**TRM meeting (24m meeting)**

**practical information and draft agenda**

**Practical information**

The **meeting venue is the** [**Geno-Hotel Karlsruhe**](https://www.genohotel-karlsruhe.de/en). It is located 4km south of the city center and 2km south of the Karlsruhe main railway station, the next tram station is at 800m walking distance.

There are rooms allocated for the meeting participants until 07. October under the name "KIT-ITES".

Please note that the hotel does not offer a discount on the room rate, it’s just to make sure that there are rooms available for the PATRICIA TRM participants.

While it is convenient to book this hotel, participants can also choose another hotel in Karlsruhe.

Please register for the meeting on following link→ [REGISTRATION PATRICIA Technical Review Meeting](https://www.eventbrite.be/e/patricia-technical-review-meeting-tickets-417965595347)  by 21st October.

The draft agenda and practical information is also available on the PATRICIA website → [Upcoming events](https://patricia-h2020.eu/events)

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| **November 2, 2022 (DAY 1)** | | |
| **09:00-12:30** | **TCB meeting (at Karlsruhe, not online)** | **All WP leaders, coordinator** |
| 12:30-14:00 | Lunch break | |
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| **14:00-17:55** | **TRM Meeting Plenary session 1** | |
| 14:00- 14:10 | Welcome | Paul Schuurmans |
| 14:10-14:25 | Status of the project (Management) | Paul Schuurmans |
| 14:25-14:40 | Education training communication data management | Philippe Planquart |
| 14:40-15:10 | Plenary talk 1 |  |
| 15:10-15:40 | Plenary talk 2 |  |
| *15:40-15:55* | *Coffee break* |  |
| 15:55-16:25 | Plenary talk 3 |  |
| 16:25-16:55 | Plenary talk 4 |  |
| 16:55-17:25 | Plenary talk 5 |  |
| 17:25-17:55 | Plenary talk 6 |  |
| **17:55** | **End of day 1** |  |

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| **November 3, 2022 (DAY 2) AM** | | | | |
| **Parallel Session TRM Domain 1** | | **Chair: Stéphanie Cornet** | | |
| 09:30-09:40 | Introduction WP1  Status & progress of work from each partner | | Andreas Geist | UHEI |
| 09:40-09:50 | POLIMI | | Elena Macerata | POLIMI |
| 09:50-10:00 | FZJ | | Andreas Wilden | FZJ |
| 10:00-10:10 | UHEI | | Patrik Wessling | Uhei |
| 10:10-10:20 | CHALMERS | | Marcus Hedberg | CHALMERS |
| 10:20-10:30 | CEA | | Cécile Marie | CEA |
| 10:30-10:40 | First steps of the radiolytic stability studies for the current reference AmSel chemical system | | Iván Sánchez Garcia | CIEMAT |
| *10:40-10:55* | *Coffee break* | | | |
| 10:55-11:05 | Introduction to WP2 | | Giuseppe Modolo | FZJ |
| 11:05-11:25 | Modelling and Flowsheeting | | Bruce Hanson | UNIVLEEDS |
| 11:25-11:45 | Process validation | | Andreas Wilden | FZJ |
| 11:45-11:55 | Introduction to WP3 | | Aurélie Gauthé | CEA |
| 11:55-12:15 | Actinide containing matrix materials (CEA, SCK CEN) | | Grégory Leinders | SCK CEN |
| 12:15-12:35 | Settle up of co-precipitation methodologies for Zr oxide matrices fabrication | | Ana Nuñez | CIEMAT |
| *12:35-* | *Lunch break* | | | |
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| **November 3, 2022 (DAY 2) AM** | | | | |
| **Parallel Session TRM Domain 3** | | **Chair: Rémi Delville** | | |
| 09:30-09:40 | Introduction WP7  Status & progress of work from each partner | | Rémi Delville | SCK CEN |
| 09:40-10:00 | Experimental assessment of fuel clad corrosion damage and blockage phenomena in a wire wrapped heated fuel bundle under flowing LBE (SCK CEN) | | Alessandro Marino | SCK CEN |
| 10:00-10:10 | Introduction to WP8 | | Vasile Radu | RATEN |
| 10:10-10:30 | PIE fuel transient test | | Vasile Radu | RATEN |
| 10:30-10:50 | Fuel coolant interaction at elevated temperatures | | Daniel Freis | JRC |
| *10:50-11:05* | *Coffee break* | | | |
| 11:05-11:15 | Introduction to WP9 | | Karsten Litfin | KIT |
| 11:15-11:35 | Blockage experiments and simulations using multi-dimensional high fidelity velocity fields | | Yassin Hassan | TAMUS |
| 11:35-11:45 | Fuel assembly blockages modelling | | Akshat Mathur | NRG |
| *11:45-* | *Lunch break* | | | |

