



# DOPAS

(Contract Number: FP7 - 323273)

## Deliverable n°7.1

### D7.1 Dissemination Plan (incl. exploitation)

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Start date of project: 01/09/2012

Duration: 48 Months

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	



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Type/No.		Total pages	2+12
		Appendixes	3
Title	D7.1 Dissemination Plan (incl.exploitation)	Articles:	7

**ABSTRACT:**

Dissemination Plan including exploitation with list of tentative dissemination activities. This plan describes the planned dissemination activities, mechanisms, target groups, and how the dissemination activities are implemented. Exploitation will be updated in the end of DOPAS project.

**RESPONSIBLE:**

*Posiva Oy, Johanna Hansen*

**REVIEW/OTHER COMMENTS:**

Reviewed by Consortium participants by 8<sup>th</sup>, February 2013 and comments included in final version.

**APPROVED FOR SUBMISSION:**

Johanna Hansen 8th February 2013



## **DISSEMINATION AND EXPLOITATION PLAN**

### **1 Introduction and background**

This plan describes the management of dissemination and exploitation in DOPAS project and this plan is updated if required at the end of the project concerning the exploitation of the project's foreground and it addresses IPR and potential industrialisation of outcomes, too. This plan describes the strategic Dissemination Activities foreseen throughout the project to communicate the project's purpose, progress and results with a view towards confidence building among the key decision makers and the general public (civil society). These activities will be carried out in an integrated manner with the IGD-TP and its Secretariat.

The Dissemination plan will address the content described for dissemination including success criteria for the dissemination. A major success criterion is the outreach of the DOPAS in relation to its different defined target groups for dissemination and the number of publications either as project deliverables or as other public documents and presentations. Also the success criteria like the feasibility of implementing the planned experiments will be communicated. Part of the dissemination activities will be carried out in cooperation with the IGD-TP Secretariat, since the DOPAS project is first major IGD-TP Deployment Plan's Joint Activity.

*The research leading to these results will receive funding from the European Union's European Atomic Energy Community's (Euratom) Seventh Framework Programme FP7/2007-2011 under grant agreement no 323273, the DOPAS project".*

#### **1.1 Approval and changes in the Dissemination and Exploitation Plan**

This plan is approved by DOPAS consortium and updates into master table of the Dissemination Activities are done yearly and the updated Dissemination Activity table is approved in the General Assembly of DOPAS project.

#### **1.2 DOPAS project from dissemination point of view**

The DOPAS project consortium consists of 14 partners. They include six waste management organisations from Finland, France, Czech Republic, Sweden, United Kingdom and Switzerland. In addition, the consortium members are complemented with German organisations responsible for RD&D activities under the Bundesministerium für Wirtschaft und Technologie (BMWi) namely GRS and DBETEC. Further the consortium is complemented with a Technical Support Organisation (TSO) from the Netherlands, NRG and a technical university CTU from the Czech Republic, who is in possession of an Underground Research Centre at the Josef Gallery. In addition expert organizations on radioactive waste management and research from UK, GSL and from



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Czech Republic, UJV; on civil, geotechnical and environmental engineering, VTT and on EBS research and development from Finland, B+Tech, joined to the consortium. The consortium partnership represents repository projects in clay, salt and in crystalline rock, which differ in many technical respects but also share many issues in the way of carrying through demonstration activities, i.e. the topic of this project.

DOPAS project for full scale demonstrations of plugging and sealing repositories is a high priority large scale technical project in IGD-TP SRA Key Topic 3 (Technical feasibility and long-term performance of repository components). Its main objective is to improve the adequacy and consistency regarding industrial feasibility of plugs and seals, the measurement of their characteristics, the control of their behavior over time in repository conditions and also their hydraulic performance acceptable with respect to the safety objectives. The DOPAS project addresses the design basis, reference designs for the demonstrations and strategies to demonstrate the compliance of the reference designs to the design basis, for plugs and seals in geological disposal facilities. DOPAS 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 demonstration experiments 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. This will be done in 5 thematic work packages (Figure 1.) and in addition in supporting Work Packages WP1 Project Management and coordination and WP7 Dissemination including Exploitation. The DOPAS project can also have links to some of the IGD-TP's other Joint Activities. These links are potentially discussed within all dissemination activities related to the technical content of DOPAS project especially at the IGD-TP's Exchange Forum meetings.

The project brings forward important demonstration activities in plugging and sealing, which are needed to be carried through before the knowledge is refined enough for starting constructing of final repositories, independent of the type of host rock. These demonstration activities are also a part of each participants long-term Research, Development and Demonstration (RD&D) programmes and the need of results and how results are going to be used, when available, have been thoroughly identified. In some cases, the use of results is connected to licensing procedures expected to start fairly soon and in other cases the use is connected to development of solid cases for building public confidence and promoting later license applications

