



**EUROPEAN TECHNOLOGY
PLATFORM FOR HIGH
PERFORMANCE COMPUTING**

EuroHPC Summit Week 2022

**Session “EU Curriculum in HPC - EUMaster4HPC”
Wednesday 23 March 2022**

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**ETP4PHC: Why be concerned with
education and training in HPC?**

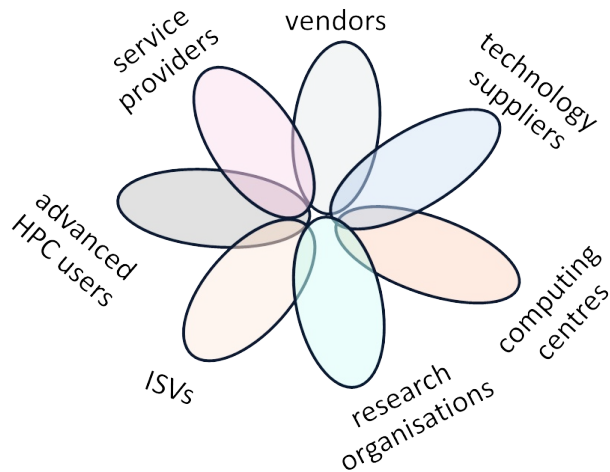
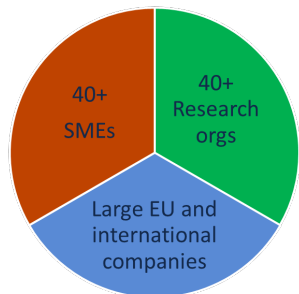
<https://www.etp4hpc.eu/>

We are an industry-led think-tank promoting European HPC research and innovation
to support Europe's competitiveness

We have a strong focus on technologies (h/w & s/w),
and are committed to developing a vibrant EU HPC ecosystem all along the value chain

ORGANISATION

- Private, independent and non-profit association
- ~110 members from 23 countries



ETP4HPC Main Activities

- Open forum for discussing HPC-related technologies and initiatives
 - Domain-specific Working Groups
- Private member of the EuroHPC Joint Undertaking together with DAIR0, QuIC
 - 3 seats at the EuroHPC Research and Innovation Advisory Group (RIAG) + 4 observers
- Author of (among other publications):
 - HPC Strategic Research Agendas
 - the Handbooks of EU HPC Projects
 - White Papers
- Developing the TransContinuum Initiative
<https://www.etp4hpc.eu/transcontinuum-initiative.html>



Why be concerned with education and training in HPC?

How to contribute?

- One of the objectives of ETP4HPC is creating, supporting and expanding a healthy and dependable European ecosystem for HPC and related technologies
 - Skill development is key – a global issue – **train, re-train, retain...**
- Taking actions in Education and Training in HPC, as with the EUMaster4HPC program, is key for providing people with the skills required to achieve that objective
 - educate people to leverage/maximize existing technologies
 - educate people to create/design new technologies and solutions
 - capitalise & transfer existing tacit knowledge to new generations
- ETP4HPC members are in the private, industrial sector as well as in the public R&D sector
 - ideally positioned to help steer and monitor the training programmes and the skillsets required
 - members can offer internships, mentorship...in particular in industry (incl. supply side)
 - augment academia/industry interlock, foster mixed career paths

More specifically: ETP4HPC is a EUMaster4HPC partner

- Bringing in efforts from its Office team and two of its private members:
 - Leonardo Company
 - E4 Company
- Contributions to :
 - Outreach and dissemination
 - Push-mode: activities to promote project and its curriculum towards ETP4HPC's members and its wider ecosystem
 - Pull-mode: to connect the project and its student to companies, either for internships, advisory roles, testimonials, presentation as part of the cursus
 - Definition of the curriculum
 - Ex ante: needs and requirements from the private side
 - Ex-post: assess the curriculum from industries' point of view