

Event Agenda



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9:00–9:30	Registration
9:30–9:45	Opening speeches
9:45–9:55	<i>Introduction to HiDALGO2</i> – Marcin Lawenda (HiDALGO2 Coord., Poznan Supercomputing and Networking Center)
9:55–10:05	Keynote: <i>The Future of Technology Advancements</i> – Matteo Mascagni, Programme Manager R&I, European Union’s “EuroHPC–JU”
10:05–10:20	<i>Urban Air: Simulating City Air Quality and Comfort with HPC</i> – Zoltan Horvath (Széchenyi István University)
10:20–10:35	<i>Ktirio: From Building to City-Scale Energy on EuroHPC systems using Open Data</i> – Christophe Prud’homme (University of Strasbourg)
10:35–10:50	Coffee Break
10:50–11:10	Panel Discussion: <i>Digital Twins for Sustainable Cities: From Buildings to Urban Air</i> – Chair: Zoltan Horvath
11:10–11:25	<i>Renewable Energy Sources: Modeling Renewable Energy Production with HPC</i> – Michal Kulczewski (Poznan Supercomputing and Networking Center)
11:25–11:40	<i>Material Transport in Water: Simulating Temperature-Driven River Dynamics Using HPC</i> – Ravi Ayyala Somayajula (Friedrich-Alexander-Universität)
11:40–11:55	Panel Discussion: <i>Multi-Scale HPC Simulations for Resource Management in Water and Energy Systems</i> – Chair Michal Kulczewski
11:55–13:10	Lunch Break
13:10–13:25	<i>Global Challenges and HPC: The Case of Wildfires</i> – David Caballero (MeteoGRID)
13:25–13:45	Panel Session: <i>Integrating HPC and Simulation Frameworks for Wildfire Modeling and Response</i> – Chair: David Caballero

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14:25-14:55	<i>Coffee Break</i>
14:55-15:40	Panel Discussion with Experts: <i>HPC Applications Across the EU</i> – Chair: Guntram Berti (CASTIEL2)
15:40-15:55	<i>Coffee Break</i>
15:55-16:10	<i>Navigating the European AI Landscape: A Look at HammerHAL's AI Factory</i>
16:10-16:20	<i>Closing Remarks</i> – Marcin Lawenda (HiDALGO2 Coordinator, PSNC)
16:20-18:00	Networking and refreshments