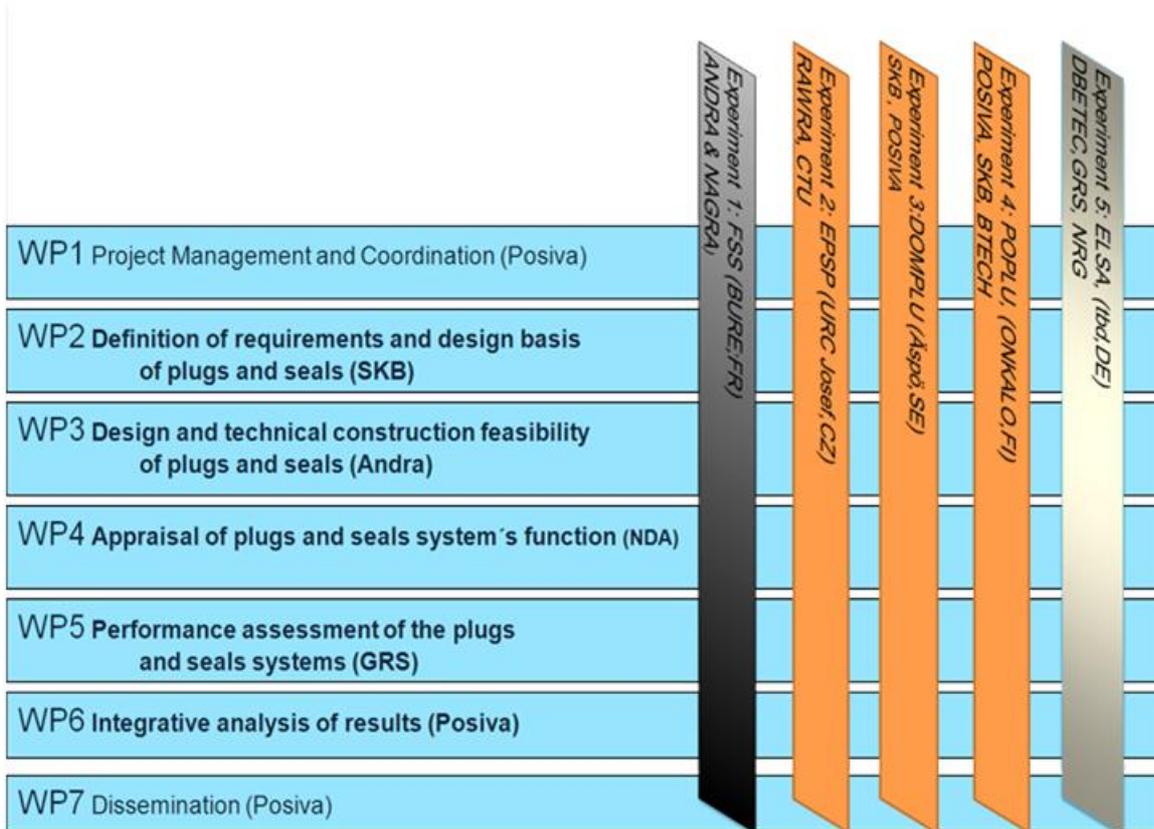


Figure 1. DOPAS Work Packages and Experiments in DOPAS (Full-scale Demonstration of Plugs and Seals)

## 2 Dissemination philosophy and mechanisms and target groups for DOPAS

Implementation of DOPAS project is a part of deployment phase of the IGD-TP's SRA (see page 59), which is foreseen to be helpful in:

- Keeping up technical and scientific activities, which should support the different stages of the implementation of the repositories.
- Reducing of overlapping work.
- Better use of existing competence and research infrastructures.
- Identification and use of synergies and possibilities for cost sharing.
- Allowing and facilitating the interactions between waste management programmes of different maturity.
- Competence building.
- Knowledge transfer to programmes at earlier stages of development.



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- Allowing a better insertion of the management of radioactive waste in the European Research Area.
  - Defining and setting up of different types of specific joint activities and networks to reach the Vision 2025.

Dissemination on DOPAS is in alignment with the Vision 2025 (2009) and it meets the IGD-TP SRA requirements (ref. SRA 2011 Chapter 4.1.4). The DOPAS Dissemination Activities needs to be organised according to, and driven by the individual waste management programme needs to take into consideration national and local circumstances. Communication needs to be both proactive and reactive, and needs to change over project lifetime to address different issues and different groups of stakeholders, and also will change to reflect the changing stage of implementation for each waste management programme in different countries having partners in DOPAS project.

## 2.1 Dissemination philosophy in DOPAS

From dissemination point of view DOPAS is a project for learning about feasibility and industrialisation for implementation of plugs and seals in the repository conditions including the assessment of long term safety for plugs and seals. The dissemination philosophy and tools can include the work based on Markkula & Suurla (1999) including different dissemination and activities taken at the different stages of the project i.e. at the beginning, during the project and after the project (especially in relation to the foreground).

## 2.2 Target groups for dissemination within DOPAS

Target groups for DOPAS have been identified and the dissemination activities are planned to fulfill the needs and expectations of the groups specified below.

**Target group 1:** General public incl. political decision makers and NGOs should be addressed with the dissemination of general information about the safety of geological disposal, the importance of demonstrating full scale plugs and seals for the safety, and the state of the art and practical implementation of such demonstration work.

**Target group 2:** Waste management organisations and organisations responsible for the implementation of a waste management programme need to be disseminated and transferred e.g. specific scientific knowledge both public and confidential about the design basis, technical feasibility and technical reliability of full scale plugs and seals experiments among the project's implementing organisations for the advancement the scientific and technical basis of the safety of plugging and sealing in the various repository concepts and for their licensing.

