

With the auspices of:



EUROPEAN SOCIETY FOR AGRONOMY



ALMA MATER STUDIORUM
UNIVERSITÀ DI BOLOGNA



FACOLTÀ DI AGRARIA
ALMA MATER STUDIORUM - UNIVERSITÀ DI BOLOGNA



Società Italiana di Agronomia
Italian Society for Agronomy



ASSOCIAZIONE ITALIANA
SOCIETÀ SCIENTIFICHE AGRARIE

X CONGRESS OF THE EUROPEAN SOCIETY FOR AGRONOMY

Multi-functional Agriculture

Agriculture as a Resource for Energy
and Environmental Preservation

www.esagr.org

BOLOGNA, ITALY
15 - 19 SEPTEMBER 2008

UNIVERSITY OF BOLOGNA - FACULTY OF AGRICULTURE

SCIENTIFIC COMMITTEE

ESA PRESIDENT: Prof Paola Rossi Pisa (Chairman)

Mariusz Fotyma (ESA Past President)

Jacques Wery (ESA President Elect)

Marcello Donatelli (ESA General Secretary)

Andrea Segrè (Dean of the Faculty of Agriculture)

Marco Acutis • Marco Bindi • Pietro Catizone

Holger Meinke • Maria Inés Mínguez Tudela

John R. Porter • Pier Paolo Roggero • Graham Russell

Hartmut Stützel • Francisco Villalobos

ESA: Division Chairmen

Division 1 - Crop physiology, production and management - **Sven Eric Jacobsen**

Division 2 - Agroclimatology and agronomic modelling - **Marco Bindi**

Division 3 - Plant-soil relationships - **Witold Grzebisz**

Division 6 - Agriculture-environment relationships - **Olaf Christen**

SESSION 1 - AGRICULTURE TO PRESERVE ENVIRONMENT

Chairmen:

Olaf Christen (Martin-Luther-University, Halle-Wittenberg, Germany)

Witold Grzebisz (University of Poznań, Poland)

Sven Eric Jacobsen (University of Copenhagen, Denmark)

Pier Paolo Roggero (SIA President, Sassari University, Italy)

Hartmut Stützel (Leibniz Universität Hannover, Germany)

Keynote speakers:

Markus Flury (Washington State University, Pullman, USA)

Maria Inés Mínguez Tudela (Universidad Politécnica de Madrid, Spain)

Alicja Pecio (Institute of soil science and plant cultivation, Pulawy, Poland)

SESSION 2 - NEW FRONTIERS IN CROP PRODUCTION

Chairmen:

Giovanni Dinelli (University of Bologna, Italy)

Melvyn Askew (Agricultural Rural Strategies, York, UK)

Roberto Tuberosa (University of Bologna, Italy)

Keynote speakers:

Alejandro Cifuentes (Inst. of Industrial Fermentations, Madrid, Spain)

Merja Penttilä (VTT, Finland)

Calliope Panoutsou (Imperial College London, UK)

Thierry Simonneau (INRA, Montpellier, France)

Geoff Fincher (University of Adelaide, Australia)

SESSION 3 - CLIMATE CHANGE AND AGRICULTURE

Chairmen:

Giampiero Maracchi (CNR-IBIMET, Firenze, Italy)

Francisco Villalobos (University of Cordoba, Spain)

John Roy Porter (KVL, Taastrup, Denmark)

Keynote speakers:

Bernard Seguin (INRA, Avignon, France)

Frank Chmielewski (Humboldt Universität, Berlin, Germany)

Jorgen Olesen (University of Tjele, Denmark)

Peter Kuikman (ALTERNIA, Wageningen, The Netherlands)

FINAL DISCUSSION:

Marco Bindi (University of Firenze, Italy)

RATIONALE

In the present global situation, agriculture plays a major role in the interaction between socio-economic and biophysical processes. In addition to its principal and fundamental role of providing food, it now needs to consider other ecosystem services provided by agriculture and to explore the new frontiers for the future.

