



**Iberian Meeting on
Agroecological
Research**

Establishing the
ecological basis for
sustainable agriculture

22/23 November 2018

Évora / Portugal

Programme



1st Iberian Meeting on Agroecological Research Establishing the ecological basis for sustainable agriculture

Land conversion for agricultural purposes and the intensification of farming practices are major threats to ecosystems worldwide. Currently, nearly 50% of global land surface has been transformed by direct human action for agricultural purposes, with significant negative ecological and social consequences. In this unprecedented context, more environmentally sensitive farming practices are unquestionably required.

Agroecology is the study of the ecology of terrestrial agricultural systems. It provides a scientifically rigorous basis for sustainable croplands by taking into consideration all those ecological aspects that need to be addressed for the conservation management of production landscapes. Agroecology is thus aimed at guiding research and decision-making for food production and security, while committed with the conservation of biodiversity and its associated ecosystem functions and services, essential for sustainable agriculture.

In response to the burgeoning interest showed by researchers on agroecological studies in Spain and Portugal, the University of Évora, the Research Centre in Biodiversity and Genetic Resources (CIBIO – Évora) and the Institute of Mediterranean Agricultural and Environmental Sciences (ICAAM) organized the 1st Iberian Meeting on Agroecological Research (*ibagreco*).

The organization of *ibagreco* welcome you to Évora, and hope that you enjoy the visit, and find the programme of this first Iberian Meeting on Agroecology stimulating and thought-provoking.

Thursday **22** November 2018

08:15 Registration

09:00 Opening Cerimony

Session I

Chair: José M. Herrera

09:15 **Keynote speaker: José M. Rey Benayas.** Restoration in agricultural landscapes for enhancing biodiversity and its services without competition for land.

09:50 **Joana Santana.** Are farming systems useful indicators of biodiversity for high natural value grasslands?

10:05 **Adara Pardo.** Farmland biodiversity across diverse European agricultural systems: assessing the effect of Green and Blue Infrastructure.

10:20 **Ana Costa.** Seasonal variations in the effect of structural complexity of olive production systems on bat activity: implications for natural pest control services.

10:35 **Ana I. Leal.** Does grazing affect ground-foraging birds in Mediterranean agroforestry systems?

10:50 **Elena Velado-Alonso.** Exploring livestock biogeographical regions. A tool for agro-ecological planning and nature conservation.

11:05 Coffee Break

Session II

Chair: Hugo Rebelo

11:30 **Nereida Melguizo Ruiz.** Soil communities under pressure: agricultural intensification impacts invertebrate abundance and diversity.

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- 11:45** **Evan A. N. Marks.** Management and evolution of rural green infrastructures for pollinator protection.
- 12:00** **Carmelo Gómez-Martínez.** Bumblebees' community composition and pollination specialization change in response to habitat fragmentation in an agricultural landscape in southern Norway.
- 12:15** **Pedro Costa.** Cattle-driven forest disturbances impact ensemble composition and activity levels of insectivorous bats in Mediterranean wood pasture.
- 12:30** **Alejandro Trillo.** Use of commercial bumble bees to pollinate strawberry crops and their spillover to natural habitats.
- 12:45** **Margarita Reverter.** Effects of crops on the space use and habitat quality of steppe birds: the Dupont 's lark case.
- 13:00** **Lunch** - Room 129

Session III

Chair: Sónia Santos

- 14:15** **Keynote speaker: Pedro Beja.** Mainstreaming DNA metabarcoding in agroecology: a short review on challenges and opportunities.
- 14:50** **Sasha Vasconcelos.** Cascading effects of olive farm intensification on phytophagous insects and their natural enemies.
- 15:05** **Francisco M. Usero.** Influence of organic matter availability on plant-soil interactions.
- 15:20** **Aitana Ares.** Towards sustainable agriculture: Innovative solutions for Psa from the microbiome of Actinidia deliciosa.
- 15:35** **Alicia Tenza.** Supporting decision-making processes: evaluation of policy options to the sustainability of a small agro-system in the face of climate change.
- 15:50** **Coffee Break**

