



DAAD-CIPSEM SDG-Alumni Project

Expansion of alumni's competencies and network activities in the field of
"Food systems and forest products:
the role of sustainable consumption and production (SCP)"



12. – 18. September 2023, CIPSEM, TU Dresden
followed by participation in the Tropentag

sponsored by



Federal Ministry
for Economic Cooperation
and Development



Deutscher Akademischer Austauschdienst
German Academic Exchange Service

Concept

The alumni training seminar addresses strategies for implementing sustainable land/agroforestry systems, nature-based solutions, and land management. Policy-relevant questions have been explored, such as

- (i) What do sustainable food systems look like from a natural resource perspective?
- (ii) (How can resource efficiency be improved to enhance food security?)
- (iii) How can the transition to sustainable food systems be managed?

To ultimately drive a shift towards nature-friendly consumption and production, collaboration among key stakeholders will be essential. Therefore, strategies and best practices of communication on sustainable consumption and production need to be discussed.



Learning objectives

Participants

- know about
 - o the concept of sustainable consumption and production (SCP) and its value for sustainable development,
 - o the 2030 Agenda and its Sustainable Development Goals (SDGs),
 - o the concept of planetary boundaries.
- are aware of key elements of effective national policy planning and governance to promote SCP strategies.
- can identify favorable conditions for mainstreaming and implementing SCP policies and programs, including sectoral policies and multi-stakeholder initiatives.
- can determine key challenges and opportunities for advancing SCP strategies (e.g., demand-supply and sustainable behaviors and lifestyles) in the context of sustainable food systems and forest value chains.

In addition to professional development, another goal is to strengthen and expand partnership relationships among alumni of international and development-related study programs and with facilitators as a basis future collaboration in the alumni network. It is a clear to foster South-South communication and cooperation be fostered, strengthening networks between the sectors of science, politics, business, civil society and international development organizations. Another goal is to stimulate dialogue between disciplines and different levels of action. In addition, future collaborations or research projects with German universities and research institutions can be initiated, which enables a long-term commitment of the alumni to Germany.



Methods

- Sensitization and orientation for the challenges of land management - compiled and presented in keynotes and posters of the participating alumni. In the following discussions the professional exchange and knowledge transfer between all participants will be deepened.
- Teaching of scientific basics and practice-oriented instruments for the implementation of integrative and actor-oriented approaches through lectures, workshops and discussions with TUD and external facilitators.
- Excursions to innovative small and medium-sized enterprises in the Dresden area.
- Strengthening interaction and networking among alumni through a participatory program concept and sufficient space for social activities.



Preparatory Online Phase

During a preparatory **online meeting** participants have discussed the concept idea for case studies in small groups. Within these small groups, participating alumni have acted as peer consultants and reviewers for case studies to be presented during the alumni workshop and to some extent during the Tropentag conference. During the online phase, the participants already had access to our learning management system (LMS) NEO which serves as a central depository for learning management and offers tools for easy collaboration.

This meeting has also been an opportunity to discuss organizational issues regarding travel preparations, and for general questions.

Agenda of the seminar in Dresden

Monday, 11 September 2023

Arrival of alumni

Tuesday, 12 September 2023

08:30 – 08.45 **Welcome and Introduction** – *CIPSEM (Dr Anna Görner, Dr Patrícia Gallo, Ms Dominique Schmachtel)*

08.45–10.15 **Navigating Planetary Boundaries for Sustainability** - *Ms Fernanda Martinelli, ZEF Bonn, CIPSEM Alumna*

Learning Goals

- understand how the concepts of Planetary Boundaries, Doughnut Economics, and the SDGs are connected;
- understand how to measure progress in each of these frameworks (Planetary Boundaries, Doughnut Economics, and the SDGs);
- learn and discuss strategies to keep the global food system within the planetary boundaries;
- learn and discuss strategies for achieving circular food systems in cities (Amsterdam Doughnut).

Didactical methods:

- Lecture
- Group work with visualization (flipcharts, moderation walls)
- Joined discussions

10.15–10.30 coffee break

10.30–12.00 **Navigating Planetary Boundaries for Sustainability** *Ms Fernanda Martinelli, ZEF Bonn, CIPSEM Alumna*

continued

12.00–13.00 lunch break

13.00-14.30 **Doughnut Economics and the Path to a Sustainable Food System-** *Ms Fernanda Martinelli, ZEF Bonn, CIPSEM Alumna*

continued

14.30-14.45 coffee break

14.45-15.30 **Doughnut Economics and the Path to a Sustainable Food System**

continued

15.30-15.45 coffee break

15.45-16.30 **Networking** – Getting to know each other



Wednesday, 13 September 2023

08.45–10.15 **Food Nexus** – *Dr Anna Görner, TU Dresden, CIPSEM*

Learning Goals:

- Define the Food Nexus and explain its significance in the global food system
- Evaluate the environmental impact of food production, including resource use, greenhouse gas emissions, and biodiversity loss.
- Analyze the pros and cons of various food production practices.

