

Fact sheet on applications for GCS/LRZ computing time projects on SuperMUC-NG

1. Prospective users can apply for computing time on SuperMUC-NG. Depending on the demand of compute time, there are two different ways for the application:
 - Applications for **Large-Scale Projects** requiring **35 million core hours** and beyond in a one-year time frame can apply twice a year at defined periods of time. The dates for the next call can be found on the [GCS webpage](#). The call deadlines are strict, thus, applications submitted after the call deadline will be rejected.
 - Applications for **Regular (<35 Mio)** and Test Projects (<100,000) can be submitted any time via the following link:

<https://jards.gauss-centre.eu/gcshome/application>

Applications are accepted *online only*; applications via email *will be rejected*.

2. Scientists with a **huge computing time** demand are explicitly **encouraged** to apply for a **GCS-Large Scale** project. If the application is not granted as a GCS-LS project, it is automatically considered as a regular SuperMUC-NG project. Therefore, there are no disadvantages for the applicants submitting a large-scale project.
3. **Eligible** for application are scientists employed at universities or research facilities **in Germany**; the nationality of the applicant ("Principle investigator, PI") does not play a role. Applicants from other **European countries** may only apply for compute time on SuperMUC-NG via [PRACE](#). The PI of a project must have a proven scientific record (preferable a PhD or comparable degree) and must be able to successfully accomplish the proposed tasks.

4. System Overview

SuperMUC-NG:	
Avail. core-h	300 million core hours
Processor	Intel Skylake, 48 cores/node
Nodes/Memory	6336 Thin/96GB + 144 Fat/768GB
Total cores	311,040
Interconnect	Intel OmniPath 100 GB/s

5. Remarks

LRZ will introduce a new usage model for SuperMUC-NG. These changes will apply for SuperMUC-NG, while the usage model for the old SuperMUC will be kept unchanged for the rest of its lifetime (end of 2019). In the new model, each user will have only one user account on the system but the account can be member in multiple projects. To get this model up and running, all users will need to obtain a new single user account on SuperMUC-NG.

For continuation projects, users will have to copy data from SuperMUC to SuperMUC-NG by themselves.

LRZ is moving its documentation to a new system:

<https://confluence.lrz.de/display/PUBLICDRAFT/SuperMUC-NG>.

However, the documentation for SuperMUC-NG is not yet completed, so please look regularly for updates.

6. For the preparation of the requested project description, please use the *use the template* which is available in in [Word](#), [LaTeX](#) and [PDF](#) and adhere to the [guidelines](#) given on the GCS webpage. Since the templates may change from call to call make sure to use always the latest version using the links above. Please be aware, that the size of the description is **limited to 18 pages** (font size 12pt) and **60 MB**. In case you apply for a project extension, please also upload the status report (max. 10 pages) as a separate file (PDF). Please *use the template*, which is available in [Word](#), [LaTeX](#) and [PDF](#).
7. Further details are given on the [SuperMUC-NG web site](#).