



Lemminkäinen Rudus



LIFE09 ENV/FI/575 ABSOILS

Final Report/ Annex 43

# Final Dissemination Report

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## 1. Objectives

The aim of the Dissemination Action has been to disseminate and communicate the results of the project to the target group and stakeholders of the project so that the knowledge gained during the project can benefit the whole Europe and in the long-run lead to the improved situation in the management of surplus poor quality soils and fly ash as binder in the process of soil stabilisation.

## 2. Results

Planned activity	Was the objective reached	Reactions and feedback	Partner responsible
Project webpage	YES	LIFE webpage was set and has been updated by Ramfi. The page will remain operational after the end of the project. The page contains the description of the project, info on its implementation stages, deliverables and gallery of pictures.	Ramfi
LIFE notice boards at piloting sites	YES	LIFE notice boards were erected at all the pilot sites.	Biomaa/ Lemminkäinen
DVD presentation about the different stages to convert abandoned soils into earth construction aggregates and to construct different applications with converted aggregates	YES	The materials for the video were collected during the whole duration of the project and it was planned to produce it during the last year of the project. The video was presented to selected stakeholders and received positive feedback. It is currently placed on the project website. It was originally planned to carry out this action with the use of external assistance but filming and editing was made by Ramfi as it was seen more doable due to pilot schedules and the need to actually understand what needed to be filmed and the overall cost-effectiveness. The feedback of the viewers has been positive. The video is seen as interesting source of information on the methodologies and environmental benefits that can be reached with the application of the solutions tested by the Absoils project. <a href="#">Annex 22</a> .	Ramfi
DVD presentation about the RMSS	YES	The DVD presentation was planned to be carried out in 2013 but it was produced in spring 2015 so that it can include all the updated information on the RMSS situation development. <a href="#">Annex 23</a> .	Ramfi
European Guidelines on the methods to	YES	The materials were collected during the whole duration of the project and	Ramfi

<p>convert abandoned soils into useful earth construction materials and to use them in the construction of different applications</p>		<p>carrying out this task in a satisfactory way was one of the reasons of asking for the project extended duration. The partners were involved in the process of information providing and feedback. The initial reaction of the stakeholders has been positive and the International Guidelines are seen as an important source of information. Attached as <b>Annex 13</b>.</p>	
<p>Slide presentation (ppt) about the project methods and results to be used in conferences, seminars and Roadshows;</p>	<p>YES</p>	<p>The initial slide presentation on the project was prepared at the beginning of 2011 and after that the PP- presentation was updated and tailored to the needs of the events where the project results were presented. The final version of the project presentation is available at the project website. The presentations on the project have always gained much interest and attention from the audience. Attached as <b>Annex 14</b>.</p>	<p>Ramfi</p>
<p>Roadshows for specific target groups run in Scandinavia, Baltic Countries and Central Europe during 2013, 2014 (4-6)</p>	<p>Four road shows were organised in Finland, so the objective concerning the amount of the events was reached.</p> <p>However, it was originally planned that Rudus would organise road shows in other countries. The aim was to propagate the use of fly ash. Since it was not possible to use as much fly ash in the project as originally planned, Rudus was forced to give up the road show events abroad. <u>As a contingency action</u>, the project was presented at some international events not originally planned, such as:</p> <p>the Simm-cities conference (<a href="http://www.simmccities.com">www.simmccities.com</a>) and workshop (Sustainable and Innovative Material Management for the</p>	<p>Absoils Roadshow (1) in Kuopio took place on 29th of January 2013 and focused on the presentation of the Absoils project and its results as well as on the issues concerning recycled construction materials in Finland in general. The event gathered about 50 participants from various private and public organisations.</p> <p>A Roadshow (2) for the Estonian visitors was organised in April (4.4.2014). This event gathered about 15 participants. Its aim was to present the achievement of the Absoils project and discuss the ways how the project experience can be utilised in Estonia.</p> <p>Absoils Roadshow (3) took place in Turku, on the 19<sup>th</sup> of August, 2014. The event gathered about 45 participants.</p> <p>Absoils Roadshow (4) took place</p>	<p>Ramfi, Rudus</p>

