

D7.3



Beacon Plan for the Exploitation and Dissemination of Results

DELIVERABLE D7.3
Dissemination type: Other

Editor: Mary Westermark, SKB

Reporting period: 01/06/2017 – 30/11/2018

Date of issue: **19/02/2018**

Start date of project: **01/06/2017**

Duration: 48 Months

This project receives funding from the Euratom research and training programme 2014-2018 under grant agreement No 745 942		
Dissemination Level		
PU	Public	X



REVIEW

Name	Internal/Project/External	Comments
Patrik Sellin	Project internal	Approved
Distributed to all partners before submission in accordance with Beacon Consortium Agreement, section 4.2 - “All deliverables identified in Annex 1 of the Grant Agreement must be distributed to the Parties according to the Beacon Quality management Plan and prior to submission to the Funding Authority providing each Party an opportunity to approve those elements of the reports containing their input.”	Project internal	

DISTRIBUTION LIST

Name	Number of copies	Comments
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Beacon partners		

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Introduction

The Beacon project is to a very large extent financed by Horizon2020 public funding and it is important that its results are exploited and disseminated to maximize its benefits to the society. The main aim though of the project is to contribute to the development of solutions for the management of ultimate radioactive waste, and focus on supporting the implementation of the first-of-the-kind geological repositories so the key users to benefit from the project outcome are the implementers, primarily the Waste Management Organisations and regulators of Europe. Therefore, as pointed out in the Description of the Action (DoA) the 8 main European radioactive waste management programmes are partners in the project, as well as a less advanced programme, regulators are involved in the Expert Advisory and Review Board and a whole work package is devoted to interaction with civil society. For the project work and results to reach further, a wide range of activities and tools are planned, or already in place.

The preliminary PEDR that was a part of the DoA, Annex 1, part A, is attached to this document (attachment 1)

Dissemination of Beacon results

Web presence

The first very simple Beacon website was prepared and launched already during the grant agreement preparations, informing about the planned project under preparation, and about the Initial Workshop that would take place if the project was launched. It has since then been updated and slightly developed.

A new website is under preparation and will be launched before M11. Here the results of the project and news about project related events will be published, links to publications made available and it will be possible to follow the project work.

www.beacon-h2020.eu

(The project-internal web-based platform/shared space mentioned in the preliminary PEDR is regarded to be a part of the project-internal communication and thus described in the D8.2 Communication plan)

Publication of peer reviewed articles

According to the Beacon DoA all partners will have responsibility to disseminate outputs from their own work via peer-reviewed scientific publications. It is anticipated that each beneficiary will produce at least one journal publication during the project.

In the Beacon deliverable **D7.4 Publication Plan** the submitted and planned publications from the project are listed. The list should be seen as a plan and ambition at the current stage of the project. The final publications will, to some extent, be dependent on the results obtained and may therefore differ from the plan. It is however very likely that the number of publication in scientific journals based on the work performed in Beacon will exceed 30. This means that the project will have a significant impact on the understanding the mechanical evolution of bentonite barriers.

At least one scientific publication per partner is expected within the project duration (see also above, Journal publications), in journals such as the ones exemplified in Table 1.

Table 1 Examples of journals where the Beacon publications are likely to be published

Engineering Geology, Publisher: Elsevier http://www.journals.elsevier.com/engineering-geology	Impact Factor 2.196 Open Access Support (USD 2500, excluding taxes). https://www.elsevier.com/journals/engineering-geology/0013-7952/open-access-options
Applied Clay Science, Publisher: Elsevier http://www.journals.elsevier.com/applied-clay-science/	Open Access Support (USD 2500, excluding taxes). https://www.elsevier.com/journals/engineering-geology/0013-7952/open-access-options
Clays and Clay Minerals, Publisher: The Clay minerals society. http://ccm.geoscienceworld.org/	http://www.clays.org/OTHER%20CMS%20PUBLIC%20ACTIONS/OPElectronic%20Policy.html
Soil Mechanics and Foundation Engineering, Publisher: Springer http://link.springer.com/journal/11204	Open Access Support (USD 3000, excluding taxes). http://www.springer.com/gp/open-access/springer-open-choice
Acta Geotechnica Publisher: Springer http://www.springer.com/engineering/civil+engineering/journal/11440	Impact Factor 2.426 Open Access Support (USD 3000, excluding taxes). http://www.springer.com/gp/open-access/springer-open-choice

The publications in the Beacon project will be open access, gold or green open access and/or self-archived.