**Target group 3:** Research institutes and consultants and overseeing authorities/regulators and TSOs need dissemination about the new state of the scientific and technological state-of-the-art (as a starting point for new related research and consultation activities and opportunities and for having new competence in engineering and construction and dissemination of the country specific scientific and technical data and the results of the integrative analysis to the authorities as a part of



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the bilateral or wider dialogue with the overseeing and licensing authorities (this type of information may be also restricted in nature to the consortium members and their subcontractors in the project). They may also be asked to participate as peer review experts in the EE process defined in WP6.

**Target group 4:** Universities and new experts and professionals need the dissemination of the non-confidential scientific and technical knowledge to university professors, trainers, professionals with little prior knowledge about the topics from various organisations in the scientific community, industry and authorities, post-graduates (in the first place doctoral students) with an emphasis of widening the scientific and technical body of knowledge about the safety requirements, technical feasibility and performance assessment related to plugs and seals in geological disposal.

### 2.3 Dissemination mechanisms

Dissemination activities are divided for following categories:

#### Publications

DOPAS publications can be divided in two categories. Reports as project deliverables are publications and they are listed in DOPAS Project Plan. Publication here means **scientific articles** in Conjunction of Conference proceedings or articles in Scientific Journals. Publications include also **newsletters, articles and magazines**, when they are subjected to the review.

#### Conferences

Conferences include usually the **oral presentations and posters**. Typically the conference requires an **abstract** and also the **proceeding**, where the content of the poster or oral presentation is described in more detail. The DOPAS will be disseminated in several conferences for different areas and a topical conference for plugs and seals will be organized. DOPAS have a separate template (Appendix 2.) for presentations, which can be used in all Dissemination Activities within DOPAS project.

#### Workshops

Workshops can have different type of material for dissemination like **presentations, posters, debate, group work summaries and other interactive material produced during workshop**.

#### Internet and extranet

DOPAS internet website ([www.posiva.fi/dopas](http://www.posiva.fi/dopas) or [www.igdtp.eu](http://www.igdtp.eu)) will have work package and experiment related information. All public information will be published via DOPAS website. DOPAS website is an important channel inside the project consortium, but also the easiest place to get information on project status and achievements for all dissemination target groups. DOPAS project has also an own mail box, which is accessed by coordinator and this helps people to contact the Partners easily.



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Extranet is used both for the IGD-TP participants and for the restricted project information and it is available for the consortium members, only (Appendix 3).

### Press and media

Press releases will be published regularly when there is a material to be published. The main target group depends on the type of the media. The **press releases** can be targeted to the specified target medias in local, national or international level. Also **articles and interviews** are the ways to disseminate DOPAS outputs. **Media briefings and press conferences** can be organised in conjunction of DOPAS related events. TV Clips, films and videos can be done for the media, and can be done also by media.

### Project information

**Brochures, flyers, leaflets and newsletters and videos** available via internet or as printed versions on site are a good way to inform all target groups about DOPAS. These can be done in different languages to be able to reach as big as possible target group.

### Other disseminating opportunities

Waste management organizations often present their concept or work in different type of **exhibitions** and this could offer an opportunity to involve DOPAS experts to tell about the plugging and sealing.

On experiment sites are sometimes organized different type of events like open doors or visiting periods and these can be utilized also for DOPAS and have the specific **project posters** on site and experts for giving information on project.

**Thesis** and other type of **official educational opportunities** supervised by DOPAS experts is a good way to increase the knowledge within waste management area.

The different mechanisms to increase the outcome of the project are in bold and these are used also in the Appendix 1 to be able to categorize the different Dissemination Activities.

## **2.4 Reaching the target groups**

**Target group 1:** General public incl. political decision makers and NGOs will be reached mainly by internet, by media, by visiting activities in all Experiment Sites.

**Target group 2:** Waste management organisations and organisations responsible for the implementation of a waste management programme will be reached by internet and via IGD-TP and partly also via publications. Also the conferences, workshops and training course can be used for this purpose. The idea is that Partner's own employees have a good understanding of DOPAS project and its objectives, which support the information delivery in all international contacts and events.



**Target group 3:** Research institutes and consultants and overseeing authorities/regulators and TSOs are reached by visiting at sites and by publications. The seminars, workshops and training course are in important role also for this target group.

**Target group 4:** Universities and new experts and professionals can be reached by co-operation with universities in all levels and by offering possibilities to the site visit and also for training course and workshops. Also thesis and other items related to the scientific education can be used as a tool for dissemination.

In dissemination activity table the target group is also identified and within one dissemination activity the several groups can be reached.

### **3 Exploitation of DOPAS project**

The dissemination activities within DOPAS ensure also the exploitation of the project outcome. Part of the project deliverables are published in different forms of reports, which are archived in the report libraries in organisations responsible for report in question. That ensures the sustainability and transfer of the project Outcome and knowledge also beyond the DOPAS project. If project produces a Foreground which can be considered to be commercial exploitation it needs to be decided in the end of the DOPAS project and a separate plan needs to be prepared for commercialisation.

### **4 DOPAS Dissemination plan**

The Dissemination Activities belongs to DOPAS project WP7 Task 7.4 Publishing and presentation of public results of the DOPAS activities lead by Posiva. The preliminary idea on DOPAS project dissemination was presented in DOPAS project proposal and this plan updates the preliminary ideas and presents the activities in separate table (see Appendix 1).

