HPC User and Project Administration
GCS Projects and Applications on SuperMUC-NG

Required tools for application and project administration of GCS Projects on SuperMUC-NG

GCS: Gauss Centre for Supercomputing

https://jards.gauss-centre.eu/gcshome/

GCS-JARDS: GCS Joint Application, Review and Dispatch System: Unified application and review system of the GCS centers JSC, HLRS, LRZ

Required tools for application and project administration of GCS Projects on SuperMUC-NG (SNG)

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GCS-JARDS

APPLICATION   REVIEW   PROJECT

GCS

GCS - Application for Computing Time, Proposal Review and Project Management

Welcome to the GCS service for filing applications for computing time, for reviewing computing time proposals and for managing computing projects. Please, choose what you would like to do from the following options.

Application	Review	Project

GCS-JARDS: GCS Joint Application, Review and Dispatch System: Unified application and review system of the GCS centers JSC, HLRS, LRZ

Direct login for all projects

login

help me choose

last change 13-July-2022 | Legal Notice Privacy Notice

lrz Leibniz-Rechenzentrum
der Bayerischen Akademie der Wissenschaften

SERVICEDESK-HOM

Welcome at LRZ servicedesk

Affiliated member of the LMU and TUM, please primarily contact your own servicedesk: LMU-Helpdesk or IT-Support TUM
services (Linux-Cluster and SuperMUC) can be also directly submitted here.

Selfservice

Login here if you want to subm
information and respond

Login

Selfservice

LRZ Servicedesk
with

Service Request Templates:
- New User
- Enable IP address
- Disable IP address

3

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Identity Management Portal
Kennung: l   Benutzer: Hesse, Wolfram

Management-Service

◀◀ Zurück zur Auswahl   ☰ Neue Suche

- 🏛 Einrichtung
- 🔍 anzeigen
- 🗃 Hierarchie browsen
- ⚙️ Projekt
- 🔍 anzeigen/bearbeiten
- 👤 Person
- 🔍 anzeigen
- 👤 Kennung
- 🔍 anzeigen/bearbeiten
- 👥 Gruppe
- 🔍 anzeigen/bearbeiten
- ➕ anlegen
- 📄 Dokumentation
- 📄 Master User FAQ

[→ Logout]

Dark Mode

pr58ha-d
SuperMUC-NG group for project pr58ha
SMUC-NG

✏️ Bearbeiten

Details

Gruppe

Gruppenname:	pr58ha-d
Name:	gri56rok
Dienst:	SuperMUC-NG
Anzeigename:	SuperMUC-NG group for project pr58ha
Beschreibung:	

Historie anzeigen

GruppenverwalterInnen

LRZ Identity Management Portals
1. https://idmportal.lrz.de/r/entry.pl
2. https://idmportal2.sim.lrz.de/jidmp/login.xhtml
   - more useful for SuperMUC-NG users
   - with project group administration
     e.g. <PROJECT-ID>-c, <PROJECT-ID>-d)

Overview of GCS Application for Computing Time on SuperMUC-NG

Please, choose the project type you would like to apply for or extend:

GCS Large Scale Project (next call open 10 July 2023 - 14 August 2023, 5pm CEST)

○ These are projects that require at least 2% of the systems' annual production in terms of estimated availability of at least on GCS system, i.e.

- >= 100 Mcore-h on Hawk at HLRS
- >= 45 Mcore-h on SuperMUC-NG at LRZ
- >= 45000 EFLOP per year on JUWELS at JSC

For details, please see the fact sheets of HAWK, SuperMUC-NG and JUWELS.

GCS Regular Projects

○ These are production projects which do not fall into the category "Large Scale project".

Applications for HLRS and LRZ resources possible **anytime**, for JSC resources **(next call open 10 July 2023 - 14 August 2023, 5pm CEST)**

GCS Test Projects (application possible anytime)

○ These are projects meant for performing test on the GCS member centres' high-end systems in order to prepare applications for Regular or Large Scale Projects.

GCS Timeframe Extension (application possible anytime)

○ Application for a timeframe ("cost-neutral") extension of an existing project at HLRS or LRZ.