Open Repository

An SKB based Open Repository is under construction. It will be launched during 2018 and will harbour the open access articles of the Beacon project.
Upon opportunity articles may be published in popular scientific journals.

Training Course

The planned Beacon Training Course was implemented 17-19 January 2018 in Barcelona, and it was very appreciated. The course was expanded from 20 to 37 participants, and some more were on a waiting list. The core group for the Joint Programme proposal have proposed to, if their proposal is granted, repeat the course once more sometime during the programme period. Material from the Beacon training Course is available on the Beacon Projectplace <https://service.projectplace.com/pp/pp.cgi/r1420731450>

Reports

39 report deliverables are envisaged in Beacon. They will all be public, and published via the Participant Portal and the Beacon website www.beacon-h2020.eu.

Conference presentations of Beacon and its results

Planned presentations at conferences, oral or poster, of Beacon and its results during the project:

Beacon project partners are encouraged to participate and present project results at Euratom meetings and other conferences. Participation and presentation of Beacon is planned e.g. at:

- The 55th Annual Meeting of the Clay Minerals Society June 11-14, 2018
- Complas 2019 Barcelona
- ComGeo 2019 or 2020
- Alert Geomaterials annual workshop in Aussois, F.
- Clay Conference in 2020
- E-Unsat 2020

Project meetings and workshops

Beacons Kick off and Initial workshop took place 19-20 June 2017 in Kaunas Lithuania.

Minutes, presentations and proceedings are submitted as deliverables D8.3 Minutes from Kick off meeting, D2.1 Initial workshop and D8.12 proceedings from Initial workshop.

The planned initial year work package meetings in WP2, WP3 and WP5, and WP4 have taken place as planned. Documentation can be found, for project members and associated, at the Beacon Projectplace <https://service.projectplace.com/pp/pp.cgi/r1684071084>

The Initial Workshop was open to the scientific community and to the public. The invitation was sent out to 1500 contacts and organisations in Europe and all over the world, informing about the Beacon project. The workshop gathered 70 participants.

Foreseen general project meetings and workshops are

- 1st Annual meeting, Milos, Greece, 29-31 May, 2018 (includes a visit to IMERY's bentonite plant/mine on Milos).
- 2nd Annual meeting, Prague, Czech Republic, M24, 21-22 May 2019
- 3rd Annual meeting, Liege, Belgium, M36, 13-14 May 2020

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- 4th Annual meeting/Final Workshop, ≈M46, March/April 2021, location tbd.

Meetings will as far as possible be located to partners premises both with efficiency, social and economic aspects in mind. All the annual meetings are open to the scientific community and to the public but to annual meetings 2 and 3 the invitation will only be distributed to the Beacon Partners and associated organisations and persons. For the Beacon 4th Annual meeting and End conference the invitation will again be distributed to some 1500 contacts and organisations in Europe and all over the world, informing about the Beacon project.

Regarding planned WP-meetings, see Grant Agreement, Annex 1, Part A, Work package descriptions

Excursions Visits

In conjunction with project meetings and workshops some visits/excursions are envisaged. Mentioned above is the visit to the IMERYs bentonite plant on Milos, Greece during the 1st Annual meeting. A visit to the Josef galleries in Prague can hopefully be done in conjunction with the 2nd Annual meeting.

Programme relations and meetings (IGD TP)

Every six months a status report for the Beacon project is sent to the Secretariat of the Implementing Geological Disposal Technology Platform (IGD-TP) <http://igdtp.eu/> and the scientific coordinator of the Beacon project is generally invited to their yearly meetings to present the project and its progress.

