

## Important Dates

- September 30, 2011: Deadline for abstract submission
- January 15, 2012: Notification of abstract acceptance
- March 15, 2012: Submission of full papers/Early registration deadline (mandatory for accepted papers)
- June 12 to 15, 2012: **ORBIT2012** Conference

## Conference fees

- Early Registration (including ECN Workshop) 480 €
- Special fee for supporters and ECN members 480 €
- Late registration (including ECN Workshop) 650 €
- Students 250 €
- One day admission (only ECN Workshop) 250 €
- Fees include: book of abstracts (not for students or only one day admission), CD of proceedings, lunches and coffee breaks, Welcome reception (June 11), Gala dinner (June 13)

## Important Notice

- Each accepted paper (oral or poster) should be accompanied by a full registration
- Each fully registered participant may present up to two papers (oral or poster)
- Students (as PhD) who present an accepted paper should pay a full registration.

## Organised by

**Cemagref — Environmental management and biological treatment of wastes Research Unit**

**ECN e. V. — European Compost Network**

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For abstract submission and registration  
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# ORBIT2012

## GLOBAL ASSESSMENT FOR ORGANIC RESOURCES AND WASTE MANAGEMENT

**8th International Conference**  
**June 12th to 15th, 2012**  
**In Rennes, Brittany, France**

**First Announcement and Call for Papers**



[www.orbit2012.fr](http://www.orbit2012.fr)

## Welcome to ORBIT2012

During the last years, a big strength has been put on organic resources recovery in order to achieve our aspiration towards a "Recycling Society" and climate stabilisation. Energy, nutrients and organic matter needs have thus driven sustainable management of resources and wastes and promoted new technological developments. In this context, biological processing of organic wastes and the use of natural resources to recover nutrients as phosphorus, to produce soil improvers and to supply energy is of great interest. However regulations on the management of organic resources waste are fragmented. So the current legislation in Europe might be not sufficient to achieve the stated objectives of its effective management. Moreover there is an open question on the tools that can be used to assess the efficiency of management systems for organic resources and waste which lead to the adequate processes selection. Especially the increasing use of Life Cycle Assessment tools has to be carefully addressed.

Following the ORBIT conferences tradition, ORBIT2012 will deal with all aspects of organic resources and waste management with a special focus on the assessment of technologies with environmental, social and economical point of view. A large place will be given to climate change and decision making tools between waste treatment options. Traditional themes as energy recovery (Biofuels, biogas, hydrogen production), biological treatments (composting and anaerobic digestion) and also mechanical biological treatment still remain central issues that have to be discussed in order to improve technologies and product quality, especially for land application. More local approaches such as home and community composting will also be discussed as they may represent solutions that have to be considered in an integrated organic waste management plan which includes prevention. Special emphasis will also be laid on EU policies and strategies for sustainable management of organic resources and waste. The conference will present high quality and innovative research in all the aforementioned topics and will include oral presentations, poster sessions and specific workshops.

**We will be pleased to welcome you to the next ORBIT in June 12<sup>th</sup> – 15<sup>th</sup> 2012 in Rennes, France.**

**We promise stimulating scientific programme and discussions and exiting cultural visits.**

## Conference Topics

### **EU policies and strategies for sustainable organic resources and waste management**

#### **Climate change, waste management assessment and decision tools**

Environmental aspects (life cycle analysis, best management practices, carbon sequestration), social aspects (public involvement, education, communication), economical aspects.

#### **Collection and local management of organic wastes**

Separate collection, home and community composting

#### **Energy recovery**

Biofuels, biogas, biomethane, hydrogen production

#### **Biological treatments (composting and anaerobic digestion)**

Process control and optimization, microbial environment, environmental and health impacts (including gaseous and odours emissions, bio-aerosols, hygiene), modelling, quality assurance, new technologies

#### **Mechanical biological treatment**

Process control and optimization, microbial environment, environmental and health impacts (including gaseous and odours emissions, hygiene), modelling

#### **Organic fertilisers and soil improvers for agricultural and horticultural issues (including sludge, manures, composts and digestates)**

Characterization parameters and methods, benefits for soil productivity (nutrients, organic matter, humus) and phytosanitary advantages, risks (pathogens, heavy metals, organic pollutants, gaseous emissions), application criteria

#### **Natural resources in the global context**

Peat replacement, phosphorus recovery, humus, etc.

**We invite you to submit abstracts concerning all these topics**

## Conference Host

Rennes is the capital of Brittany and is ideally situated at the heart of a dual highway network linking Brittany to Paris and Normandy. Rennes is a very pleasant city of art and history, with its parks and gardens and the delightful old town with its faithfully restored streets and squares, colourful traditional timber-framed houses and outstanding buildings by famous architects.



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The ORBIT2012 Conference will be held at the conference centre « Le Triangle » located at 10 minutes (metro) from the town city center. The Triangle congress center offers a large range of services that will ensure the success of the Conference.

## Commitees

### **Organising Committee**

A. Trémier, Dr, France (Chair)  
S. Barrington, Prof, Canada (Chair)  
P. Dabert, Dr., France  
C. Druilhe, Ing., France  
W. Bidlingmaier, Prof. Dr.-Ing.habil., Germany  
J. Barth, Dipl.-Ing., Germany (Chair)  
S. Siebert, Dr., Germany  
K. Lasaridi, Assoc. Prof., Greece

### **Scientific Committee**

The scientific committee will consist of over 30 international members, all renowned scientists and professional in the field of organic waste and resource management