



EUROPEAN  
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Community Research

# **DOPAS**

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## **Deliverable n°7.11.4**

### **D7.11.4 Dissemination activities, other (0-18 M)**

Author(s)

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Project co-funded by the European Commission under the Euratom Research and Training Programme on Nuclear Energy within the Seventh Framework Programme		
Dissemination Level		
<b>PU</b>	Public	x
<b>PP</b>	Restricted to other programme participants (including the Commission Services)	
<b>RE</b>	Restricted to a group specified by the partners of the DOPAS project	
<b>CO</b>	Confidential, only for partners of the DOPAS project	

DOPAS



Scope	Deliverable n°7.11.4 (WP7)	Version:	1.0
Type/No.	Report	Total pages	2+2
		Appendixes	2
Title	D7.11.4 Dissemination activities, other (0-18 M)	Articles:	

#### **ABSTRACT:**

Compilation of other dissemination activities published during the first 18 months of the DOPAS project.

Appendix 1 FSS progress video by Andra, which can be seen in DOPAS public web page.  
Appendix 2 VTT Intranet news

#### **RESPONSIBLE:**

*Posiva Oy, Johanna Hansen*

#### **REVIEW/OTHER COMMENTS:**

Before publishing dissemination items they have been reviewed by DOPAS consortium.  
Experiment related Dissemination items are reviewed by Partner responsible for Experiment.

#### **APPROVED FOR SUBMISSION:**

by Johanna Hansen 17.07.2014



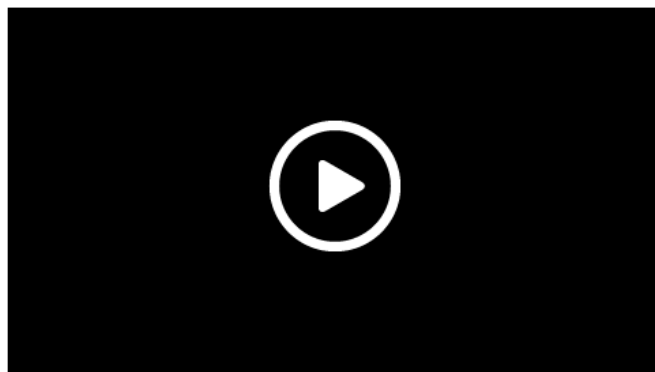
# DOPAS

## Full Scale Demonstration of Plugs and Seals

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[Dopas | WP 3 | Experiment 1 FSS | FSS Progress](#)

**A short video by ANDRA and GMES informs the status of FSS experiment and preparation work done during 2013.**



The plans and current status was presented in a Poster at Euradwaste 2013 conference.

 [Print DOPAS - Euradwaste Poster FSS \(pdf\) \(7.6 MB\)](#)

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## Appendix 2

16/01/2013

[VTT cooperates with Posiva in the EU DOPAS project](#)

**Fourteen nuclear waste management organisations and research institutes from eight European countries are participating in a technology development project for testing plugging and sealing systems for geological disposal facilities for radioactive waste - the DOPAS project ("Full-Scale Demonstration Of Plugs And Seals"). The project is built around a set of full-scale underground demonstrations, laboratory experiments, and performance assessment studies. VTT works in the project together with Posiva Oy.**

VTT's responsibilities in the EU DOPAS project are:

- Instrumentation of the concrete plug and bentonite/clays backfill material (**Ilkka Hakola & Pieti Marjavaara**, TK201)
- Monitoring of plug performance through pressurization and leakage assessment, data acquisition and analysis (**Ilkka Hakola & Matti Halonen** TK201)
- Low pH concrete material performance verification (**Markku Leivo**, TK203)
- Overall Project Manager for whole Posiva's full-scale plug (**Erika Holt**, TK201)

The project budget is €15.7 million, and is jointly funded by the Euratom's Seventh Framework Programme (€8.7 million) and European nuclear waste management organisations. The project is running in the period September 2012 – August 2016, and is being coordinated by Posiva Oy, a nuclear waste management company in Finland.

The project will compile the design basis of plugs and seals, develop new technology for plug and seal materials and for the assembly and construction of plug and seal systems, carry out full or partial design of the systems, and perform five full-scale plug and seal tests. The tests will be carried out in research facilities representative of varying geological environments in Finland, France, the Czech Republic, Sweden and Germany. In addition, the performance of the plugs and seals will be assessed and compared to design requirements. A further task is to inform the wider radioactive waste management community about the work and results of DOPAS, via attendance at international scientific meetings and project publications.

In 2016, the project team will organise an international seminar on plugging and sealing technology for geological disposal of radioactive waste.

The impetus to the cooperation comes from the Strategic Research Agenda of the Implementing Geological Disposal of Radioactive Waste - Technology Platform (IGD-TP).

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