



Scientific Committee being formed:

- Sandro Liberatori – ENAMA (Italy)*
- Ulrich Rubenschuh – DLG (Germany)*
- Krister Persson – DIAS (Denmark)*
- Daniel Froelich – ENS Arts et Métiers (France)*
- Frantz Barnabé - CETIM (France)*
- Grigore Gogu – IFMA- Clermont Université (Fr)*
- Gilles Vaillimongom – CIRAD (France)*
- Pascal Higelin – Université Orléans (France)*
- Michel Cariolle – ITBetterave (France)*
- Jean François Goupillon – AXEMA (France)*
- Daniel Clochard – Et Sulky (France)*
- Pierre Havard – Ch Rég Agri Bretagne (Fr)*
- Pierre Guiscafré – FNCUMA (France)*
- René Delouvé – SAF (France)*
- Philippe Roux – Cemagref (France)*
- Marc Rousselet – Cemagref (France)*

Coordination:

Dominique Didelot – Cemagref (France) – dominique.didelot@cemagref.fr

Organisation office:

Eliane Simon, Irène Mingot, Emilie Duchatelle, Marilys Pradel, Vincent Abt - Cemagref

Language:

The official language will be English or French

Sponsored by



This conference is being pooled with 2 other events:

AgEng 2010
and the workshop:
**Mobile Robotics for Environment/
Agriculture**



On-line registration:
www.ageng2010.org

Registration fees:

- Days 3 & 4 Sept. with a trip to Montoldre and 2 lunches on site:.....180€
- Student rate – PhD – Post-doc:100€
- Gala dinner : 40€ (jointly with Robotics)
- Free for the keynote speakers and members of the Scientific Committee

With the support of the TIMS Research Group and VIAMECA competitiveness cluster



member of



Locations: see AgEng website

3/09/10: ENGREF or Physics Faculty lecture hall on Campus des Cézeaux

4/09/10: By coach to Montoldre (Allier)



ECO-design and Development of innovative production methodologies for spreading equipment



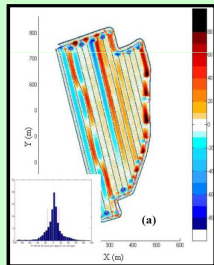
Environmental Technologies and Sustainable Development Programme



The context is ripe for developing environmental technologies. In 2004, the European Commission launched ETAP (the Environmental Technology Action Plan), which, in 2010, will lead to a directive introducing an ETV (Environmental Technology Verification) system, so as to facilitate recognition of manufacturers' efforts by the market. In France, the Grenelle Environment Forum has also recommended investing in "environmentally-friendly intensive and sustainable agriculture". AXEMA in France, along with CEMA and ENTAM in Europe, are keen to take part in this initiative.



In relation to the AgEng 2010 conference, the focus will be on applied research in the area of eco-design practices serving agricultural equipment.



Eco-design is the "incorporation of environmental considerations into the design or redevelopment of a product so as to improve its environmental performance throughout its life cycle."

The aims of this workshop:

- to present the innovative methods and tools being developed, particularly those stemming from the ANR-Ecodefi project
- to see how the concept is being applied in firms in the sector,
- to reflect on ways in which its implementation could be increased, with an ambition that could go as far as European eco-labelling



Provisional agenda

An expected 20 talks over 4 plenary sessions in 2 days

Friday 3 September 2010 – Campus des Cézeaux – ENGREF Lecture Hall – Aubière

09:00: Coffee – Welcome

09:30: Introductory talks

Session 1: Assessing the environmental performances of agricultural equipment under real and/or simulated conditions of use

From measurements taken on machines on the test bench or in situ in the field, two types of questions must be considered: How can the results of these technological performances be incorporated into computational models leading to an estimation of the environmental impacts (compaction, nitrate leaching, etc.)? – How can these multi-criteria analysis methods take into account the high variability of operation related to the soil and climate context and to the influence of the operators' behaviour?

On the need to have methods and tools specifically adapted to the agricultural environment

Session 2: The levers of technological creativity to benefit eco-design

Design and creativity methodologies such as TRIZ can be used to generate innovative technological solutions – What experiments have been undertaken in this field and what specific lessons or approaches can be drawn from them?

On the feasibility of these innovation methods for speeding up eco-design

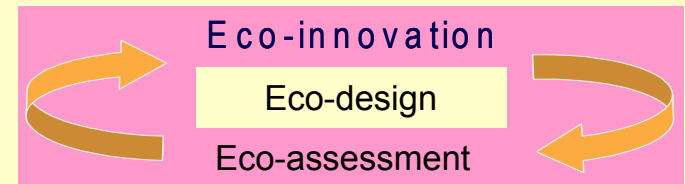
Session 3: Present-day implementation of eco-design in this industrial agricultural equipment sector

Presentation of real-life experiences by companies having implemented the initiative and that have wholly or partially integrated the various phases in the life cycle: manufacture, use, recycling

Problems encountered, improvements required, actual efficiency at the end of the day

17:00: Visit to IFMA's Mecaprod platform

20:00: Gala Dinner – jointly with the "Robotics" workshop



Saturday 4 September 2010 – Cemagref Experimental Site at Montoldre (Allier department)

09:00: Departure by coach from Campus des Cézeaux - Aubière

10:15: Arrival at Montoldre site – Coffee and welcome

10:30 – 12:30: Presentation of 3 examples of Eco-innovation applied to agricultural machinery

12:30 – 13:30: Lunch on site

Session 4: Outlook for eco-labelling of agricultural equipment in Europe

How does the upcoming applicability of ETV stand in Europe? – What eco-labels have already been introduced in some European countries? – What benefits can the makers and end customers expect of them? – Has eco-efficiency in the development field been measured in certain cases?

15:30 – 16:30: Debate about how eco-design can really develop in the sector

Back to Clermont Ferrand

Important dates:

- ✓ 1 March 2010: submission of abstracts
- ✓ 15 May 2010: notification of acceptance
- ✓ 1 July 2010: submission of final articles
- ✓ 15 July 2010: final programme

Contacts: dominique.didot@cemagref.fr – eliane.simon@cemagref.fr

