LSDF-Portal: Project management for the Large Scale Data Facility

Felix Karg

February 6, 2022

Steinbuch Centre for Computing (SCC)

What is the LSDF-Portal

What is the LSDF-Portal

What is the LSDF-Portal

Overview
Project Lifecycle
Project Creation
Project Approval
Requesting More Storage

Storage management for 18PB for research projects
Based on Python/django (more on that later)
available at: lsdf.kit.edu
(my test server: lsdf.fkarg.de with user:test and admin4:lsdf)

What is the LSDF-Portal

Overview
Project Lifecycle
Project Creation
Project Approval
Requesting More Storage

- Project Creation -¿ NEW

- Project Creation -¿ NEW
- Admins take a look -¿ PENDING

- Project Creation -¿ NEW
- Admins take a look -¿ PENDING
- granted -¿ APPROVED

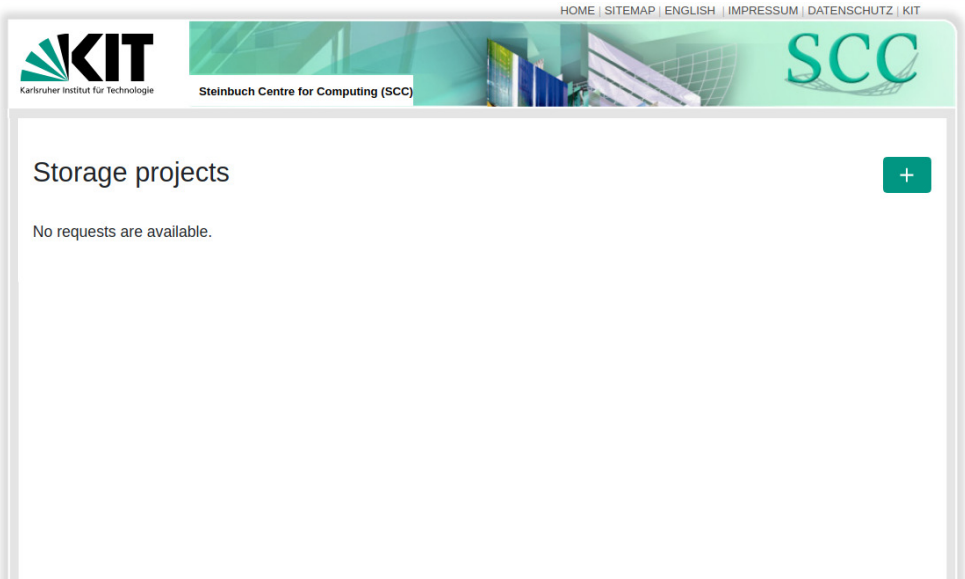
- Project Creation -¿ NEW
- Admins take a look -¿ PENDING
- granted -¿ APPROVED
- not granted -¿ REJECTED

- Project Creation -¿ NEW
- Admins take a look -¿ PENDING
- granted -¿ APPROVED
- not granted -¿ REJECTED
- done -¿ EXPIRED/DELETED