Thursday **22** November 2018

Session IV

Chair: Ignasi Bartomeus

- 16:15 Unai Baroja.** Bats take advantage of numerous pest arthropods in vineyards systems: a metabarcoding approach.
- 16:30 Amparo Lázaro.** Disentangling direct and indirect effects of habitat fragmentation on pollination service: natural communities within agricultural landscapes.
- 16:45 Violeta Hevia.** Exploring the effect of a green infrastructure on wild bee abundance and pollination services in adjacent sunflower fields.
- 17:00 Rui Morgado.** The effects of olive farming intensification on Mediterranean breeding bird assemblages.
- 17:15 Ana Júlia Pereira.** Effects of human management on the diversity of plant communities associated to traditional Mediterranean olive groves.
- 17:30 Pedro Reis.** Traditional olives groves: the agroecology as the best path.
- 17:45 Poster session - Room 115**
- 18:35 Cocktail - Room 129**

Friday **23** November 2018

08:15 Registration

Session V

Chair: Amparo Lázaro

09:00 **Keynote speaker: Montserrat Vilà.** Biological invasions and agroecosystems.

09:35 **Ignasi Bartomeus.** Species turnover promotes the importance of bee diversity for crop pollination at regional scales.

09:50 **Maria José Leiva.** Diversity at different organization levels. Importance for biological pest control in agroecology - A review.

10:05 **Jonatan Rodríguez.** Methods to control the invasion of *Acacia melanoxylon* for recovering native agroforestry systems.

10:20 **Alberto Jiménez-Gómez.** Málaga community gardens: review and future perspectives.

10:35 **José Muñoz-Rojas.** What drives land-use changes and their sustainability in Mediterranean agro-ecosystems?: a view from SW Iberia.

10:50 **Telmo Costa.** Impact of family farming practices in the environment.

11:05 Coffee Break

Session VI

Chair: Javier Rodríguez-Pérez

11:30 **Sara Palomo-Campesino.** Exploring the connections between agroecological practices and ecosystem services supply: A systematic literature review.

11:45 **Luis Pablo Ureña Cámara.** Consumers' valuation of pasture-based livestock products through sustainability attributes.

Friday **23** November 2018

- 12:00 Mariana Couto.** Bringing transhumance back to life as an option for the future: collection of nine years de experience.
- 12:15 César Fernández-Quintanilla.** Using a middle-way strategy for weed management in dry-land cereal systems in Central Spain.
- 12:30 María Almagro.** Plant residue quality mediate soil organic matter stabilization in an organic rainfed Mediterranean woody cropping system.
- 12:45 Eva Hernández Plaza.** Functional characterization of weed communities help to explain their effects on crop performance.
- 13:00 Lunch**

Open Session

- 14:00 Keynote speaker: Stéphane Bellon (INRA).** Agroecology in action - Institutionalization at the interface between science, practices, social movements and public policies.
- 14:20 María Bastidas (LIFEMONTADO-ADAPT Project).** Climate adaptation at farm level: the experience of the LIFEMontado-Adapt project.
- 14:40 Gonzalo Palomo Guijarro (Mosaico Project).** A participatory strategy for fire prevention in Alta Extremadura.
- 15:00 José Eugenio Gutiérrez (LIFEOLIVE-ALIVE project).** Designing an olive cultivation model to recover biodiversity and profitability.
- 15:20 Coffee Break**

Friday **23** November 2018

- 15:50** **Teresa Pinto Correia** (ICAAM). Sustainable agriculture: from science to practice.
- 16:05** **Nuno Oliveira** (Esporão S.A.). Fostering a Science-Based Cooperative Ecosystem in Organic Vineyard Management.
- 16:25** **Enrique Vega Rubio** (Finca Casablanca). Grazing management in pasture ecosystems.
- 16:45** **Open discussion**, moderated by Teresa Pinto Correia.
- 17:35** **Ibagreco 2018 Closing Ceremony**

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