

Tuesday, October 14



INTERNATIONAL CONFERENCE • 2008



Today's schedule:

- **08:20-10:10**
Building innovative approaches
 - **10:40-12:30**
Sustainable tactics and strategies
 - **14:00-16:00**
Poster session
 - **16:00-18:00**
Concurrent sessions:
 - Decision support systems
 - Integrated weed management
 - Integrated pest management
 - INCO workshop
 - **19:00**
Conference dinner (see story, page two)
- On page two:**
- System case studies explained
 - ENDURE results

Today's weather:



Interview: taking the global view

ENDURE web editor Andrew Lewer speaks to Rudy Rabbinge (below), Chairman of the Consultative Group on International Agricultural Research (CGIAR) Science Council and University Professor at Wageningen University and Researchcenter, The Netherlands, about Monday's presentation in the *Issues and challenges* session

Andrew Lewer: What message should conference guests take away with them?

Rudy Rabbinge: That there is again ample opportunity for crop protection research and an urgent need for crop protectionists to contribute through their research to Millennium Development Goal One, to reduce poverty and hunger.

AL: You identified megatrends: what will this mean for crop protection?

RR: Crop protection is well placed to increase ecological literacy and to develop productive, biologically sound and ecologically advanced



cropping systems.

AL: Is Europe well placed to deal with the challenges?

RR: Europe is very well placed. There is a high level of professional education of

farmers, an excellent research capacity and good relations between the scientific community and practical application in the production chain.

AL: How important is a conference like this one?

RR: It brings together the specialists and helps to set the research agenda of the future with appropriate prioritisation.

A resume of this presentation, *What the near future holds for world agriculture and what it means for crop protection*, is now available online at www.endure-network.eu.

Working together, ENDURE and countries outside Europe

This afternoon at 16:00 ENDURE will host a workshop that aims to provide the opportunity for scientists from both inside and outside Europe to get together and identify relevant areas of common interest and ideas for collaboration, along with potential funding sources.

The workshop will take the form of a series of round table discussions and presentations, with all participants, particularly those from outside Europe, encouraged to express their views.

Participants should be prepared to briefly present their ideas for fostering the



participation of partners from outside Europe with ENDURE participants and to identify and develop common areas of interest relevant to the objectives of ENDURE.

"The value of this meeting is in the hands of the participants," said co-organiser Alex Percy Smith.

"And it is especially important that participants from countries outside Europe express their views," added fellow organiser Jean-Louis Sarah.

There will be presentations and discussions on research as well as on improving training and mobility and communication between ENDURE and partners outside Europe.

The workshop is being organised by ENDURE's SA3.2 Core Group, which is dedicated to fostering the participation of partners from countries outside Europe, and is scheduled to finish at 18:00.



Poster session

Today's poster session offers the chance to catch up on ENDURE results.

- Using plant genetic resistance in wheat, solanaceous crops and grapevine (posters **6**, **18** and **23**, and **20**) and durable management of plant genetic resistance (**21**).
- Integrated weed control in maize (**47**).
- Two reviews on future crop protection systems using innovative diagnostic tools and precision spraying (**50**).
- A framework for interaction between research and policy making (**51**).
- A survey on decision support systems and how this will be used to identify the 'best parts' of DSS (**52**).
- Results of the Polish test of the simulation model developed by ENDURE: Wheatpest (**55**).
- Multicriteria assessment (winter wheat and pomefruit) and classification of protection strategies based on pesticide use intensity and innovation (**58** and **59**).

Exploiting ENDURE assets: system-based approach

Several activities in ENDURE have considered the same crops (such as wheat and pomefruit) from different points of view (such as diseases, pests, weeds, precision agriculture, damage modelling, economy and sociology) and while the outputs remain, for the moment, separate they offer the potential for a unique multidimensional approach.

This multidimensional and multidisciplinary approach is currently gaining ground in ENDURE and taking the shape of a system-based approach. Instead of studying a specific pest on a specific crop, the system approach is enlarging the frame of experimentation: going from field to landscape study and from annual crop to rotation. This holistic approach is fully relevant when one considers the factors impinging on the success or failure of IPM implementation.

ENDURE has particular strengths for implementing this system-based approach, such as a great linkage

between its activities, making them a useful support for integration and increasing the output value by exploiting complementarities and synergies. This approach also provides a better anchoring of research activities in concrete situations, providing them with a central research subject and making them more output-oriented. Finally, this approach better exploits the large diversity of scientific disciplines gathered in ENDURE, one of the network's key assets.

Two System Case Studies (SCS) have been launched in 2008, one on arable crops and one addressing an example of a perennial crop (orchards). A third distinct and important type of system will be addressed in 2009: greenhouses and, more generally, agriculture in protected environments.

Over the past six months, the arable crop SCS has elaborated a detailed project including a meta-analysis of the effects of rotations, a socio-economic diagnostic



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and a redesign of crop protection in winter crop-based and maize-based cropping systems. It is a challenging project which brings on board many other research activities.

The Orchard SCS was conducted on a narrower basis and is now intended to be *the* case study for perennial cropping systems in ENDURE. It includes socio-economic analysis, landscape elements and interactions and scenario modelling to identify innovative technologies for integrated control strategies.

Contact: Antoine Messéan (INRA), Per Kudsk (Aarhus University) or Bart Heijne (Wageningen UR).

Tonight, we will dine in style!

After the hard work of the conference, tonight gives guests the chance to dine in style at one of the region's outstanding stately homes.

Parts of the Château du Pouget date back to the 11th century and are built on Roman remains. The château has been in the Pouget family since 1684 and is surrounded by the famous vineyards of Languedoc-Roussillon.



Coaches for tonight's dinner leave the Palais de Congrès in La Grande Motte at 18:00. Bon appétit!

Don't forget to set your alarm!

Tomorrow marks the last day of ENDURE's first International Conference and it is an early start (08:00) with concurrent sessions on Innovations and alternatives, Pest distribution and incidence, and Multi-criteria assessment. Three further concurrent sessions will be followed by the closing session, which will finish at 12:30.