Other

The Beacon project and its coordinator were invited by the Swedish National Contact Point Vinnova to participate at an event aimed at presenting H2020 and encouraging proposals. The invitation regarded having a booth at an information conference, to present the project and also to describe the task of being a coordinator. The event took place in September 2017 and was attended by some 300 people from the Swedish scientific community.

Exploitation of Beacon results

As mentioned earlier the key stakeholders to benefit from the project outcome are the implementers of geological repositories, primarily the Waste Management Organisations and regulators of Europe. Therefore, as pointed out in the Description of the Action (DoA) the 8 main European radioactive waste management programmes are partners in the project, as well as a less advanced programme. Several regulators are involved in the Expert Advisory and Review Board and a whole work package is devoted to interaction with civil society.

Information about the project work and results, as well as invitations to major project events, are distributed to waste management organisations all over the world to facilitate taking part of and exploiting project results.

Intellectual property

The handling of envisaged potential intellectual property issues are handled in the Beacon Consortium Agreement. For associated organisations and persons (e.g. the Expert Advisory and Review Board and the Associated Group) non-disclosure agreements are made.

Dissemination Channel	Audience	Aim	Message/Content	Timing	Coordination	Evaluation
Website	Sci, Stu, Lay Pub	Aw, Pr, In, En	Key questions, tools, deliverables, reports	Regular updates	SKB	Usage logs
Newsletter	Sci, Stu, Lay Pub	Pr, In	Accomplishments, reviews, announcements	Regularly	SKB	Opening logs
Internal web-based platform	Beacon	In, En	Data, draft reports, tools	Continuously	SKB	Usage logs
Workshops	Beacon, EARB, LAP, Stu, Sci	In, En	Data and results, tools	Yearly	SKB	Query
Project meetings (Beacon)	Beacon, EARB	In, En	Data and results, tools	Regularly (incl. telecon)	SKB, Ex Bo	Query
Programme meetings (IGD-TP)	Sci, Implem	Aw, Pr, In, En	Data and results, tools	Yearly (IGD-TP EF or conference)	SKB (via IGD-TP)	Scientific Output
Conference presentations (poster)	Sci, Stu	En, Pr, In	Key questions, tools, progress	Regularly	SKB, Ex Bo	Instant feedback
Conference presentations (oral)	Sci, Stu	En, Pr	Data and results, novel tools	Regularly, more towards Y3 and Y4	SKB, Ex Bo	Instant feedback
Training course (ET)	Stu, Sci Com, LAP	In, En, Pr, Aw, IF	Key questions, methods, tools	One occasion, Beginning of the project	UPC, SKB Ex Bo	Query
Excursions/visits	Beacon, LAP, Stu, Sci	En, Pr	In situ infrastructure and operational set-up	Yearly, coupled to annual meetings, workshops and ET	SKB	Instant feedback
Journal articles (peer reviewed, OA)	Sci, Stu, LAP	In	Data, results, novel tools	Continuously, more towards Y3 and Y4	SKB, Ex Bo	IF, citations
Popular scientific articles	Sci, Stu, Lay Pub	Aw, Pr, In	Key questions and accomplishments	Upon opportunity	SKB, Ex Bo	IF, citations
Reports (available on website)	Implem, Sci	In	Data, results, tools, guidelines	Regularly, coupled to deliverables	SKB, Ex Bo	IF, citations

Figure 7 First version of the Plan for the Exploitation and Dissemination of Results (PEDR), as a basis for the project PEDR to be delivered within 6 months after the start of the project (Work Package 7, Deliverable D7.1)

OA Open Access; **ET** Education and Training; **Aw** Raise Awareness; **Pr** Promote; **In** Inform; **En** Engage
Sci Science Community; **LAP** Less Advanced Programs; **Lay Pub** Lay Public; **Beacon** Beacon Project Consortium; **EARB** Expert Advisory and Review Board;
Impl Implementers; **Stu** Students; **Ex Bo** Executive Board; **IF** Impact factor