	<p>Construction in Cities) in Stockholm on the 25-26<sup>th</sup> of April 2013. The event was devoted to reuse of construction and demolition waste and industrial by-products mainly for civil engineering purposes. The conference gathered several participants from 8 countries in the Baltic Sea region and the EU.</p> <p>The Absoils posters and a stand were presented at the 8th International SedNet conference, 6-9 November 2013, Lisbon, Portugal (<a href="http://www.sednet.org/conference2013.htm">http://www.sednet.org/conference2013.htm</a>) - a platform for sharing the experience gathered during the stabilisation of dredged sediments in Helsinki (the example of the Jätkäsaari project pilot).</p> <p>The project was also presented in the form of a PP presentation during the following international events:</p> <ul style="list-style-type: none"> <li>- Fly Ash Conference in Berlin (April 2015)</li> <li>- SIMMS seminar in Gothenburg (12, 2014);- Biomass Conference in Graz, Austria (1.2014).</li> <li>- International Ash Seminar in Sopot, Poland (10, 2012)</li> </ul>	<p>during the Mass Stabilisation Conference in Lahti, 22-24.4.2015</p> <p>The feedback from the participants of the events was very positive. The project was found interesting and its results very useful as an example to follow. The technical and environmental details and the quality control data were of the special interest.</p>	
An international workshop in Finland	YES	Planning for the Absoils International Seminar started in	Ramfi

in 2014		winter 2013/2014. Cooperation with another project – the Simm-Cities from Sweden - took place in order to ensure the participation of international guests. The networks of the Simm-Cities project allowed for the participation of the guests from Sweden, Estonia, Norway and the Netherlands (46 participants). The event took place on the 11 <sup>th</sup> and 12 <sup>ve</sup> of September, in Helsinki. The city of Helsinki was also strongly involved in the preparations and allowed the seminar to be organised in the city premises, in Jätkäsaari. The event received very positive feedback from the participants and resulted in new networking activities among them.	
Layman's Report	YES	In the original application, the plan was to produce 3000 paper copies of Layman's report only in English. However, it was decided that in order to save paper, 300 paper copies is sufficient and the report will be mainly disseminated in the electronic form. The report is in Finnish and English (attached as <b>Annex 15 and 16.</b>	Ramfi
Articles in professional magazines during 2013 and 2014 (2)	YES	The methodology and the pilot activities carried out in the framework of the Absoils project were described in the article devoted to the use of surplus soils in Finland (RIA /Rakentaminen, Edunvalvonta, Ammattitaito 4/2014) attached as <b>Annex 17)</b>  In 2013, an article on the Absoils project and the methods applied was published in the Viherpäivät magazine. (attached as <b>Annex 18)</b>  In the previous years, the project was also mentioned in the Viherympäristylehti 6/2012. However, the copy of the article is not available.	Ramfi
Conference papers about the project (4-6 relevant conferences)	YES.	The target was exceeded and 7 articles on the project and its achievements were produced and presented at relevant international conferences. The list of the articles is below.	Ramfi Biomaa/Lem minkäinen Rudus
Press releases about the project in 2011,	YES	Press releases on the project and its development were sent to the press three times during the project's	

2012 and 2014		implementation time. The most interest was evoked by the first release which was connected to the Kick-off event in September 2011. As a result, the project director was interviewed on the radio (Uusimaa radio channel as part of the news) and in later on regional TV station (Uusimaa) produced news on the challenges of surplus soils and the solutions proposed by Absoils.	
Local events to present the pilot activities to the public	YES	The complete list of the events and networking activities is presented below. The project received positive feedback from the audience.	Ramfi, Rudus, Lemminkäinen

The list of events and networking activities in Finland and abroad:

Date	Event	Comments
28.9.2011	ABSOILS project – the kick-off event; Helsinki	PP presentation plus discussion; Road-show posters
28.9.2011	radio interview/ Uusimaa regional radio channel	broadcasted as part of the News
29.8.2011	Absoils presentation at Geo-technology days in Helsinki	PP presentation
20.9.2011	Helsinki MARA legislation seminar (ashes) where Absoils presented (1 day)	oral presentation
27.10.2011	YGOFORUM seminar; Helsinki	<a href="http://www.ygoforum.fi/lahtinen.pdf">http://www.ygoforum.fi/lahtinen.pdf</a> ; PP presentation
2.11.2011	MASS seminar; Helsinki	PP presentation
21-22.11.2011	Baltic Inert Material Management Symposium; Stockholm, Sweden	<a href="http://bimms.org/presentations-day-1/">http://bimms.org/presentations-day-1/</a> PP presentation
20.12.2011	TV interview; Uusimaa regional news	7 pm. Channel 2
18.1.2012	Energy industry meeting; Helsinki	oral presentation
19.1.2012	Constructing sector days; Hämeenlinna	<a href="http://www.kiinko.fi/var/ezwebin_site/storage/kiinko_files/852014.pdf">http://www.kiinko.fi/var/ezwebin_site/storage/kiinko_files/852014.pdf</a> PP presentation