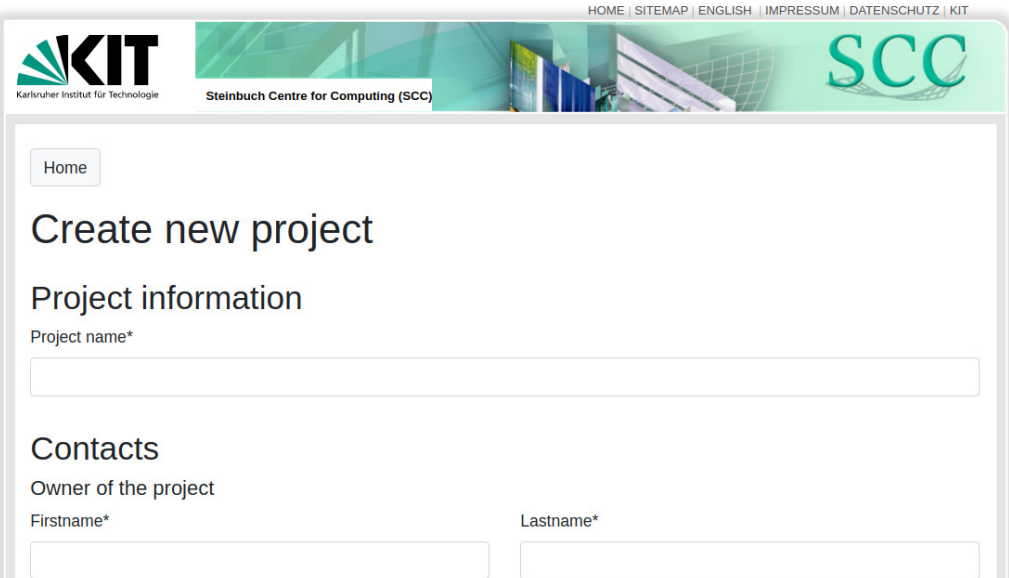
What is the LSDF-Portal

Overview
Project Lifecycle
Project Creation
Project Approval
Requesting More Storage

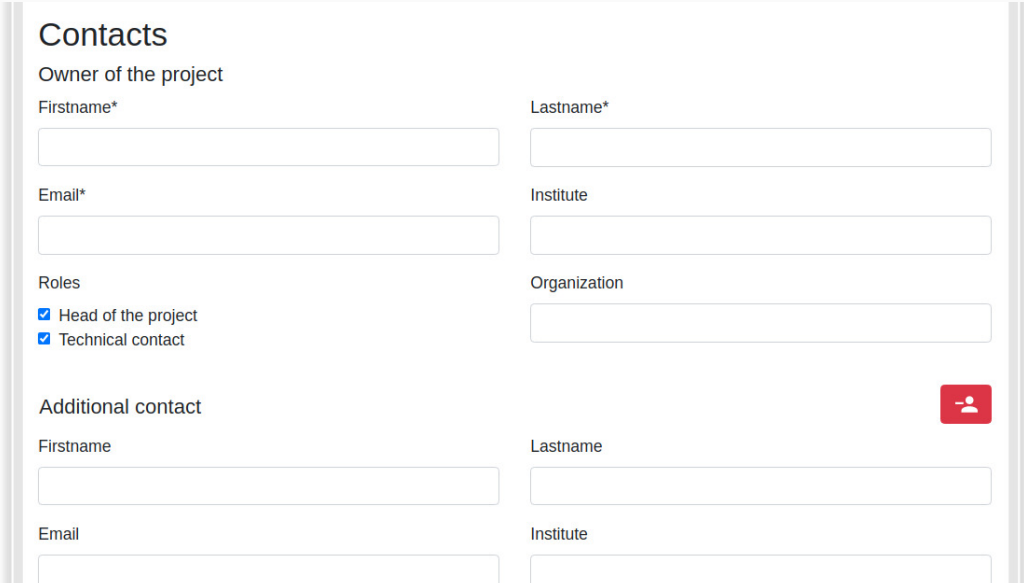
First Login


HOME | SITEMAP | ENGLISH | IMPRESSUM | DATENSCHUTZ | KIT
Karlsruher Institut für Technologie
Steinbuch Centre for Computing (SCC)
SCC
Storage projects
+
No requests are available.

Project Creation



Project Creation: Add Contacts



Available Fields

Please Specify where your project is mainly located according to the DFG Fachsystematik:

DFG Discipline*

DFG Review Board*

DFG Subject Area*

End of the project*

06.02.2023

How long you need the storage. You will be able to request an extension

Capacity*

Expected storage capacity in TB (1 TB = 1000 GB)

Directory name*

Fields filled out

Please Specify where your project is mainly located according to the DFG Fachsystematik:

DFG Discipline*

Natural Sciences (3)

DFG Review Board*

Mathematics (312)

DFG Subject Area*

Mathematics (312-01)

End of the project*

06.02.2023

How long you need the storage. You will be able to request an extension

Capacity*

15

Expected storage capacity in TB (1 TB = 1000 GB)

Submit Proposal

Protocols

- [x] SSH, SFTP, SCP, HTTPS/Web are enabled for all storage projects
- [ ] CIFS
- [ ] NFS V3 (Client needs to be connected to KIT-IDM)

Access control

Owner name*

Who should be the owner the project directory? The owner can be a KIT user (e.g. ab1234) or a KIT service account (e.g. OE-ProjectName-0001). Please, contact your ITB to create a service account.

