

Storyline "Towards sustainable agricultural land use"

Wednesday 1 November 2023 15:45 (1h 15m)

1. Introduction (Hans-Jörg Vogel)
2. Towards an optimization of agricultural management for maintaining carbon storage and nutrient cycling (Evgenia Blagodatskaya & Thomas Reitz)
3. Soil biodiversity as a driver for agricultural production (Mika Tarkka)
4. BODIUM - a systemic approach to simulate soil functions in agricultural systems (Sara König, Ulrich Weller, Julius Diel, Lucas Kanagarajah, Thomas Reitz, Judith Rüschoff, Leonard Franke, Ute Wollschläger & Hans-Jörg Vogel)
5. OPTAIN - Optimal strategies to retain and re-use water and nutrients in small agricultural catchments in Europe (Michael Strauch)
6. Improving ecosystem services of agricultural landscapes through altered management - an Opportunity Map approach for Northwest-Saxony (Irina Heiß, Matteo Wolf, Andrea Kaim)
7. Quantitative assessment of cropping adaptation in German agricultural land use using DroughtMAS (Mansi Nagpal)
8. Model-based exploration of leverage points to foster sustainable nitrogen management in German agriculture (Kaja Jurak, Christoph Müller, Rohini Kumar, Andreas Musolff, Sara König, Andrea Kaim, Birgit Müller)
9. Farmer decision-making on agri-environmental schemes: An agent-based modelling approach to evaluate different policy designs (Birgit Müller)
10. Conversion to community-supported agriculture: potentials and challenges (Lukas Egli, Julia Palliwoda)
11. Understanding behavioral factors for implementing agroforestry systems: a case study from cacao farming in Ecuador (Tatiana Rodríguez, Julian Rode)
12. Convenient Solutions, Inconvenient Truths - Why supermarkets will not drive food system transformation (Hanna Helander, Simone Schnepf, Theresa Stetter, Francesca Ferrara, Sina Leipold)
13. Payments for coordinated biodiversity conservation (Martin Drechsler)
14. Sustainable agriculture? We know what needs to be done, so why do EU policies fail to do it? (Guy Pe'er)
15. Transformative Biodiversity Policy in Agricultural Landscapes (Yves Zinngrebe et al.)
16. Regulating EU transboundary investments in agricultural land to protect the environment (Eva-Maria Schatz)

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Session Classification: Breakout Session