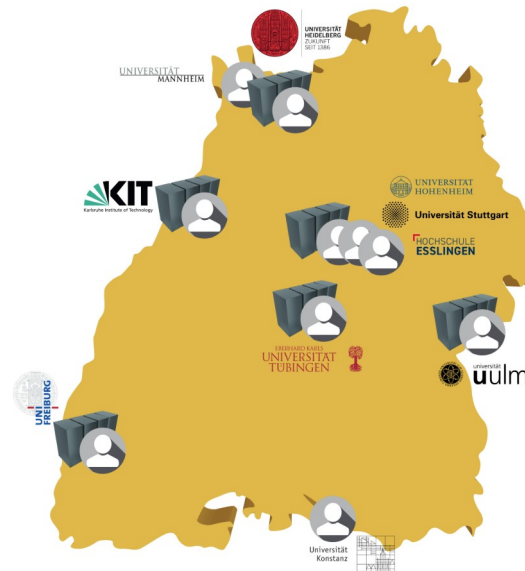


Compute time projects@HoreKa

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KIT, SCC



Outline

- Types
- Stages
 - Submission
 - Admission
 - How to improve your application
 - Reviews
 - Extensions
 - Deprovision
- Conclusion



Types of projects

Project category	Duration	Min. Resources	Max. 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
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
AI Fast Track	1 year, extendable	- / -	380.000 CPUh / 20.000 GPUh	None	Rolling

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 ▾

Open Applications

Please select a category

NHR Starter

NHR Test/Preparation

NHR Normal

NHR Large

category is intended for applicants without experience with the application procedure high performance computing, and without deeper background knowledge of high computing. Your application will be assigned to one of the NHR centers, from where you and 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

Gender: m
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Submitting Procedure @NHR (4)

- Eligibility: PI must be affiliated with a German university (e.g. Max Planck etc.: NOT eligible!)
- 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 @KIT

AI fast track (1)

- Register yourself at FeLS: <https://fels.scc.kit.edu/>
- Check your personal data and contact your IT if necessary
- Follow steps: <https://www.nhr.kit.edu/english/604.php>
- Wait for approval notification
- Note: only limited amount of AI fast track projects per quarter

Submitting Procedure @KIT AI fast track (2)

The screenshot shows a web browser window with the URL `https://fels.scc.kit.edu/project/`. The page header includes navigation links: `Imprint`, `Data privacy`, `KIT`, and `English`. Below the header is a navigation menu with `Index`, `Registered services`, `Services`, `Admin`, `Group admin`, and `Project admin`. A blue banner with a network diagram and the text `Federated Login Service` is positioned below the navigation menu.

