

International Conference on Agricultural Engineering

AgEng 2010

Clermont-Ferrand, France

September 6-8, 2010

Towards Environmental Technologies

Opening Session :

Globalisation and territorial development, different aspects of agriculture and its technological needs, appropriation of the techniques by farmers

A Few points about the opening plenary session

The promotion of a sustainable and economically viable European agriculture comes along with a common agricultural policy, in a context of reinforced globalisation, based on comparative advantages whilst fulfilling the needs of the consuming citizen.

Agricultural equipment is an important trade on the European level as well as the international level with a lot of fluctuations related to investments capacities of the agricultural world (itself strongly influenced by the price volatility). That naturally produces a circulation of innovations, generator of creativity and many opportunities for transfers of technology.

Communication and information technologies are already strongly mobilized and they will increase as the new challenge of the industrial sector relates well today to the development of innovations going beyond equipment. This includes a systemic approach inviting reconsideration of the place of the farm in the process of innovation. Nevertheless, it remains to be known to what extent one must regard the farm as an industrial tool while integrating the key role of the farmer and the risks of the agricultural production.

Diversity of agro-ecological situations, the new agri-environmental confines, the emergent needs of consumers in terms of quality, diversity,... also result in reconsidering the organization of the agricultural sectors. Niches Markets develop and are being developed with the needs of the raw material markets, often requiring specific equipment. To develop technological tools quite as powerful and innovating that those of the field crops constitutes for us another challenge.

These few elements, from the first round table, form the bases of all the AgEng 2010 Conference works, in their technical, economic and social dimensions.

G. Chuzel (*Industrial partnership and Public policies support Director*
Cemagref, France)

E. Hugo (*Technologies and Information systems Research Unit, Cemagref, France*)

What AgEng Conference brings to Agricultural machinery Industry ?

Agriculture world wide is changing fast with new challenges like environmental preservation, energy costs, and volatility of agricultural product prices. The machinery industry must take its own part in developing relevant solutions, integrated to new agricultural processes. It is also widely their responsibility to ensure safety of operators and preserve their health.

Industry has always sought early visibility, when implementing new product, but often incorporating new technologies requires time, and even more since developments include reliability assessment as well as ergonomic quality as major objectives.

Each individual company, from SMEs to multinationals need to identify which technologies are promising from the point of view of agricultural engineering scientists, and also to bring solution to specific problems they and/or their customers are facing.

Such a conference bring a European and at least partly world wide overview on what scientists are working on, which achievements they expect and which technical problems still exist. In addition, it is an opportunity to meet with each other, hopefully to go deeper into their concerns and thus be in position to weigh and balance different views on similar subjects.

Due to high diversity of farming purposes and conditions, most subjects that are dealt with might interest at least one company. However it is worth thinking about increasing industry attendance for the future.

However AgEng conference is already part of any efficient economic intelligence company system.

JF Goupillon

AXEMA (Union Française des industriels de l'Agro-équipements)

Today's AgEng News :

Last news about AgEng 2010 Conference, its programme, and general news.

- A **strike is perturbing** the transport publication today in France, the shuttle from Vulcania will stop, after the dinner, at different hôtel in the City and at Polydome. More information on the stops are available on the screen of Polydome.

- **Modifications** : the **Information Technology III session (on Wednesday)** will begin sooner that planned (one presentation added). Please pay attention to the new schedule : the session will begin **at 8:25 am**.

- We are honoured to welcome Dr. Theodor Friedrich in the second plenary session today.

- Elies Hamza regrets that he would not participate to this second plenary session.

- The **last plenary session, on Wednesday 8th of September** will bring together experts about "Environmental technologies" at different levels: international, European and regional levels. Niels Götke, General Coordinator of ICT AGRi EraNet (Denmark), Timothy Simalenga, Research and Technology Director, for the Agricultural Research Council (South Africa) and Chakib Jenane, Chief of Agro-Industry Support Unit, ONUDI, will participate at this closing session.

AGENDA

Chairmen of the day :

- **Animal Production technology: Air quality II** (Amphitheatre – Level 1) From 10:30 am – Chairman: Carlo BISAGLIA
- **Crop Protection: Weed detection and control** (Room 12-13 – Level 2) From 10:30 am – Chairman : Miklos NEMENYI
- **Soil Compaction I** (Room 2-3 – Level 2)
From 10:30 am – Chairman : Marie-France DESTAIN
- **Animal Production technology: Waste management** (Room 4-5 – Level 2) From 10:30 am –
Chairman : Suzelle BARRINGTON
- **Power and machinery: optimization, energy and tires I** (Room 9-10 – Level 2) From 10:30 am – Chairman : Valda RONDELLI
- **Ergonomics and safety: Working conditions** (Room 1 – Level 2) From 10:30 am – Chairman : Luc MATHIEU
- **Post-Harvest technology I (drying, sorting, storage)** (Room 6 – Level 2) From 10:30 am – Chairman : Reiner BRUNSCH
- **Water I : Irrigation** (Room 7 – Level 2)
From 10:30 am – Chairman : Nunzio ROMANO
- **Structures and environment: storage and building materials** (Room 11 – Level 2) From 10:30 am – Chairman : Hannu HAAPALA

- **Animal Production technology: Air quality III** (Amphitheatre – Level 1) From 1:40 pm – Chairman : Colin BURTON
- **Power and machinery: optimization, energy and tires II** (Room 12-13 – Level 2) From 1:40 pm – Chairman :
Martin KREMMER
- **Power and machinery: harvesting II** (Room 2-3 – Level 2)
From 1:40 pm – Chairman : Florentino JUSTE
- **Fertilization III** (Room 4-5 – Level 2)
From 1:40 pm – Chairman : Jorgen VANGEYTE
- **Bioenergy I** (Room 9-10 – Level 2)
From 1:40 pm – Chairman : René MOLETTA
- **Structures and environment: greenhouses** (Room 1 – Level 2)
From 1:40 pm – Chairman : Chakib JENANE
- **Post-Harvest technology II (drying, sorting, storage)** (Room 6 – Level 2)
From 1:40 pm – Chairman : Pilar BARREIRO
- **Rural development and education** (Room 7 – Level 2)
From 1:40 pm – Chairman : Dominique VOLLET
- **Soil Management** (Room 11 – Level 2)
From 1:40 pm – Chairman :Theodor FRIEDRICH

Special Events :

The GALA DINNER is planned this evening at Vulcania, in the middle of the Volcanoes of Auvergne.

A free shuttle will bring you at Vulcania, (30 minutes from Clermont-Ferrand). Departure at 7:00 pm from Polydome.

- LUNCH AND GALA DINNER : for a better organization, if you have a **food allergy**, please contact us quickly (welcome desk or any staff member).

EurAgEng Meetings & working groups:

NEWS : The Chairmen of Working Groups will take place at lunch time on wednesday (and not at 8:00 am), at the restaurant.

Working Groups (From 5:30 to 6:30 pm):

Room 12-13 – Precision Agriculture
Chairman: Stefan Böttinger

Room 2-3
Air Quality in Animal Houses
Chairman: Gösta Gustafsson

Room 4-5
Wastes Engineering
Chairman: Fabrice Béline

Room 1
Greenhouse System Design
Chairman: Demetres Briassoulis

Room 6
Post-Harvest Technology
Chairwoman: Pilar Barreiro

Room 7
Engineering in European Rural Development
Chairman: Antti Peltola
Education & Communication
Chairman: Piero Febo

Room 11
Soil & Water
Chairman: Nunzio Romano

We would like to thank our sponsors :