In the 50's of the 20th century the major topic was the introduction of inorganic fertilizers, in the 60's the use of synthetic compounds for plant protection (insecticides, herbicides, fungicides), in the 70's industrial crops, in the 80's organic farming and the environmental impact of agronomic practices, and in the 90's genetically modified crops (herbicide tolerance, insect resistance). In the current decade the themes are: land and water degradation, the production of agricultural biomass for bio-energy, and the increased expression of functional compounds in crops.

The Bologna X Congress of ESA "Multi-functional Agriculture - Agriculture as a Resource for Energy and Environmental Preservation", will meet the needs of finding tools to deal with environmental problems coupled with the increasing demand for food, and filling the knowledge gap on the physiological relationships between functional compound biosynthesis and agricultural practices.



Members of the European Society for Agronomy already have a deep knowledge of these issues, and the Bologna ESA Congress will provide an opportunity to develop them further particularly in regard to innovative agricultural techniques, new energy sources and better environmental monitoring.

THE GOALS OF THE CONGRESS ARE:


- Identify new perspectives and frontiers for European agriculture in the third millennium, collecting together the major inputs from the public and private agri-food sector (Commercial R&D, Universities, Research Institutes).



- Encourage cross-cutting studies of monitoring, prediction and evaluation of the effects of climate change and variability on the rural environment, and on the related social aspects.

Monday, September 15	14:00	Registration
	16.00-17.00	<i>Opening</i> (ESA President, Dean, Rector, Representatives of Local Institutions)
	17.00-18.30	2 KEYNOTE PRESENTATIONS of Relationship between Policy and Agriculture Research, Representatives of Italian Ministry of Agriculture and EU
	18.30	<i>Welcome Reception</i>

		SESSION 1 AGRICULTURE TO PRESERVE ENVIRONMENT	SESSION 2 NEW FRONTIERS IN CROP PRODUCTION	SESSION 3 CLIMATE CHANGE AND AGRICULTURE
Tuesday, September 16	Morning	Land and Water Conservation: Erosion; pollution control (Phytoremediation) <i>Chairman: P.P. Roggero</i>	 Functional foods and nutraceuticals Fine chemicals and biomaterials from agriculture <i>Chairman: G. Dinelli</i>	TECHNICAL EXCURSION TO THE RESEARCH FIELD OF DISTA 
	Afternoon	Agronomic techniques for preserving ecosystem services <i>Chairman: S.E. Jacobsen</i>		

Wednesday, September 17	Morning	Technologies for Biodiversity conservation: Interaction between natural resources and agriculture <i>Chairmen: H. Stützel, O. Christen</i>	Biomass and energy production <i>Chairman: M. Askew</i>	Assessment of the vulnerability of agricultural systems and areas <i>Chairman: G. Maracchi</i>
		Discussion Session 1		
		Vegetation and Seed bank dynamic <i>Chairman: W. Grzebisz</i>		
	Afternoon	POSTER Session 1 - 2 - 3 ESA ASSEMBLY		
Evening	<i>Social Dinner</i>			

Thursday, September 18	Morning		Genomics for a more sustainable agriculture <i>Chairman: R. Tuberosa</i> Discussion Session 2	Adaptation <i>Chairman: F. Villalobos</i>
	Afternoon		TECHNICAL EXCURSION TO THE RESEARCH FIELD OF DISTA	Greenhouse gas emissions from agriculture <i>Chairman: J.R. Porter</i> Discussion Session 3
	FINAL DISCUSSION			

Friday, September 19	Full day	 POST CONGRESS TOUR Visit to the Research Field of Ozzano, wetland and tour of Ravenna, the city of mosaics, farewell party on the beach 
---------------------------------	----------	---

GENERAL INFORMATION

REGISTRATION FEES

The registration form has to be sent no later than **September 5, 2008**.

After this date, the registration forms will be accepted, but some services (as lunches and coffee breaks) could not be guaranteed.