Each Work Package is expected to produce results which are of interest to share with worldwide experts in order to foster an international dialogue and to expose finding and conclusions to in-official reviews and in-official comments. Each Work Package 2-6 leader will address this issue by proposing suitable means of publication of results in professional journals, as oral or poster presentations at seminars or conferences, where the majority of the participants are regulators like e.g. the annual "Eurosafes" conference. This activity targets to the political and governmental decision makers and regulators is potentially coordinated together with the Secretariat of the IGD-TP. The aim is to produce and publish in total at least five papers of the experiments (SKB, ANDRA, GRS, POSIVA, and RAWRA) within the DOPAS project. Further the consortium intends to be an active presenter in seminars and other venues throughout the project duration.

A project description is prepared early in the beginning of the project for the "Euratom FP7 Research & Training Projects" project compendium and two 2-paged documents will be written



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about the scientific and technical achievement of the DOPAS project at the end of the project. These documents are aimed foremost for the technical community and for the general public and decision makers respectively. This task 4 also includes the production of regular electronic newsletter about the DOPAS progress and achievements at 9 months intervals, the preparation of four experiment specific posters acknowledging the EC contribution to the DOPAS and placed on the four experiment sites or in their direct vicinity at Äspö, ONKALO; Bure and URL Josef as soon as the experiment locations are known at each site. The input directly to this task is provided by Posiva and the other three organisations running the experiments: SKB, ANDRA and CTU. In addition to increase the scientific value of DOPAS project, two specific events will be organised within DOPAS project.

First is to set up a training planning group and to organise one plugs and seals training workshop that is open also for participants outside the consortium. The training workshop will follow a well designed learning process capturing the framework of the DOPAS project and the learning outcomes of the training will be defined so that at a later stage the recognition of the learning outcomes from the training work shop could take place e.g. according to the ECVET approach. The training workshop plan and the training process content are produced as a deliverable of the project and published on the IGD-TP/DOPAS public website. The open access to this material will be studied taking into account the nation and EU wide constraints of IPR on training materials especially if trainers from outside the DOPAS consortium members are used. The potential of organising also smaller tutorials during the DOPAS project e.g. in connection with the expert visits is also included in this work package. The final training budget will be defined after the training workshop has been planned, the tutors defined, and the registrations from the participants received.

Second, the consortium organises in cooperation and produce input for the IGD-TP's full-fledged international seminar in final phase of the project 2016 focusing on plugs and seals and the lessons learned around the full scale demonstrations from 2012 to 2015. For the seminar a call for papers will be issued and the call and the papers will be published on the IGD-TP/DOPAS website in pdf-format and in a limited number in the form hard copy proceedings (print and/or CD). As a part of the seminar arrangements the IPR of the papers will be addressed to ensure the publication of the proceedings as planned. A programme planning group in cooperation with the IGD-TP will be set up as a task force for planning the programme content (including a plenary, poster sessions and/or workshops, and thematic presentation of submitted papers).

All Partners have work resources in WP7 directly or indirectly via WP2, WP3, WP4 or WP5 and WP6. Work packages WP2-WP6 including the experiment design, implementation and performance produces the output to be disseminated.

The following objectives have been set for dissemination of DOPAS project (Table 1). Amount of Dissemination Activities in DOPAS directed to the target groups and audience described in Dissemination Activity table (Appendix 1) in a balanced way (distribution of number of Dissemination Activities to each group) are also performance indicators (an impact indicator), which counteracts to measure the success and the impact of the DOPAS project.

**Table 1. DOPAS objectives for dissemination work package (WP7).**

Dissemination (WP7)				
To ensure wide and high quality dissemination to the identified target groups in a balanced manner for maximum impact	Actions plan is ready for implementation and follow-up	D7.1 Dissemination Plan (incl. exploitation)	M4	Dissemination plan content drafted (M2)
To ensure wide and high quality dissemination via the EC documentation	Ready	D7.5 Project description for the EC FP7 project compendium	M4	
To acknowledge the scope and role of the test on test sites and acknowledge the EC contribution	Experiments posters are available at the sites	D7.7 Experiment poster of DOMPLU with EC acknowledgements at the underground site in Åspö (Sweden)	M3	
		D7.8 Experiment poster of POPLU with EC acknowledgements at the ONKALO site (Finland)	M12	
		D7.9 Experiment poster of FSS at the underground site with EC acknowledgements in BURE (France)	M3	
		D7.10 Experiment posters of EPSP at the underground site with EC acknowledgements in URC Josef Gallery (Czech Republic)	M8	
To publish and disseminate the project results to a wide audience via the internet	Newsletter and other material distributed	D7.4 Publishing in total six newsletters in pdf-format at 9 months interval on the IGD-TP/DOPAS website	M9, M18, M27, M36, M45, M48	First newsletter published (M10)
		D7.6 Two journalist edited 2-page summary documents of project's scientific and technical achievement	M47	Foreseen at the mid-term and at the last quarter of the DOPAS project
Networking and training	Workshop organised and reported	D7.2 Plug and Seal Training Workshop planning and implementation report	M39	Learning and implementation plan for the training workshop (M24)
To organise an international seminar/ conference related to plugging and sealing with call for papers and posters	Review of papers carried out by the programme committee. Proceedings published.	D7.3 Organisation and publication of proceedings in cooperation with the IGD-TP an international seminar/conference in 2016	M44	First call for the papers and for the international seminar in 2016 announced (M30)

