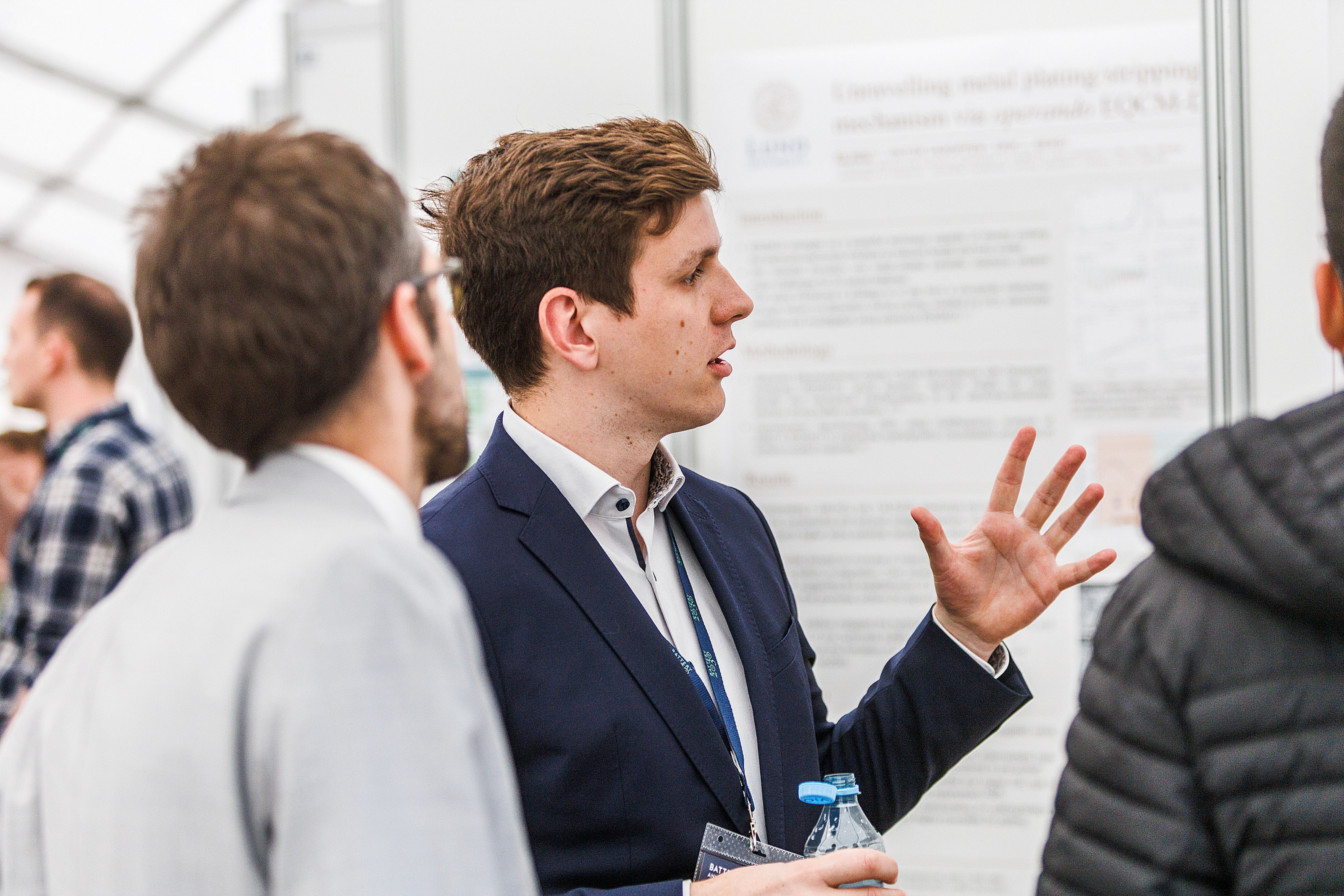
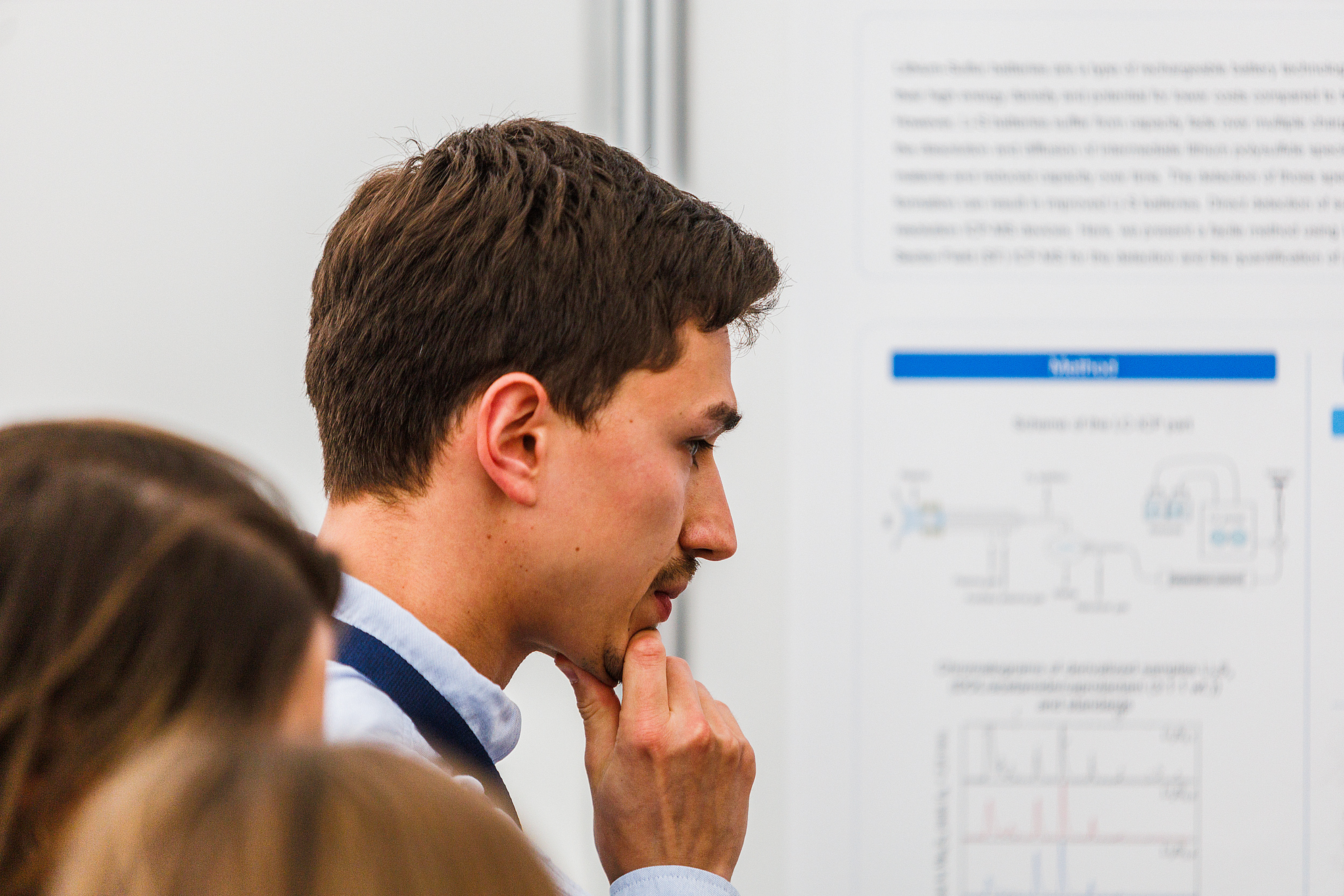

RESULTS AND DISCUSSION
CONCLUSIONS
LiBETI
LiTFSI
Viscosity
Oxidative stability






BATTERY 2030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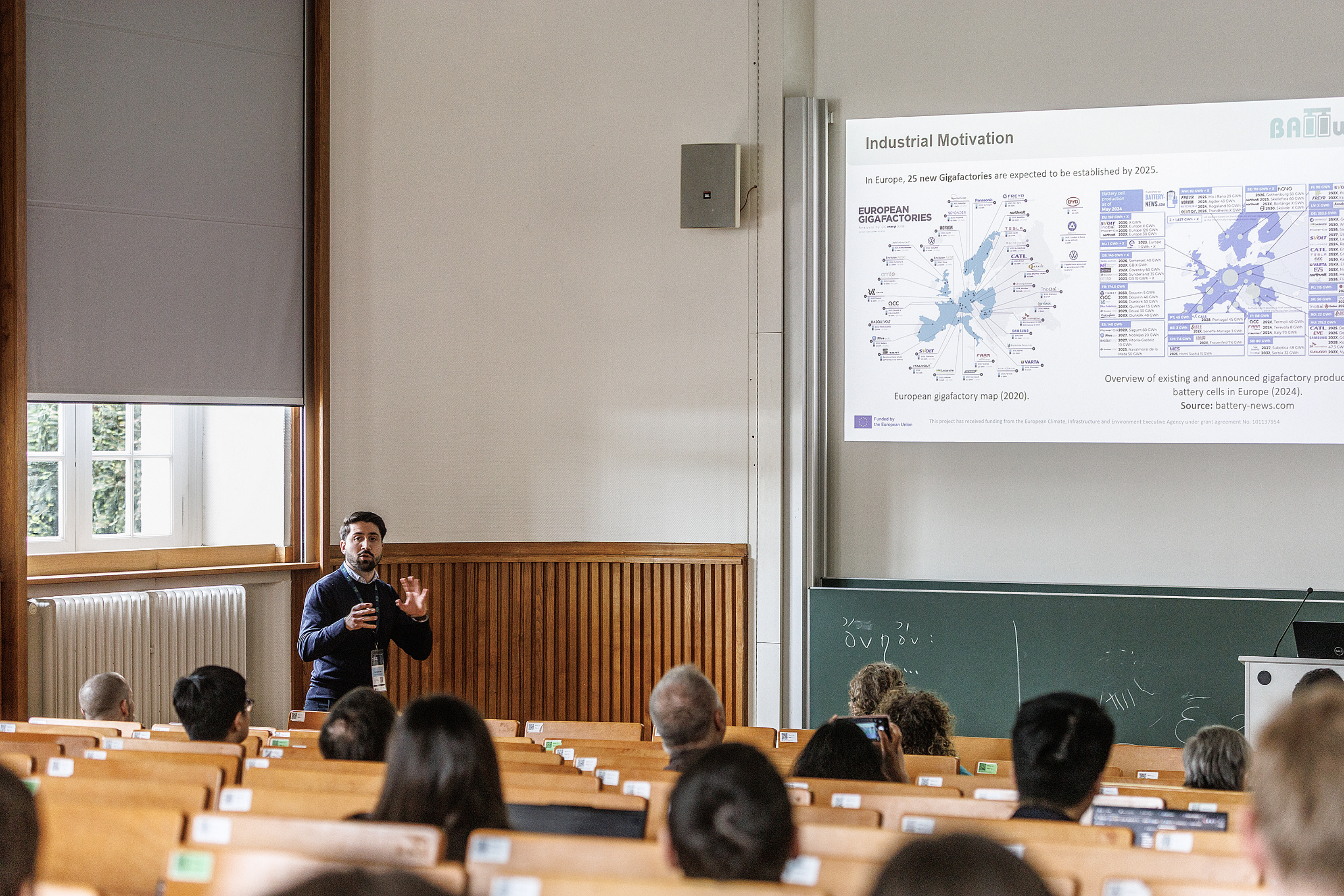
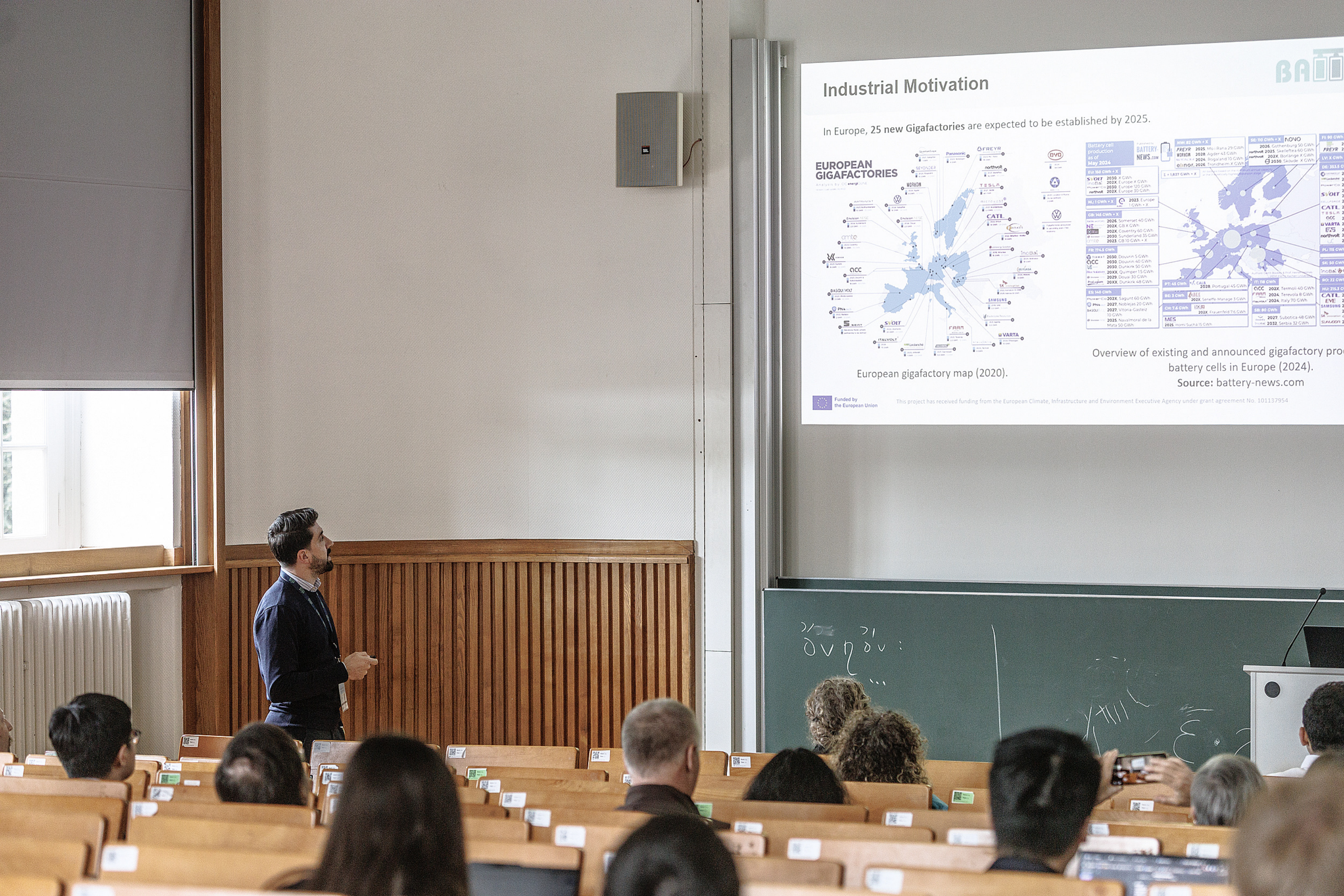
ANNUAL CONFERENCE
6–7 May 2025
Münster, Germany
Mesfin Haile Mamme
VUB


Industrial Motivation
In Europe, 25 new Gigafactories are expected to be established by 2025.
EUROPEAN GIGAFACTORIES
European gigafactory map (2020).
Overview of existing and announced gigafactory produc
battery cells in Europe (2024).
Source: battery-news.com
Funded by the European Union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Status update M15 (March 2025)
BatCAT
Battery Cell Assembly Twin
Core ontology and mapping to answer set programming drafted (MS8).
Core ontology drafting: Internal work, so far
Mid-level ontologies (MSO-EM): https://github.com/HE-BatCAT/mso-em
Delivery of the risk management plan (D8.3).
Documentation: All pilot line & sensorics equipment will be in place (MS9).
Update of the communication, dissemination, and training plan (MS10).
For five key tasks: Controlled that they are in line with requirements (MS7).
Battery2030+ Annual Conference
6th May 2025
5


Improving the accura
model simulations: D
diffusion coefficients
Introduction
Analytical approach for d
Physics-based approach
Patrik Johansson
UPPSALA UNIVERSITY | BATTER
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