

High-Performance Computing Infrastructure for South East Europe's Research Communities

HP-SEE, High-Performance Computing Infrastructure for South East Europe's Research Communities will link existing and upcoming HPC facilities in South East Europe in a common infrastructure, and it will provide operational solutions for it. As a complementary action, the project will establish and maintain a GÉANT link for Southern Caucasus. The initiative will open the South East European HPC infrastructure to a wide range of new user communities, including those of less-resourced countries, fostering collaboration and providing advanced capabilities to researchers, with an emphasis on strategic groups in computational physics, computational chemistry and life sciences. HP-SEE receives EC support through FP7 under the "Research Infrastructures" action.

The HP-SEE initiative builds on the lasting cooperation in the SEE region, embodied in a number of eInfrastructure EC-funded initiatives, aiming at equal participation of less-resourced countries of the region in European trends. The SEEREN initiative established a regional network and the SEE-GRID initiative the regional Grid, while BSI project has established GÉANT link to Caucasus. The SEE-LIGHT project is working towards establishing a dark-fibre backbone that will interconnect most National Research and Education Networks in the Balkan region.

HP-SEE aspires to contribute to the stabilisation and development of South-East Europe, by overcoming fragmentation in Europe and stimulating eInfrastructure development and adoption by new virtual research communities, thus enabling collaborative high-quality research across a spectrum of scientific fields.