GCS Centres

Please choose the GCS Centre(s) and system(s) you would like to apply for or extend:

☐ HLRS

☐ JSC

☐ LRZ

GCS-JARDS Application view

GCS (sub)project/application types:

Large Scale projects
- LRZ/JSC/HLRS: Fixed Date Call (spring, autumn)
- LRZ: >= 45 Mcore-h p.a.
- Mentoring as additional support

Regular projects
- LRZ/HLRS: Rolling Call (applications can be uploaded throughout the year)
- LRZ: < 45 Mcore-h p.a.

Test projects
- LRZ/JSC/HLRS: Rolling Call
- LRZ: 300K core-h

Timeframe extension (project extension without additional computing time; cost-neutral)

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☐ JSC

☐ LRZ

GCS-JARDS Application view

GCS application categories

New project application for
- Regular,
- Test or
- Large Scale

Extension/modification of existing
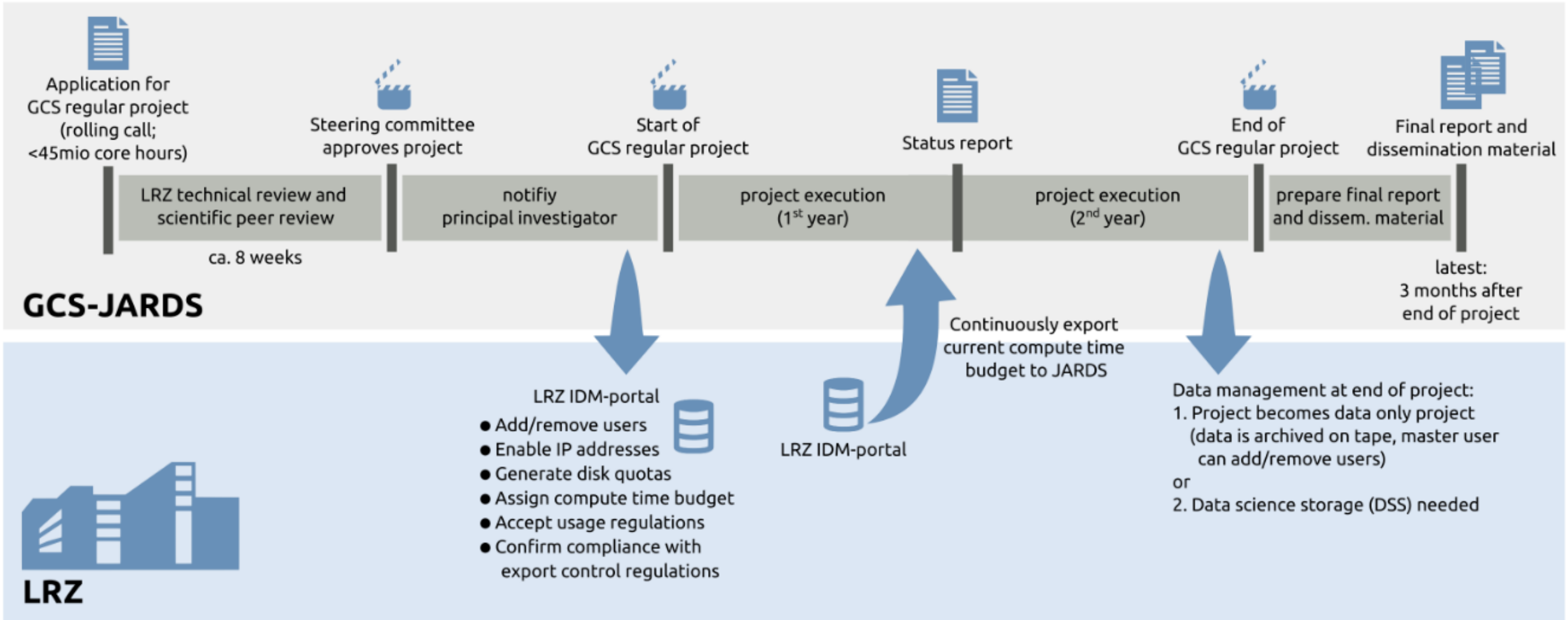- Regular,
- Test or
- Large Scale
→ local project ID at LRZ not changed
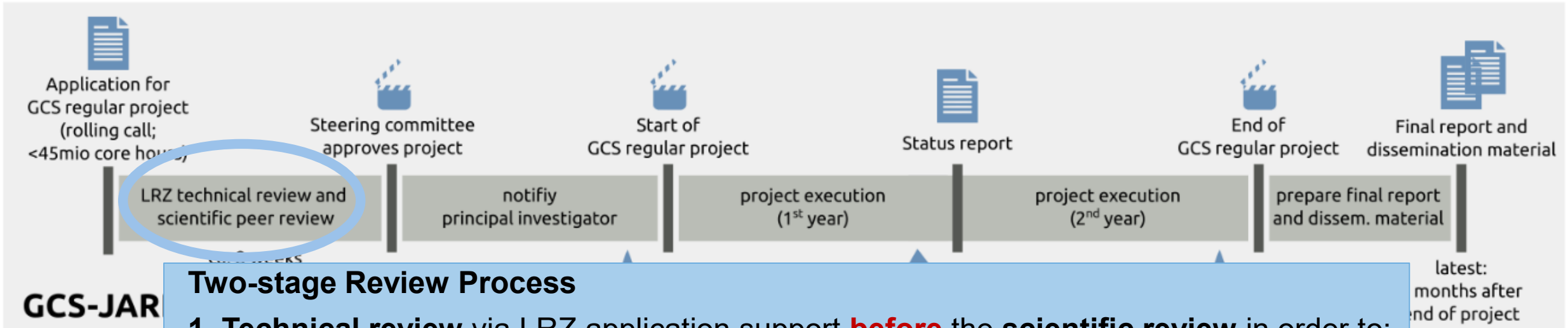→ after successful application, project may be recharged with **additional computing time**
→ change of project type possible