Group name*

Which group should get access to your project directory (e.g. OE-ProjectName-LSDF)? Please contact your ITB to create a group.

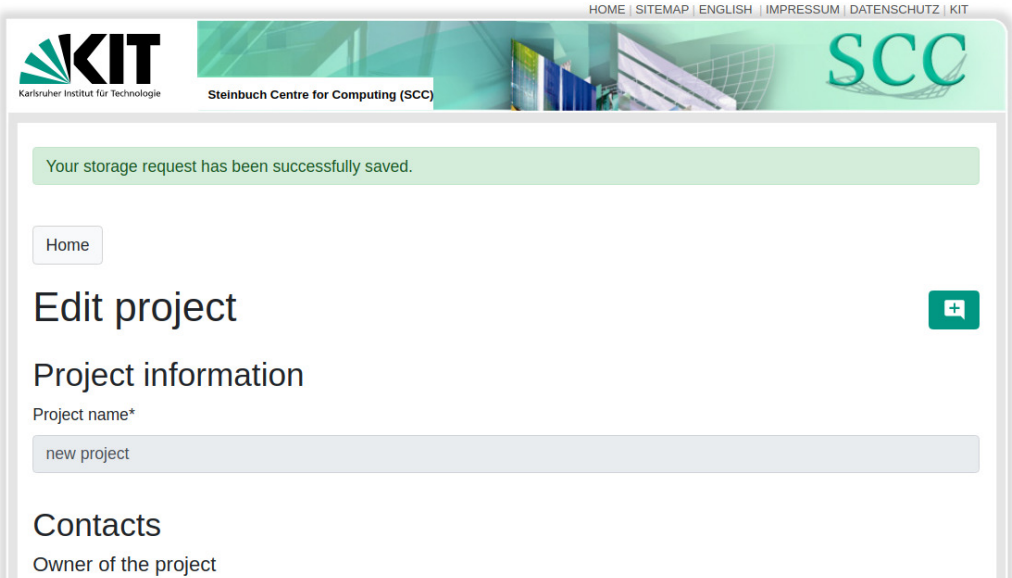
Group permission*

No permissions

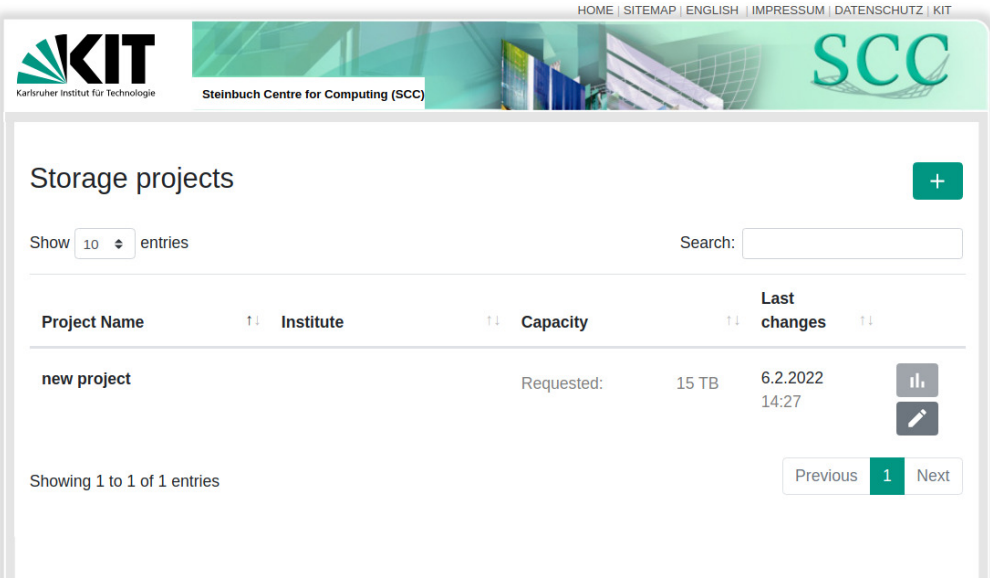
- [ ] Extended group permissions (ACLs)

