Tree diversity enhances leaf water status and soil moisture during dry periods: Evidence from IDENT-Ethiopia (ID 318)
- 09:30 MANSOR HAKIMAN, Polyploidy induction in 'Bentong' ginger as a strategy for genetic improvement (ID 700)
- 09:45 MICHAEL DOLAPO ADESOKAN, Linking consumer preferences, processing performance and demand-driven cassava breeding for inclusive food systems in sub-Saharan Africa (ID 843)
- 10:00 PAUL DEUKER, Breeding for portfolios: A risk-oriented perspective on yield stability and food security (ID 896)
- 10:15 WRAP UP AND FINAL DISCUSSION

Plenary session Friday 18.09.2026 | 11:00 – 12:15

- 10:30 – 11:00 *Coffee break* ZHG Foyer
- 11:00 – 12:15 **Keynote speeches |** ZHG 011
- Moderation: **PROF. DR. EVA SCHLECHT**, University of Göttingen and University of Kassel



DR. ALICE LABORTE

Geospatial Scientist at International Rice Research Institute (IRRI), Philippines

Transforming Asia's rice systems: Integrated pathways to climate-resilient, low-emission, and inclusive futures

Alice Laborte is a Geospatial Scientist at the International Rice Research Institute (IRRI), where she leads the Digital and Spatial Landscape Transformation Research Unit and coordinates IRRI's research program in the Philippines. She applies geospatial technolo-

gies, systems modelling and digital solutions to improve understanding and decision-making in rice-based agricultural systems.

She works with research, government, and development partners to shape strategies that respond to national priorities and the interconnected challenges of climate change, food security, and sustainable resource use. She has also played a key role in developing and institutionalizing national platforms for rice mapping and monitoring, pest surveillance, and climate-informed decision support in the Philippines. Her work helps translate scientific evidence into better-targeted innovations and policies that support farmers and decision-makers across the agricultural sector.

She holds a PhD in Production Ecology and Resource Conservation from Wageningen University in the Netherlands, a Master of Geographic Information Systems from the University of Queensland in Australia, and a Bachelor of Science in Statistics from the University of the Philippines Los Baños.



PROF. DR. PATRICK ROBERTS

Max Planck Institute of Geoanthropology, Germany

Living with forests: insights from the past into land 'use' for climate resilient ecosystems and futures

As Director of the Department of Coevolution of Land Use and Urbanisation, Patrick is committed to pioneering and applying multidisciplinary approaches to studying long-term relationships of our species and the Earth system, including research across the latitudinal tropics. This includes combining state-of-the-art approaches in field- and lab-based archaeological science, remote sensing, palaeoecology, history, computational archaeology, and land use modelling. In 2021, Patrick was awarded the Heinz Maier Leibniz Prize, the top award for early career investigators in Germany and the first time that it has been awarded to an archaeologist and in 2024, he received the Thuringian Research Prize from the Thuringian Ministry of Economics, Science, and Digital Society

for fundamental research. As part of his aims to make his work accessible to the public, Patrick also wrote the popular book 'Jungle: How Tropical Forests Shaped the World and Us' published by Penguin/Viking Random House in 2021.

12:15-12:30	Conference review, DR. IR. ERIC SMALING
12:30-12:40	Photo competition - best photo / best photo series (Let's Plant e.V.)
12:40-12:50	Conference review by the student reporters
12:50-13:00	Poster Awards
13:00-13:15	Closing remarks and handing over to the University of Giessen, Germany

End of Tropentag 2026

Thank you very much for your attendance and see you next year at TT27 in Giessen.

Three excursions and one discussion round in Forum Wissen are offered in the afternoon. Get more information and sign up for them at the info point.

14:00 – 15:30 Visit the forest botanical garden on the North Campus, University of Göttingen

15:00 – 18:00 Participate in a discussion round and coffee tasting in the science space "Forum Wissen" in Göttingen

15:00 – 19:00 Visit of the Teaching, Research and Transfer Center for Organic Farming and Sustainable Regional Development in Hessian State Domain Frankenhäusen

15:00 – 18:00 Visit of the Tropical Greenhouse in Witzenhausen

