

MOBILITY MISSION REPORT

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MISSION TITLE

**EURAD travel grant to attend the EURAD final annual event
April 23rd - 25th, Bucharest (Romania)**

DESCRIPTION

Concerned organisations

Research entities

Themes and topics

**WP7 HITEC Theme 3: Engineered barrier system (EBS)
properties, function and long-term performance**

- **EBS system understanding**

Keywords

HLW repository, EBS, buffer, bentonite, THM

EXECUTIVE SUMMARY

During the conference, I gained new networking opportunities by interacting with representatives from different countries and making valuable connections that could lead to future collaboration opportunities. Finally, the scientific sessions and interaction with participants will, I think, help me develop important communication skills and my competitiveness in nuclear research. However, I received a good idea of the EURAD project's current status. Some of these presentations focused on issues of particular interest, as they will likely play an important role in future WP of the EURAD-2 project.

MISSION BACKGROUND

1.1. R&D background

The spotlight of the conference was on cutting-edge science - on technical achievements within the EURAD project:

The WP CORI result reported Dr Xavier Gaona (KIT) - Impact on Ion Exchange Resin degradation products on radionuclide retention in cementitious environments;

Dr Michael Pitz (BGR) reported - A numerical story from WP GAS: From Benchmarking to Model Validation and Large-Scale Application;

Natalia Jakus (EPFL): Investigating the viability of microbes in bentonite and its consequences for canister performance;

Dr Nadia Curie Dempowo (IRSN) reported the result of a Chemo-mechanical modelling approach to the carbonation of cementitious materials in the framework of the WP MAGIC.

1.2. Mission objectives

The main objective of the mobility is participation in the conference. The conference will be focused on summarising the results of implementing work packages within the Eurad program and bringing together researchers who will participate in the Eurad-2 program.

1.3. Mission composition

Host organisation

I applied for a EURAD travel grant to attend the EURAD final annual event on April 23rd - 25th in Bucharest (Romania). The main objective of the mobility is the participation of the conference. The conference will be focused on summarising the results of the implementation of work packages within the Eurad program. Additionally, the conference will put together researchers who will participate in the Eurad-2 program.

The reason for my participation in this conference is twofold:

1. I wanted to communicate with colleagues for further projects.
2. Additionally, the conference will provide an opportunity to learn from some common challenges Eurad faces.

Host facility

ANDRA

Mission dates

April 23rd - 25th 2024, Bucharest (Romania)

Usage

The participation in this conference was twofold result:

1. I can communicate with colleagues for further projects.
2. Additionally, the conference provided an opportunity to learn some common challenges Eurad faces.

Benefits

Not yet info

Limitations

Not yet info

Applicability

We just received confirmation from the European Commission that our EURAD-2 proposal has successfully reached the stage of Grant Agreement preparation.

3. MISSION FINDINGS AND CONCLUSIONS

The final EURAD event took place in Bucharest from 23 to 25 April. Thanks to grant financial support, I was physically present at the event. The conference was well organised and met my expectations, providing good networking opportunities. Thanks to all the organisers who prepared the event and everyone who made presentations on the project and prepared posters. The conference's content helped me broaden my perspective on RWM issues within the project.

On April 23, the events were dedicated to strategic and student sessions regarding RWM.

On April 24, the conference presented cutting-edge scientific



results from projects focused on specific technical advances and key findings within EURAD. I liked the poster session, as the reports presented focused on studying more specific problems.

EURAD-2, part of the EURATOM program, will start in October, and I met with colleagues who will continue to participate in the project.

I also filled out the feedback form for the "EURAD Annual Final Event".

MISSION BENEFICIARY

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 National Academy of Sciences of Ukraine

REPORT APPROVAL

Date	Beneficiary	Home mentor/supervisor	Host mentor/supervisor
21/05 2024	Borys Zlobenko Senior Researcher	Director SI IEG NAS OF Ukraine Prof. Zabulonov Yu.L.	Name
			



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