Submit Storage Proposal

Succesful Submission



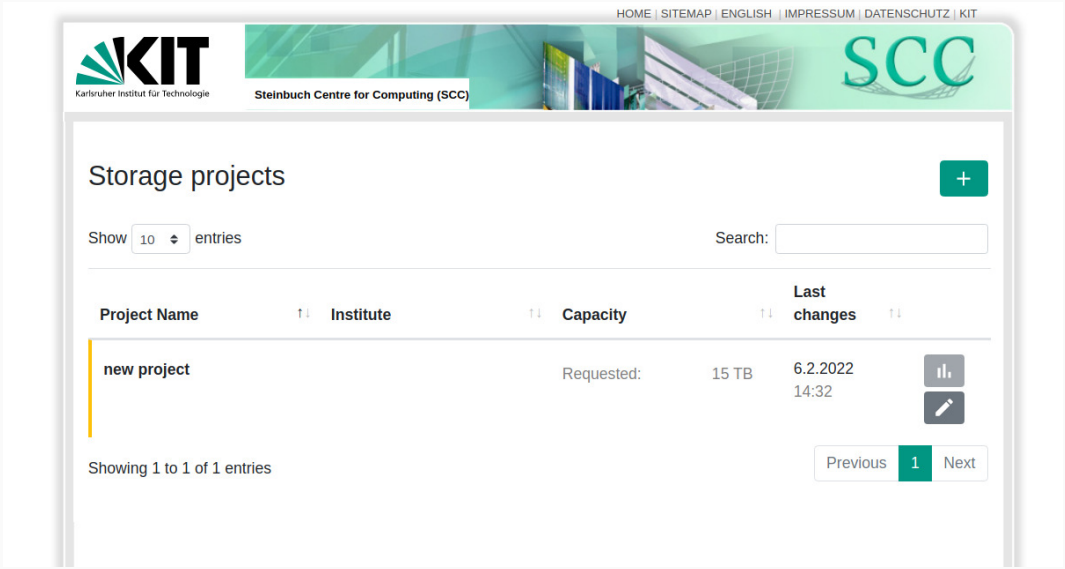
Project in List



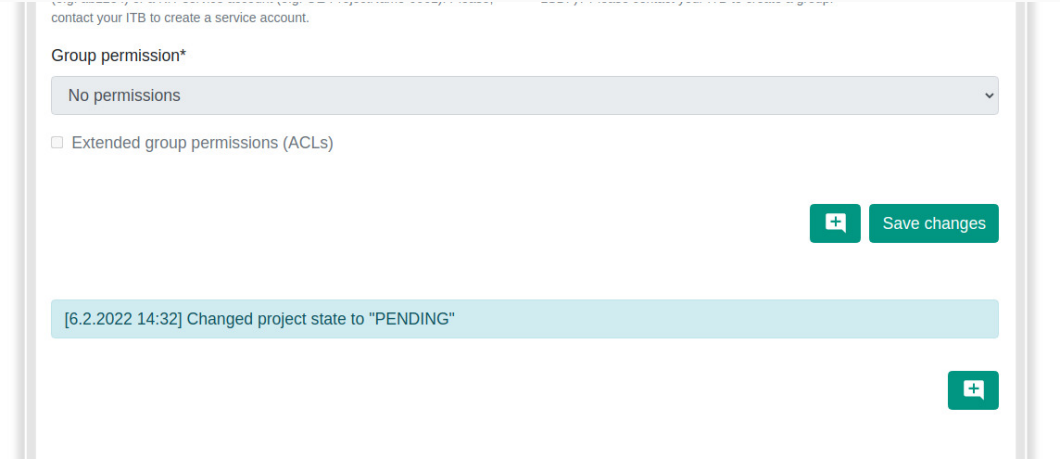
What is the LSDF-Portal

Overview
Project Lifecycle
Project Creation
Project Approval
Requesting More Storage

