



## SPACE CoE NEWSLETTER

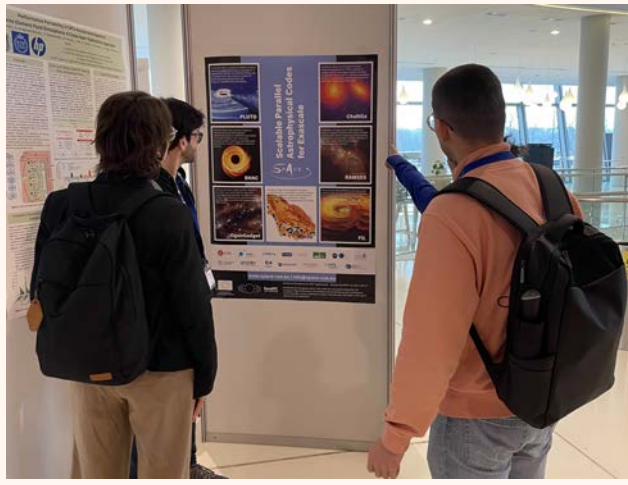
Dear readers,

We wish you a successful year 2026 and bring you this year's first newsletter with a summary of the most important news from the SPACE Centre of Excellence. We are focused on astrophysical and cosmological applications, and our main objective is to enable the most widely used European HPC codes in astronomy and cosmology to efficiently and effectively exploit the pre-exascale systems provided by EuroHPC JU, and to prepare them for the transition to exascale and beyond. Discover more about the SPACE CoE in our newsletter and on our [website](#).

Your SPACE CoE

### Latest events

#### HiPEAC 2026, Krakow (Poland), 26–28 January 2026



HiPEAC 2026 took place in Krakow and featured key workshops, tutorials, special sessions and industrial exhibition focused on advancing HPC and emerging architectures. SPACE CoE joined the event and co-organised a workshop on modernising scientific applications for exascale systems. We also presented a poster introducing our flagship codes which drew significant interest from attendees.

[Find out more](#)

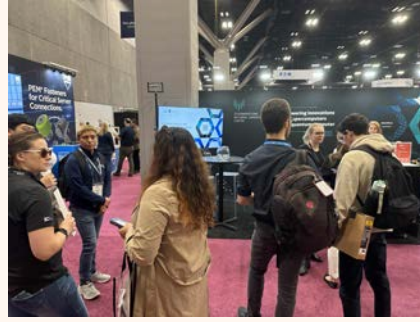
#### SPACE Winter School, Sexten (Italy), 15–19 December 2025



The SPACE Winter School was part of the broader event “The Universe in a Chip.” It brought together experts and young researchers from the SPACE CoE and the Spoke 3 project to discuss the future of HPC and big data in astrophysics and cosmology. SPACE CoE prepared three dedicated sessions to present exascale applications, machine learning and visualisation tools as well as a hands-on session with practical tutorials on the SPACE exascale applications.

[More about the SPACE Winter School](#)

#### SC25, St. Louis (USA), 16–21 November 2025



SC25, the world's largest supercomputing conference, gathered over 16,500 attendees and 524 exhibitors from across the global HPC community. The theme of the event was “HPC ignites” and the conference offered technical sessions, workshops, poster session, and demonstrations powered by the cutting-edge SCinet network. Consortium partners from INAF and IT4Innovations joined the conference and helped to promote the SPACE CoE.

[Read more](#)

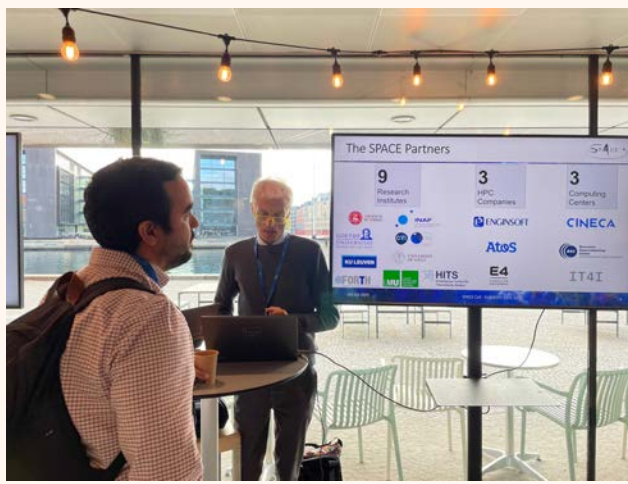
#### ADASS XXXV, Görlitz (Germany), 9–13 November 2025



The 35th annual conference on Astronomical Data Analysis Software & Systems provides a forum for scientists and programmers concerned with algorithms, and software systems employed in the acquisition, reduction, analysis, and dissemination of astronomical and planetary science data. The ADASS conference included invited talks, contributed papers, tutorials, software demonstrations, and BoF meetings. SPACE CoE was hosted by HITS demo booth.

