NEWSLETTER

ISSUE #6
July – December 2025

EESSI CI/CD Hackathon successfully organized in Copenhagen following the EuroHPC User Days 2025

This exciting event was organized by EuroHPC CoE MultiXscale in collaboration with CASTIEL2, and EuroCC Denmark bringing together experts and innovators from across Europe to advance the European Environment for Scientific Software Installations (EESSI).

The EESSI CI/CD Hackathon dived deep into the world of Continuous Integration and Continuous Deployment (CI/CD) for scientific software in HPC environments. Participants worked hands-on to improve automation pipelines, streamline software deployment, and contribute to the EESSI ecosystem — a shared infrastructure that simplifies scientific software installation across HPC centers.

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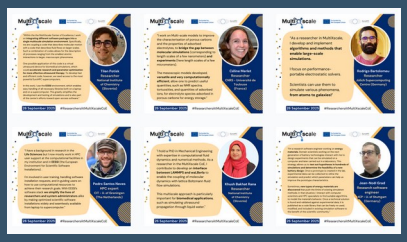
More news in this issue:

Book of Abstracts of the 2025 ESPResSo Summer School "Systematic coarse-graining and machine learning in soft matter physics with ESPResSo".



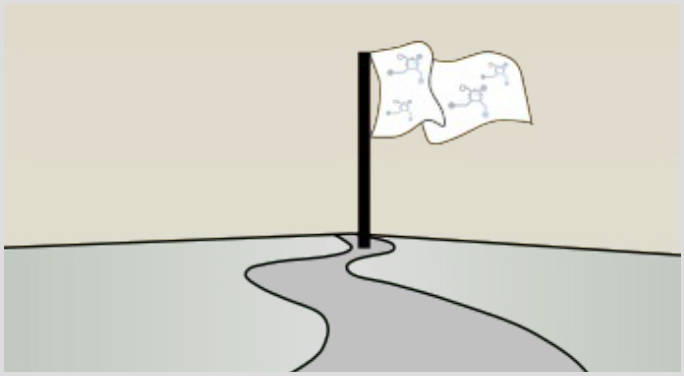
The researchers behind MultiXscale, at the European Researchers' Night, on 26 September 2025.

The lectures recorded during the CECAM Flagship Workshop are already available online!

News

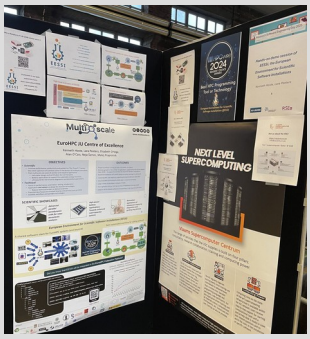
Rethinking scientific applications for exascale and emerging architectures: the Centre of Excellence challenge
2025-12-26

This workshop will be organized in the framework of HiPEAC Krakow, on 27 January 2026. CoE organisers: ChEESE-2P, EoCoE-III, ESiWACE3, ExCELLERAT P2, MaX, MultiXscale, POP3, and SPACE.
More details available here.



Milestone Achievement
2025-12-23

We have reached a new milestone by implementing tests for key MultiXscale applications in the EESSI test suite.
The current milestone reflects that EESSI test suite, as of version 0.9.0, covers all the key applications developed in WPs 2, 3 and 4 of MultiXscale with a test case. Further info here.



Research Software Engineering Day - RSE Day 2025
2025-12-05

Talk given and poster presented at the event organized by KU Leuven at Campus Arenberg in Heverlee (Belgium).

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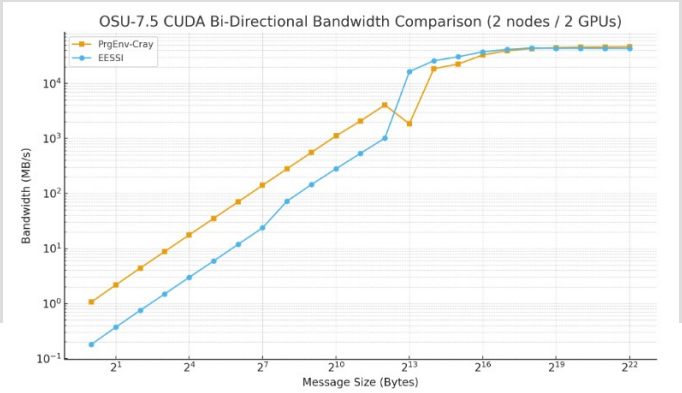

MPI at Warp Speed: EESSI Meets Slingshot-11
2025-11-17

In this blog post, we present the requirements for building OpenMPI 5.x with Slingshot-11 support on HPE/Cray systems and its integration with EESSI using the host_injections mechanism of EESSI to inject custom-built OpenMPI libraries.
Discover more through this link here.

