

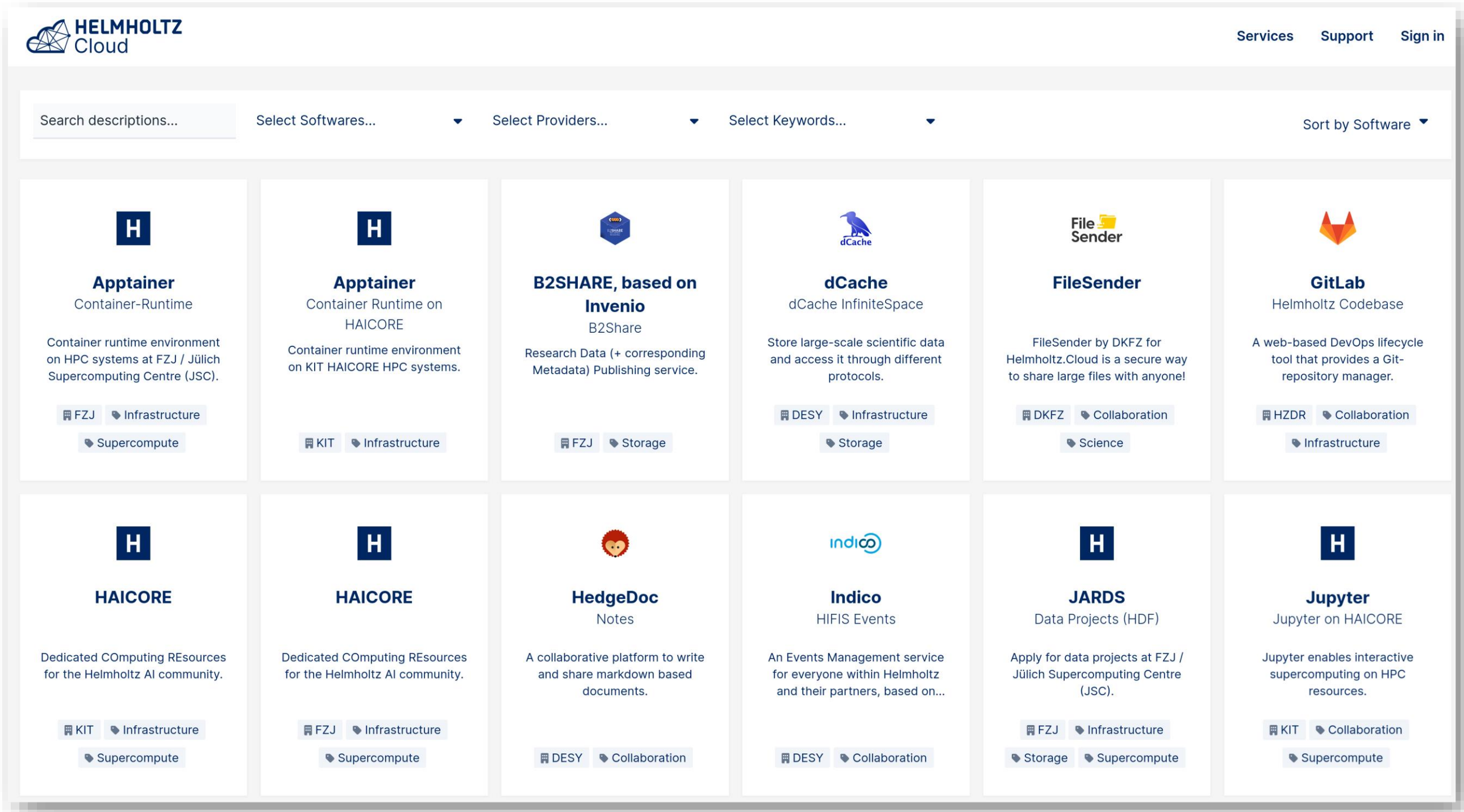
# HIFIS – Empowering Scientists with Digital Services

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## Helmholtz Cloud

Helmholtz Cloud is the federated cloud platform of Germany's largest scientific organization – the Helmholtz Association.



**Build the workflow that works for you**  
A focus of the Cloud services is to interconnect cloud services by providing support to automate service orchestration and promote better composability of existing services.

### Service Portfolio Management

The Helmholtz Cloud is built on top of process management framework to handle the lifecycle of services from the service pipeline, the service catalogue to retired services.

