



DisCo Project Newsletter No.3, June 2019

Latest news

DisCo 2nd Annual Meeting

The second annual meeting was held in Cologne, Germany, 27-29 May 2019. A big thanks to Dirk Bosbach and his team at FZ Juelich for arranging this. We had an excellent time and the meeting allowed ample time for discussion. See the short report from the meeting on next page.

Upcoming training events at JRC

At the meeting, the two types of training opportunities at JRC were discussed. First, the individual visits for 2019 are both planned for the autumn 2019. Secondly, in 2020, there will be both individual visits (the call is soon open, see web page, www.disco-h2020.eu) and a group training event in conjunction with the 3rd Annual Meeting.

DisCo at international fora

The project was presented by Lara Duro (Amphos 21) at the 8th IGD-TP Exchange Forum in Berlin. In the beginning of June, Lena presented an overview of DisCo results at the Euradwaste'19 conference in Pitesti (Romania), along with posters from Amphos 21 and FZ Juelich & SCK • CEN.

General progress

We are half the way there! In our second year we have reached several important milestones. The first periodic report, which covers the first 18 months of the project, was approved by the EC in the spring. Most of the dissolution experiments have started, and we have collected preliminary data. The modellers have the first versions of their models, and are in the progress of developing these to incorporate further complexities. There are delays in some experimental areas, but in any case, we expect by this time next year, project data will have been delivered to the modellers to start working with. We also have interesting results from the characterisation of the failed fuel recovered from the NNL storage ponds. Finally, there are also good news regarding the involvement of the Associate Group in training events at JRC and mobility grants to attend the annual meetings. All in all, a good year!

Want to know more? www.disco-h2020.eu

Twitter: search #discoh2020.

Or email: disco@skb.se



LinkedIn Group: DisCo-H2020

SHORT REPORT from the DisCo 2nd Annual Meeting

DisCo in Cologne

The second DisCo Annual Meeting took place in Cologne, Germany, 27-29 May 2019. It was very well organised by Prof. Dirk Bosbach and his team at FZ Juelich, in close cooperation with Alba Valls, Amphos 21.

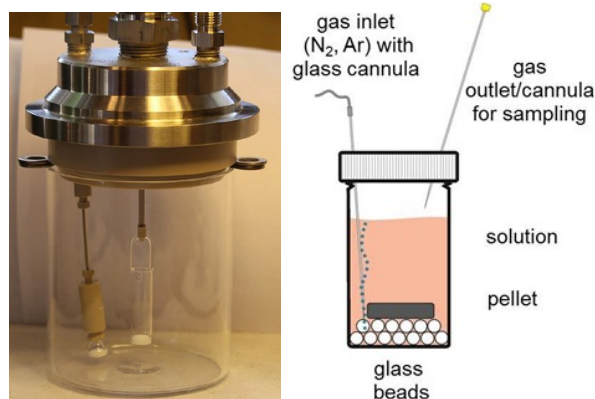
The conference dinner was enjoyed at the Museum Ludwig, which houses an important collection of modern art. It is located right next to the beautiful Cologne cathedral.

Presentations

There were 49 attendees, representing beneficiaries, the End-User-Group and Associate Group. All partner organisations had oral presentations describing progress during the 2nd year. This year, parallel sessions were organised for WP 3, 4, and 5, where technical issues and progress were discussed. The issues concerning WP2 (sample preparation and characterisation) were taken up in WP3 and WP4. The work is well underway, with dissolution experiments started on well characterised samples. We are expecting alpha-doped samples to be produced later this year, which is later than



Attendees of the 2nd Annual DisCo Meeting in Cologne.



A) Inside of autoclave for spent fuel leaching (Studsvik)

B) Reactor for dissolution of doped UO₂ (Juelich)

originally foreseen. Some delays in WP3 (spent fuel experiments) are due to issues concerning hot cells and/or autoclaves. However, preliminary data were presented at the meeting, showing progress. The initial models have been further developed and in some cases validated using already existing data. Further work involves enhancing the complexities to model more realistic systems.

Training and mobility measures

The 2nd Webinar was given by Brady Hanson (PNNL, USA) who discussed various factors affecting the dissolution of spent nuclear fuel. It was attended by meeting participants and 19 people on-line. The webinar was recorded and can be accessed via the project web page. Soon, the call will be out for three training opportunities at JRC for 2020: two individual visits to JRC Karlsruhe, and one group training event (max 10 people) at JRC Karlsruhe in connection with the 3rd Annual Meeting.

Proceedings AM2 & next meeting

The proceedings from the 2nd Annual Meeting will be available in September.

The next meeting will be held in Karlsruhe in late April or early May 2020. It will be announced on the project web page.