

Solutions for sustainable agri-food systems under climate change and globalization



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EGU Session ITS1.12 - 7 May 2020 - AGENDA

10:45	Introduction & welcome by the conveners Carole Dalin, Matti Kummu & Marta Tuninetti	<u>conveners</u>
10:55	Drivers of multi environmental impacts embodied in international rice trade. D Caro & F Sporchia	<u>Dario Caro</u>
10:59	Representative meat consumption pathways for sub-Saharan Africa and their local and global energy and environmental implications. G Falchetta, N Golinucci, and M Noussan	<u>Giacomo Falchetta</u>
11:03	Discussion (chaired by Marta T)	<u>Caro, Falchetta</u>
11:11	The multiple interactions of banana production, biodiversity trade & climate in Philippines. A M Ortiz	<u>Monica Ortiz</u>
11:15	Scaling-up sustainable intensification practices for rice production in East Africa. R Burtscher, T Kahil, M Smilovic, D Luna, et al., and Y Wada	<u>Diana Luna, Mikhail Smilovic</u>
11:19	Discussion (chaired by Marta T)	<u>Ortiz, Smilovic, Luna</u>

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11:27	Agricultural water consumption and crop prices. B Falsetti, E Vallino, L Ridolfi, and F Laio	<u>Benedetta Falsetti</u>
11:31	The water footprint of different diets in European sub-national geographical entities. D Vanham	<u>Davy Vanham</u>
11:35	Discussion (chaired by Marta T)	<u>Vanham, Falsetti</u>
11:43	Hydro-climatic and anthropic determinants of spatio-temporal variability of crop water footprint. S Tamea, M Tuninetti, and M Rolle	<u>Stefania Tamea</u>
11:47	Water resources conservation and nitrogen pollution reduction under global food trade and agricultural intensification. W Liu, H Yang, M Kummu, J Liu, and P Ciais	<u>Liu Wenfeng</u>
11:51	Discussion (chaired by Marta T)	<u>Tamea, Liu</u>

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11:59	Analyzing German transformation pathways' alignment with national and global climate and sustainability goals in the FABLE framework. U A. Schneider and J Steinhauser	<u>Jan Steinhauser</u>
12:03	Impacts of Land Use Change on Food Security in Nigeria: An integration of stakeholder participation in bioeconomic modelling. K A Ivo	<u>Amanda Ivo</u>
12:07	Discussion (chaired by Marta T)	<u>Steinhauser, Ivo</u>
12:15	Towards an artificial carbohydrates supply on Earth. F Dinger and U Platt	<u>Florian Dinger</u>
12:19	Climate SMART Agriculture: How well does the agricultural sector in Luxembourg perform in terms of climate change? E Stoll, C Schader, T Bohn, et al., and S Zimmer	<u>Evelyne Stoll</u>
12:23	Discussion (chaired by Marta T)	<u>Dinger, Stoll</u>
12:30	Closing remarks	<u>Conveners</u>

Call for papers
ENVIRONMENTAL RESEARCH LETTERS – special issue
Sustainable food systems



- ✧ Trade-offs or synergies between environmental, economic, and social outcomes of food systems
- ✧ Meeting future food demand within planetary boundaries
- ✧ The role of food trade in food system sustainability and resilience
- ✧ Nutrition- and income-sensitive adaptations to climate change and variability

 https://iopscience.iop.org/journal/1748-9326/page/Focus_on_Sustainable_Food_Systems

Submission Deadline: 30 November 2020