

pHOENIX
IWWG Working Group on
Management of MSWI Residues
Chair: Peter Lechner / Alessandra Poletini

The pHOENIX working group was established as a result of a workshop held in spring 2002 in Vienna, which dealt with practical problems, recent research findings and solutions related to the management of waste incinerator residues.

Currently, the following institutions/people take part to the group:

- BOKU University Vienna, Institute of Waste Management, A: *P. Lechner, P. Mostbauer*
- DHI Water & Environment, DK: *O. Hjelm*
- DTU Technical University of Denmark, Environment & Resources, DK: *T. Astrup*
- Energy Research Centre of The Netherlands, ECN (NL): *H.A. van der Sloot, A. van Zomeren*
- Katholieke Universiteit Leuven, Dept. Chemical Engineering: *C. Vandecasteele, T. Van Gerven*
- Lulea University of Technology, SE: *H. Ecke*
- Ludwig-Maximilians-Universität, Institut für Mineralogie, Petrologie und Geochemie, D: *S. Heuss-Assbichler*
- Ragn-Sells Avfallsbehandling AB, SE: *A. Kihl, M. Nyholm*
- Technical University of Munich, Department of Hydrochemistry, D: *T. Baumann, R. Klein*
- Thomas Bata University, Dept. Environmental Protection Engineering, Zlin, CZ: *M. Cervekova*
- University of Cagliari, Department of Geoengineering and Environmental Technologies, I: *G. Cappai, C. Dettori*
- University of Rome “La Sapienza”, Department of Hydraulics, Transportation and Roads, I: *A. Poletini, R. Pomi*

Aims and Scope

The aim of the working group is to create a network between people working on issues related to waste combustion residues in order to exchange and share knowledge between scientists and operators on different aspects of MSWI residues, set up international cooperation for research in this field, discuss suitable strategies for treatment, reuse and disposal of incinerator residues, as well as propose new legislative measures. Topics of particular interest for the working group so far have concerned the

- characterization of environmental behaviour of MSWI residues,
- potential and technology for utilization and
- quality improvement,
- aftercare at inorganic landfills as well as
- sustainable management solutions.

At the moment, two scientific papers from the pHOENIX group have been published:

Astrup, T., Cappai, G., Hjelm, O., Kihl, A., Lechner, P., Mostbauer, P., Nyholm, M., Poletini, A., Pomi, R., van der Sloot, H.A., van Zomeren, A. Towards an improved understanding of the leaching behavior of MSWI residues, *Waste Manage.*, **24**(5), 2004, 529-530.

Sabbas, T., Poletini, A., Pomi, R., Astrup, T., Hjelm, O., Mostbauer, P., Cappai, G., Magel, G., Salhofer, S., Speiser, C., Heuss-Assbichler, S., Klein, R., Lechner, P. Management of Municipal Solid Waste Incineration Residues, *Waste Manage.*, **23**(1), 2003, 61 - 88

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