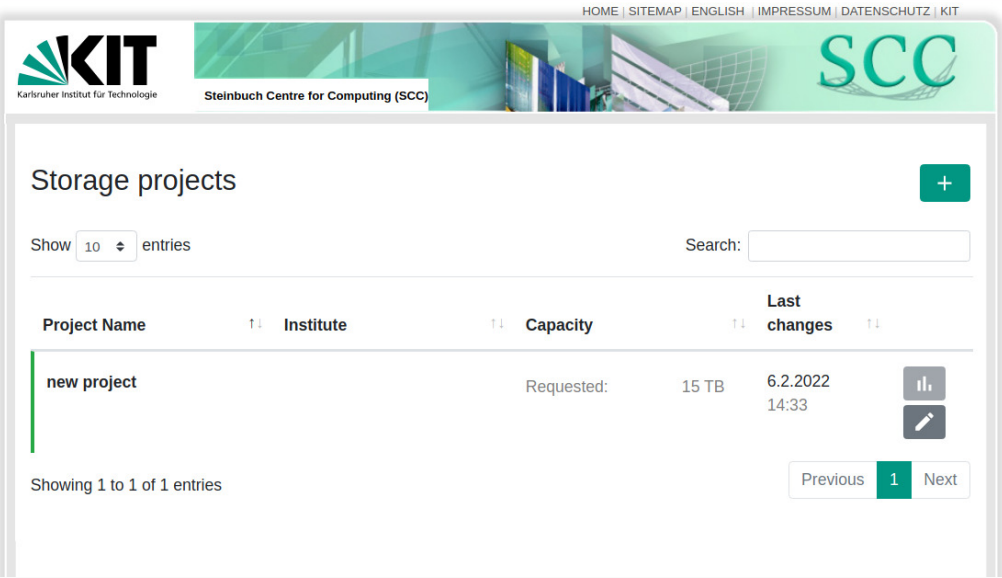
Project Pending



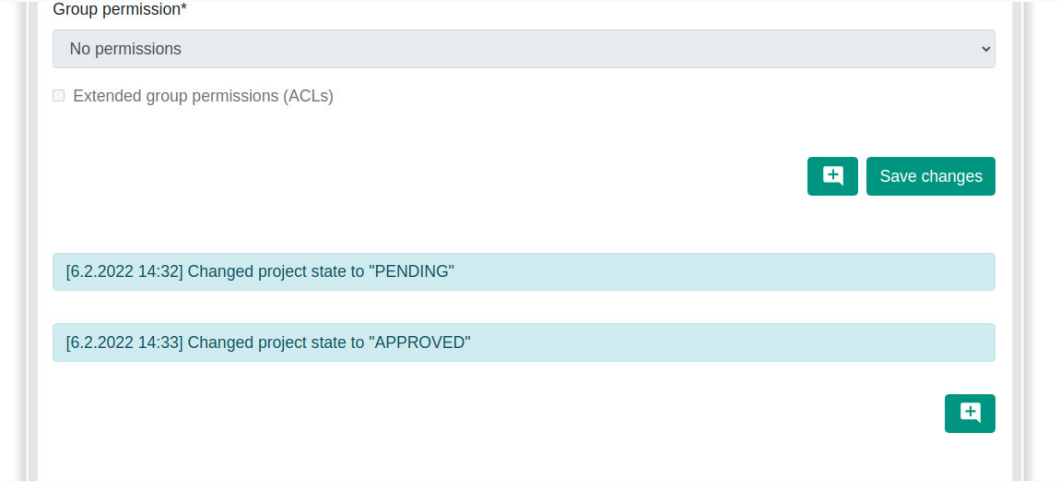
State Change Message



Project Approved



State Change Message



What is the LSDF-Portal

Overview
Project Lifecycle
Project Creation
Project Approval
Requesting More Storage

Extension Requests: The Project Needs to be Approved

DFG Review Board

Mathematics (312)

DFG Subject Area*

Mathematics (312-01)

