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CEBAMA

➤ (Contract Number: 662147)

Deliverable n°D5.01.v1

Report/Documentation of exchange of data between experimental and modelling WPs (with updating)

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Date of issue of this report: 31 July 2016

Report number of pages: 5

Start date of project: 01/06/2015 Duration: 48 Months

Project co-funded by the European Commission under the Euratom Research and Training Programme on Nuclear Energy within the Horizon 2020 Framework Programme		
Dissemination Level		
PU	Public	x
PP	Restricted to other programme participants (including the Commission Services)	
RE	Restricted to a group specified by the partners of the CEBAMA project	
CO	Confidential, only for partners of the CEBAMA project	

ABSTRACT:

This Deliverable D5.01 reports and documents the exchange of data between experimental and modelling Workpackages within Cebama. The Deliverable will be regularly updated over the 4 year duration of Cebama. The update deliverables will be forwarded to the Commission and made available on the Cebama intranet.

RESPONSIBLE:

KIT-INE (Marcus Altmaier, Vanessa Montoya)

MAIN TEXT:

The Cebama project is developed around three R&D Workpackages, namely

WP1: Experiments on interface processes and the impact on physical Properties (WP leader: E. Holt / F. Claret / U. Mäder)

(Experimental studies are performed to understand the interface processes between cement-based materials and the host rocks (crystalline rock, Boom Clay, Opalinus Clay (OPA), Callovo-Oxfordian (COX)) or bentonite backfill and the impact on physical (transport) properties is assessed).

WP2: Radionuclide retention (WP leader: B. Grambow)

Radionuclide retention processes are studied in high pH concrete environments. Radionuclides which have high priority from the scientific and applied perspective are selected. (Be, C, Cl, Ca, Se, Mo, I, Ra).

WP3: Interpretation and modelling (WP leader: A. Idiart)

(The validity of numerical models to predict changes in transport processes as a result of chemical degradation is analyzed and improved. Advanced data interpretation and process modelling, covering mainly issues responsible for the changes in transport properties, is supported).

WP1 and WP2 are focusing on new experimental studies, whereas WP3 is focused on interpretation and modelling. As obviously WP3 needs information inflow and strong communication with the two experimental WPs, a number of tools are used in Cebama to ensure proper exchange of information and data between the WPs.

The WP leader and CT exchange on the topics related to D5.01 regularly within the ExCom meetings. This is done at least on an annual basis, with one meeting at the Annual Workshops mandatory with additional exchange organised as required. This ensures that information from the WPs is communicated to other WPs and CT. The internal discussion within a WP on this topic is likewise ongoing throughout the project and at least one formal meeting at the Annual Workshop organised.

As another key element, Deliverables are defined which are open to all project beneficiaries so that this information is made available on a formal basis. Within the assessment of critical risks, performed annually at GA meetings in connection to the Annual Project Workshops, aspects relevant to D5.01 are likewise considered.

At the Annual Project Workshops, set up as cluster meetings integrating several dissemination and information exchange functions, the generated data and modelling studies are presented and discussed, including meetings on WP level and on plenary level. This enhances flow of information and exchange between all project partners.

The project website (www.cebama.eu) was also established in order to disseminate information on Cebama to all interested parties, with the protected intranet portal offering the technical platform of the project to internally disseminate documents in a structured and transparent manner. The intranet provides specific file sharing areas to facilitate data and information exchange. Thus the data generated within WP1 and WP2 can be shared with the WP3 via the intranet, in addition to exchange via email. An updated email distribution list, maintained by Amphos21, is available.

In the following, the approach for information and data exchange over the first 18 months of Cebama (note that the experimental WPs started after PM6), is further documented.

- Cebama Kick-off meeting, 1st + 2nd July 2015, Brussels, Belgium. Participation was limited and only a limited number of persons involved in the technical work were able to participate. Discussions were held within ExCom and with EUG in order to ensure proper communication and cooperation within the project. Technical presentations were given by WG leaders to highlight and explain the workplan. As Risk No 6 (partners working independently and not cooperating), clearly related to the content of the present Deliverable D5.01, was identified as being relevant within the GA, a separate dedicated meeting including key technical staff was decided to be held in November 2015. All relevant information from the Cebama Kick-off meeting was made available as formal minutes and distributed at the project website.
- Two technical meetings were organized in London on 2nd November 2015 and 5th November 2015 for WP1+WP3 and WP2 respectively. These meetings, arising from the risk assessment carried out at Kick-off, were specifically set up to enhance communication and cooperation between partners. Especially the meeting on 2nd November, which was combining WP1 and WP3, were specifically addressing issues of data transfer and consistency between measured data and modeling requirements. The meetings were mainly organized by the WP leaders with minutes and presentations being shared at the project website.
- The Cebama First Annual Project Workshop (1AWS) was held on 11th – 13th of May, 2016, in Barcelona, Spain. The Workshop was organized as a cluster meeting. The topic of the present Deliverable D5.01 was addressed on several levels. All relevant information to this point from the Cebama 1AWS was made available as formal minutes. A very comprehensive summary of the technical work performed in WP1, WP2 and WP3 based on presentations given is available at the project website (intranet).
 - Both ExCom and EUG addressed the issue of cooperation and information exchange within the project.
 - Individual WP Sessions were organized on 11th May. These meetings were also intended to foster discussion within the individual WPs in order to identify any need for improved information exchange.
 - The discussions from the Individual WP Sessions were then taken to the following session with all partners and WP participating, on “Interaction with WP3”. This was defined in order to ensure a general discussion on WP3 requirements and the approach for information exchange.
 - Technical presentations at plenary level were held for each workpackage, including a WP leader summary. This was intended to give a detailed overview to all project partners on which work and data collection are ongoing within the experimental workpackages (WP1, WP2) and the modeling tasks (WP3).
 - Risk assessment in GA was performed and did not identify any risks pertaining to the content of the Deliverable D5.01.
 - Detailed presentation of the technical information given during 1AWS is summarized in the Workshop proceedings and can be used as point of reference

regarding data generation and modeling requirements. These are available to all (via D4.08) and peer-reviewed by EUG. The proceedings include a summary written by the respective WP leader informing on technical work performed, several technical papers by individual project partners detailing R&D progress and data / modeling approaches generated, and the poster presentations.