



Quick Reference Card for University of Bonn

Guidelines for the Application, Approval and
Allocation of HPC-Resources at University of Bonn

<https://www.hpc.uni-bonn.de/en>
document created by <https://hpc.dh.nrw>

Access Conditions	Access to the university's HPC system, bonna, can be granted to members of the University of Bonn as well as external users (e.g. members of other universities and collaboration partners) in the context of research projects. Internal as well as external applicants have to specify a responsible PI at the University of Bonn. Granted access will be time-limited according to the applicant's employment situation.
Project Preparation	Please provide a short project description and, if possible, an estimate of required resources, e.g. Core-h, memory, etc.
Proposal Submission	Requests can be submitted via the online form available at https://www.hpc.uni-bonn.de/en/hpc-infrastructure/bonna .
Formal Evaluation	The team of the HPC/A-Lab will check formal aspects of your application and contact the specified PI to verify the request. If questions or problems arise, you will be contacted.
Technical Review	The HPC support team will check technical aspects (required resources, software, etc.) of your application.
Scientific Review	This phase does not apply for this HPC.NRW compute center.
Resource Allocation and Monitoring	Fair-share allocation: Jobs are assigned a priority depending on the recently used compute resources (Core-h). User accounts are associated to fair-share quotas of (possibly multiple) research groups. Thus, no user-specific fair-share quotas are assigned.



Quick Reference Card for University of Bonn

Guidelines for the Application, Approval and
Allocation of HPC-Resources at University of Bonn

<https://www.hpc.uni-bonn.de/en>
document created by <https://hpc.dh.nrw>



Glossary of Terms and Definitions

Core-h A core-hour (Core-h) is a unit used for the accounting of compute cluster resources. One core-hour equals one CPU core being used for the duration of one hour of execution time. The latter is always measured as the elapsed wall clock time from the job start to the job finish and not as the actual CPU time. For exclusively scheduled jobs (i.e., jobs using the complete node), the used core-hours usage are always equal to the total number of CPU cores on the allocated nodes times the execution time, regardless of the actual number of node slots allocated to the job.

HPC High-performance computing.

PI The principal investigator (PI) is responsible for all legal and scientific aspects of a project as well as project application and the project execution. He/She has to be a professor or junior professor at a university. Exceptions to this rule are possible but have to be justified in the project proposal. He/She has to make sure that citizens of countries that are subject to the export control policy of the German Federal Government have an additional authorization from the German Federal Office for Economic Affairs and Export Control (BAFA) before they are allowed to use the compute resources of the project.