End of the project*

06.02.2023

Request Timeframe Extension

How long you need the storage. You will be able to request an extension

Capacity*

15

Request Capacity Extension

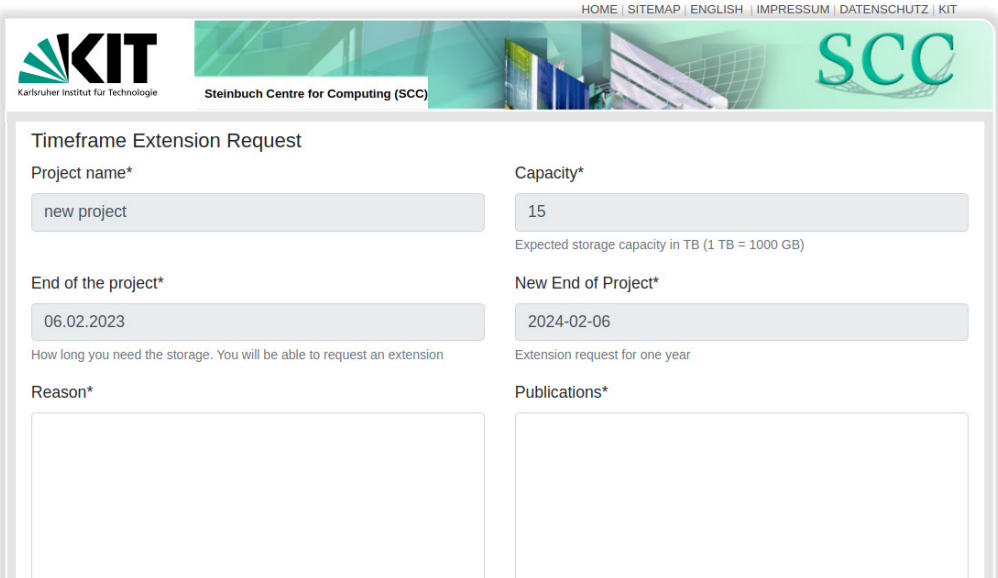
Expected storage capacity in TB (1 TB = 1000 GB)

Directory name*

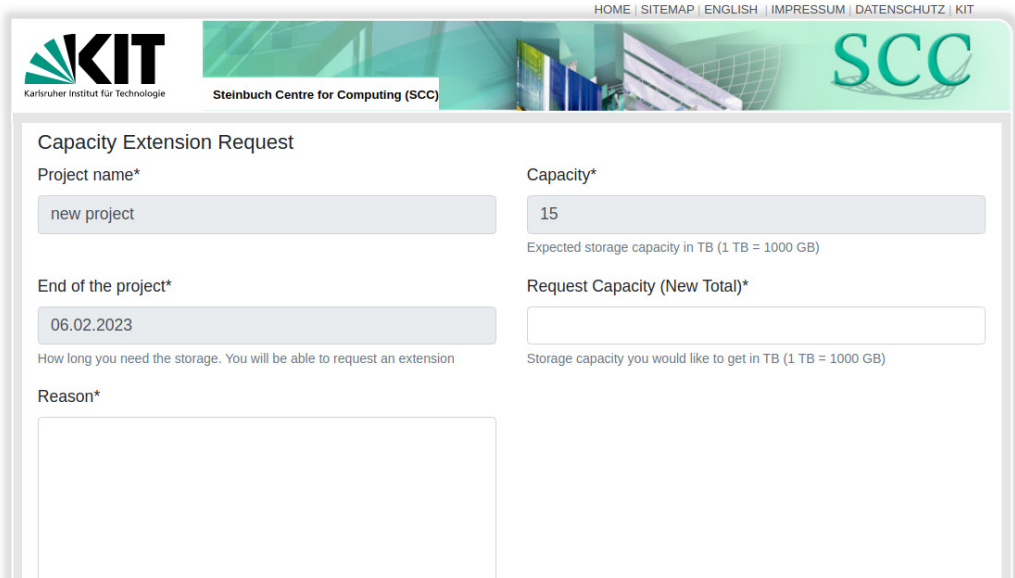
projectdirectory

What should be the name of the project directory? We recommend using a short project acronym. Allowed characters are "a-z 0-9 _ -"

