

**ECOTECH 2007**  
**International Symposium on Environmental Technologies Applied to Sewage Sludge**  
**October 2-3, 2007**  
**Cemagref, Pôle Epandage Environnement, 03150 Montoldre (France)**

**Scientific Program**

**First day – Scientific Workshop**

*9h30 Welcome and registration*

Characterization

09h45 Physical consistency : an useful tool for sludge characterization

Ludovico Spinosa – Italy

10h10 Improvements of sewage sludge characterization

Emilie Dieudé-Fauvel – France

10h35 Influence of organic synthetic suspension. Components on its physical behaviour

Pascal Ginisty – France

*Coffee Break 11h00*

Treatment

11h15 Influence of ultrasonic treatment on activated sludge flocs surface properties : interactions with heavy metals

Julien Laurent – France

11h40 Aerated and anaerobic sludge treatment with drying reed beds

Stéphane Troesch – France

12h05 Anaerobic digestion: an industrial point of view

Sylvie Fleury – France

*Lunch 12h30*

14h00 Optimisation of sludge dewatering through associating lime-based reagents and flocculants.

Marc Rémy – Belgium

14h25 Sludge liming : quality of the blend and impact on mechanical properties

Jean-Christophe Baudez – France

14h50 Characterization of some sewage sludge properties essential for the design and management of thermal processes

Patricia Arlabosse – France

15h15 Fry-drying of sewage sludge : from the physical mechanisms to the process eco-design

Didier Lecomte – France

*Coffee Break 15h40*

16h00 Study of voc and odour emissions during the convective drying of urban residual sludges

Angélique Léonard – Belgium

16h25 Kinetics for thermal gasification of sewage sludge

Jean-Henry Ferrasse – France

16h50 Sludge gazeification: state of the art

Cristina Valéan – France

17h15-18h15 Round table and discussion

*20h00 – Official reception dinner , Château des Eycherolles (Eycherolles Castle)*

## **Second day – Technical Session**

### Valorization

09h00 Les boues de stations d'épuration : Quelles technologies ?  
- les différentes filières boues : avantages & inconvénients  
- le cas particulier des petites stations d'épuration rurales : quelles orientations générales ?  
Alain Vachon – France

09h30 Agronomical use of sewage sludge from urban waste water treatment  
Silvia Motta – Italy

09h50 Phosphate efficiency of sewage sludge by field crops  
Albrecht Siegenthaler – Switzerland

### *Coffee break 10h10*

10h40 Removal and spreading of sewage sludge processed by reed beds  
François Thirion – France

11h00 Sewage sludge application on forest land in France  
Anne-Laure Thomas – France

11h20 Practices of sludge spreading in willow short rotation coppices (wilwater european programm)  
Pierre Havard – France

11h40 Valorisation agricole des boues et autres produits organiques : gestion des pratiques pour une productivité de qualité et le respect de l'environnement  
Agnès Piquet – France

12h00 The use of sewage sludge in cement works (*to be confirmed*)  
Stéphane Pollaer – Belgium

### *Lunch 12h30*

14h00 Life cycle assessment applied to sewage sludge treatment : state of the art, knowledge assessment and environmental impacts  
Marylis Pradel – France

14h20 Life cycle assessment used for sewage sludge spreading : results, limits and prospects  
Emmanuel Meurville – France

14h40 Sewage sludge – Social and economical aspects  
Christophe Desprès – France

15h00 The use of sewage sludge: the french legislation  
Didier Rat – France

15h30 Visit of the Cemagref installations

### *Closing collation*