

Scientific committee

- S. Asseng, CSIRO, Australia
  - J.M. Barbier, INRA Montpellier, UMR Innovation, France
  - M. Benoit, INRA Mirecourt, dpt SAD, France
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  - M. Genard, INRA Avignon, UR PSH, France
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  - P. Hinsinger, INRA Montpellier, UMR EcoSol, France
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  - R. Lifran, INRA Montpellier, UMR Lameta, France
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  - F. Maraux, CIRAD Montpellier, dpt Persyst, France
  - M. Morison, INRA Grignon, France
  - N. Munier-Jollain, INRA Dijon-INRAVEA, France
  - M.L. Navas, Montpellier SupAgro, UMR Cefe, France
  - B. Ney, AgroParisTech & Académie de l'Agriculture, France
  - J. Nyamangara, Dept. Soil Science & Agricultural Engineering, University of Zimbabwe, Zimbabwe
  - J. Porter, University of Copenhagen, Denmark
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  - M. van Ittersum, WUR and Seamless, The Netherlands
- J. Wery, Montpellier SupAgro, France - ESA Président

Organizing committee

- I. Bastie, Montpellier SupAgro, France
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- S. Renoir, CIRAD Montpellier, France
- M. Salas, Agropolis International, France
- N. Villemejeanne, Agropolis International, France

**Chair:** Jacques Wery  
(Montpellier SupAgro - ESA Président)  
[www.esagr.org](http://www.esagr.org)

**Contact:** Brigitte Cabantous – Agropolis International  
[agro2010@agropolis.fr](mailto:agro2010@agropolis.fr)  
Tel. +33 (0)4.67.04.75.84  
Fax. +33 (0)4.67.04.75.99  
[www.agropolis.fr/agro2010](http://www.agropolis.fr/agro2010)



# XI<sup>th</sup> ESA Congress Agro2010Montpellier

the International Scientific  
Week Around Agronomy

**CALL FOR PAPER**



**29 August – 03 September 2010**  
Corum conference center  
and La Gaillarde campus

[www.agropolis.fr/agro2010](http://www.agropolis.fr/agro2010)

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# Scope of the event

The XI<sup>th</sup> ESA congress creates the opportunity to organise an **International Scientific Week, AGRO2010 Montpellier, combining several symposia around agronomic research and its contribution to sustainable development.**

## Call for paper

• Proposals for contributions (oral or poster) must be submitted before **February 15, 2010** on the AGRO2010 web site. It must be submitted as a **2-pages paper** (including illustrations and main references), using the template on the web site.

• All accepted contributions with an **author registered before June 30** will be published in a **book of proceedings**. Selected contributions will be invited to prepare papers for **specials issues of international journals**.

## Key dates

- **October 30, 2009:** start of 2-pages paper submission
- **January 15, 2010:** start of registration
- **February 15, 2010:** deadline for 2-pages paper submission
- **June 15, 2010:** deadline early bid registrations

# Provisional program

## August 29 (afternoon):

### Registration; Welcome reception

Movie presentation and Public Conference on 'Agriculture and Sustainable Development' (Chair A. Capillon, Montpellier SupAgro)

## August 30: S1 - International symposium 'Agronomy for Sustainable Development' (Chairs: B. Hubert and J. Wery).

With high level contributions opening the dialogue between scientists, policy makers and stakeholders on the major challenges for Agronomic Research in Europe and in the developing countries.

## August 31: Parallel symposia on scientific advances and challenges of interdisciplinary research around Agronomy

### ▪ S2.1- Co-designing plants and crops for new targets (Chairs: F. Tardieu and G. Hammer).

At the crossroads of plant physiology, genetics and agronomy this symposium will cover the following questions: how to combine genetics and management to design new crops for new challenges: adaptation to climate change, low input, biofuels, green chemistry... ?

### ▪ S2.2 - Ecological intensification of cropping systems in European, Mediterranean and Tropical environments (Chairs: J.D. Lebreton, M.L. Navas and J.L. Chotte).

At the crossroads of ecology – soil science and agronomy this symposium will cover the following questions: how to produce more with less land and input ? What can we expect from soil and ecological regulation management in cropping systems ? How to define trade-offs between production and ecosystems services in cropping systems ?

### ▪ S2.3 - Assessment and design of agro-ecological technologies and policies for sustainable development in agricultural regions (Chairs: R. Lifran, M. van Ittersum and J. Wery).

At the crossroads of economy and agronomy this symposium will cover the following questions: how to design and assess policies that are effective and efficient in realizing policy and societal objectives? How to design cropping systems to cope with policy objectives, farmers constraints and economic conditions?



## September 1<sup>st</sup>: 'The Heart and the Art of Agronomy' : scientific advances and challenges of Agronomy as a Science – sessions organised by the three new ESA divisions

### ▪ S3.1 - Crop System Biology: The functioning of the plant in a field (Chairs: D Habash and J. Wery).

This symposium covers research on plant function and development in the context of a cultivated field. Emphasis is on the function of individual plants in plant populations utilising both laboratory, field and model based science including phenology, architecture, photosynthesis, transpiration, mineral nutrition, stress, plant competition and source-sink interactions. Focus is sought on research linking genomic, genetic and crop physiology approaches.

### ▪ S3.2 - Field Scale Agroecology: The cultivated field as an ecosystem (Chairs: M. Morison and C. Gary).

Focus is on the systemic approach to design and assess cropping systems at field level, responding to various objectives: pest protection, water, nutrients and energy efficiency, food and feed supply... It will identify scientific outcomes and challenges for ecological intensification of multifunctional cropping systems in the face of global change.

### ▪ S3.3 - Cropping Systems at Farm, Regional and Global Scales: the Cropping System in its embedding systems (Chairs: O. Christen and M. Benoit).

This symposium will cover research relevant to agricultural production and its environmental effects on the farm, the regional and the global level.

It will link research on different time scales with various regional scales and will identify major methodological advances in complex assessment systems using indicators systems and modelling approaches.

## September 2<sup>nd</sup> (in parallel)

### Innovation and decision aid in agriculture: which roles of research and which partnerships ? (Chairs: J. Boiffin and F. Maraux).

This symposium will illustrate and analyse how research in agronomy can contribute to a sustainable agricultural progress, in both African and European contexts, through various types of deliverables and through diverse modes of interaction between research, farmers and their organizations, extension services and agro industry.

### ▪ Agriculture and Culture in Languedoc-Roussillon: field tours combining meetings with farmers, tasting of regional products and visits of monuments.

## September 2<sup>nd</sup> to 4<sup>th</sup>: International course on 'Methods for working with dynamic system models' - organised by INRA (D. Wallach, D. Makowski, S. Roux), the University of Florida (J. Jones) and Montpellier SupAgro (A. Metay)

## September 5<sup>th</sup> to 10<sup>th</sup> : International course on 'Integrated Assessment of Agricultural Systems' - organised by IAM.M (H. Belhoucette), the SEAMLESS Association (M. van Ittersum) and Montpellier SupAgro (J. Wery).