My projects

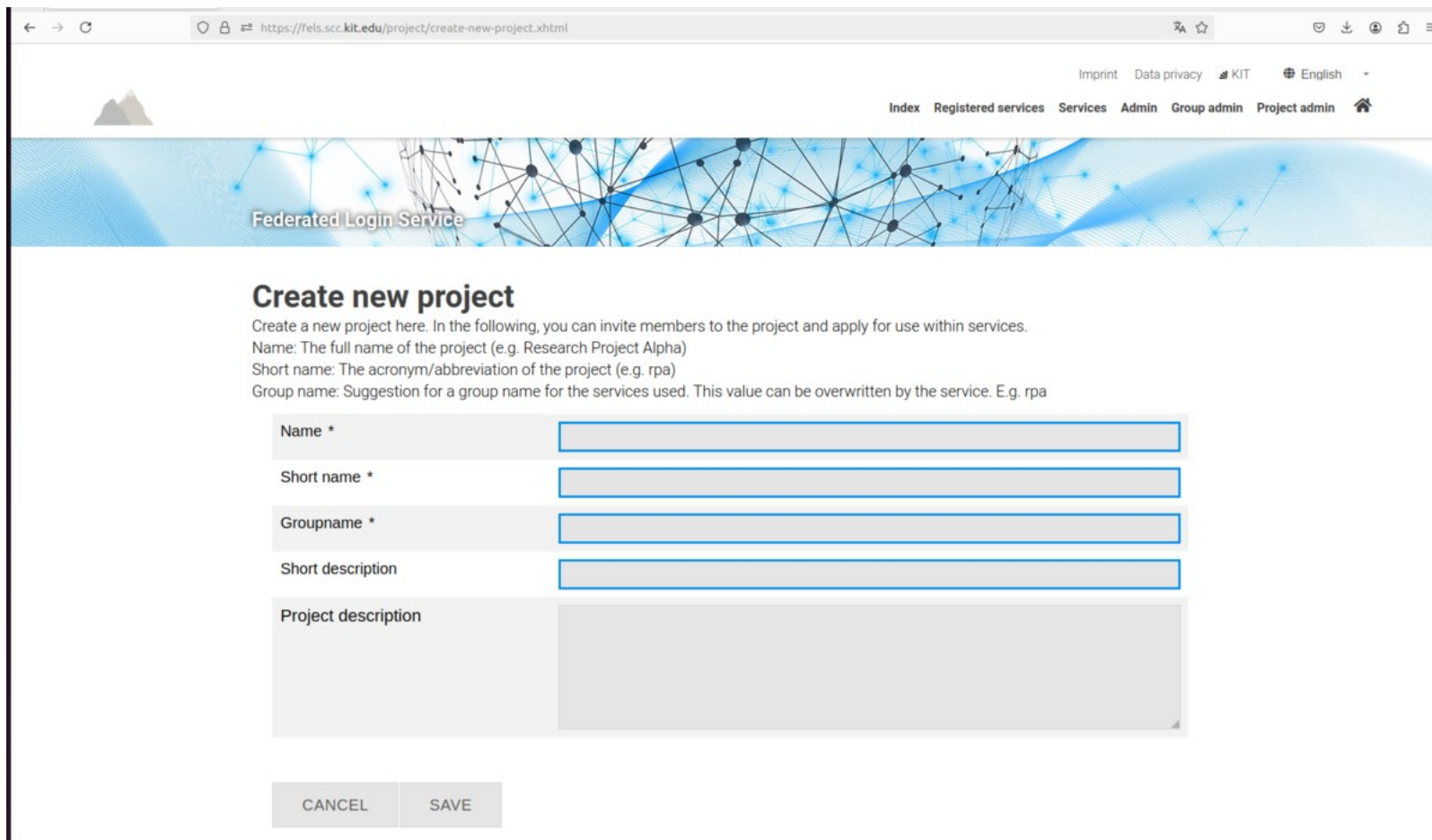
You can manage projects as a Principal Investigator (PI) at this point.

Name
testing4
tetsing2

[Create new project](#) Create a new project. You can manage this project yourself and request access to resources.

[Back](#)

Submitting Procedure @KIT AI fast track (3)



The screenshot shows a web browser window with the URL <https://fels.scc.kit.edu/project/create-new-project.xhtml>. The page header includes navigation links: Imprint, Data privacy, KIT, English, Index, Registered services, Services, Admin, Group admin, and Project admin. A banner for 'Federated Login Service' is visible. The main content area is titled 'Create new project' and contains the following instructions and form fields:

Create a new project here. In the following, you can invite members to the project and apply for use within services.
Name: The full name of the project (e.g. Research Project Alpha)
Short name: The acronym/abbreviation of the project (e.g. rpa)
Group name: Suggestion for a group name for the services used. This value can be overwritten by the service. E.g. rpa

Name *

Short name *

Groupname *

Short description

Project description

Submitting Procedure @KIT

AI fast track (4)

Browser address bar: <https://fels.scc.kit.edu/project/show-local-project.xhtml?id=106527349>

Header: Imprint Data privacy KIT English

Navigation: Index Registered services Services Admin Group admin Project admin

Banner: Federated Login Service

Local project: testing project

ID:	106527349
Name:	testing project
Groupname:	testing_project
Services:	

Connect with service	Here you can request the use of a resource for your project.
Invite members	Invite members for your project. The invitation is done via an email with an invitation code.
Delete project	Opens a new page on which the project can be deleted.