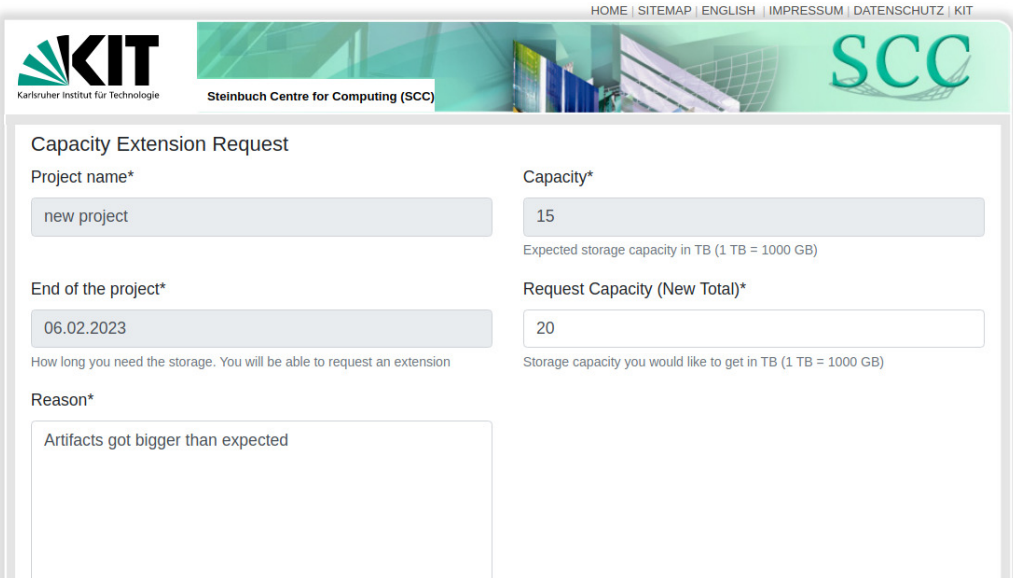
Timeframe Extension Request View



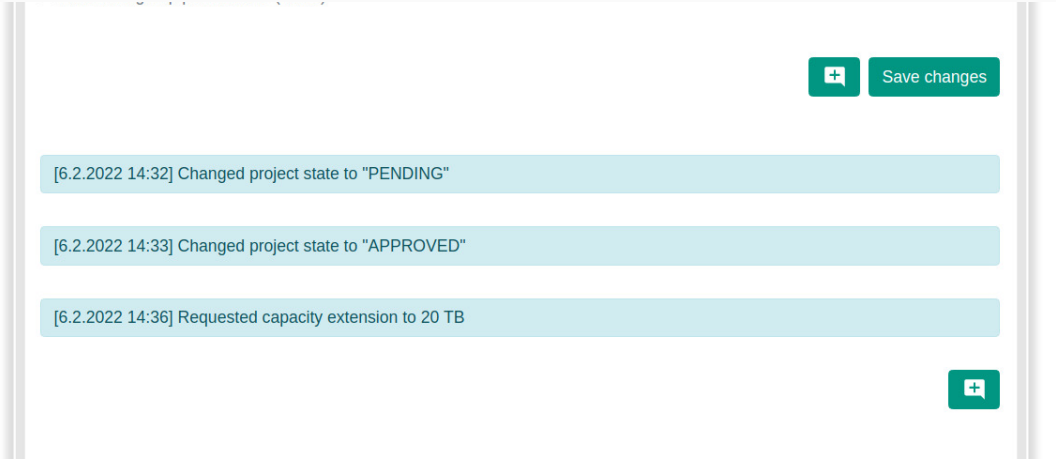
Capacity Extension Request View



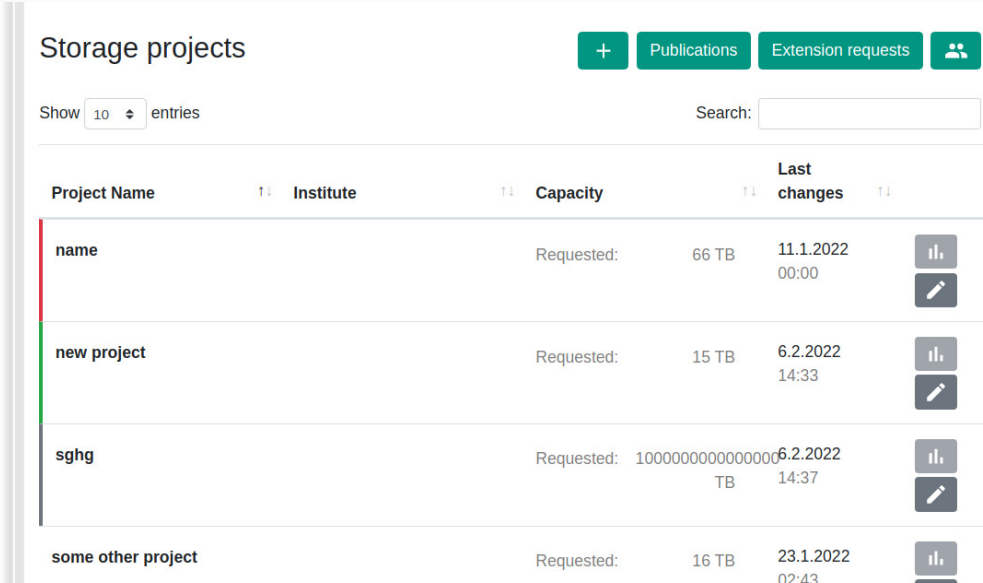
Filled out Capacity Extension



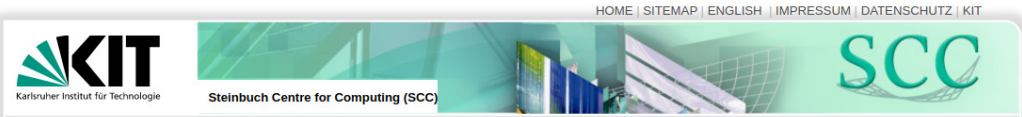
Extension System Message



