



ESA 2022

Call for Abstracts

**European
Society for
Agronomy**
XVII. Congress
2022

Diversification & Digitalisation -
Trends that shape future
agriculture

29 August - 02 September 2022,
Potsdam, Germany



European Society for Agronomy

XVII. Congress 2022 // 29 Aug. - 02 Sep.

Rationale: Agriculture is under pressure.

Climate change, increasing food demand and biodiversity decline call for responses from farmers and governance. New strategies promote a stronger role of crop and animal production for climate change mitigation. At the same time, farmers seek for ideas to adapt their production to a changing climate, and to an increasing demand for biodiversity- and environment-friendly production. Understanding the various impacts on crop production for the development of new opportunities relies on experiments, simulation models and on-farm experience. Digitalisation supports new arrangements of crops, which require new knowledge from science for agronomy.

Aims of the congress:

- Explore agroecology and other system approaches to re-design agriculture for increasing biodiversity and reducing pesticides
- Highlight recent advances in crop diversification and digitalisation to support innovations and transformations in production systems
- Demonstrate emerging simulation tools and methods to support new strategies in cropping system design
- Identify key challenges for agronomy research towards integrated crop-livestock systems of tomorrow



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Keynote speakers:

Marta Vasconcelos // Universidade Católica Portuguesa

Senthold Asseng // Technische Universität München

Riccardo Bommarco // Sveriges lantbruksuniversitet

Luis Lassaletta // Universidad Politécnica de Madrid

and others

General Programme (main sessions):

I. Increasing resilience and resource efficiency of cropping systems (Experiment, theory and simulation to support new strategies).

E. Le Cadre & J.E. Olesen

II. Towards pesticide-free agriculture (Increasing biodiversity and reducing pesticides at the landscape scale). *X. Reboud & H. Smith*

III. Protein strategies, circularity and enhanced crop rotations (Identifying key challenges for agronomy research towards sustainable crop-livestock systems of tomorrow). *M. Rufino & M. Reckling*

IV. Crop diversification and digitalisation to support transformations in agricultural production (Robotics and sensors enable innovative cropping systems). *K. Grahmann & J. Lowenberg-DeBoer*



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// KEYNOTES // SCIENTIFIC SESSIONS //
POSTER SESSIONS // SATELLITE WORKSHOPS

Conference chair // Prof. Claas Nendel,
Leibniz Centre for Agricultural Landscape Research (ZALF)

Important Dates //

28 Feb. 2022 Deadline for abstract submission

31 May 2022 Abstract acceptance

10 June 2022 Open Registration

20 July 2022 Early Bird registration closes

20 Aug. 2022 Regular registration closes

For registration and more information visit

[HTTPS://ESA-CONGRESS-POTSDAM2022.DE](https://esa-congress-potsdam2022.de)

Location // Potsdam-Griebnitzsee, Germany



Hosted by //



Leibniz Centre for
Agricultural Landscape Research
(ZALF)



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