[Back](#)

Project members

Name	Surname	Given name	Type
No records found.			

Project admins

Name	Surname	Given name	Type
------	---------	------------	------

Submitting Procedure @KIT AI fast track (5)

https://fels.scc.kit.edu/project/connect-local-project-to-service.xhtml?id=106527349

Imprint Data privacy KIT English

Index Registered services Services Admin Group admin Project admin

Federated Login Service

Service usage for project: testing project

Properties

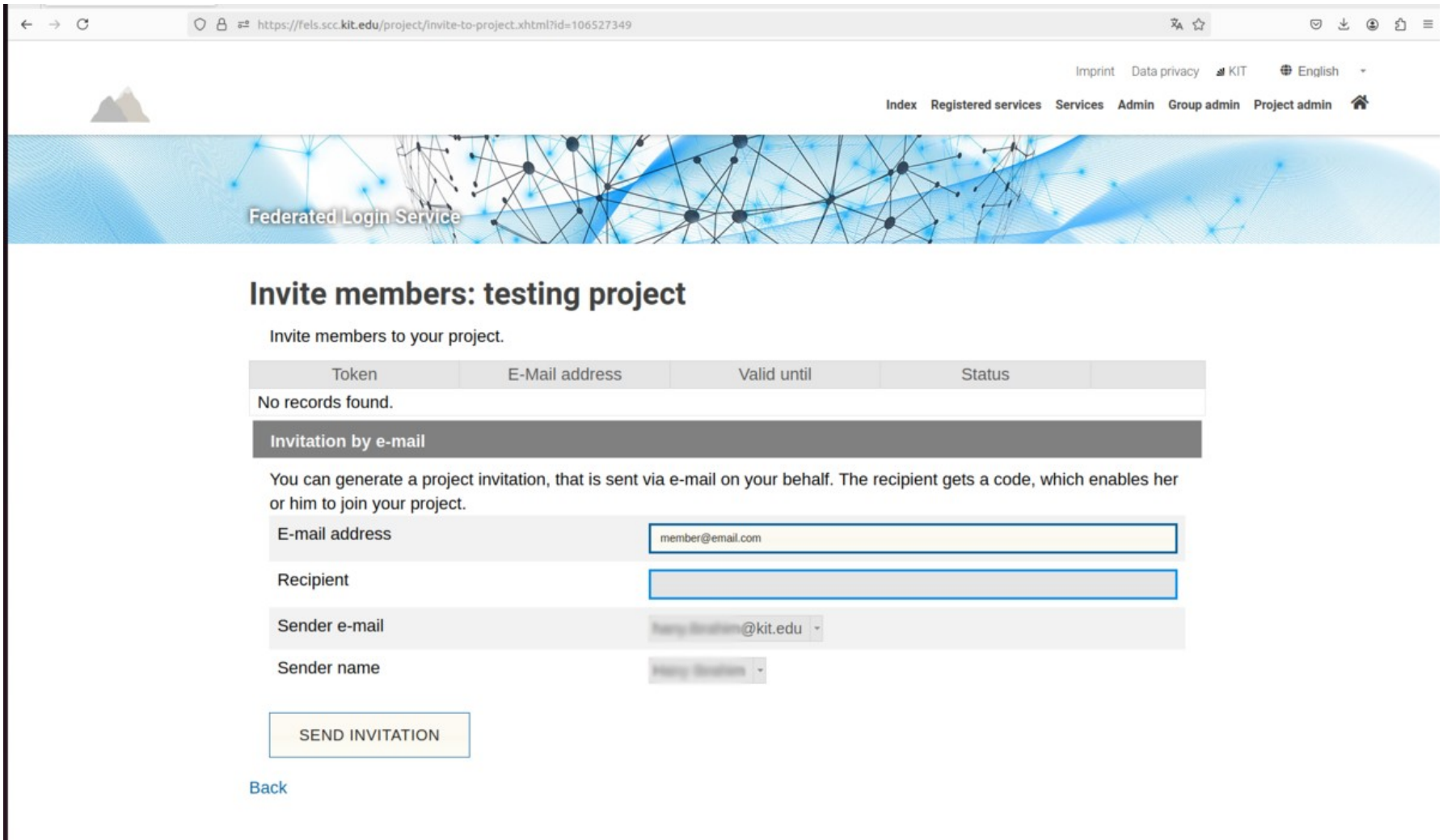
ID:	106527349
Name:	testing project
Choose services:	<input type="checkbox"/> bwSync&Share <input checked="" type="checkbox"/> HoreKa <input type="checkbox"/> Gitlab am KIT <input type="checkbox"/> JupyterTest
Services:	