29.2.2012	Ramboll International Mass stabilisation group	PP presentation
23.3.2012	Surplus soil masses workshop (Helsinki, Vantaa, Espoo)	oral presentation
25.4.2012	Forest Industry seminar in Helsinki	PP presentation
29.6.2012	European meeting of the Ash Producers in Helsinki	PP presentation
16.8.2012	UUMA meeting in Pasila (Finnish Transport Agency)	oral presentation and networking
17.8.2012	Forest research seminar in Lepää (Fly ash from biomass)	oral presentation and networking
9-12.5.2012	NGM – Nordic Geotechnical Meeting in Copenhagen. Denmark	paper in the proceedings,  Oral presentation (PP) during the event  <a href="http://www.ngm2012.dk/Scientific%20programme">http://www.ngm2012.dk/Scientific%20programme</a>
31.5-1.6.2012	12 <sup>th</sup> Baltic Sea Geotechnical Conference 2012 in Rostock, Germany	paper in the proceedings  Oral presentation (PP) during the event (on Friday 1.6)  <a href="http://www.12bsgc.de/conference-time-schedule-June-1.htm">http://www.12bsgc.de/conference-time-schedule-June-1.htm</a>
31.5-1.6.2012	WASCON – 8 <sup>th</sup> International Conference on the Environmental and Technical Implications of Construction with Alternative Materials in Gothenburg (Sweden)	paper delivered in the proceedings  Oral presentation (PP) during the event  <a href="http://www.swedgeo.se/templates/SGIStandardPage_2198.aspx?epslanguage=EN">http://www.swedgeo.se/templates/SGIStandardPage_2198.aspx?epslanguage=EN</a>
9.10.2012	YGFORUM 2012	2 pp presentations
24-26-10.2012	International Ash Seminar in Sopot, Poland	100 two-page flyers distributed to the participants, networking and discussions concerning Absoils project  <a href="http://www.unia-ups.pl/news.php?readmore=49">http://www.unia-ups.pl/news.php?readmore=49</a>
1.11.2013	networking event with stakeholders in Tampere	oral presentation and networking

13.12.2012	RYMSHOK group meeting in Helsinki	oral presentation and networking
29.1.2013	Absoils Roadshow in Kuopio	pp presentation on the project; event in collaboration with the national UUMA programme
10.1.2013	By-product seminar in Oulu	oral presentation and networking
7.2.2013	AEL seminar in Tampere	oral presentation and networking
17.4.2013	HKR stabilisation days in Helsinki	oral presentation and networking
20.4.2013	UUMA seminar in Kokkola	oral presentation and networking
6.8.2013	Networking event in the Finnish Transport Agency in Helsinki	oral presentation and networking
15.8.2013	UUMA seminar in Oulu	oral presentation and networking
25-26.4.2013	Simm-cities conference and workshop (Sustainable and Innovative Material Management for the Construction in Cities)	<a href="http://www.simmccities.com">www.simmccities.com</a> pp presentation on RMSS, pp presentation by the city of Helsinki mentioning the project oral presentation of the project and networking benchmarking and discussions on the RMSS
22.8.2013	Finnish Geotechnical Society seminar concerning soil reinforcement, Helsinki	pp presentation
26-28.8.2013	XXVIII International Baltic Road Conference in Vilnius, Lithuania	article published in the proceedings pp presentation
23.10.2013	Dissemination of Absoils results during a meeting with Arizona Chemicals, Kajaanin ELY and FR Oulu and Kuopio	pp and oral presentation, discussions, plans for the use of the results in other parts of Finland, and other sectors
6-9.11.2013	The 8th International SedNet conference, Lisbon, Portugal	<a href="http://www.sednet.org/conference2013.htm">http://www.sednet.org/conference2013.htm</a> abstract sent to the conference, poster presentation
18-17.1.2014	Biomass Conference in Graz, Austria	PP presentation <a href="http://10times.com/central-european-biomass-conference">http://10times.com/central-european-biomass-conference</a>



