RISC2: A network for supporting the coordination of High-Performance Computing research between Europe

Description

High-Performance Computing (HPC), used to be promoted mainly by the big science and defence communities. However, with the recent advent of AI and IoT, wider use of HPC is bringing new benefits to areas such as industry, healthcare and the economy. All regions now see intense investments in HPC as an essential in order to compete globally. In this context, coordination and capacity sharing between allied regions is crucial.

The RISC2 project will gather eight key European HPC actors, and the main HPC actors from Brazil, Mexico, Argentina, Colombia, Uruguay, Costa Rica and Chile, to encourage stronger cooperation between their research and industrial communities on HPC applications and infrastructure deployment. The project will be advised by an external Board made up of distinguished experts from Latin America and Europe. RISC2 will promote exchange of best practice through meetings, workshops and training, organised to coincide with majorHPC events in Europe (like ISC and EuroHPCSW) and in Latin America (like CARLA and ISUM).

RISC2 will build on the already strong relationships of the consortium partners; on the results of the previous RISC project, and on the use of platforms like the EllaLink Subsea Cable (https://ella.link/). The main project deliverable will be a cooperation roadmap aimed at policymakers, the scientific community and industry, identifying key application areas, HPC infrastructure and policy requirements, and exploring ways for the activities established during the project to last beyond its lifetime. RISC2's activities and results will be disseminated widely through dedicated project communication tools and will take advantage of existing platforms such as Campus Iberoamerica. The training carried out in the project will help capacitate Latin American HPC, and the structured interaction between researchers and policymakers in both regions will reinforce links and help define a coordinated policy and a clear roadmap for the future.

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