Gauss Centre for Supercomputing

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.

The Centres

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

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- Bavarian State Ministry of Science and the Arts
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Details

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