	Before June 30, 2008	After June 30, 2008
• ESA MEMBERS	€ 310,00	€ 370,00
• NON ESA MEMBERS	€ 360,00	€ 420,00
• STUDENTS	€ 220,00	€ 270,00
The registration fee includes: - Congress kit - Coffee breaks and Lunches - Technical excursion to the Research Field of DiSTA		
• ACCOMPANYING PERSONS	€ 100,00	
The registration fee includes: - Coffee breaks and Lunches - Bologna Tour		
• <i>Social Dinner</i> - September 17	€ 50,00	
• Post Congress Tour - September 19	€ 80,00	

PAYMENT

- The registration fees must be free of charges or bank commission. Please specify your Surname and First Name along with the Congress name as reason of payment.
- Please send the receipt or the copy of the payment to the Organizing Secretariat, otherwise the access to the Congress will not be allowed. Bring and show it also at the Reception Desk at your arrival to the Congress.

METHODS OF PAYMENT

- **Bank cheque** "non-negotiable" made out to Avenue Media
- **Bank wire transfer**
From Italy: Banca Popolare dell'Emilia Romagna, Bologna, Agenzia 7, current account made out to Avenue media s.r.l
IBAN Code: IT 15 V 05387 02406 000000437531
Outside Italy: IBAN Code: IT 15 V 05387 02406 000000437531
BIC Code: BPMOIT22XXX
SWIFT Code: BPMOIT22XXX - current account no. 437531
- **Credit card** directly on the following website: www.avenuemedia.eu (Congress section) or fill in the section on the registration form



HOTEL

The Hotel reservation is available on the website:

www.avenuemedia.eu

(Congress section)

ABSTRACT SUBMISSION

- Deadline for abstracts submission: **May 24, 2008**
- After abstract acceptance, deadline for short communication submission: **June 15, 2008**

■ **Abstract instructions** on the website: **www.avenuemedia.eu** (Congress section)

WiFi service

A WiFi service will be available at the Congress upon request at the Reception for all the registered participants.



CONGRESS VENUE

**University of Bologna
Faculty of Agriculture**
Viale G. Fanin, 50 - Bologna (Italy)



HOW TO GET THERE

Train: from Bologna railway station take the bus n. 35, stop at "CAAB – Viale Fanin".

Taxi: available at the railway station (tel. +39 051 534141-372727).

By car: from the motorway take the "Tangenziale" towards Fiera, then take the Exit 9 S. Donato towards Minerbio/Granarolo, continue for 1 km, at the 1st roundabout turn right and continue along viale T. Carnacini (directions CAAB/Facoltà di Agraria), at the 2nd roundabout turn right and continue along viale Giuseppe Fanin.

Closest Airports: Bologna Airport, about 20 minutes by taxi or by bus; Forlì Airport, about 60 minutes by taxi or by bus.

Car park: a large car park is available within the Faculty of Agriculture.

Avenue Media® - Milano - Bologna

SCIENTIFIC SECRETARIAT

**DEPARTMENT OF AGROENVIRONMENTAL
SCIENCES AND TECHNOLOGIES**
UNIVERSITY OF BOLOGNA

Viale Fanin 44, Bologna, Italy
Tel: +39 051 2096657 Fax: +39 051 2096241

Prof. **P. Rossi Pisa** • e-mail: pppisa@agrsci.unibo.it

Dr. **N. Gaspari** • e-mail: nicola.gaspari@unibo.it

ORGANIZING SECRETARIAT

 **Avenue media®**
Milano - Bologna

Via Riva Reno, 61 - 40122 Bologna
Tel. +39 051 6564300 - Fax +39 051 6564334
congressi@avenuemedia.eu - www.avenuemedia.eu

 Sistema Qualità Certificato - UNI EN ISO 9001:2000 - Sezione Congressi

Thanks to



**FONDAZIONE
CASSA DI RISPARMIO
IN BOLOGNA**

For registration and further information: **www.avenuemedia.eu** (Congress section)