



DOPAS

Organisation  
POSIVA OY

Document name  
**ABBREVIATIONS**

Written on:  
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Written by:  
Marjatta Palmu

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## **LIST OF MOST COMMON ABBREVIATIONS AND NAMES USED IN THE DOPAS TRAINING WORKSHOP 2015 TRAINING MATERIALS**

### **1 PURPOSE OF THE MATERIAL**

This document contains the most commonly used abbreviations and names in the training materials produced by the training workshop tutors. The abbreviations and names are explained on this document and no more on the presentation slides.

### **2 COMMON ABBREVIATIONS USED**

DGR	Deep geological repository
DOPAS	Full Scale Demonstration of Plugs and Seals (FP7 project running from 2012 to 2016)
EBS	Engineered Barrier System
Euratom	The European Atomic Energy Community
FEP	Features, Events and Processes
FP7	The Seventh Framework Programme (2007-2013) of Euratom
GD	Geological disposal
HLW	High-level Waste (Reprocessed high level radioactive waste)
ILW	Intermediate Level Waste
KBS-3	Kärnbränslesäkerhet - 3, disposal concept developed by SKB (Sweden)
LLW	Low-level Waste
NWM	Nuclear Waste Management
NPP	Nuclear Power Plant
R&D	Research and Development
RD&D	Research, Development and Demonstration





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RWM	Radioactive Waste Management
SF (or SNF)	Spent nuclear fuel (also called used fuel (US))
URL	Underground Research Laboratory
WMO	Waste Management Organisation

### 3 UNDERGROUND FACILITIES REFERRED TO

**BURE:** Underground Research Laboratory located in France in callovo-oxfordian clay (argillite) formation

**Josef URC and Underground laboratory:** Underground Research Centre located at the Josef exploratory gallery in Czech Republic located in crystalline rock.

**Äspö HRL:** Äspö Hard Rock Laboratory, a underground research facility located in Oskarshamn, Sweden in granite (crystalline host rock).

**ONKALO (URCF):** An Underground Rock Characterisation Facility, located in Olkiluoto, Finland at the site of the future disposal facility for spent nuclear fuel. The facility is located in mica gneiss and pegmatite host rock environment (crystalline host rock).

**Gorleben:** Salt dome in Northern Germany that has been investigated for its suitability for disposal of high-level nuclear waste for 40 years from surface and from underground by an exploration mine.

### 4 DOPAS FULL SCALE EXPERIMENTS

The numbering refers to the experiment numbers in the DOPAS project plan.

1. FSS Full-scale Seal constructed in a test hall in St. Dizier in France
2. EPSP Experimental Pressure and Sealing Plug, plug experiment in the Josef Underground Laboratory in Czech Republic
3. DOMPLU Dome-shaped plug experiment in Äspö HRL in Sweden.
4. POPLU Posiva Plug, a wedge-shaped plug experiment in ONKALO, Finland (on the future disposal site)





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5. ELSA      Entwicklung von Schachtverschlusskonzepten (Development of shaft closure concepts) in Germany

## 5 ORGANISATIONS OF DOPAS TRAINING WORKSHOP PLANNING GROUP AND PROVIDING TUTORS AND SOME OTHER MAJOR ORGANISATIONS

ANDRA	French nuclear waste management company ( <a href="http://www.andra.fr">www.andra.fr</a> )
BMWi	Bundesministerium für Wirtschaft und Energie ( <a href="http://www.bmwi.de/">http://www.bmwi.de/</a> ) in charge of German RD&D funding and contracting.
CTU	Czech Technical University in Prague, Centre of Experimental Geotechnics, ( <a href="http://www.cvut.cz/">http://www.cvut.cz/</a> )
GRS	Gesellschaft für Anlagen- und Reaktorsicherheit (GRS) GmbH ( <a href="http://www.grs.de">www.grs.de</a> )
IAEA	International Atomic Energy Agency ( <a href="http://www.iaea.org">www.iaea.org</a> )
IGD-TP	Implementing Geological Disposal of Radioactive Waste - Technology Platform ( <a href="http://www.igdtp.eu">www.igdtp.eu</a> )
NAGRA	Swiss nuclear waste management company ( <a href="http://www.nagra.ch">www.nagra.ch</a> )
NDA	Nuclear Decommissioning Agency, United Kingdom ( <a href="http://www.nda.gov.uk/">http://www.nda.gov.uk/</a> )
Posiva Oy (POSIVA)	A Finnish waste management company in charge of disposal of spent fuel of its owners ( <a href="http://www.posiva.fi/en">www.posiva.fi/en</a> )
RWM	Radioactive Waste Management Limited, a subsidiary of NDA, UK ( <a href="http://www.nda.gov.uk/rwm/">http://www.nda.gov.uk/rwm/</a> )
SKB	Swedish nuclear waste management company ( <a href="http://www.skb.se">www.skb.se</a> )
SURAO	Radioactive waste repository authority, Czech Republic ( <a href="http://www.surao.cz">www.surao.cz</a> )
ÚJV	ÚJV Řež ( <a href="http://www.ujv.cz/en/">http://www.ujv.cz/en/</a> )

