3.5 Sustainable nutrient management in intensive farming: stakeholder engagement & nature-based solutions

September 18, 13:45-15:15

Convenors:
***Andrea Knierim**, University of Hohenheim, Germany*
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Purpose: Intensive farming practices present substantial challenges to sustainable nutrient management. This session seeks to explore effective stakeholder engagement (ESE) strategies that drive the implementation and dissemination of Nature-Based Solutions (NBS), aiming to transform intensive farming practices towards sustainability. We welcome submissions that explicitly incorporate practitioners' perspectives, showcase local and regional impacts of NBS, offer insights into value chain dynamics, and underscore the societal relevance of the ESE in the application of NBS.

Thematic Outline: On the basis of a number of selected cases, the session will offer a forum for exchange, targeted discussions, and practical insights on effective interactions for the implementation and spread of NBS. Examples may come from recent EU-induced research and other cases from around the world. Abstracts are expected to briefly sketch the conceptual bases, the context, and the challenges to which the NBS application is responding. A focus of the abstract shall be given to the process and the results of the science-practice cooperation and the authors' conclusions. Discussion in the session will target the potentials of the presented cases to contribute with NBS to a transformation of intensive farming systems towards increasingly sustainable practices and a reduction of negative social and ecological external implications. Submissions that explicitly include practitioners' perspectives, reflect NBS' impacts at local and/or regional levels, or within value chains, and reveal their societal relevance are particularly welcome.

Outcome: As a result, convenors will summarize key takeaways of the discussion and explore options for potential collaborative communication and dissemination ahead. Societal relevance is emphasized by addressing real-world challenges, empowering stakeholders, and fostering collaborative efforts for impactful transformations in intensive farming practices. Abstracts are welcome which provide a concise overview of the conceptual foundations, contextual factors, and challenges that drive the ESE in the application of NBS. Authors are encouraged to delve into the process and outcomes of science-practice cooperation, elucidate the collaborative process, and showcase tangible and intangible outcomes by encompassing the perspectives of practitioners, policymakers, and/or community representatives.

Title of session 3.5 Sustainable nutrient management in intensive farming: stakeholder engagement & nature-based solutions		
Oral presentations		
No.	**ID**	**Title of abstract**
1	ID 109851	Advocating nature-based solutions - the case of emerging markets of organic fertilizer in Kenya and Cote d´Ivoire
2	ID 109494	Nature-based Solutions for Socio-Ecological Transformation in Intensive Agricultural Systems: A comparative study of combining scientific trials with stakeholder engagement
3	ID 108555	A local stakeholder perspective on biomass-based carbon-dioxide removal - a case study from Northern German agricultural sector
Poster presentations (poster spaces in the poster session)		
1	ID 108993	NBS to Regenerate Po Plain Rural Landscapes: a Multi-Scale and Multi-Stakeholder Approach
2	ID 108662	Valorizing organic sources for soil amendments in Ethiopia
3	ID 109662	Market Forces and Power Dynamics: Unraveling Turkish Cotton Farmers' Engagement with the Better Cotton Initiative