Request for Computing Resources on the Goethe-HLR

Research Title

1. Scientific field of the research group

1.1 General research topic, preliminary work

Overview of the topic of research and already achieved results by the group

1.2 Publications

List of most important publications of the research group in the last five years (author, title, journal, volume, page, year)

2. Description of current and planned projects, justification of the requested resources at the Goethe-HLR

2.1 Current research

Short description of current research projects (if applicable, grant agency), which is the basis for the need of the Goethe-HLR resources, concise description of the state-of-the-art in direct relation to the projects planned at the Goethe-HLR

2.2 Planned Research

Summary of the planned projects with involvement of the Goethe-HLR, with following information:
 Scientific question
 Goal of the research
 Methods and algorithms to be used

  2.2.1 Project 1...
  2.2.2 Project 2...

2.3 Necessity of the Goethe-HLR

Statement demonstrating the need to use the Goethe-HLR with its specific capabilities and resources.

2.4 Users of the research group

List of the group members that require access to the computer

2.5 Joint research activities with third parties

Usage of the computer in joint research projects with other institutions (MPG, FhG, Helmholtz, …) or industrial partners

2.6 Requested resources

Requested computing resources by the research group over one year in units of CPU-Core Hours (definition see below) and GPU Hours, specifically:

- total CPU-Core Hours

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- total GPU Hours
- typical duration of a job
- typical number of cores per job

Note: the adopted accounting unit CPU-Core-Hour implies 4,.7 GB RAM. If you require more RAM memory, the number of CPU-Core-Hours will be scaled accordingly
File storage is available per user: 10 GB on /home (backup) and 5 TB on /scratch (no backup). The available storage per user can be increased on request temporarily

3. Contact Information

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