

PMDco Hackathon III @ BAM

13th – 15th October 2025 | Lunch 2 Lunch

Day 1: 13th October

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|-----------------|--|
| 12:00 PM | Registration and Get Together |
| 1:00 PM | Welcoming / Motivation (BAM / HAP „Semantic Interoperability“ lead) |
| | Introduction Round (all) Fixing the Agenda Find Working Groups |
| 2:00 PM | Coffee Break |
| 2:15 PM | Introduction to PMDco (all) Structure, Concepts, Releases, Discussions |
| 3:15 PM | Coffee Break |
| 3:30 PM | Group Sessions |
| | Topic 1: Modelling of Materials on different scales ¹ |
| | Topic 2: Modelling of Processes ² |
| | Topic 3: MSE Glossary / Taxonomy ³ |
| | Topic 4: Use Case ⁴ |
| | Topic 5: Intro to Ontologies ⁵ |
| | Topic 6: Improvement of Documentation |
| 6:00 PM | Presentation of first results (all) |
| 7:30 PM | End of the day |

¹ Patterns Modelling: “What does a material look like, possibly on multiple scales?”

² Patterns for modelling processes from the perspective of the material, the laboratory, the computational workflow, etc.

³ Creation of a taxonomy/glossary for the field of MSE, intending to show how axioms/Aristotelian definitions and material properties interact.

⁴ Creation of Use Case example: Where can we easily gain added value with an (OWL) ontology?

⁵ Beginner’s course (if necessary!): Intro to ontologies, feat. “Pizza Tutorial” in Protégé; Please make sure to have Protégé (<https://protege.stanford.edu/>) installed beforehand.

Day 2: 14th October

9:00 AM Parallel Group Sessions

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|---------------------|---|
| right corner | Topic 1: Modelling of Materials on different scales ¹ |
| plenum | Topic 2: Modelling of Processes ² |
| upstairs | Topic 3: MSE Glossary / Taxonomy + Use Case |
| left corner | Topic 4: Documentation |
| 11:30 AM | Plenum: Show your pull requests , Part 1 |
| 12:15 AM | Group Picture |
| 12:30 PM | Lunch @ BAM Canteen |
| 1:40 AM | Plenum: Show your pull requests , Part 2 |
| 3:00 PM | Continued Sessions |
| | Expert Round Discussion |
| 3:30 PM | Coffee Break |
| 4:00 PM | Continued Sessions |
| 4:45 PM | Coffee Break |
| 5:00 PM | Plenum: Presentation of results from Group Sessions |
| 6:30 PM | End of the day Leave venue to travel to restaurant |
| 7:00 PM | Dinner @ restaurant "Asami XI", Birkenbuschstraße 11, 12167 Berlin (at own cost) |

Day 3: 15th October

| 9:00 AM | Teamwork |
|----------|---|
| Plenum | Expert Round |
| | What's Next? → Paper? → Long-Term Strategy → Set up future (online) meetings |
| 11:00 AM | Coffee Break |
| 11:15 AM | Wrap up |
| 12:30 PM | End of Hackathon |

*Information on the BAM canteen (accessible from BAM site):
<https://www.gastfroeh.de/resources/speisekarten/bam.pdf>

**Complimentary coffee and snacks are provided during the event

! Note: Agenda may be subject to change.