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The European HPC ecosystem event: this second edition offers a wide variety of workshops covering a number of application areas where supercomputers are key, as well as HPC technologies and infrastructures.



BSC will host the second edition of the European HPC Summit Week 2017 edition ([EHPCSW17](#)) which will take place 15-19 May in Barcelona, Spain. The event will include even more HPC workshops than the 2016 edition, covering a range of application areas including renewable energies, oil & gas, biomedicine, big data, mathematics, climate modelling, computing applications, as well as HPC future technologies. It will be a great opportunity to network with all relevant European HPC stakeholders, from technology suppliers and HPC infrastructures to HPC scientific and industrial users in Europe.

“For EHPCSW17 we took on the important challenge of accommodating numerous HPC-related workshops. Our aim is to make the European HPC Summit Week a reference in the HPC ecosystem, and to create synergies between stakeholders,” says Sergi Girona, BSC Operations Director and EXDCI project coordinator.

The programme starts on Monday with the [EXDCI workshop](#), which will give an overview of EXDCI recent activities including the HPC vision and recommendations to improve the overall HPC ecosystem. [PRACEdays17](#), the fourth edition of the PRACE Scientific and Industrial Conference, will take place from

Tuesday morning until midday Thursday, and, under the motto *HPC for Innovation: when Science meets Industry*, will have several high-level international keynote talks, parallel sessions and a panel discussion.

On Tuesday afternoon, and in parallel to PRACEdays17, three additional workshops organised by HPC Centers of Excellence will take place:

- [CompBioMed: HPC-based computational biomedicine](#);
- [HPC for renewable energies: new programming models and strategies for the emerging exascale architectures](#) and
- [ENES / ESIWACE HPC Workshop](#).

In the late afternoon, a poster session, with a welcome reception sponsored by PRACE, will close the events of the day. On Wednesday afternoon, EuroLab4HPC will organise its workshop [The Future of High-Performance Computing](#) in parallel to the workshop [Mathematics for Exascale and Digital Science](#).

On Thursday afternoon, the European Technology Platform for HPC (ETP4HPC) will organise a round-table entitled [Exploiting the Potential of European HPC Stakeholders in Extreme-Scale Demonstrators](#) in parallel to the [EUDAT workshop: Coupling HPC and Data Resources and services together](#). The week will finish with scientific workshops organised by FETHPC projects and Centers of Excellence:

- [HPCAFE-2017: High-Performance Computing Approaches for Monitoring, Exploring, Optimizing and Autotuning](#)
- NextGenIO /SAGE workshop: Working towards Exascale IO
- [POP User Forum: Help us, help you! - Help us improve the POP Service so that we can help you improve your HPC Applications](#)

The full programme is available online at <https://exdci.eu/events/european-hpc-summit-week-2017>. The registration fee is €60 and those interested in attending the full week (or part of it) should fill out the centralised registration form by 5 May: <https://exdci.eu/events/european-hpc-summit-week-2017>

### **About the EHPCSW conference series**

EXDCI coordinates the conference series “European HPC Summit Week”. Its aim is to gather all related European HPC stakeholders (institutions, service providers, users, communities, vendors and consultants) in a single week to foster synergies. Each year, EXDCI opens a call for contributions to all HPC-related actors who would like to participate in the week through a workshop.

This [first edition](#) took place in 2016 (EHPCSW16) in Prague, Czech Republic. The EHPCSW16 gathered a total 238 attendees with nearly all European nationalities represented. The four-day summit comprised a number of HPC events running concurrently: an EXDCI Workshop, PRACEdays16, the “EuroLab4HPC: Why is European HPC running on US hardware?” workshop and the ETP4HPC Extreme-Scale Demonstrators Workshop, as well as a number of private collaborative meetings.



Barcelona Supercomputing Center - Centro Nacional de Supercomputación

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