



bw | HPC - S5



UNIVERSITÄT
HEIDELBERG
ZUKUNFT
SEIT 1386



universität
uulm

universität freiburg



University of Stuttgart
Germany



ESSLINGEN
UNIVERSITY

Compute time projects@HoreKa

M. Armbrecht, H. Ibrahim

KIT, SCC

■ Outline

■ Types

■ Stages

- Submission

- Admission

- How to improve your application

- Extensions

- Deprovision

■ Conclusion



■ What you will learn in this course and why do you need it?

- What kind of projects we offer
 - How you can apply for compute time at HoreKa
 - How you can improve your submission
 - How you can get help
-
- **Get access as fast as possible to start your jobs**
-
- **Material: <https://indico.kit.edu/event/5463/>**

■ Links

- <https://www.nhr.kit.edu/application.php>
- <https://fels.scc.kit.edu/project/>
- <https://www.nhr.kit.edu/userdocs/horeka/login/>
- <https://jards.nhr-verein.de/>

- "NHR-project-review" <project-review@nhr.kit.edu>



■ Types of projects

Project category	Duration	Extendable	Min. Requested Resources	Max. Requested Resources	Review	Call
NHR Normal	1 year	yes	2.000.000 CPUh / 30.000 GPUh	14.999.999 CPUh / 199.999 GPUh	2x Scientific	Rolling
NHR Large	1 year	yes	15.000.000 CPUh / 200.000 GPUh	70.000.000 CPUh / 1.000.000 GPUh	2x Scientific + NHR Steering Committee	Quarterly

Project category	Duration	Extendable	Effectively Granted Resources	Review	Call
NHR Test	6 months	no	500.000 CPUh / 5.000 GPUh	Technical	Rolling
NHR Starter	1 year	no	360.000 CPUh / 10.000 GPUh	Technical	Rolling
AI Fast Track	1 year	no	380.000 CPUh / 20.000 GPUh	None	Rolling

NHR Starter only available for first time applicants

■ Submitting Procedure @NHR (1)

NHR@KIT

Home > Resources & Applications > Application for computing time

Application for computing time

The NHR@KIT Center provides level 2 high-performance computing resources. The resources are allocated on a **project** basis according to a joint science-led procedure.

Who is eligible to apply? ▾

Application for computing time via NHR-JARDS ▾

Project categories ▾

Deadlines ▾

Templates for detailed project descriptions ▾

Project reviewing ▾

Project report ▾

Project extension ▾

Acknowledgement ▾

■ Submitting Procedure @NHR (2)



Electronic project application system for NHR

Start Page

Welcome to JARDS, please choose if you want to create an application or review submitted applications.

Applications

Please select an application kind to create an application. If you do not yet know which project category and/or NHR-center are appropriate for you, please first refer to the information on the [NHR website](#).

Select Appkind *

Please select a category ▾

- Please select a category
- NHR Starter
- NHR Test/Preparation
- NHR Normal
- NHR Large

Open Applications

category is intended for applicants without experience with the application procedure high performance computing, and without deeper background knowledge of high ting. Your application will be assigned to one of the NHR centers, from where you nd limited HPC resources for use for one year. The goal is easy access, and to enable submit a successful proposal in the Normal or Large project categories.

2. **NHR Test/Preparation Projects:** This project category is mainly used to prepare an application; it can

■ Submitting Procedure @NHR (3)



Application for Computing Time on the NHR@KIT Compute Cluster
Category: Test

Application No.: 20905
Project extension: no
Application for computing time from 01.09.23
to 29.02.24

```
*****  
*                                     *  
*           Contact Information       *  
*                                     *  
*****
```

Principal Investigator

■ Submitting Procedure @NHR (4)

- Register yourself at FeLS: <https://fels.scc.kit.edu/>
- Check your personal data and contact your IT if necessary
- Provide us with EPPN
- Wait for approval notification

■ Submitting Procedure @NHR (5): Work group creation

■ Visit <https://nhr.kit.edu/application.php>

■ Follow the Guide

Home > Infrastructure > System Access

Apply for a Compute Project

The NHR@KIT Center provides level 2 high-performance computing resources. The resources are allocated on a **project** basis according to a joint science-led procedure.

The templates for project description or a guide for final report can be found further down.

If you're already familiar with the process and only need to create a new application or review submitted ones in the project application system (NHR-JARDS), please follow the link:

→ NHR-JARDS

Who is eligible to apply? ▾

[Application for computing time via NHR-JARDS](#) ▲

■ Send FeLS-ID to project-review@nhr.kit.edu

■ Admitting Procedure @KIT

- PI create FeLS group and add members
- Technical approval
- Conditional approval
- (Final) approval

■ Hints to improve your application (1)

- Check your spam folder regularly
- Do not hesitate to contact us
- You can register with FeLS long before submitting a proposal
- Stick to our templates!
- Refer to the projectID we give you in every message

■ Hints to improve your application (2)

- Adding coworkers?
 - Older projects: Have them register at FeLS, fill out and sign the access form and provide us with their EPPN
 - New projects: Add them by your own in FeLS
- Keep an eye on the overall energy consumption
- Check if BAFA approval for coworkers is needed and contact us if unsure

Make our work easier to get your approval faster!

■ Reviews

- Submit your reviewer list
- Give us keywords and DFG domains on your research interests (not necessarily related to your application)
- Too busy? Let us know for how long!

■ Extensions (only for normal and large projects)

- Short extension: 3 months resp. 25 % resources; „technical review“
 - Can be done through JARDS (preferred) or by email
- Normal extension: up to 1 year resp. more than 25 % resources; scientific reviews
- New application through JARDS
- Amount resources granted

■ Deprovision

- Resources will be zeroed
- Inform us if you want to extend your project before deprovision notification
- Deprovision notification with a reminder for your report
- Collect your data! We guarantee storage for up to 3 months, everything will be deleted after this period

■ Conclusion

- Do not hesitate to contact us:
 - Mail: project-review@nhr.kit.edu
 - Support portal: <https://nhr-helpdesk.scc.kit.edu>
- Stick to our templates!
- Collect your data once your project is over

■ Questions and Feedback

We are more than happy to hear any remarks from you.

You can also contact us via project-review@nhr.kit.edu or through our support portal <https://nhr-helpdesk.scc.kit.edu>