



Second Workshop on geophysical measurements at landfills

Malmö, 16-17 February, 2012

Preliminary Program

Thursday, February 16

- 11:00-12:00 Registration
- 12:00-13:00 Lunch
- 13:00-13:15 Welcoming and introduction by Mats Svensson, Tyréns AB

Session 1: Pilot, field and laboratory scale experiments, including modeling

- 13:15-13:45 Evolution of electrical resistivity measurements during process of waste biodegradation at lab
Sylvain Moreau, Le Cemagref devient Irstea, France
- 13:45-14:15 Laboratory scale delineation of 'preferential flow' in landfill
Nick Woodman & Geoff Watson, University of Southampton, UK
- 14:15-14:45 Geo-electrical forward modelling using comsol multiphysics at lab-scale
Sylvain Moreau, Le Cemagref devient Irstea, France
- 14:45-15:15 Coffee

Session 2: Groundwater contamination from landfills and other waste facilities

- 15:15-15:45 Geophysical investigation and well logging at msw landfill
Martijn van Praagh, Sweco, Sweden
- 15:45-16:15 Non intrusive geophysics for pollution plume mapping inside an operating plant
Patrich Holmström, Norges Geotekniske Institutt, Norway

Session 3: Internal processes and physical characterization of landfills and other waste facilities

- 16:15-16:45 Pilot study of using IP and Resistivity for separation of industrial waste
Torleif Dahlin, Engineering Geology, Lund University, Sweden
- 19:00- Dinner at Salt och Brygga Restaurant

Friday, February 17

- 9:00-9:30 For a better and more widespread use of geophysics in landfill applications
Virginie Leroux, Cowi, Denmark
- 9:30-10:00 Detailed time lapse resistivity measurements for gas detection in landfills
Sara Johansson, Tyréns AB, Sweden
- 10:00-10:30 Coffee
- 10:30-11:00 Geoelectrical characterization of the internal structure and diodegradation of an old
Municipal Solid Waste
Véronique Naudet, BRGM, France
- 11:00-11:30 Mapping landfills with Time Domain IP: The Eskelund case study
Aurélié Gazoty, HydroGeophysics Group, Aarhus University, Denmark
- 11:30-12:00 We make the landfill transparent
Håkan Rosqvist, Rosqvist Resurs, Sweden
- 12:00-13:00 Lunch