TouCAM. 6-7 November 2025 at Université de Toulouse (France)
2025-11-11

MultiXscale expert El Hassane Lahrar presented the talk “Towards efficient and accurate simulations of porous carbon based energy storage systems” on Thursday 6th of November 2025, during the TouCAM event, organized in Toulouse (France).

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Book of Abstracts of the 2025 ESPResSo Summer School “Systematic coarse-graining and machine learning in soft matter physics with ESPResSo”
2025-10-20

The ESPResSo summer school is a CECAM flagship school organized every year by the Institute for Computational Physics at the University of Stuttgart to train students and scientists in simulation software for soft matter physics and foster synergies between simulation experts and experimentalists. The 2025 edition focused on coarse-graining and machine learning methods. The event attracted 63 attendees and featured 14 talks and 18 posters.

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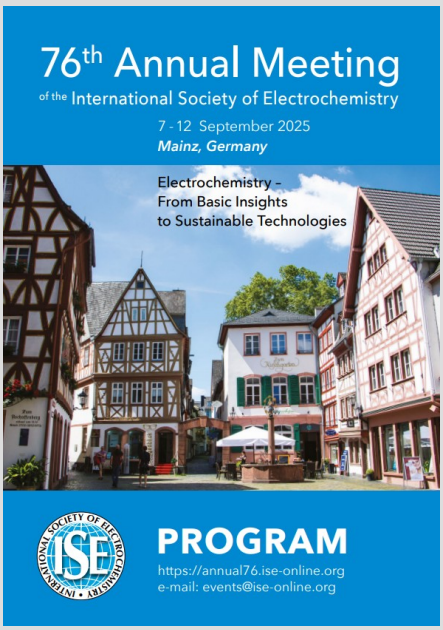

76th Annual Meeting of the Int. Society of Electrochemistry. 7-12 September in Mainz, Germany
2025-09-15

MultiXscale expert Céline Merlet (CIRIMAT, CNRS – Université de Toulouse, Toulouse, France) gave the keynote talk “Modelling high power devices across scales” on Monday 8th September, during the 76th Annual Meeting of the International Society of Electrochemistry, in Mainz, Germany.

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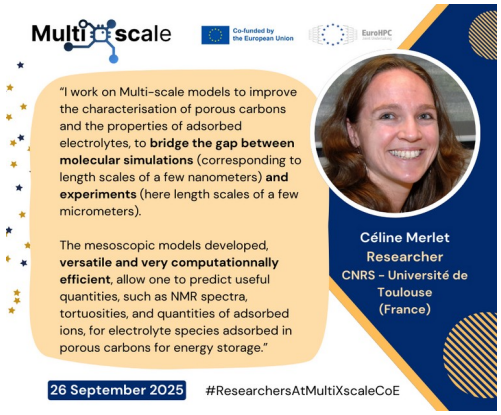
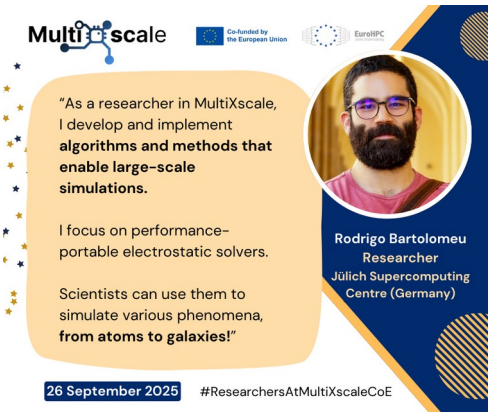
The researchers behind MultiXscale, at the European Researchers' Night

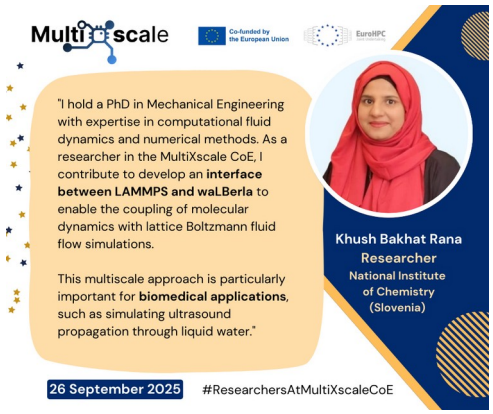
2025-09-26

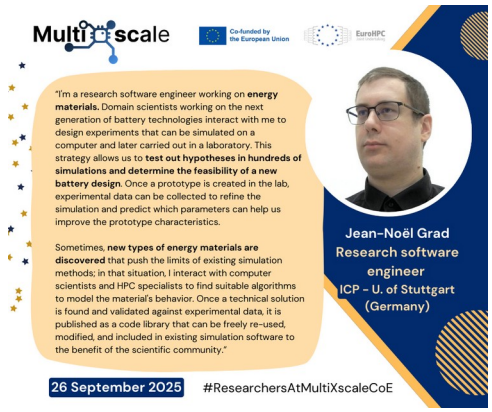
We were excited to shine a light on the incredible work of our MultiXscale CoE team during the European Researchers' Night, on 26 September 2025.

