

# 11th HPC Café

07.11.2025



# Agenda HPC Café – 07.11.2025

Topics for today:

- **NHR JARDS application process**
- **Maintenance in Dec 2025**
- **Upcoming HPC Café**
- Discussion and open floor

As usual this format is meant to be interactive.  
Don't hesitate to ask questions!

## NHR JARDS application process

Getting your compute time project running



# Overview

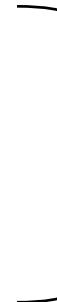
- Choose the right category
- Log in to NHR JARDS and follow instructions
- Submit signed application form
- Create workgroup



Applicant

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- Technical Review
- Conditional approval
- Scientific Review
- Verdict
- Approval



NHR@KIT Team

# Project Categories

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

Project category	Duration	Effectively Granted Resources	Review	Call
NHR Test	6 months, not extendable	500.000 CPUh / 5.000 GPUh	Technical	Rolling
NHR Starter	1 year, not extendable	360.000 CPUh / 10.000 GPUh	Technical	Rolling
AI Fast Track	1 year, not extendable	380.000 CPUh / 20.000 GPUh	None	Rolling

<https://www.nhr.kit.edu/application.php>

# NHR JARDS

<https://jards.nhr-verein.de/>

## Select the NHR Center

Please select an [NHR Center](#) for your computing time project. Feel free to contact [info@nhr-verein.de](mailto:info@nhr-verein.de), if you do not yet know which center fits best to you.

NHR Center Selection \*

Please select the NHR Center

- Please select the NHR Center
- NHR4CES@RWTH (Aachen)
- NHR4CES@TUDa (Darmstadt)
- NHR@ZIB (Berlin)
- NHR@TUD (Dresden)
- NHR@FAU (Erlangen)
- NHR@Göttingen (Göttingen)
- NHR@KIT (Karlsruhe)
- PC2 (Paderborn)
- NHR@Süd-West (Frankfurt, Mainz)

## 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 categor

Open Applications

### Project Categories

- 1. NHR-Starter:** This category is intended as a one-time opportunity for applicants without experience in the application procedure for resource use of high performance computing, and without deeper background knowledge of high performance computing. Your application will be assigned to one of the NHR centers, from where you will receive advice, and limited HPC resources for use for one year. The goal is to provide easy access and to enable you to subsequently 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 also be used to test whether the system is suitable for the research project. Approval of the projects usually takes a few days. The application includes only essential information to set up the project. These projects are severely limited in duration and/or resources.
- 3. NHR-Normal:** Projects with moderate resource requirements fall into this category. In addition to the essential information establishing the project, the project application includes a brief description of the scientific project and a justification of the resource needs. Resources are allocated by a scientific committee at the respective NHR center.
- 4. NHR-Large:** This project category is intended for projects with very large resource requirements. Because a single project here occupies a large part of the system, special attention is paid to efficient use of resources during the review and approval process. Resources are allocated by the NHR Nutzungs-ausschuss based on the decision of the Scientific Panel at the respective NHR Center.

# Create a FeLS Group

## My Projects

You can manage projects as a Principal Investigator (PI) at this point.

« < > »

Name ↑↓

No records found.

« < > »

[Create new project](#)

Create a new project. You can manage this project yourself and request access to resources.

[Back](#)

## Service usage for project: hpc-cafe-test

ID: 126241912

Name: hpc-cafe-test

Choose services:

- bwSync&Share
- LSDF Online Storage
- HoreKa
- Gitlab am KIT
- JupyterTest
- VPN-Zugang zum Landesverwaltungsnetz (LVN)

Services:

Select the services you want to use in your project. By clicking on the button, the request is submitted to a project admin of the respective service for review and approval.

# Review process

- Technical review: done by NHR@KIT team
  - Check for template, eligibility, resources
- Scientific reviews: done by external scientific experts
- Verdict: done by steering board member
  
- Conditional approval: test project resources
- Approval: full cluster access

## Hints

- Never hesitate to contact us: [project-review@nhr.kit.deu](mailto:project-review@nhr.kit.deu)
- Unsure about project category: go for test
- Message us:
  - FeLS Group ID
  - After first login to HoreKa
- Check your spam folder

# Upcoming HPC Cafés



## Next HPC Café

- 02.12.2025, 10:00
- Suggestions for topics?
- HPC Café in 2026
  - Day of the week tbd (survey will be distributed)
  - Topics? Also student talks are welcome ☺