[ADASS XXXV](#)

#### EuroHPC User Days, Copenhagen (Denmark), 30 September – 1 October 2025



The third EuroHPC User Days brought together more than 300 participants over two days. Attendees showcased EuroHPC projects that have used European HPC supercomputing resources and AI Factories, shared best practices in the development of these projects, gathered feedback from EuroHPC users and engaged with potential new users. Gino Perna from Enginsoft took this opportunity to promote the SPACE CoE and its activities.

[EuroHPC User Days](#)

#### SPACE Review, Luxembourg (Luxembourg), 9 September 2025



The SPACE CoE consortium met for a mid-term review hosted by the European Commission in Luxembourg. September 9th was an important milestone for the project, providing an opportunity to reflect on the progress achieved during the second year and the first half of the third year, and to align on the next steps towards delivering the centre of excellence's final results.

[Check our website](#)

## Upcoming events



## 18th International Workshop on Science Gateways

### IWSG 2026

16–19 June 2026 | Catania (Italy)

18th International Workshop on Science Gateways will gather experts to explore advancements in user-friendly platforms that simplify access to large-scale computing and data resources. As science gateways increasingly incorporate technologies like cloud, edge, IoT, AI, and blockchain, they continue to broaden access to advanced distributed infrastructures. The workshop will highlight current challenges, innovative solutions, and future directions to further expand their adoption across diverse research fields.

[Stay tuned](#)



## MACHINE LEARNING FOR ASTROPHYSICS

3<sup>RD</sup> EDITION VALLETTA, 31 AUG - 4 SEP, 2026

### ML4ASTRO3

31 August – 4 September 2026 | Valletta (Malta)

The 3rd International Conference on Machine Learning for Astrophysics will bring together leading experts advancing the use of machine learning in astrophysical research. The event will highlight cutting-edge machine and deep learning methodologies designed to tackle key scientific challenges in the big data era, with a focus on both observational and simulation data. The programme including oral presentations and poster flash talks will showcase the latest innovations at the intersection of AI and astrophysics.

[Join us](#)

## Training opportunities



### RUM26

27 April – 1 May 2026 | Seoul (South Korea)

RAMSES User Meeting, is a five-day event for the RAMSES community and newcomers which offers code development, science highlights, tutorials, and collaborations.

[Find more information](#)



### PLUTO/OpenGadget3 Symposium

15–18 June 2026 | Heidelberg (Germany)

The HPC Summer School will be part of the first joint PLUTO/OpenGadget3 Symposium, which will take place at the House of Astronomy in Heidelberg. The Symposium aims at both experienced users who want to show the code's capabilities to the community and beginner users aiming at learning how to maximise the code's efficiency.

[Register](#)

Have you missed any previous training? Do not worry! The majority of our training events can be found on the [SPACE CoE YouTube channel](#).

## Latest publications

[The PLUTO code on GPUs: A first look at Eulerian MHD methods](#)

[VisIVO interactive high performance visualization](#)

[Towards Exascale Computing for Astrophysical Simulation Leveraging the Leonardo EuroHPC System](#)

If you want to contact us, please write to [info@space-coe.eu](mailto:info@space-coe.eu).



Follow us



LinkedIn

Youtube

You are receiving this e-mail as you signed up for our newsletters.

Want to change how you receive these e-mails?

You can [unsubscribe](#) or [update your preferences](#).

### Acknowledgement

Centres of Excellence for HPC Applications – Horizon-EuroHPC-JU-2021-COE-01

Funded by the European Union. This work has received funding from the European High Performance Computing Joint Undertaking (JU) and Belgium, Czech Republic, France, Germany, Greece, Italy, Norway, and Spain under grant agreement No. 101093441.

**Disclaimer**

Funded by the European Union. Views and opinions expressed are however those of the author(s) only and do not necessarily reflect those of the European Union or the European High Performance Computing Joint Undertaking (JU) and Belgium, Czech Republic, France, Germany, Greece, Italy, Norway, and Spain. Neither the European Union nor the granting authority can be held responsible for them.



**Co-funded by  
the European Union**



**EuroHPC**  
Joint Undertaking