Didactical methods:

- Lecture
- Discussions
- Quiz

10.15-10.30 coffee break

10.30-12.00 **Group Discussion: exploring factors affecting the intention-behavior gap when trying to adopt a sustainable diet** – *Moderated by Dr Patrícia Gallo / Ms Dominique Schmachtel, TU Dresden, CIPSEM*

Learning goals: From ecological and health perspective consumers should practice sustainable diets. People who are already willing to do are often confronted with the intention-behavior gap, caused by a range of internal and external factors. Therefore, the aim of this group discussion is to explore the participants' opinions towards this topic.

- Evaluate the impact of advertising, culture, and socioeconomic factors on food choices.
- Explore the role of consumer awareness and behavior in promoting sustainable food choices.

Didactical methods:

- Discussions
- Group work
- Visualization exercise

12.00-13.00 lunch break

13.00–14.30 **A Healthy Diet for a Healthy Planet: what the Food Sustainability Index and other sustainability indicators can tell us** – *Dr Anna Görner, TU Dresden, CIPSEM*

Learning Goals:

- Explain the concept of food sustainability and its significance for both human health and the environment.
- Describe what the Food Sustainability Index is and how it is calculated.
- Identify the key criteria and indicators used in the FSI to assess food sustainability.
- Explore the connection between dietary choices and their impact on sustainability.
- Suggest dietary choices and habits that align with food sustainability principles and understand the principles of the Planetary Health Diet.
- Discuss other sustainability indicators and tools used to assess the environmental and social impact of food systems.
- Compare and contrast different indicators to gain a holistic view of food sustainability.

Didactical methods:

- Lecture
- Groupwork with interactive map
- Discussions

14.30–15.00 coffee break

15.00-16:30 **Exploring how local food systems can best support food security - Accounting for interactions and drivers across scales to aim for maximum resilience of food systems** - *Dr Anna Görner, TU Dresden, CIPSEM*

Learning Goals:

- Identify strategies to promote a more sustainable and equitable food system.
- Discuss the importance of sourcing food locally and seasonally for sustainability.

- Examine the impact of food transportation and globalization on sustainability.

Didactical methods:

- Lecture
- Discussions

Thursday, 14 September 2023

08.45 – 10.15 **Carbon neutral products = Sustainable Products (?)** – Ms Astrid Manciu, FOR-LIANCE (online session)

Learning Goals:

- Concept of Carbon Neutrality
- What are carbon markets and how do they work
- Current State of Debate on Carbon Neutrality

Didactical methods:

- Lecture
- Discussions

10.15-10.30 coffee break

10.30-12.00 **What can we learn from transition theory about arriving at more sustainable food systems?** - Dr Markus Egermann, Leibniz Institute of Ecological Urban and Regional Development, IOER

Learning Goals:

- Introduction to food systems and transition theory
- Contributions to food system change and relevant sustainability challenges
- Analytical framework for food systems transformation
- Transitions dynamics and important drivers and barriers to food system change at a societal perspective

Didactical methods:

- Lecture
- Discussions

12.00-13.00 lunch break

13.00–14.30 **Vertical Farming: The Future of Sustainable Food Production?** – Ms Juliane Dziomla & Ms Atiqah Fairuz Salleh, United Nation University, UNU-FLORES

Learning Goals:

- Food systems transformation: the need for a sustainable overhaul
- Aligning with the 2030 Agenda (SDG targets)
- Overview of different vertical farming systems

- Current ways of assessing the sustainability of vertical farms
- Challenges and opportunities for the three dimensions of sustainability
- Towards a whole-of-society approach: the importance/role of acceptance
- Assessing social acceptance of vertical farming
- Case studies

Didactical methods:

- Lecture
- Discussions

14:30–15:00 coffee break

15:00–16:30 **Forest Food Systems: Concepts and Application for Sustainable Consumption and Production** – Ms Sri Astutik & Dr Eckhard Auch, Tropical Forestry Department, TU Dresden

Learning Goals:

- Coining and definition of forest food systems and sustainable consumption and production (SCP)
- Food chain and food waste
- Product life cycle
- Circular economy
- Forest Food Systems:
 - Case Study of Rural Medicinal Plants in Java, Indonesia
 - Recommendation for Global Food Systems
 - Sustainability-Steps for a holistic implementation of SCP
 - Tool to Develop Sustainable Consumption to Production: Participative Innovation Platforms

Didactical methods:

- Lecture
- Group Discussions

Friday, 15 September 2023

Excursion Day: Experiencing approaches towards greening food supply chains

08:15 Departure by bus to Radebeul

09:30 Arrival and welcome at "DeinHof"

09:30–10:30 **Introducing the concept of community supported agriculture**
DeinHof-Team and CIPSEM team

Learning Goals:

- Getting to know community supported agriculture as one way of
- strengthening and greening local supply chains from production to

- consumption while also being socially just
 - Understanding how CSA can contribute to bridging the urban-rural
- division and as a way of awareness raising
 - Gaining insight into the diversity of CSA approaches in Germany and
- the participant's home countries

Didactical methods:

- Input talk, Q&A
- Discussions



11:00–12:00

Guided tour of “DeinHof” premises with focus on benefits and challenges of organic agriculture

DeinHof-Team and CIPSEM team

Learning Goals:

- Experiencing the benefits of organic agriculture in terms of soil fertility and biodiversity
- Gaining insights in how CSA can address challenges of organic agriculture such as increased labor input

Didactical methods:

- Guided tour, Q&A



12:30 – 13:15 Transfer by bus and train to „Biomarket & Bistro Neustadt“ of the “VG Verbrauchergemeinschaft für umweltgerecht erzeugte Produkte eG” (consumer association for environmentally friendly products, registered cooperative)

13:15 -14:15 lunch break

14:15 – 15:30 **Supporting green and fair food supply chains through trade and consumption – insights from a growing regional player**
 - VG Verbrauchergemeinschaft staff supported by CIPSEM team

Learning goals:

- Understanding how it has been possible to grow a viable network of local producers and consumers from nearly zero to more than 11.000 active members (success factors and challenges which have been addressed)
- Gaining insights into innovative approaches that make it possible to address social fairness, as well as economic and ecologic sustainability in the VG organic markets (from a cooperative business model to digital shopping and CO₂-emission neutral delivery)

Didactical methods:

- Input presentation and discussion
- Guided tour, Q&A

15.30 – 16.00 Return to CIPSEM by public transport

Saturday, 16 September 2023

08.45–10.15 **Presentation of Case Studies** of the Alumni on case studies regarding the seminar topic (part 1) – *Alumni, moderation by CIPSEM*

Learning Goals:

- Participative learning and teaching including different perspectives and situations/problems in the home countries
- Getting to know challenges in the participant's countries regarding the sustainability of food and forest systems, especially considering consumption and production.
- What do countries have in common and what can we learn from each other?
- Alumni get to know each other (networking)

Didactical methods:

- Presentations & Poster Exhibition in the seminar area of CIPSEM

Schedule

- **Oral Presentation:** Beyond Meat and Wood: Overcoming Challenges in Implementing Silvopasture Systems for Sustainable Agriculture in Uruguay – Roberto Scoz
- **Posters:**
 - Smallholders and Ecological Restoration: Understanding Local Perspectives and Priorities in Southeast Brazil – Mayra Flores
 - Participatory Decision-Making for Climate-Smart Agriculture Technologies: A Case Study in Rohal Suong Climate-Smart Village, Battambang Province, Cambodia – Leakhena Song
 - Perception of smallholder farmers on efficacy of ecological farming in Traditional Authority Mpama, Chiradzulu district, Malawi – Yamikani Makwinja

10.15–10.30 coffee break

10.30–12.00 **Presentation of Case Studies** of the Alumni on case studies regarding the seminar topic (part 2) – *Alumni, moderation by CIPSEM*

- **Oral Presentation:** Exploring the Potential of REDD+ for Promoting Sustainable Production and Consumption: A Case Study of Mandal Soum, Selenge Province, Mongolia– Maralgoo Ganbat
- **Posters:**
 - Factors affecting the transition to the long-rotation plantation of timber smallholders. A case study in Quang Tri province, Central Vietnam – La Thi Tham

- Contribution of Community Forests to Sustainable Food Production: A Review on a Model Community Forest Project in Myanmar – May Zin
- Food Security and Sustainability through Geographical Indications (Gis) Protection System for Honeybee's Producers Communities within Forest Peripheries – Sri Oktavia

12.00–13.00 Joint lunch break prepared by CIPSEM team

13.00-14.30 **Land use decisions and resilient agro-ecological landscapes: the case of tropical forest frontiers in the Upper Peruvian Amazon- Serious Game methodology** - Ms Mayra Flores – *International Climate Protection (Humboldt) Fellow*

Learning Goals: Small-scale farmers play a crucial role as essential stakeholders in the Peruvian Amazon Forest frontier. These farmers can be key protagonists in ensuring food security and promoting sustainable forest management, particularly in the face of deforestation and the loss of primary forests. However, the decision-making process regarding deforestation and land use change for these peasants is influenced by various external factors specific to their context.

