WORKSHOP: LANDFILL MINING - MYTH AND REALITY I

Chairs / *Presidenti:* Claudia Neculau, Marta Popova (BE)

During the two workshop sessions, the partners of both EU-funded projects (RAWFILL and SMART GROUND) will emphasize the necessity of broad data collection in order to redesign the traditional risk-based landfill management into a dynamic resource supplying system. The inventory of landfills will be explained in relation to a comprehensive Conceptual Site Model taking into account cross-cutting policies such as sustainable development goals, climate change and land management as well as resource recovery through landfill mining opportunities.

Introductory lectures:

M. Popova (BE): Introduction to landfill mining

C. Neculau (BE), F. Coulon (UK): Scope and focus of Smart Ground and Rawfill

E. Wille (BE): Data mining as first step of landfill mining

C. Neculau (BE): Overview of critical factors for landfill mining projects - Drivers, health and safety measures

D. Caterina (BE): Landfill investigation by using geophysical prospection multi-methods

R. De Rijdt (BE): Landfills and their environment (threats and opportunities measured through RAWFILL Enhanced Landfill Inventory Structure)

Landfill Mining case studies: lesson learnt

C. Neculau (BE): The landfill of Onoz (Jemeppe-sur-Sambre, BE) and the Green deal

F. Coulon (UK): Landfill Mining & Reclamation at Sandford Farm (Reading, UK)

S. Wagland (UK): Energy recovery opportunities from landfill mining

E. Wille (BE): Brownfield redevelopment and LFM: 5 landfills but 5 different projects

17:10 - 17:40   Coffee break **+** Poster discussion

WORKSHOP: LANDFILL MINING - MYTH AND REALITY II

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Interactive session with participants about RAWFILL DST phase II - Dr. eng. Claudia Neculau (BE), Prof. Frederic Coulon (UK), Eddy Wille (BE), Eng. Renaud De Rijdt (BE), Dr. Stuart Wagland (UK), Dr. David Caterina (BE)

Introductory lectures:

Sebastien Moreaux (BE): The ELIF software

E. Wille (BE): Stepwise Decision making (ranking, categorizing, time management)

E. Wille (BE): Dynamic Landfill Management as innovative concept. Decision support tools: RAWFILL DST phase I – linkage to SMARTGROUND DST