

PMDco Hackathon III @ BAM

13th – 15th October 2025 | Lunch 2 Lunch

Day 1: 13th October

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
	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
11:45 AM	Group Picture
12:00 PM	Lunch @ BAM Canteen
1:00 PM	Continued Sessions
	Expert Round Discussion
3:00 PM	Coffee Break
3:15 PM	Continued Sessions
4:45 PM	Coffee Break
5:00 PM	Plenum: Presentation of results from Group Sessions
7:00 PM	Dinner @ restaurant "Asami XI" [†] (at own cost)

[†] Asami XI, Birkbuschstraße 11, 12167 Berlin

Day 3: 15th October

9:00 AM	Teamwork
	Paper Planning
	What's Next? → 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.gastfroh.de/resources/speisekarten/bam.pdf>

**Complimentary coffee and snacks are provided during the event

! Note: Agenda may be subject to change.