## 5 Implementation of Dissemination plan for DOPAS

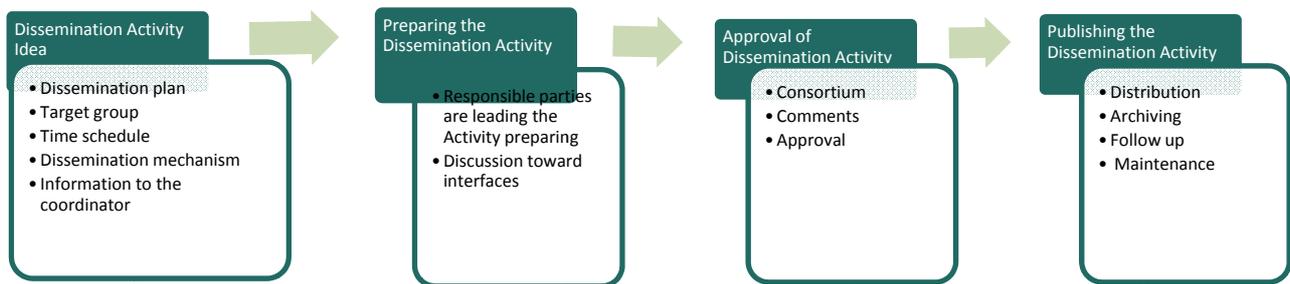
The DOPAS project and its outcomes are disseminated with a simple process for stakeholders and civil society (defined as the Target Groups in Chapter 2.2). It includes four phases:

- Dissemination Activity idea
- Preparing Dissemination Activity
- Approval of Dissemination Activity
- Publishing Dissemination Activity,



which are presented in following process (Figure 2) . The success of the dissemination is evaluated in DOPAS Project Summary reports.

**Figure 2. Dissemination process for DOPAS**



### Dissemination Activity idea by Partner

Activities are taken from Dissemination plan. The list of the dissemination activities for DOPAS Consortium is updated regularly. The Dissemination Activity idea needs to have specified:

- type of activity
- time schedule
- target group
- size of the audience
- countries and partners involved
- rules and approvals for publishing.

Each Partner behind the idea is responsible to collect this information. If the Dissemination Activity idea is not in the Dissemination Plan it needs to be informed to the Consortium according to the Dissemination Activity approval rules. Dissemination Activity idea type will define whether the Dissemination Activity needs to be published coordinated or it is more related to the national level. All ideas need to be provided as information to the project coordinator.

### Preparing the Dissemination Activity

Each Partner shall prepare the activity according to the specified Dissemination Activity Idea and to take care of the publishing it. Each Partner prepares Dissemination Activities by its own cost except those Activities, which are agreed other way and/or are according to Consortium Plan costs. Each



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Partner has responsibility for Dissemination Activity prepared by their own personnel or their stakeholders (Affiliated Entities, Third Parties and Associated Groups).

### Dissemination Activity approval

Dissemination activities including but not restricted to publications and presentations shall be governed by the following procedure:

- The notice period for *dissemination* activities shall be 30 days.
- The period within which *beneficiaries* may object shall be “15 days”.

To encourage the Project Partners to disseminate the project activities the approval process is simple. For Dissemination Activities already mentioned in the Dissemination Activity table it is enough to give objection without notice period.

Any objection-to the planned publication shall be made in writing to the Coordinator and to any Party concerned. If no objection is made within the time limit stated above, the publication is permitted.

The dissemination level of each Foreground shall be indicated by the publishing Party in each case by using the following codes:

PU = Public reports which summarise the work done within DOPAS and has undergone the EE review or other type of external review, and present the final results of the work.

PP = a "Working report" type of public report, which includes a disclaimer as it describes only work in progress and is thus not officially quality assured by a Party (i.e. does not present the official view of the publishing organisation). The Use of the content is limited to the Consortium (including the Commission Services)

RE= reports or memorandums, which are working material for the later stages or the deliverables in DOPAS project and do not represent final information and therefore are not public in nature. The Access Rights and Use of these documents is restricted to a group specified by the consortium (including the Commission Services). Their information will be summarised in DOPAS Experiment summary reports or Work Package summary reports.

Project deliverables shall be written in English and shall undergo a separate approval process within the organisation which is responsible for the work. When the report content handles work or results from several organisations the publication times and rules for dissemination activities are also valid before the approval process for publication from the responsible organisation.

### Publishing the Dissemination Activity

Approved dissemination activity will be published depending on the dissemination level and type of the activity. Mainly all dissemination activities will be published by EC database services and DOPAS intranet under IGD-TP and/or DOPAS public internet. The language of dissemination activities are usually English but for the national and local Civil Societies also the national languages are allowed. EC database and DOPAS public internet is used by Coordinator and DOPAS Projectplace extranet can be used by all Members. Dissemination activities needs to be



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included in project progress reports and in the final reports in addition to the archiving the documents to the DOPAS intranet and web within their publication. The DOPAS public deliverables listed in DOPAS Project Plan will be published in Public DOPAS web page by coordinator after consortium review following the review procedure presented above. DOPAS web page are open via IGD-TP public web page to the interested IGD-TP stakeholders.

