



**1<sup>st</sup> semester progress presentation**

**Modelling calculations and validation  
measurements of objects activation  
in novel research facilities**

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# Outlines

**Introduction;**

**Research Topic;**

**Main Results;**

**Future Work;**

**Conclusions.**

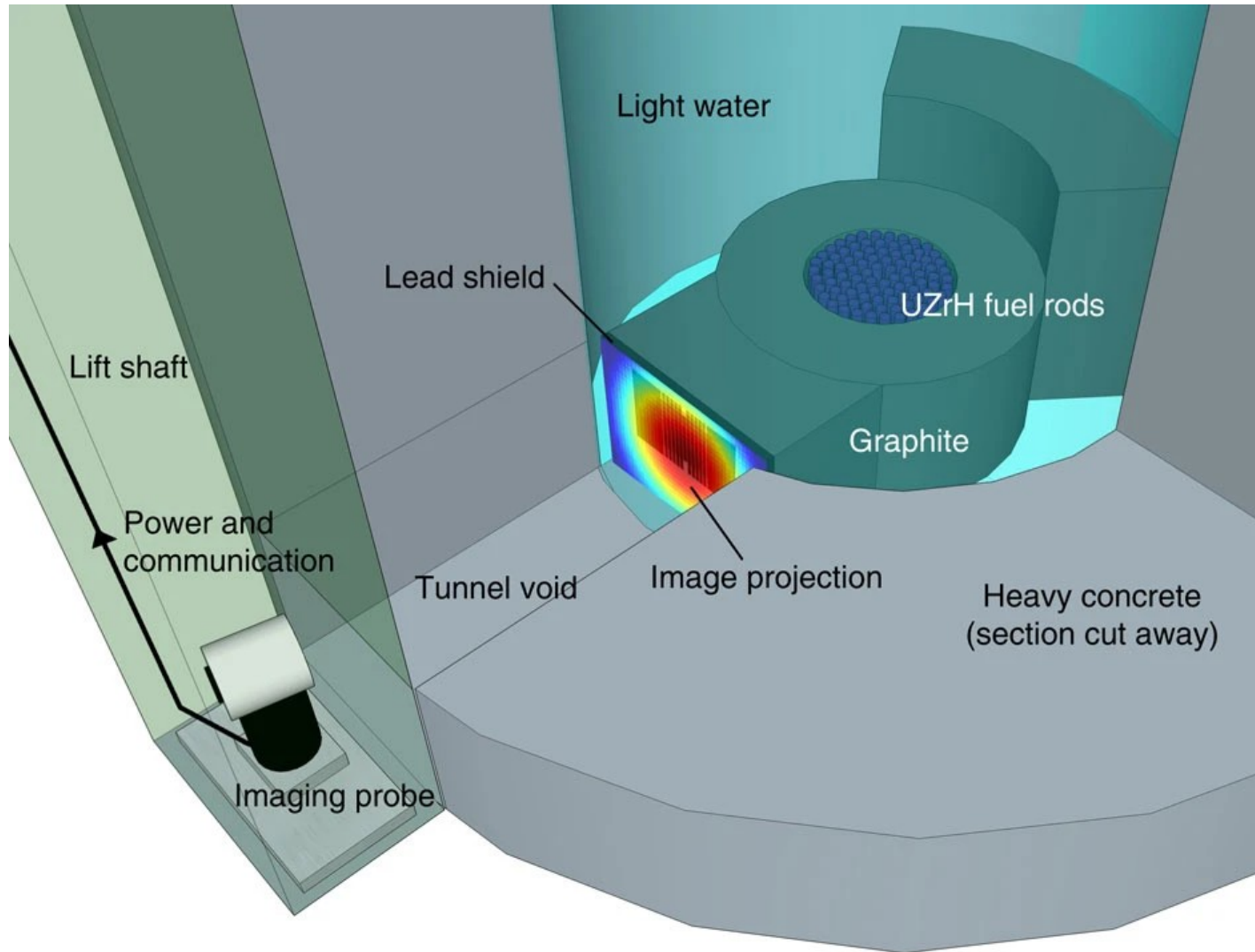
# Research Topic



- biological shielding are subject to nuclear reactions and generation of often unusual types of radioactivity
- the prediction of these radiation fields are of high importance in radiation protection planning

# Main Results

## Modelisation



# Main Results

- Completed courses

Subjects	Lecturer
<b>Advanced separation methods in materials research</b>	<b>Dr. Juvancz Zoltán</b>
<b>Selected chapters from material testing methods II</b>	<b>Dr. Szilvia Klébert Dr. Miklós Mohai Dr. Zoltán May</b>

# Conclusions

- *The literature survey is under way;*
- *Modelisation valid*
- *2 courses were completed;*

# Future planned work

- *Expanding knowledge;*
- *Development of modelling calculations methodology and validation measurements of objects activation;*
- *Results evaluation;*
- *2 courses will be taken next semester.*

**Thank you for  
your attention**

**Ready to answer  
your questions**