

MOBILITY MISSION REPORT

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KLIKNETE NEBO KLEPNETE SEM A ZADEVTE TEXT.

MISSION TITLE

Attendance as lecturer to the FINAL EURAD GAS-HITEC WORKSHOP and EURAD FINAL EVENT

DESCRIPTION

Concerned organisations

Organizations involved in EURAD

- Waste management organisations
- Research entities
- Universities
- Industry
- Civil Society
- European Commission

Concerned infrastructures or facilities

Other relevant infrastructure or facility to be specified

Concerned phases



Themes and topics

- Theme 3: Engineered barrier system (EBS) properties, function and long-term performance
 - Spent Fuel and high-level waste disposal canisters
 - Containers for long-lived intermediate and low level wastes
 - Clay-based backfills, plugs and seals
 - Cementitious-based backfills, plugs and seals
 - Salt backfills
 - EBS system understanding
- Theme 4: Geoscience to understand rock properties, radionuclide transport and long-term geological evolution
 - Long-term stability (uplift, erosion and tectonics)
 - Perturbations (gas, temperature and chemistry)
 - Aqueous pathways and radionuclide migration

Keywords

Energy; Nuclear waste; Host rocks; Gas transport; Self-sealing; Safety assessment

EXECUTIVE SUMMARY

Attendance at EURAD FINAL EVENT has allowed me to learn about the knowledge achieved during EURAD project. Additionally, at the Final EURAD GAS-HITEC Workshop I could present some of the work developed during EURAD project within the WP6 GAS. It also permitted me to meet other researchers and extend my network.

1. MISSION BACKGROUND

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1.1. R&D background

The proposed mobility action implied the travel from Barcelona (Spain) to Bucharest (Romania), the accommodation, and the daily allowance to participate as an attendee to the Final EURAD Event that took place from the 23rd to the 26th of April, and as a lecturer at the Final EURAD GAS_HITEC Workshop that took place on the 26th of 2024. During the latter I lectured a presentation entitled “Key results in Gas Advection” summarising the work performed on WP GAS

1.2. Mission objectives

The mission was to present to the audience the results developed during the WP GAS of EURAD as well as acquire new knowledge from the lectures of other colleagues.

1.3. Mission request

These results presented at the event, which were developed during the EURAD project, provided further insight into the gas transport and self-sealing capacity to the audience in the field of radioactive waste management and other energy-related disciplines.

1.4. Mission composition

Host organisation

EURAD

Host facility

Pullman Hotel, Bucharest, Romania.

Mission dates

23 – 26 April 2024

2. MAJOR PRACTICES, TECHNIQUES, METHODS, TOOLS OR SYSTEMS OPERATED OR STUDIED

Describe up to four of the most important practices, methods or tools you operated or studied during the mission, as applicable. This entire section shall be maximum two pages (remove this entire sentence).

2.1. Practice, technique, method, tool or system operated or studied during the mission

Not applicable

Description

Not applicable.

Usage

Not applicable

Benefits

Not applicable.

Limitations

Not applicable

Applicability

Not applicable

2.2. Practice, technique, method, tool or system operated or studied during the mission

Not applicable

Description

Not applicable

Usage

Not applicable

Benefits

Not applicable.

Limitations

Not applicable.

Applicability

Not applicable

2.3. Practice, technique, method, tool or system operated or studied during the mission

Not applicable.

Description

Not applicable.

Usage

Not applicable.

Benefits

Not applicable.

Limitations

Not applicable.

Applicability

Not applicable.

2.4. Practice, technique, method, tool or system operated or studied during the mission

Not applicable.

Description

Not applicable.

Usage

Not applicable.

Benefits

Not applicable.

Limitations

Not applicable.

Applicability

Not applicable.

3. MISSION FINDINGS AND CONCLUSIONS

Klikněte nebo klepněte sem a zadejte text.

3.1. Lessons learned and conclusions

Not applicable.

3.2. Relevant findings and conclusions for home organisation

Not applicable.

3.3. Relevant findings and conclusions for host organisation

Not applicable.

3.4. Relevant findings and conclusions for other organisations

Not applicable.

4. POTENTIALS FOR IMPROVEMENT OR DEVELOPMENT

Klikněte nebo klepněte sem a zadejte text.

4.1. Generic potentials

Not applicable.

4.2. Potentials for home organisation

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4.3. Potentials for host organisation

Klikněte nebo klepněte sem a zadejte text.

APPENDICES

Mission journal

Tuesday 23/04/2024 – Flight from Barcelona to Bucharest. Attendance to the sessions.

Wednesday 24/04/2024 – Attendance to the sessions

Thursday 25/04/2024 - Attendance to the sessions”.

Friday 26/04/2024 – Attendance to the sessions. Presentation of “Key results in gas advection. Return to Barcelona.

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MISSION BENEFICIARY

Laura GONZALEZ-BLANCO
 Post-doctoral researcher
 Geomechanical Group
 International Centre for Numerical Methods in Engineering (CIMNE), Spain

PARTNER EXPERTS CONTRIBUTING TO THE MISSION

Host organisation experts

- Not applicable

Home organisation experts

- Not applicable

Other organisations experts

- Not applicable

REPORT APPROVAL

Date	Beneficiary	Home mentor/supervisor	Host mentor/supervisor
Date of last signee	Laura Gonzalez-Blanco	Enrique Romero	Not applicable
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