



Optimal recovery of material and energy resources: The cases of the rest fraction of municipal waste and sewage sludge

**2nd Experts Seminar
16-17 June 2010 – Seville**

PABELLÓN DE ITALIA, C/ Isaac Newton, s/n, 41092 Isla de la Cartuja, Sevilla

1. Context and objectives

After the first Seminar which took place in Turin on 9 December 2009, a new seminar is organised in the framework of the partnership between ACR+ and Holcim (see <http://www.acrplus.org/default.aspx?page=545&editview=true>). This Experts Seminar will be organised in collaboration with the Andalusian Government on 16-17 June 2010 in Seville and will focus on 2 specific waste flows: residual fraction of municipal waste and sewage sludge.

The seminar will gather a group of experts in order to discuss the issue of developing integrated approaches for specific waste flows through different waste treatment alternatives such as recycling, co-processing and energy recovery, with a view of reducing the consumption of material and energy resources and GHG emissions.

2. Programme

Wednesday, 16 June 2010

9:30 – 10:30 Introductory speeches

Introductory speeches: European waste management policy in relation to the specific question of material and energy resources

- Jean-Pierre Hannequart, ACR+
- Jean-Pierre Degré HOLCIM
- José Juan Diaz Trillo, Environmental Minister of Andalusian Government

10:30 – 11:00 coffee break

11:00 – 12:30 CO₂ , Energy and material balance of waste treatment alternatives: technical background and findings

- **Technology Innovation in the Cement Industry & the SET-Plan**
Jose A. Moya Institute for Energy IE, Petten
- **Energy and material balance of waste treatment alternatives**
Michael Ooms RDC (Belgium)
- **LCA of Integrated Waste Management Systems**
Giovanni Andrea Blengini, DISPEA, Polytechnic of Torino CNR-IGAG (Italy)
- **Analysis of recovery systems of the rest fraction in municipal waste**
Jose M. Oteiza, ISR (Spain)

12:30 – 13:30 Discussion time (facilitator: Jose M. Oteiza, ISR)

13:30 - 14:30 Transfer to Jerez de la Frontera (1h trip)

14:30 - 15:30 Lunch

15:30 - 17:00 Plant visit in Jerez de la Frontera

17:00 – 18:00 Transfer to Seville and Free evening

Thursday, 17 June 2010

9:30 – 12:00 Parallel Workshops (coffee break included)

09:30 Workshop 1: Residual fraction of municipal waste

Usage of Stabilat® in Lägerdorf cement plant
Morten Holpert, Holcim, Laegerdorf (Germany)

A pillar in the waste management of Sofia
Nikola Ovcharov, Ecorec (Bulgaria)

The ® BIOCUBI process for automate-biological treatment of waste
Luis Manuel Martinez Centeno (Tenocma)

The municipal rest fraction in Cordoba, Spain

Blas Molina, EPREMASA (Spain)

Frauke Schorcht IPTS

Interactive debate

09:30 Workshop 2: Sewage sludge

Sewage sludge management in Hungary –
Dorottya Tothne Nick, Budapest City Government (HU)

The rest fraction and the swage sludge cases

Arturo Gómez, EMACSA, (Spain)

Jean-Pierre Degré HOLCIM (Belgium)

Svend Byrial Poulsen - ODENSE

Marc Molina i Rafa ACA (Spain) (pending)

Interactive debate

12:00 – 13:30 Reporting from the parallel sessions and debate

13:30 – 14:00 Wrap-up and action plan

14:00 – 15:00 Lunch and End of meeting

IMPORTANT: PLEASE NOTE that all sessions of the seminar are interactive to allow participants to discuss their views and share their knowledge and experience with other attendees.