To create interventions that support resilient agroecological landscapes, it is essential to understand better the context in which these farmers operate. By bridging the gap between research and development projects, the game's objective is to incorporate the realities of smallholders in the Peruvian Amazon Forest while also providing a flexible framework that can be applied in other contexts and with different stakeholders.

Didactical methods: Game – Role Play

14.30-15.00 coffee break

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while also providing a flexible framework that can be applied in other contexts and with different stakeholders.

Didactical methods: Game – Role Play



Sunday, 17 September 2023

08.45–10.15 **Presentation of Case Studies** of the Alumni on case studies regarding the seminar topic (part 3) – *Alumni*, moderation by CIPSEM

- **Oral Presentation:** Land for food production or energy production? Investigating challenges and solutions for competing land uses – Gideon Ofodu-Peasah
- **Posters:**
 - The Effects of Cocoa Production and Consumption on Biodiversity Loss and Ecosystem Services – Patrick Opoku
 - Empowering smallholder farmers for sustainable land management in Tanzania's semi-arid areas; the Resilient Food Systems Project – Leinalida Mabale
 - Promoting Food Security Through Conservation Agriculture: A Case Study of Intensifying Sustainable Farming Practices among Smallholder Farmers in Zimbabwe – Oliver Kuwa

10.15–10.30 coffee break

10.30–12.00 **Presentation of Case Studies** of the Alumni on case studies regarding the seminar topic (part 4) – *Alumni, moderation by CIPSEM*

- **Oral Presentation:** Zero direct-discharge of paddy water program to reduce non-point source nutrients entering into water: A case study in Pinghu county, Zhejiang Province, China – Liu Ying
- **Posters:**
 - Treated Wastewater usage for Agriculture in water stress areas: A Case Study in Sialkot, Pakistan – Jawaad Shafiq
 - Building Resilience in Tajikistan's Mountainous Regions: Fruit-based Agroforestry for Climate Adaptation and Food Security – Qumriya Vafodorova
 - Sustainable production of pistachios in dealing with climate change in central plateau of Iran – Narges Saffar

12.00–13.00 Joint lunch break prepared by CIPSEM team

13.00-14.30 **Fish Banks Simulation - Moderated by CIPSEM team, TU Dresden**

Learning Goals: The aim of the game is to inform people about using natural resources effectively and prudently and insight into industry contributions to more sustainable systems and their challenges. Topics also include economics (from single fishermen to large fishing companies), overfishing, catch rates and sustainable fishing to conserve the fish populations.

Didactical methods:

- Role play dynamic (simulation)
- Flip charts, moderation walls, computers for profit/loss calculation

14.30-15.00 coffee break

15.00-16.30 **Fish Banks Simulation, continued - Moderated by CIPSEM team, TU Dresden**



19.00-22.00 **International Dinner** prepared by participants, optional

Monday, 18 September 2023

08.45–10.15 **Presentation of Case Studies** of the Alumni on case studies regarding the seminar topic (part 5) – *Alumni, moderation by CIPSEM*



▪ **Posters:**

- Identifying Powerful Actors in Community Forestry for Effective Sustainable Forest Management: A Case Study in Son La Province – Ngo Duy Bach
- Forest-based Bioeconomy in Argentina: Identifying Social Actors and Dominant, Marginal and Alternative Discourses – Julián Daniel Mijailoff
- Effectiveness of improved cookstoves in promoting sustainable food consumption: A case study of a rural community in Meghalaya, India – Subha Niranjana
- Review on challenges and future directions of sustainable consumption of bamboo in Ethiopia – Haweni Habtamu
- Sustaining Livelihoods and Empowering Women through Edible Wild Mushrooms in Zambia – Bwalya Mpange
- The impact of agroforestry systems on the reduction of forest fires. Case study in the tropical Andes of Cochabamba, Bolivia – Miguel Ángel Levy

- Entrepreneurial pathways of the Amazonian cocoa-chocolate value chain: a success associative story in San Martin, Peru – Jeimy Katherin Feo Mahecha

10.30–11.30 **Feedback Round & Evaluation**

Learning goals:

- Lessons learned
- Potential for implementation projects/ideas in home countries (Action Plan)
- Feedback for CIPSEM on seminar program
- Next steps

Didactical methods:

- moderation walls
- Discussion round

12.00-13.30 joined lunch break at CIPSEM

13.30-14.00 Transfer to historic city center by public transport

14.00-16.00 **Guided tour through Dresden's city center and historical insights** - Petra Gürtler (*Professional Guide*)

16.00 Free time

Tuesday, 19 September 2023

10.00 Administrative check-out at CIPSEM

12.30 Joint departure to Berlin – Tropentag Conference 2023 "Competing pathways for equitable food systems transformation: trade-offs and synergies".