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.

[SUBMIT REQUEST](#)

[Back](#)

Submitting Procedure @KIT AI fast track (6)



The screenshot shows a web browser window with the URL `https://fels.scc.kit.edu/project/invite-to-project.xhtml?tid=106527349`. The page header includes navigation links for "Imprint", "Data privacy", "KIT", and "English". A secondary navigation bar contains "Index", "Registered services", "Services", "Admin", "Group admin", and "Project admin". A blue banner with a network diagram background displays "Federated Login Service".

Invite members: testing project

Invite members to your project.

Token	E-Mail address	Valid until	Status
No records found.			

Invitation by e-mail

You can generate a project invitation, that is sent via e-mail on your behalf. The recipient gets a code, which enables her or him to join your project.

E-mail address:

Recipient:

Sender e-mail:

Sender name:

[Back](#)

Admitting Procedure @KIT

- Technical approval
- Conditional approval
- Create HoreKa group and add PI
- (Final) approval

Hints to improve your application (1)

- Test is best!
- Check your spam folder regularly
- Do not hesitate to contact us
- You can register with FeLS long before submitting a proposal

Hints to improve your application (2)

- Stick to our templates! Remove anything in angular brackets
- Refer to the projectID we give you in every message, also for older projects (not submitted through JARDS)
- Adding coworkers? Have them register at FeLS, fill out and sign the access form and provide us with their EPPN
- Adding coworkers in AI fast track? Invite them through FeLS

Hints to improve your application (3)

- Need more resources? Divide your projects in subparts!
- Keep an eye on the overall energy consumption
- Keep an eye on third party funding of your project!
- Send a notification after first log in to HoreKa, so we can set the resources

Make our work easier to get your approval faster!

Reviews

- Submit your reviewer list, but not from your department or shared projects in the last ~12 months (or shared publications you cite in your proposal)
- Reviewers preferred with german affiliation
- Give us keywords and DFG domains (Version 2020-2024)[1] on your research (not necessarily related to your application)
- Too busy? Let us know for how long!

[1] <https://www.dfg.de/resource/blob/175336/46d0a8c5c14d0f6530da28b4d25bf589/fachsystematik-2020-2024-en-grafik-data.pdf>

Extensions

(only for normal and large projects)

- Short extension: 3 months resp. 25 % resources; „technical review“
- Normal extension: up to 1 year resp. more than 25 % resources; scientific reviews (as for first application)
- New application through JARDS (for older projects: submit as „new“ project and refer to original project ID)
- Include report section in project description
- 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!

Conclusion

Test is best

- Projects can be divided in subparts
- Do not hesitate to contact us:
 - Mail: project-review@nhr.kit.edu
 - Support portal: <https://support.nhr.kit.edu/>
 - Or even schedule a phone call
- Stick to our templates!
- Collect your data once your project is over

Questions and Feedback

We're 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://support.nhr.kit.edu/>