Typical/ideal application process for GCS **regular** projects on SuperMUC-NG

Typical/ideal application process for GCS regular projects on SuperMUC-NG

Two-stage Review Process

1. Technical review via LRZ application support **before** the **scientific review** in order to:
- **Enquiries** in case of ambiguities
- Provide additional information to the scientific reviewers
- **Advice** on any necessary changes to the project proposal and/or the actual application
- Advice to bring the project in the direction of Large Scale
- **Technical support** in case of necessary re-application
  (e.g. full copy of the application so that only parts of the existing one need to be changed)
- → Intermediate step! Revision possible!

2. Scientific review done by umpire ("Obmann") and external reviewers

→ Final decision!

Remarks to GCS-JARDS Project Overview + Upload of final Report

Project MoMoGa3

Title	Modelling Molecular Gas in Galaxies
Scientific category	311-01 Astrophysics and Astronomy
Status	Active
Principal Investigator	Prof. Dr. Cristiano Porciani
Person to Contact	Alexander Schäbe
Calls	GCSRolling2019
Local Project Id	pn98fe

👥 Modify roles 🔧 Change status ✏️ Change title 🏷️ Change scientific category ⏩ Extend Project 🔍 Extended results

Publications ⓪   **Files** ⓪

Total project resources

07.02.2020 - 31.07.2022	📄 Add report 📄
SUPERMUC at LRZ	0 / 0 core-h · Last updated: 22.07.2020
SuperMUC-NG at LRZ	5.06 / 5.00 Mcore-h · Last updated: 05.05.2023

Granting periods

07.02.2020 - 31.07.2022	💾 📄 Add report 📄?
📄 Final report	31.03.2023 18:57 ⓘ
SuperMUC-NG at LRZ	5.00 Mcore-h Regular

App ID	Title		Hosts	Call
18777	Modelling Molecular Gas in Galaxies		SuperMUC-NG	GCSRolling2019

General project information
- GCS Project-ID
- Titel
- Status
- PI/PC
- Local (LRZ) Project-ID

General note: **Role-based access**
Your project (PI,PC) is visible only for
- HPC user and project administration
- LRZ-Mentor if assigned
- Steering Committee (umpire, "Obmann")
- Very limited for PR

Possibility to:
- **Uploading public articles** (files)
- **References** to published publications
- **Uploading final project report** (GCS website)

Compute time approvals and consumption

Project/application history