## 6 Intellectual property rights

Consortium members shall implement its tasks in accordance with the Consortium Plan (incl. EC-GA Annex I) and shall bear sole responsibility for ensuring that its acts within the Project do not knowingly infringe third party property rights. Project Foreground and Background shall be used only for the purposes for which Access Rights to it have been granted. The Access rights are described within a separate Consortium Agreement.

In case an invention is made, conceived or first actually reduced to practice by a Party or its employees independently in the context of activities by the Parties within DOPAS, a Party has the right to file a patent before disclosing the invention to the other Parties. The other Parties shall have full and unrestricted rights, but solely for their own Use within the context of their Waste Management Programme to Use such invention and to manufacture and Use any product based on or incorporating such invention.

## 7 References

IGD-TP 2009, "Implementing Geological Disposal of Radioactive Waste Technology Platform. Vision Document." (2009). Also available as EUR 24160 EN. ISN 978-92-79-13622-1.

IGD-TP 2011 IGD-TP Strategic Research Agenda 2011 (SRA 2011) ISBN 978-91-979786-0-6, [www.igntp.eu](http://www.igntp.eu)

IGD-TP 2012IGD-TP. Deployment Plan 2011-2016. ISBN 978-91-979786-1-3 [www.igntp.eu](http://www.igntp.eu)

Suurla, R., Markkula, M. & Finnish Leonardo Centre (1999): Methods and Tools for Effective Dissemination. A Guide to the Dissemination of the Results of International Educational Projects

**Appendix 1.** Dissemination Activities table for DOPAS consortium

**Appendix 2.** DOPAS PPT template

**Appendix 3.** Projectplace Extranet Structure

**Appendix 1. Dissemination Activities Table for DOPAS consortium (This is tentative and will be updated yearly)**

No	Type of activities	Main leader, Partner name	Title, Name of venue (and *) for agenda)	Planned Date	Place (place, organisation, country code) or publication	Type of audience (and/or number of participants or target group)	Size of audience	Countries addressed
1	Conference	Andra -WP3	FSS Poster Session - Clays in Natural & Engineered Barriers for Radioactive Waste Confinement	22-25 Oct 2012	Montpellier / Andra / France	Scientific Community (higher education, Research)	500+	EU
2	Presentation	Posiva WP7	Joint activities update DOPAS EF3	29.11.2012	IGD-TP Exchange Forum 3	Scientific Community (higher education, Research), WMO	100	EU
3	Press release	Posiva, All	Launch of European-wide cooperation on plugging and sealing technology	31.12.2012	FI , FR	Medias, all type of audience	>100000	FI, FR
4	Article	Posiva WP7		31.1.2013	D7.5 Project description for the EC FP7 project compendium	EC community		EU
5	Conference	Andra -WP3	Full paper and public Presentation - Waste Management Conference 2013	24-28 Feb 2013	Phoenix /WM Symposia/ AZ / USA	Industry	2000+	EU
6	Article	Posiva WP7	Plugging and sealing repositories a European cooperation	28.2.2013	ATS Ydintekniikka (A scientific Journal by Finnish Nuclear Society)	Scientific community Nuclear experts in Finland (Universities, WMO, TSO)	>4 000	FI

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7	Poster	SKB WP7	DOMPLU POSTER	31.3.2013	D7.7 Experiment poster of DOMPLU with EC acknowledgements at the underground site in Äspö (Sweden)	Civil Society (Site visitors)	>10 000	EU
8	Poster	Andra WP7	FSS POSTER	31.3.2013	D7.9 Experiment poster of FSS at the underground site with EC acknowledgements in BURE (France)	Civil Society (Site visitors)	>10 000	EU
9	Poster	RAWRA	To be determined later	April 2013	Czech tunneling conference	Scientific Community (higher education, Research)	300+	EU
10	Poster	Rawra WP7	EPSP POSTER	31.4.2013	D7.10 Experiment posters of EPSP at the underground site with EC acknowledgements in URC Josef Gallery (Czech Republic)	Civil Society (Site visitors)	> 5 000	EU
11	Newsletter (electronic)	Posiva WP7	DOPAS project satus and achievements 1	31.5.2013	D7.4 Newsletters in pdf-format on the IGD-TP/DOPAS website	Civil Society and scientific community		EU
12	Blog (internet)	Posiva WP7	Large scale testing - TBD	2013	Ydinreaktioita by Energiateollisuus (Nuclear Reactions blog by Finnish Energy Industries)	Civil Society	1000	FI
13	Exhibition (not confimed)	Posiva WP7	Information on large scale experiments (DOPAS)	2013	To be determined later	Civil Society	500	FI