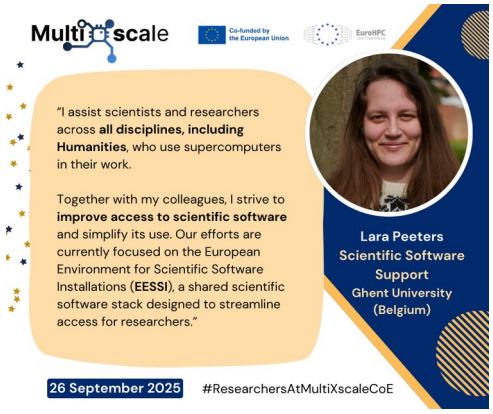
Meet the team of researchers driving innovation behind MultiXscale and discover their key roles in the project:

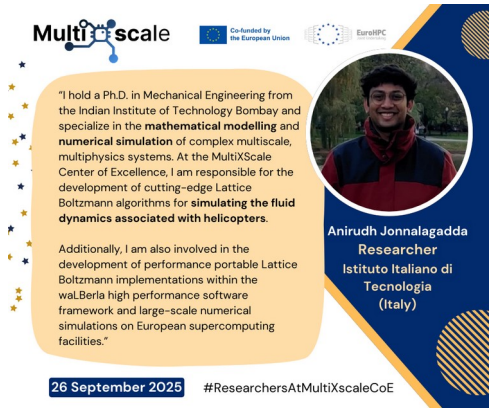


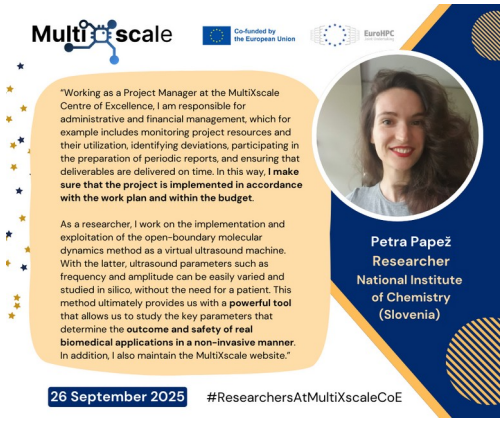


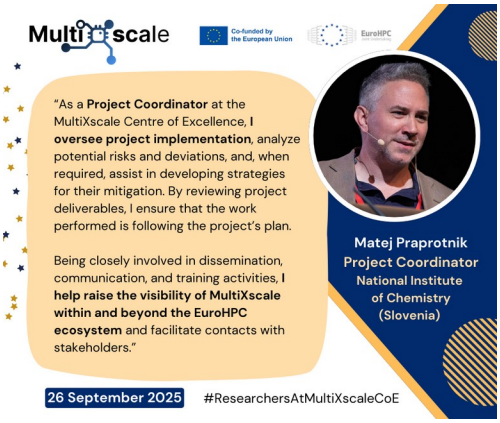












The recording of the talk “OOD Meets EESSI” is now accessible on Vimeo platform
2025-09-11

A 2025 Global Open OnDemand Conference presentation entitled ‘OOD Meets EESSI: Accessing and Distributing Scientific Software with Ease.’ The presentation was given by Christian Bustelo and Arturo Gimeno on Wednesday, March 19, 2025, at Harvard University, Cambridge (USA). Access the video here.

The lectures recorded during the CECAM Flagship Workshop are already available online!
2025-09-10

At the CECAM Flagship Workshop “Modeling & Simulation of Fluid-Structure Interactions Across Scales” held at the National Institute of Chemistry in Ljubljana (Slovenia) on 8-11 April 2025, over four inspiring days, we welcomed 55 participants from 10 countries, to explore cutting-edge topics in multiscale modeling for biomedical applications, the transition to sustainable energy and civil transport, AI-enhanced simulation techniques, and HPC workflows. Access the videos here.

EESSI
EUROPEAN ENVIRONMENT FOR SCIENTIFIC SOFTWARE INSTALLATIONS

EESSI Happy Hour sessions (Mondays, 14:00–15:00 CEST)
2025-08-13

Join us for EESSI Happy Hour, an informal, weekly online session to explore and discuss key EESSI topics and updates with the community.

Each series will focus on a specific main topic over several sessions, giving participants the opportunity to ask questions, get hands-on guidance, and share experiences.

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