Gauss Centre for Supercomputing

The Centres

GCS combines the three largest national supercomputing centres, the High Performance Computing Center Stuttgart, Jülich Supercomputing Centre, and Leibniz Supercomputing Centre, Garching/Munich into Germany’s foremost supercomputing institution.

GCS MISSION

Scientists and engineers in countless fields have come to increasingly rely upon high-performance computing (HPC) to help solve complex scientific challenges. The GCS is dedicated to fostering scientific discovery by providing German and European researchers access to state-of-the-art HPC resources as well as the highest level of HPC expertise, services, and support.

The Gauss Centre for Supercomputing’s primary goal is fostering scientific discovery through access to high-performance computing (HPC) resources as well as the sustained development of computer-aided scientific research in Germany and Europe by providing the highest level of HPC expertise, services and support, as well as state-of-the-art HPC resources.

To ensure a leading role in the European HPC community, GCS developed a multifaceted mission:

- Provision of state-of-the-art supercomputing resources featuring complementary system architectures to ensure the continual development of computer-aided science in Germany.
- Open access to GCS systems for all scientists and researchers through a peer-review process focused on evaluating a proposal's technical and scientific merit.
- In-depth user support for scientists and researchers across all disciplines, personalized to fit the specific needs of the individual user.
- High-level education and training for current, past, or prospective users to ensure the most efficient use of GCS HPC resources.
- Continually attracting and retaining highly qualified scientists and engineers by offering state-of-the-art HPC system infrastructures, services and support.
- Supporting Germany’s leading position in the realms of scientific and industrial research in fields ranging from automotive research, medicine, climate and environment, fundamental research, and astronomy, among others.

Details

- https://www.gauss-centre.eu/