

Matchmaking Event

LANDFILL MINING

Trends and Opportunities



18 October 2017
Conference at Palau Robert, Barcelona, Spain

19 October 2017
Clariana de Cardener landfill trip, Spain

Co-organised with

Day 1: 18 October Landfill Mining Conference

08:30 - 09:00 Registration for participants

09:00 - 09:15 Welcome

Pere Casals, Chairman of the Chamber of Commerce of Manresa
Josep Maria Tost, Catalan Waste Agency Director

09:15 - 09:30 EIT RawMaterials services and opportunities
EIT RawMaterials innovation in processing and recycling
Floriana La Marca, EIT RawMaterials

09:30 - 11:00 Session 1: Landfill mining potential

Identified Topics

- Current situation, potential future, regulations, planning, policy, instruments and strategies to foster landfill mining in Europe.
- Organic matter reduction and environmental impact: methane emissions, material stability.
- Mapping and assessment of landfilled resources.
- Land reclamation: for increased service life of existing landfills or other land uses.
- Fines and critical raw materials, including rare earth metal and stocks anthropogenic.

Speakers

Maria Calaf, Researcher at ENT
Yves Tielemans, Working Group Leader at Eurelco
Eddy Wille, Senior Advisor at OVAM
Marco de la Feld, Project Leader at Smart Ground

Moderator

Lorena Jurado, Service Director at Wasteresource
The session consists of 20 min presentations for each speaker and 30 min debate (roundtable and Q&A)

Coffee break

11:00 - 11:30 Session 2: Landfill mining operation

11:30 - 13:00 Identified Topics

- Main available technologies for the resource extraction from landfills, cost estimation and environmental assessment.
- Material recovery, costs, value and assessment of landfilled resources, RDF and energy recovery, ICT & Landfill mining.
- Safety, material stability, risks, costs.
- Landfill structure, composition, recoverable wastes and selection criteria for the application of landfill mining techniques.
- Fines and critical raw materials, including rare earth metals.

Speakers

Ángel Martínez, Senior Engineer Landfill Department Ferrovial Servicios
Reinhard Gölschl, CEO at the IuT Group Austria
Roberto Raga, Industrial Engineering Department, University of Padova

Moderator

Josep Simó, Area of Infrastructures Director at Waste Agency of Catalonia
The session consists of 20 min presentations for each speaker, 30 min debate (roundtable and Q&A)

13:00 - 14:15 Networking lunch

14:15 - 16:30 Session 3: Flagship initiatives (context, used technologies, results, cost and environmental balance)

Identified Initiatives

- First Landfill Mining Trials in Clariana de Cardener, Catalonia.
- Greece, LIFE+RECLAIM Landfill mining in Polygyros site.
- Belgium, Remo Landfill (closing the cycle project).
- Austria, Successful cases of the landfill sites in Tainach and Halbenrain.

Speakers

Francesc Giró, Director of Strategy Planning at the Waste Agency of Catalonia
Veronika Andrea, Head of Environmental Communication in HELECTOR
Elisabet González, Innovation Responsable at Ferrovial Servicios
Yves Tielemans, Business Unit Manager at Group Machiels
Dr Kris Broos, Sustainable Material Expert at VITO
Florian Scheibe, Chief Operations Officer at FCC Environment Austria

Moderator

Javier Cerezo, Chief Operations Officer at FCC Environment International Division
The session consists of 20 min presentations for each speaker and 30 min debate (roundtable and Q&A)

16:30 - 17:00 Wrap up and conclusions

Day 2: Thursday, 19 October 2017

08:30 - 10:45 Bus transfer from Barcelona city center to Clariana de Cardener

10:45 - 11:00 Welcome to the landfill by local authorities

11:00 - 12:00 Introductory session

Martí Madorell, ARC-Waste Agency of Catalonia
Toni Jiménez, CC Solsonès-local authority
Miquel Turmo, Gruas Constructora
Francesc Rossell, BIANNA
Jordi Fargas, UTE Solsonès
Montse Garcia, Ecogest
Rosa Coll, UTE Solsonès
Dr Raquel Barrena, UAB Autonomous University of Barcelona

12:00 - 13:30 Visit and group discussion

14:00 - 17:00 Bus transfer from Clariana de Cardener to Barcelona city center

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Dates and Location

18 October 2017

Conference at Palau Robert in Barcelona, Spain

19 October 2017

Day trip to Clariana de Cardener landfill, Spain

Limited capacity (40), confirmation needed, upon availability

Information for participants

Bus transfer for day 2 visit included

Breakfast & Lunch pack for day 2 included

Language

Day 1: English, with Catalan simultaneous translation available

Day 2: English, Catalan, no translation

W: eitrawmaterials.eu/events/landfill-mining/