10-11.4.2014	South Baltic Conference on Dredged Materials in Dike Construction in Rostock, Germany.	paper and PP presentation <a href="http://www.dredgdikes.eu/en/south-baltic-conference-on-dredged-materials-in-dike-construction-3024">http://www.dredgdikes.eu/en/south-baltic-conference-on-dredged-materials-in-dike-construction-3024</a>
4.4.2014	Roadshow 2, Helsinki, port of Vuosaari	PP presentations and discussions
19.8.2014	Roadshow 3, Turku, Finland	PP presentations and discussions
7.5.2014	dissemination/networking meeting with Erityisjäte representatives in Lahti	oral presentation and discussion on the use of the project results
3-5.6.2014	Networking and dissemination during the Green Week in Brussels/ on Tue 3.6. participation in the LIFE waste platform.	networking and one-pager of the project (100)
11-12.9.2016	Absoils international seminar (presentation on Absoils LCA/LCC and workshop participation)	5 PP presentations on Absoils project results and field-trip to the pilot site in Jätkäsaari <a href="http://projektit.ramboll.fi/life/absoils/documents.htm">http://projektit.ramboll.fi/life/absoils/documents.htm</a>
9.10.2014	International conference on material recycling/participation and networking, in Tallin, Estonia	sharing Absoils flyers with participants (60 participants from various countries)
4-6.11.2014	AvniR LCA-conference in Lille, France	Paper and presentation on Absoils LCA/LCC results
2-3.12.2014	Optimass seminar in Gothenburg in Sweden	Dissemination of Absoils projects results / PP presentation and discussion, networking
9.4.2015	Mass stabilisation meeting in Espoo (with UUMA project)	Dissemination of Absoils results and networking / oral presentation, discussion
22-24.4.2015	Road Show 4 during the international Mass Stabilisation conference in Lahti	Road show 4. 3 PP presentations, poster and stand

27.4.2015	UUMA2 seminar in Helsinki	Presentation of the Absoils results/ PP presentation
28-29.4.2015	Fly Ash conference in Berlin, Germany	Absoils project's results PP presentation
2.6.2015	networking events of LCA experts in Helsinki	oral presentation, networking
8-13.6.2015	Wascon 2015 conference in Santander in Spain	<a href="http://wascon2015.geruc.es/wascon2015-event-program/">http://wascon2015.geruc.es/wascon2015-event-program/</a> Article and PP presentation of the LCA/LCC results of the Absoils project

List of conference papers:

1. Niemelin, T., Ronkainen, M., Forsman, J., Kreft-Burman, K. and Suominen, M. 2015. Streamlined Life Cycle Case Studies: Utilising Surplus Soils in Civil Engineering Applications in Three Different Pilot Cases. WASCON June 10-12th 2015. (Attached as Annex 40)
2. Niemelin, T., Ronkainen, M., Forsman, J., Kreft-Burman, K. and Lahtinen, P. LIFE CYCLE CASE STUDY: UTILISING SURPLUS SOILS FOR CONSTRUCTING AN URBAN AREA IN A FLOOD PRONE ZONE. avniR conference, France, 2014 (Attached as Annex 39)
3. Lahtinen, P., Forsman, J., Kiukkonen, P., Kreft-Burman, K. and Niutanen, V. 2014 MASS STABILISATION AS A METHOD OF TREATMENT OF CONTAMINATED SEDIMENTS. South Baltic Conference on Dredged Materials in Dike Construction. Rostock, 10-12 April 2014 (Attached as Annex 38)
4. Forsman, J., Kreft-Burman, K., Lindroos, N., Hämäläinen, H., Niutanen, V., Lehtonen, K., EXPERIENCES OF UTILISING MASS STABILISED LOW-QUALITY SOILS FOR INFRASTRUCTURE CONSTRUCTION IN THE CAPITAL REGION OF FINLAND – CASE ABSOILS PROJECT, Baltic Road Conference, Vilnius 2013 (Attached as Annex 37)
5. Ollila, S., Forsman, J., Lahtinen, P., Niutanen, V. and Lehtonen, K., ABSOILS – Sustainable Methods and Processes to Convert Abandoned Low-Quality Soils into Construction Materials. NGM 2012, Denmark 2012 (Attached as Annex 35)
6. Kreft-Burman, K., Lahtinen, P., Ollila, S., Forsman, J., Niutanen, V., Lehtonen, K., Absoils - Sustainable Methods and Processes to Convert Abandoned Low-Quality Soils into Construction Materials, WASCON conference, Gothenburgh, Sweden 2012 (Attached as Annex 36)
7. Forsman, J., Korhonen, O., Havukainen, J., Kreft-Burman, K., MASS STABILISATION IN CONSTRUCTION OF SOFT SUBSOILS AND IN ENVIRONMENTAL GEOTECHNICS AT CITY OF HELSINKI Rostock 12 th Baltic Sea Geotechnical Conference, 31 May – 2 June 2012 (Attached as Annex 30)



Figure 1. Absoils presentation at Baltic Inert Material Management Symposium held in Stockholm (2011)

