



European Training Network for Resource Recovery Through Enhanced Landfill Mining (NEW-MINE)

D6.16 – Locals event

NEW-MINE and EURELCO meet the CTC locals (Remo landfill)

Report of the meeting



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Public

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Meeting Report

Greenville, Houthalen (Belgium) – 06/02/2017

Participation list in annex 1.

1 Welcome and introduction

A representative of the group 'De Locals' welcomes the participants to Houthalen. He is pleased that this event is being organised as it is important to stimulate a dialogue between industry, academia and civil society with respect to (Enhanced) landfill mining projects that are performed in the vicinity of urban communities.

The moderator, Koen Sips, briefly introduces the programme of the 'Locals event':

Time	Activity
18:30	Dinner and informal exchange between ESRs, supervisors, partners and locals
20:00	Welcome and introduction
20:05	Panel: Concept of landfill mining; Case locals Enhanced landfill mining; flowsheet of the NEW-MINE project
20:30	Group discussions: safety, sustainability, collaboration between industry, scientists and local residents. Exchange between participants
21:30	Plenary debate
22:00	Closing and perspectives for future collaboration

The participants are informed that a short video-report will be made of the event. During the group discussions, several participants will be invited to give a short individual interview on a voluntary basis.

2 Panel: Concept of landfill mining; Case locals Enhanced landfill mining; flowsheet of the NEW-MINE project

In their presentations, panel members Yves Tielemans, Maurice Ballard and Joakim Krook briefly shed their light on the concept of landfill mining, the history and vision of 'De Locals', and the vision and flowsheet of the NEW-MINE project (cf. ppt on dropbox).

3 Group discussions and plenary debate

After the introductory panel, participants split up in small groups. Each group consists of on average five members, with at least one representative of 'De Locals', one or two ESRs, one or two (co-)supervisors, and one or two members of EURELCO or representatives of the NEW-MINE partner organisations.

A series of guiding questions was elaborated by the 'De Locals' group; these questions stimulate the discussions in the small groups (cf. Annex).

During the plenary debate, the following questions and observations are discussed:

- Members of 'De Locals' group are interested to know when it is worthwhile to mine the landfill, and where it is best to situate the operations of ELFM.
- It is appropriate to inform at a very early stage the local population about the company's operations. In order to guide these discussions and accompany the negotiation between companies and locals, the



support of social scientists is welcome. The issue of trust between the local population and the involved company is crucial to establish a long term collaboration.

- De Locals are very interested to know the different technologies. A transparent communication between locals, companies and researchers is necessary. That communication should not only focus on what works, but also show what technology is not (yet) completely successful.
- The pace of the implementation of fundamental research is a concern. It is clarified that when a pilot is launched, it represents a first step in upscaling the technologies that have been tested previously in laboratories.
- The REMO landfill is indeed a pilot project which implements the state of the art technologies; the Closing the circle project (at the Remo landfill site) is one of the key studies. As such, there is a strong interest from policy makers and other societal actors to follow up on its progress.
- Other landfill projects are often more isolated from society. On the contrary, the ELFM-project in Houthalen demonstrates its societal relevance. It very clearly shows the benefits from a close relationship with the local population living close to the landfill.
- One of the major concerns of the locals are the effects on the long term. The scenario of leaving the landfill covered up could pose a threat to the living conditions of the future generations. On the other hand, one should carefully analyze the impacts of re-mining or re-exploiting the landfill.
- The NEW-MINE project has integrated the inclusion of the locals perspective very strongly in the core of the project. The relevant questions and constructive discussions with groups like 'De Locals' led to modify the project concept making it more embedded and having a stronger societal relevance. For the NEW-MINE project, the case of the REMO landfill is of one of its pilot sites. The researchers will also investigate other technologies, which are much broader than the ones used in Houthalen such as solar gasification and the design of glass ceramics from landfill derived materials.

4 Closure and perspectives for future collaboration

Dr. Peter Tom Jones, NEW-MINE General Coordinator, closes the meeting thanking all participants for the interesting discussions. He considers this event as an important milestone in the collaboration between researchers, company and 'De Locals'. Looking forward to the coming months and years, he hopes that this relation can be further strengthened:

- He invites the members of 'De Locals' to participate to the 4th ELFM symposium organized in Leuven on February 5 and 6, 2018, and formally invites that one representative of 'De Locals' gives a keynote lecture, presenting a paper with an update on the local's perspective of the Remo CTC project.
- He hopes that during the secondments various of the ESRs can continue the dialogue with members of 'De Locals' by interviewing them for their research projects.
- He expresses the key importance of 'De Locals' for NEW-MINE WP4, in which the local perspective should be clearly integrated in the multi-criteria assessment methodology. De Locals are key stakeholders in the Quadruple Helix approach and should thus be firmly integrated in the action research of ESRs 13-15.
- He will propose, during the NEW-MINE Supervisory Board meeting of February 7, 2017, one representative of 'De Locals' to become an official member of the Advisory Board of NEW-MINE, so that the group can stay informed about the progress of the ESRs and the results of the project. Full transparency can thus be ensured. At the same time, the NEW-MINE project will implement an elaborate communication strategy in which the local's perspective can be firmly integrated in its website, newsletters, publications and social media.