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14	Poster	Posiva WP7	POPLU POSTER	31.8.2013	D7.8 Experiment poster of POPLU with EC acknowledgements at the ONKALO site (Finland)	Scientific Community (Site visitors)	>300	EU
15	Oral presentation	ALL WP7	DOPAS status	2013	Eurosafe Forum 4.-5.11.2013 Cologne, Germany	Scientific Community (higher education, Research), WMO		EU
16	Conference	Posiva WP7	Dopas project	14.-16.10.2013	Euradwaste	Scientific community (Research)	200	EU
17	Presentation	Posiva WP7	Joint activities update DOPAS EF4	29.-30.11.2013	IGD-TP Exchange Forum 4	Scientific Community (higher education, Research), WMO etc stakeholders	100	EU
18	Article in company magazine	Posiva WP3	About POPLU	2014	FI	Civil society	40000	FI
19	Articles in popular press	Andra	Essai sur la fermeture de galerie à Saint-Dizier	2014	Andra's Newsletter	Civil Society	> 5000	FR
20	Article in company magazine of contractors	Posiva, VTT	Design, planning and construction of POPLU experiment	2014	FI	Civil Society, Industry	> 5000	FI
21	Conference	Posiva, VTT	DOPAS in PEBS final conference	6.-7.2.2014	Hannover	Scientific community (Research)	~ 200	EU

**Appendix 1. Dissemination Activities Table for DOPAS consortium (This is tentative and will be updated yearly)**

No	Type of activities	Main leader, Partner name	Title, Name of venue (and *) for agenda)	Planned Date	Place (place, organisation, country code) or publication	Type of audience (and/or number of participants or target group)	Size of audience	Countries addressed
22	Newsletter (electronic)	Posiva WP7	DOPAS project status and achievements 2	28.2.2014	D7.4 Newsletters in pdf-format on the IGD-TP/DOPAS website	Civil Society, Scientific community		EU
23	Articles in popular press	RAWRA	To be determined later	2014	RAWRA Journal for local public	Civil Society	11 000	CZ
24	Publication	RAWRA/CTU	To be determined later	2014	TUNEL Journal	Czech scientific community	3 000	CZ
25	Publication	VTT	Recipe development and performance verification on low pH concrete	2014	Concrete Journal	Industry and scientific community	> 10 000	FI
26	Workshop	VTT	Lecture on challenging concrete/clay plug construction	2014	"Concrete Days " organised by Finnish concrete association	Industry and scientific community	>200	FI
27	Newsletter (electronic)	Posiva WP7	DOPAS project status and achievements 3	30.11.2014	D7.4 Newsletters in pdf-format on the IGD-TP/DOPAS website	Civil Society and scientific community		EU
28	Conference	Posiva, RAWRA/CTU /UJV WP3	POPLU plug	March 2015	Clay conference Bryssel	Scientific community (Research)	500	EU
29	Newsletter (electronic)	Posiva WP7	DOPAS project status and achievements 4	31.8.2015	D7.4 Newsletters in pdf-format on the IGD-TP/DOPAS website	Civil Society and scientific community		EU
30	Newsletter (electronic)	Posiva WP7	DOPAS project status and achievements 5	31.5.2016	D7.4 Newsletters in pdf-format on the IGD-TP/DOPAS website	Civil Society and scientific community		EU

Appendix 1. Dissemination Activities Table for DOPAS consortium (This is tentative and will be updated yearly)

No	Type of activities	Main leader, Partner name	Title, Name of venue (and *) for agenda)	Planned Date	Place (place, organisation, country code) or publication	Type of audience (and/or number of participants or target group)	Size of audience	Countries addressed
31	Newsletter (electronic)	Posiva WP7	DOPAS project satus and achievements 6	31.8.2016	D7.4 Newsletters in pdf-format on the IGD-TP/DOPAS website	Civil Society and scientific community		EU
32	Other	Posiva WP7	DOPAS achievements and experiences	Summer 2015	D7.6 Journalist edited 2-page summary documents of project's scientific and technical achievement	Scientific Community (higher education, Research), WMO etc stakeholders		EU
33	Conference	UJV	EPSP laboratory and modelling work	2015	To be determined later	scientific community (Research)	200	EU
34	Other	Posiva WP7	To be determined later	Summer 2016	D7.6 Journalist edited 2-page summary documents of project's scientific and technical achievement	Scientific Community (higher education, Research), WMO etc stakeholders		EU
35	Workshop on seals and plugs	Andra -WP3	To be determined later	To be determined later	To be determined later	Scientific Community (higher education, Research)	200+	EU
36	Confernece	Andra -WP3	To be determined later	To be determined later	Session on seals and plugs within an international conference organized jointly with IGD-TP	Scientific Community (higher education, Research) & industry	500+	EU
37	Publication	DBETEC	To be determined later		Journal: Computers and Geotechnics (Elsevier)	scientific community (Research)	>2000	EU

**Appendix 1. Dissemination Activities Table for DOPAS consortium (This is tentative and will be updated yearly)**

No	Type of activities	Main leader, Partner name	Title, Name of venue (and *) for agenda)	Planned Date	Place (place, organisation, country code) or publication	Type of audience (and/or number of participants or target group)	Size of audience	Countries addressed
38	Conference	DBETEC	To be determined later		Not yet specified	scientific community (Research)	~300-500	EU
39	Conference	SKB	DOMPLU	TBD	Not yet specified	scientific community (Research)	200	EU
40	Workshop	SKB	DOMPLU	TBD	Not yet specified	scientific community (Research)	100	EU
41	Conference	UJV	EPSP laboratory and modelling work	2016	Not yet specified	scientific community (Research)	300	EU
42	Seminar	Several	Experiences and lessons learned	2015-2016	IGD-TP Seminar	Industry and scientific community	200-300	EU

