

# OPTIMISATION ROUTES OF DGR CONCEPTS FOR SAFETY AND ROBUSTNESS – SESSION 6



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September 11<sup>th</sup>, 2025

EURAD-2 Annual event n°1 (Bologna)

# AGENDA

- Icebreaker
- Brief overview of each WP
- Short examples of WP activities
- World Cafe
- Summary





# WORLD CAFÉ

- Nine tables discuss a set of questions
- Two questions per table and each question at two tables



## World Café – Repository Optimisation

Table 1 – Dot Voting Sheet

Each participant has 3 dots. Place your dots on the ideas you find most relevant or important. You may put all dots on one idea or spread them across several. Top voted ideas at this table will be shared at the end of the session.

Idea #	Key Idea (to be filled in by facilitator)	Votes (dots/stickers)
1		
2		
3		
4		
5		



## WORLD CAFE

### Table 1 – Overall goals

1. What different goals could optimisation of a deep geological repository pursue, and how might these goals be prioritised?
2. Which factors can drive repository optimisation, and in what ways might their importance evolve over the different stages of a repository program?



### Table 3 – Systems and impacts

1. In which systems, structures or components might optimisation have the most significant impacts, and why?
2. In what ways might optimisation efforts in one area (system, structure or component) influence or interact with others?

### Table 9 – Cost reduction and trade-offs

1. What is the relationship between optimisation and cost reduction, and how should financial aspects be balanced with safety and technical considerations?
2. In what ways might optimisation contribute to enhanced safety, and are there situations where it could raise new challenges or trade-offs?

## WORLD CAFE

- Fruitful discussions produced a lot of material
  - To be screened carefully afterwards
  - To be considered in OPTI deliverables
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- Optimization is an important part of all programs
  - There are some key components
  - **DWP and buffer backfill** were identified as very important but this is no surprise in the session ANCHORS-InCoMand-OPTI





**THANK YOU FOR YOUR ATTENTION!**

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