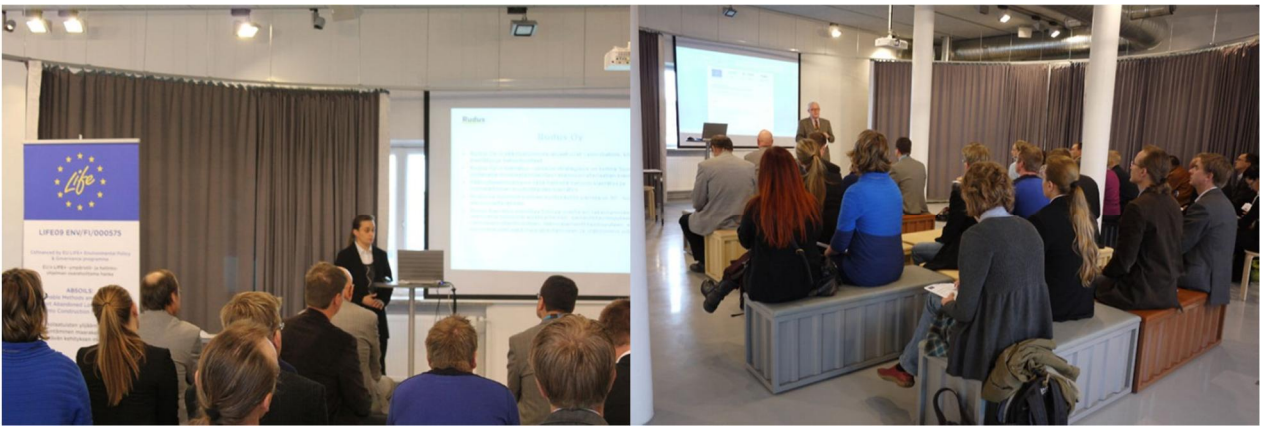


Figure 2-3. Kick-off seminar in Helsinki (2011)

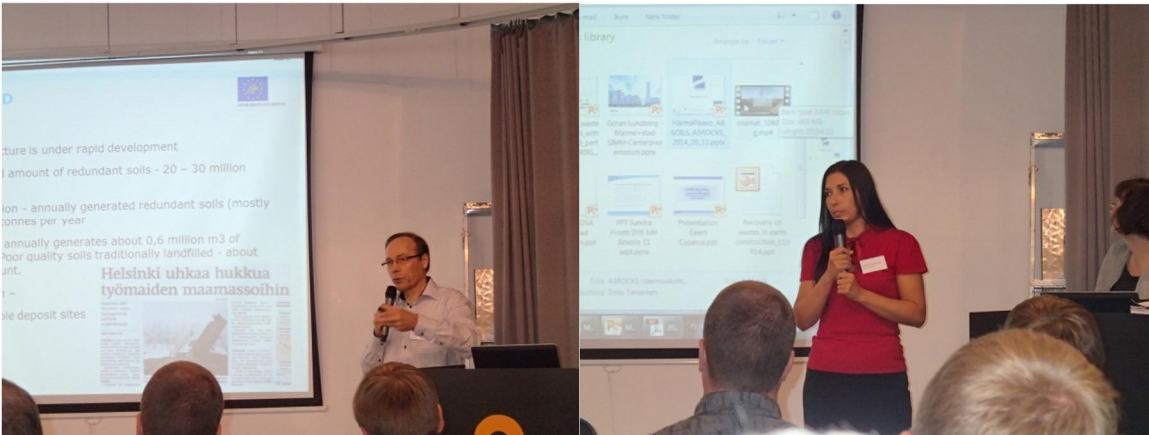




Figure 4-9. Absoils international seminar in Helsinki (2014)

- Audio-visual products:
  - o Photographs are attached in the electronic form (on CD-rom) [Annex 19](#)
  - o The project two-pager in English is attached as [Annex 20](#) and the Polish version is attached as [Annex 21](#).
  - o The International Guidelines are attached as [Annex 13](#).
  - o The video on the Absoils project is attached in the electronic form as [Annex 22](#), and the video on the RMSS system is attached as [Annex 23](#).
  - o The conference posters are attached in the electronic form as annexes:
    - avniR conference poster (2014): [Annex 24](#)
    - SedNet conference poster (2013): [Annex 25](#)
    - Poster concerning Absoils pilot operations and the project itself (presented at various events): [Annex 26](#) (Dog Park pilot), [Annex 27](#) (Arcada2 pilot), [Annex 28](#) (Absoils project).