**Type of activities:**

publications	media briefings
conference	presentations
workshops	exhibitions
web sites/Applications	thesis
press releases	interviews
flyers	films
articles published in popular	TV clips
videos	poster

**Type of audiences:**

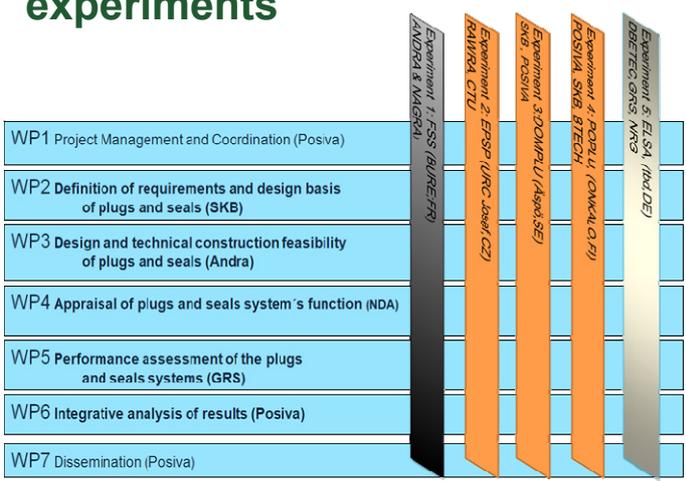
Scientific Community  
( including research and higher education)  
Industry  
Civil Society  
Policy makers  
Medias

**Use ISO-codes for countries**

CZ  
CH  
DE  
FI  
FR  
GB  
NL  
SE  
EU target within Europe but also worldwide



## DOPAS- work packages and experiments





## IGD-TP Projectplace Extranet structure

IGD-TP participant access folder for dissemination

- Events and Announcements

Document folders restricted to DOPAS consortium members under **IGD-TP Projects and Working groups:**

DOPAS Documentation

- DOPAS Proposal Phase
- DOPAS JA TSWG
- DOPAS Project Implementation (Active)

### Events and Announcements (Projectplace Extranet)

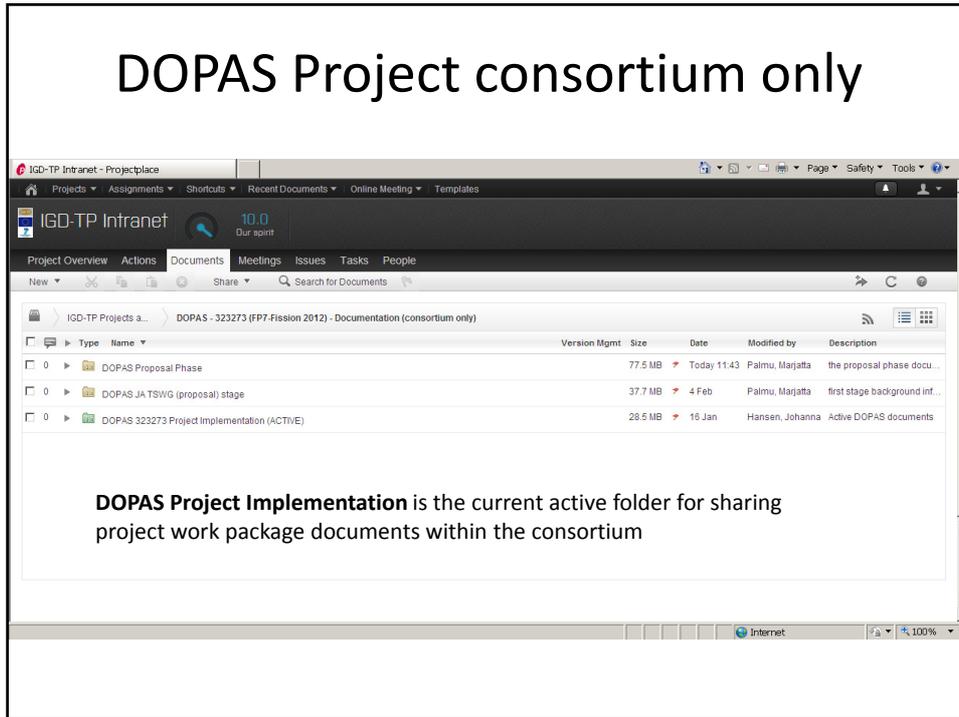
Events and Announcements

Type	Name	Version Mgmt	Size	Date	Modified by	Description
Folder	Announcement of potential interest to the IGD-TP participants		962 KB	15 Nov 2012	Palmu, Margatta	This folder includes ann...
Folder	EC CFS Workshop on Energy Challenge Brussels 23 June 2011		4.5 MB	13 Jul 2011	Palmu, Margatta	For your information: IGD...
Folder	SRA Seminar June 15, 2010		2.7 MB	30 Jun 2010	Appelgren, Anders	on 15 June 2010 in Brus...
File	2012 Information Energy Research.pdf	0.1	140 KB	2 Jul 2012	Palmu, Margatta	on 4 July 2012, the day is...
File	Gas gen and migr Symposium 2013.pdf	0.1	321 KB	19 Mar 2012	Palmu, Margatta	Gas Generation and mig...

All public events can be announced in this folder to the IGD-TP participants.

projectplace

## DOPAS Project consortium only



## DOPAS Project Implementation subfolders for each WP

