

PSI Center for Nuclear Engineering
and Sciences

The 16th EMUG Meeting of the European MELCOR and MACCS User Group

**Brno, Czech Republic
7th – 11th April, 2025**

Mateusz MALICKI : Scientist : Paul Scherrer Institute
Brno, 11 April 2025

Who organize in 16th EMUG?



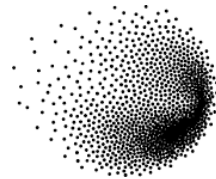
- Brno University of Technology



- TES



- Paul Scherrer Institut

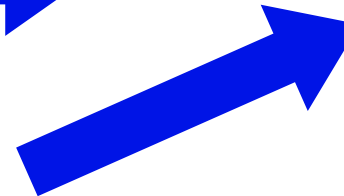
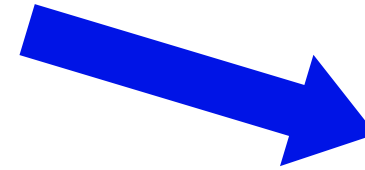


PSI

- U.S. NRC and Sandia National Laboratories



**Sandia
National
Laboratories**



EMUG

THANK YOU



Partners of the EMUG 2025 meeting

The golden partners



The silver partners



The EMUG 2025 conference is held under the auspices of the Ministry of Industry and Trade of The Czech Republic



Who participated in the 16th EMUG?



EMUG



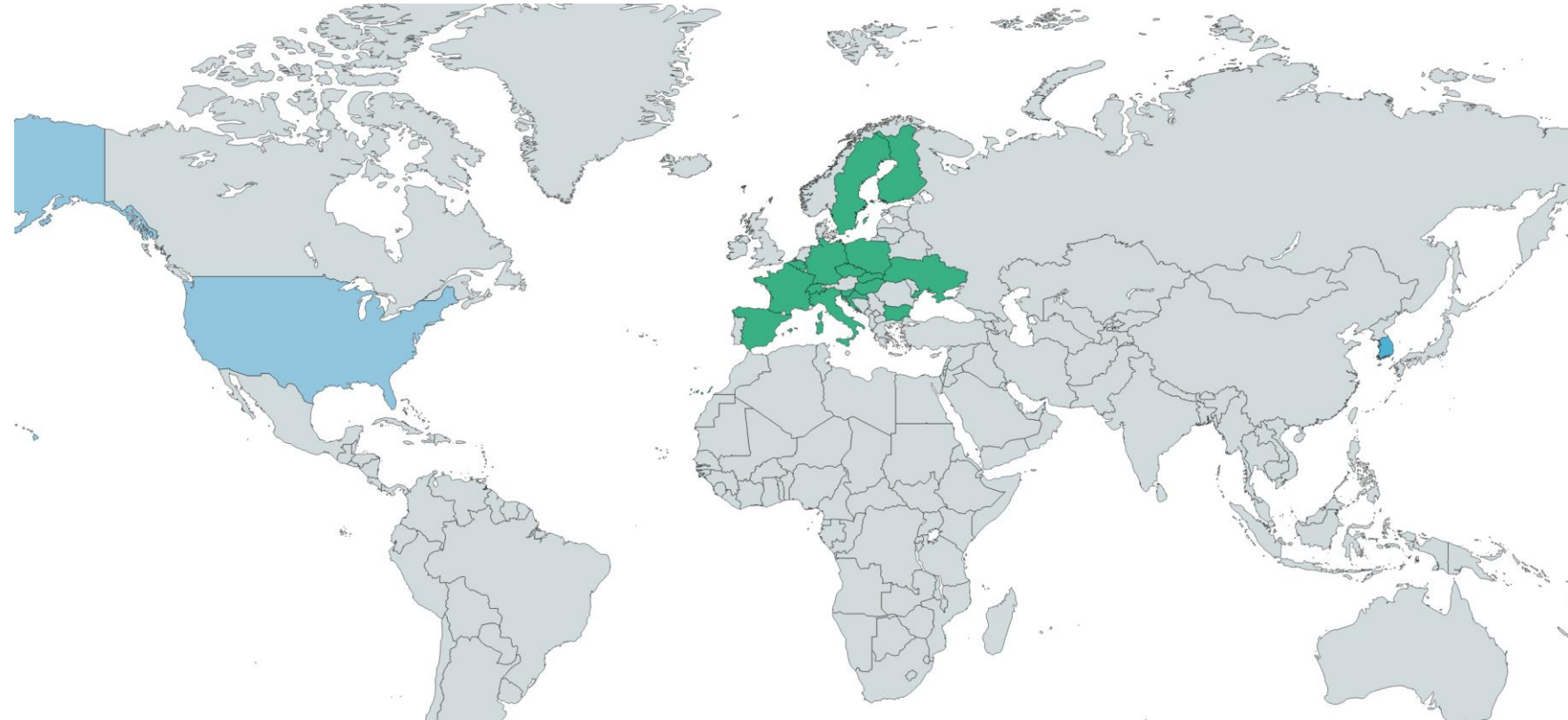
- **Participants** **65**
 - **MELCOR**
 - **In person** **38**
 - **Online** **25**
 - **MACCS** **33**
- **Institutions** **31**
- **Countries** **18**



Who participated in the 16th EMUG?



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 - **Europe** **16**
 - + **USA**
 - + **South Korea**



What we have learnt at 16th EMUG?



EMUG



- **Sessions**
 - **U.S. NRC and SNL Updates**
 - **SNL Workshop**
 - **MACCS**
 - **2 presentations from users**
 - **MACCS overview U.S. NRC + SNL**
 - **SA codes experience** **5 presentaitons**
 - **NPP simulations** **3 presentations**
 - **SMR** **4 presentations**
 - **Fusion** **3 presentations**
 - **Safety Systems** **4 presentations**
- **Total** **~21 h of quality content !!!**
- **Plus** **~6 h of discussions !!!**

Bonus



- Social development ✓
- Networking ✓
- Team building ✓
- Intercontinental collaboration advancement ✓
 - Three social activities ✓
 - One visited renewable energy source ✓
 - One visited nuclear power plant ✓

Countless memories !! ✓

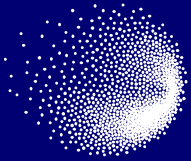


Feedback please



EMUG

- Please contact me at mateusz.malicki@psi.ch
- EMUG is bottom -> top event
- It is done by volunteers and it is free of charge
- Nevertheless, we want to make it better and better, and we are all on our own learning curves
- We can grow only with your support and feedback.
- Criticism (constructive one 😊) is important for progress, so do not hesitate to say
 - What you like
 - Or dislike
 - If sth was missing?
 - Is there too much of sth?
 - Is the content ok?
 - Would you like to propose some special session for next year?
 - Anything else?
 - Everything is important! 😊



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THANK YOU!

What about next year?

Mateusz MALICKI : Scientist : Paul Scherrer Institute