

Scientific computing in the coming decade: trends and collaboration opportunities for Europe and Asia

Thursday, 25 March 2021 09:40 (40 minutes)

The presentation will provide a perspective on how distributed computing has been instrumental to make groundbreaking scientific discoveries possible, and how the opening of computing infrastructures at international level has been effective in delivering unprecedented compute capacity and advance data analytics tools to international research collaborations.

The presentation will provide examples of the enormous scientific impact produced by the international collaboration of cyber infrastructures in all continents, and will explain the federated organisational model adopted by European countries to leverage national ICT investments and mobilise them through the EGI Federation, and the paradigm shifts that need to be embraced to effectively support the digital needs of science in the coming decade.

The presentation will offer an overview of the present and future technical and organisational challenges of data-driven research in various scientific domains and the opportunities of collaboration that these challenges offer to Europe and Asia.

Presenter: Dr FERRARI, Tiziana (EGI Foundation)

Session Classification: Keynote Speech