All participants are thanked for their contributions to the successful event; a networking drink is offered.



5 Photos



6 Annexes

6.1 Annex 1. Participation list

First Name	Last Name	Function	Institution
Nicholas	Agon	Partner	KU Leuven
Guilherme	Ascensão	ESR	Italcementi S.p.a /University of Padova
Christin	Bobbe	ESR	Ghent University
Adele	Clausen	Supervisor	RWTH Aachen
Paolo	Colombo	Partner	The University of Padova, Department of Industrial Engineering
Laurent	Dauge	Supervisor	Shanks
Paul	Einhaupl	ESR	Linköping University
John Laurence	Esguerra	ESR	Linköping University
Alexander	Feil	Supervisor	RWTH Aachen
Georgia	Flesoura	ESR	KU Leuven
David	Friedmann	Supervisor	IME / RWTH Aachen University
Cristina Gloria	Garcia Lopez	ESR	RWTH Aachen
Daneel	Geysen	Partner	Group Machiels
Marco	Gigantino	ESR	ETH Zürich
Yamid	Gomez Rueda	ESR	KU Leuven
Lieve	Helsen	Supervisor	KU Leuven
Juan Carlos	Hernandez Parrodi	ESR	Shanks SA / Montanuniversität Leoben
Daniel	Höllén	Supervisor	Montanuniversität Leoben
Peter Tom	Jones	General Coordinator	KU Leuven
Pär	Jönsson	Supervisor	KTH Royal Institute of Technology
Zoran	Jovanovic	Supervisor	ETH Zürich
Joakim	Krook	Supervisor	Linköping University
Bastian	Küppers	ESR	Montanuniversität Leoben
Hugo Ignacio	Lucas	ESR	IME / RWTH Aachen University
Lieven	Machiels	Manager	KU Leuven
Lucian	Onisei	Manager	KU Leuven
Yiannis	Pontikes	Supervisor	KU Leuven
Patricia	Rabelo Monich	ESR	University of Padova
Giovanna	Sauve	ESR	KU Leuven
Alessandro	Morbi	Supervisor	Italcementi S.p.a
Ulrich	Sigmund	Partner	Stadler Anlagenbau GmbH
Niclas	Svensson	Supervisor	Linköping University
Yves	Tielemans	Partner	Group Machiels
Karel	Van Acker	Supervisor	KU Leuven
Ellen	Van De Vijver	Supervisor	Ghent University
Steven	Van Passel	Supervisor	University of Antwerp
Stuart	Wagland	Partner	Cranfield University
Yang	Weihong	Supervisor	KTH Royal Institute of Technology
Piet	Wostyn	Manager	KU Leuven
Ilman Nuran	Zaini	ESR	KTH Royal Institute of Technology



Sander	Arnout	Member EURELCO	InsPyro
Hervé	Bréquel	Member EURELCO	CTP
Kris	Broos	Member EURELCO	VITO
Lars	Cuyvers	Member EURELCO	Ballast Nedam
Laure	De Cock	Member EURELCO	Ecorem
Renaud	De Rijdt	Member EURELCO	Aenergyes
Gijs	Du Laing	Member EURELCO	UGent
Hans	Groot	Member EURELCO	Deltares
Mait	Kriipsalu	Member EURELCO	Estonian University of Life Sciences
Talib	Mahdi	Member EURELCO	Cardiff University
Anja	Maul	Member EURELCO	VITO
Claudia	Neculau	Member EURELCO	Spaque
Bart	Nevejans	Member EURELCO	Aertssen
Frédéric	Nguyen	Member EURELCO	Université de Liège
Hans	Oonk	Member EURELCO	OonKAY!
Maria João	Pereira	Member EURELCO	Instituto Superior Técnico
Marta	Popova	Member EURELCO	Spaque
Geoffrey	Rezer	Member EURELCO	Tractebel - Engie
René	Rosendal	Member EURELCO	Danish Waste Solutions ApS
Philippe	Scaufaire	Member EURELCO	Spaque
Koen	Sips	Member EURELCO	Point Consulting Group
Andreas	Stegmueller	Member EURELCO	Fraunhofer
Katleen	Vandormael	Member EURELCO	i-Cleantech Vlaanderen
Pieter	Vervaeke	Member EURELCO	Envisan
Maurice	Ballard	De Locals	
Jurgen	Becherer	De Locals	
Geert	De Bruyn	De Locals	
Louisa	De Coster	De Locals	
Johan	Lemmens	De Locals	
Felix	Schroeyers	De Locals	
Herman	Timmers	De Locals	
Geert	Vandebeek	De Locals	
Peter	Vanhemel	De Locals	
Greta	Vannuffelen	De Locals	
Karel	Wouters	De Locals	