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| **November 3, 2022 (DAY 2) PM** | | | | |
| **Parallel Session TRM Domain 2** | | **Chair: Lelio Luzzi** | | |
| 13:30-13:40 | Status of WP4: thermos-chemical properties of Am-bearing fuels  Status & progress of work from each partner | | Anna Smith | TU Delft |
| 13:30-14:00 | Modelling of U-Np-O system | | Anna Smith | TU Delft |
| 14:00-14:20 | Modelling of U-Pu-Am-O system | | Christine Guéneau | CEA |
| 14:20-14:30 | Status of WP5: Improvement of modelling and fuel performance codes | | Lelio Luzzi | POLIMI |
| 14:30-14:45 | Derivation of correlations databases for fuel performance codes based on new experimental data | | Paul Van Uffelen | JRC |
| 14:45-15:00 | Development of SCIANTIX targeting Am-bearing fuels and helium behaviour | | Alessio Magi | POLIMI |
| 15:00-15:15 | Benchmark/Assessment of the fuel performance codes | | Marc Lainet | CEA |
| 15:15-15:30 | Towards multi-physics coupling of fuel performance, neutronics and thermal-hydraulics codes to simulate off-normal conditions | | Janne Wallenius | KTH |
| *15:30-15:45* | *Coffee break* | | | |
| 15:45-15:55 | Status of WP6: Simulation of normal and off-normal irradiation conditions | | Marc Lainet | CEA |
| 15:55-16:10 | Optimization of a fuel pin for transmutation in MYRRHA | | Simon Billiet | SCK CEN |
| 16:10-16:25 | Simulation of an accidental scenario for assessment of the safety margins | | Davide Pizzocri | POLIMI |
| 16:25-16:40 | Pre-design status of transient irradiation tests in HFR & BR2 | | Syriac Bejaoui | CEA |
| 16:40-16:55 | Evaluation of experimental capabilities and needs for code validation for off-normal conditions using in-pile and/or out-of-pile testing facilities | | Daniel Freis | JRC |
| 16:55-17:05 | Break | | | |
| 17:05-17:25 | Discussion and preparation for overview of domain 2 | | Lelio Luzzi, Anna Smith, Marc Lainet | POLIMI, TU Delft, CEA |
| **17:25** | **End of meeting** | | | |

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| **November 3, 2022 (DAY 2) PM** | | | | |
| **Parallel Session TRM Domain 4** | | **Chair: Ferry Roelofs** | | |
| 13:10-13:20 | Introduction to WP10 | | Jan Uythoven | CERN |
| 13:20-13:40 | Accelerator Reliability modelling | | Lukas Felsberger | CERN |
| 13:40-14:00 | Beam window failure impact | | Kris Rosseel | SCK CEN |
| 14:00-14:10 | Introduction WP11 | | Mariano Tarantino | ENEA |
| 14:10-14:20 | Experimental investigation of the transition between natural circulation modes in CIRCE | | Ivan Di Piazza | ENEA |
| 14:20-14:40 | CIRCE modelling | | Andrea Pucciarelli | UNIPI |
| 14:40-15:00 | Numerical investigation of the transition between natural circulation modes in CIRCE | | Vincent Moreau | CRS4 |
| 15:00-15:10 | Experimental investigation of the transition from forced to natural circulation in E-SCAPE | | Julio Pacio | SCK CEN |
| 15:10-15:30 | Numerical investigation of the transition from forced to natural circulation in E-SCAPE | | Silvania Lopes, Dirk Visser | VKI  NRG |
| 15:30-15:45 | Coffee break | | | |
| 15:45-16:05 | Heat Transport Modelling in Computational Fluid Dynamic | | Jure Oder  Akshat Mathur | VKI  NRG |
| 16:05-16:15 | Introduction to WP12 | | | |
| 16:15-16:35 | Radionuclide release experiments | | Borja González | SCK CEN |
| 16:35-16:55 | Sample preparation, Radionuclide Analytics and Radionuclide release experiments | | Ivan Zivadinovic | PSI/JRC |
| 16:55-17:15 | Status of Matrix isolation of TeOxHy/KEMS | | Ondrej Benes | JRC |
| 17:15-17:35 | Status of calculations on volatile Te/Po molecules | | Stefaan Cottenier | UGent |
| **17:35** | **End of meeting** | | | |

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| **November 4, 2022 (DAY 3) AM** | |
| **TRM Meeting Plenary session 2** | |
| 09:30-09:35 | Welcome |
| 09:35-10:05 | Plenary talk 7 |
| 10:05-10:35 | Plenary talk 8 |
| 10:35-11:05 | Plenary talk 9 |
| 11:05-11:35 | Plenary talk 10 |
| *11:35-11:50* | *Coffee break* |
| 11:50-12:00 | Overview Domain 1 |
| 12:00-12:10 | Overview Domain 2 |
| 12:10-12:20 | Overview Domain 3 |
| 12:20-12:30 | Overview Domain 4 |
| 12:30-12:50 | Feedback from the IAG |
| **12:50-13:10** | **Concluding remarks, next meeting** |
| **End TRM** |  |
| **13:10** | Lunch |

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| **November 4, 2022 (DAY 3) PM** |
| **Governing Board meeting** |
| There’s no Governing Board meeting planned. |

**After lunch:**

**TECHNICAL VISIT KIT Campus (KALLA and INE)**