

Conclusions of 10th HPC cPPP Partnership Board meeting

Brussels, 23.10.2018

- ETP4HPC chair presented an overview of the dissemination activities of the ETP across different events, such as the European HPC summit week, SC, Teratec, ISC, etc.
- EuroHPC needs to address all users, those trying to exploit the most powerful machines and those executing more conventional tasks. So far the work towards users has not been very structured, but it will grow in importance. In terms of setting priorities, the first users' communities to be targeted will come from the ongoing Centres of Excellence. Also the PRACE Industrial Advisory Committee can give useful input. The users groups should also extend progressively to communities with computational needs that are not Tier-0, in view of the future federation of national HPC resources.
- The transition from cPPP to EuroHPC JU raises some questions about the processes to follow for the cPPP termination. The easiest way to terminate the cPPP is for the ETP4HPC to send a letter to the EC asking for the partnership to stop.
- The EuroHPC will establish the two Advisory Groups: Infrastructure and Research and Innovation (in which ETP4HPC can appoint 4 representatives). These Advisory Groups may set up working groups to involve a larger group of stakeholders from CoEs, science and industry users. A CSA that started recently to support CoEs will help in this direction.
- ETP4HPC has provided 2 pages as input to WP2019-2020. For these pages, SRA-3 team was operational, together with CoEs and in consultation with BDVA, reflecting both the focus on HPC systems and applications.

- ETP4HPC is preparing with BDVA and HiPEAC a vision paper for Horizon Europe. It will be further developed at the ICT event in Vienna. This presents some challenges as the scope is widened and new actors need to be involved in the process. Final release is planned for March 2019.
- The EC remarks that one of the main missions of the EuroHPC JU strategic objective is to develop and support a highly competitive and innovative High-Performance Computing ecosystem, in particular with research and innovation programmes for developing European technologies and their subsequent integration in exascale supercomputing systems and contribute to developing a competitive European technology supply industry. The vision paper should be aligned with this objective and reflect it not only with explicit statements but also with concrete ideas
- The EC summarizes the state of play of EuroHPC, including the timing of the first meetings of the Governing Board (6 November and 6&7 December) and the main decisions it will take. A short overview of the future R&I and infrastructure acquisition priorities was presented as well with a selection of calls that will have to be agreed in terms of content and funding with EuroHPC participating states. The integration of technologies must be more focussed now and linked to the EPI initiative to secure a viable path for a European exascale solution. An additional call for CoEs may be published in the e-INFRA work programme for 2020 (still under discussion with the Horizon2020 committees).
- National competence centres on HPC (associated to Supercomputing Centres) has been identified as one priority by Member States: the aim of these centres is broader than the exascale R&I and use, in terms of e.g. addressing business needs and type of users with no previous experience in HPC.
- A question was raised about the practical funding for projects under EuroHPC, where Union and national funding will contribute. It was clarified that the initial model is ECSEL, however, practical details will be decided at the first Governing Board meetings. The total envelope of MS

funding will be depend on the involvement of participating states in the different activities of the JU. This is also true for the integrating exercise of European technologies through EPI. The EC will from now on depend more on Participating States to leverage their national funding.

- The work for the preparation of the R&I programmes in the next Multiannual Financial Framework of the EU (i.e. Horizon Europe, Digital Europe) will start middle of next year.
- The ETP chair presents the ongoing activities of the different CSAs in supporting the HPC communities and ecosystem through EXDCI-2, HPC-GIG, etc. and also at international level with BDEC. ETP will also be present at SC18 showcasing European HPC strategy and projects. The next HPC summit in Poland in 2019 will have the brand of EuroHPC.
- A question was raised about the role of applications in the future strategy of EuroHPC in view of the need for long term support to scale-up to exascale. EC reassured that applications will remain a strategic priority for the co-design with technology suppliers. In addition, it will be important to extend the reach of current CoEs to increase the representations of EU-13 MSs, compatible with the 25 participating states in EuroHPC.

Actions:

- EC to send info to ETP4HPC about timing and process to terminate cPPP – letter should be sent early 2019
- EC and ETP4HPC+BDVA to meet in November to discuss about the input to the future R&I Advisory Group of EuroHPC (in charge of the WP 2019-2020)