Projects Admin View

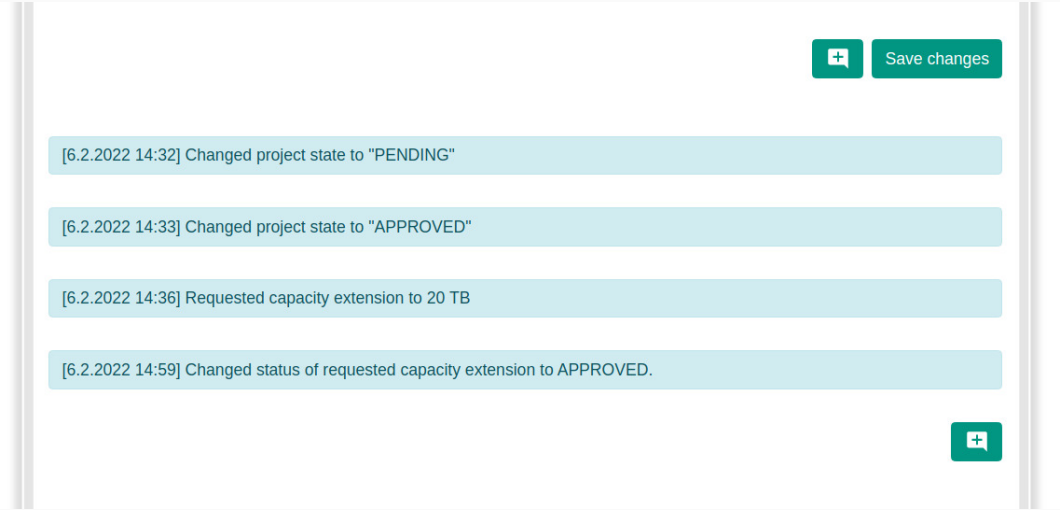


Extension Request Overview

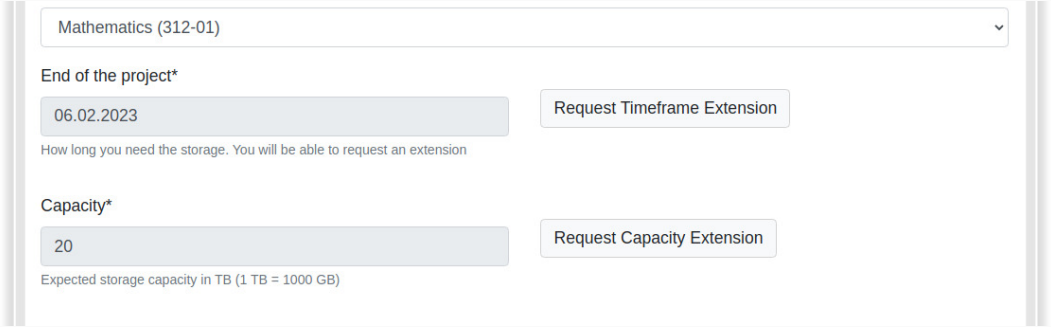


Approving Request

System Message showing Extension Approval



Increased Capacity from User View



Storage Use Histogram

(TODO: Screenshot: Histogram of storage usage.)