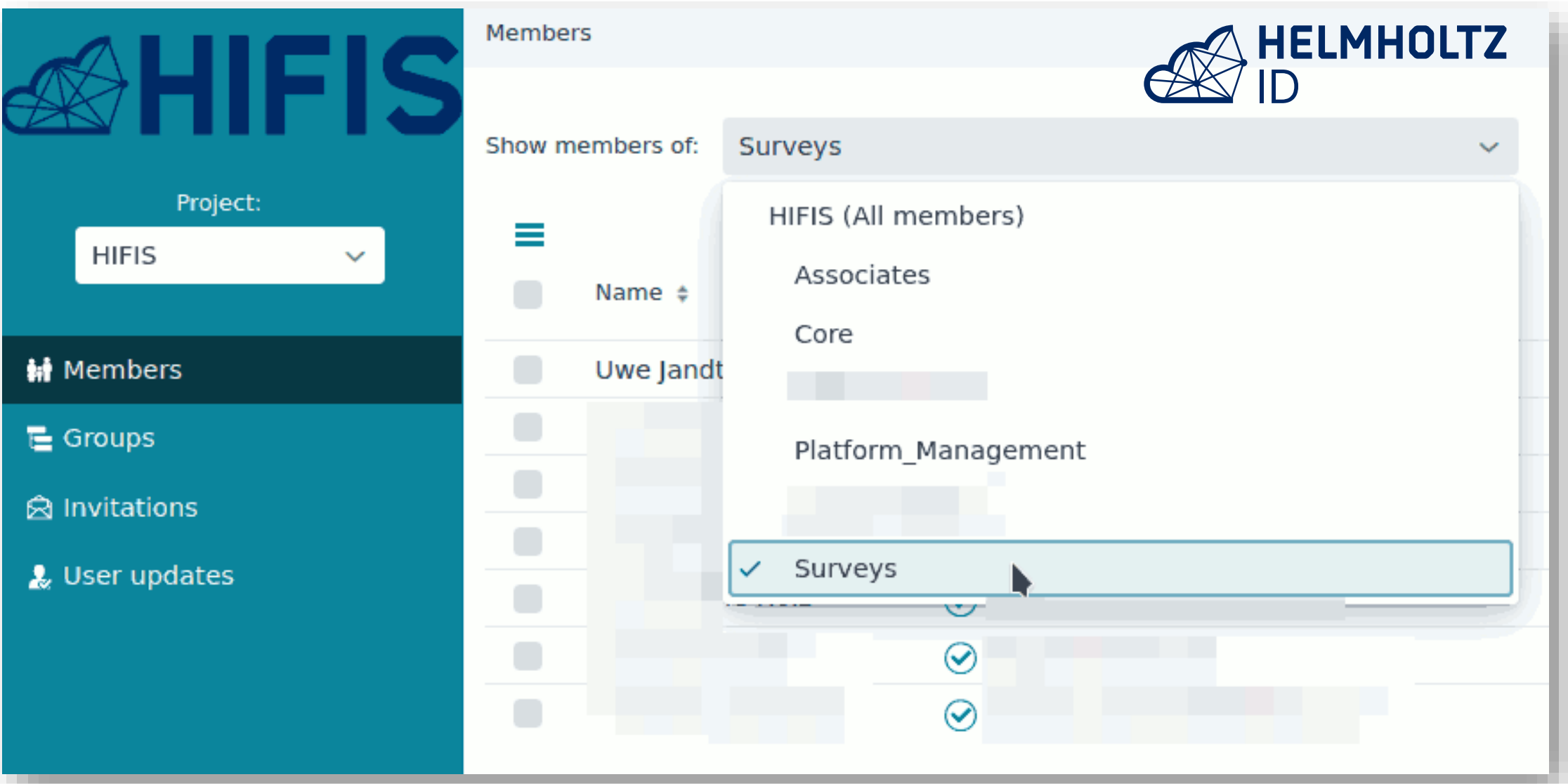


## Helmholtz ID

The Helmholtz-wide, internationally accessible authentication and authorization infrastructure Helmholtz ID enables login to all Cloud Services with known credentials of the home Helmholtz centers. Furthermore, invited guests from outside Helmholtz are also able to use Helmholtz Cloud services, e.g. via their home organization's login, or via public identity providers such as ORCID.

### Unified User & Group Management

Allows cross-institutional group management and fine-grained resource sharing via so-called Virtual Organizations (VO) Management.



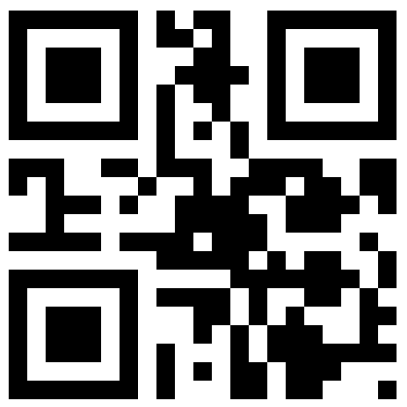
### Compatibility

Maintains compatibility with international initiatives, such as the European Open Science Cloud EOSC by using frameworks such as the AARC blueprint.



## HIFIS - Helmholtz Digital Services for Science

HIFIS fosters collaboration and facilitates integrated scientific workflows across all research fields, Helmholtz centers, external collaboration partners and Incubator platforms by offering a unified login, shared cloud services, a focus on services for sustainable Research Software Engineering, and adopting a decentral and modular approach. This stimulates innovation and knowledge exchange among the research centers.



<https://www.hifis.net>

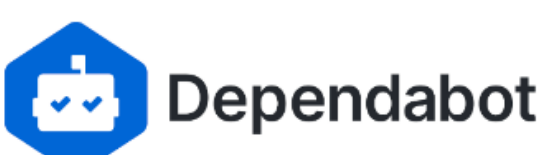
Collaboration  
made easy

## Research Software Engineering

We promote awareness for scientific software as a driver of scientific progress, and enable all people creating software at Helmholtz to apply modern software engineering principles that serve good scientific practice.

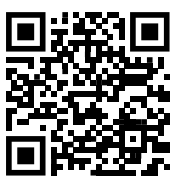
### Integrated Software Development Infrastructure

We provide a sustainable, well integrated and easy to use technology infrastructure supporting the entire software development lifecycle.



### Education & Training

We offer courses, materials and workshops to help you in getting started or to boost your software engineering practices.



<https://hifis.net/services/software/training>

### Consulting

We offer free-of-charge research software engineering consulting to research groups within the Helmholtz Association.



<https://hifis.net/consulting>

### Community: Software Award & Research Software Directory

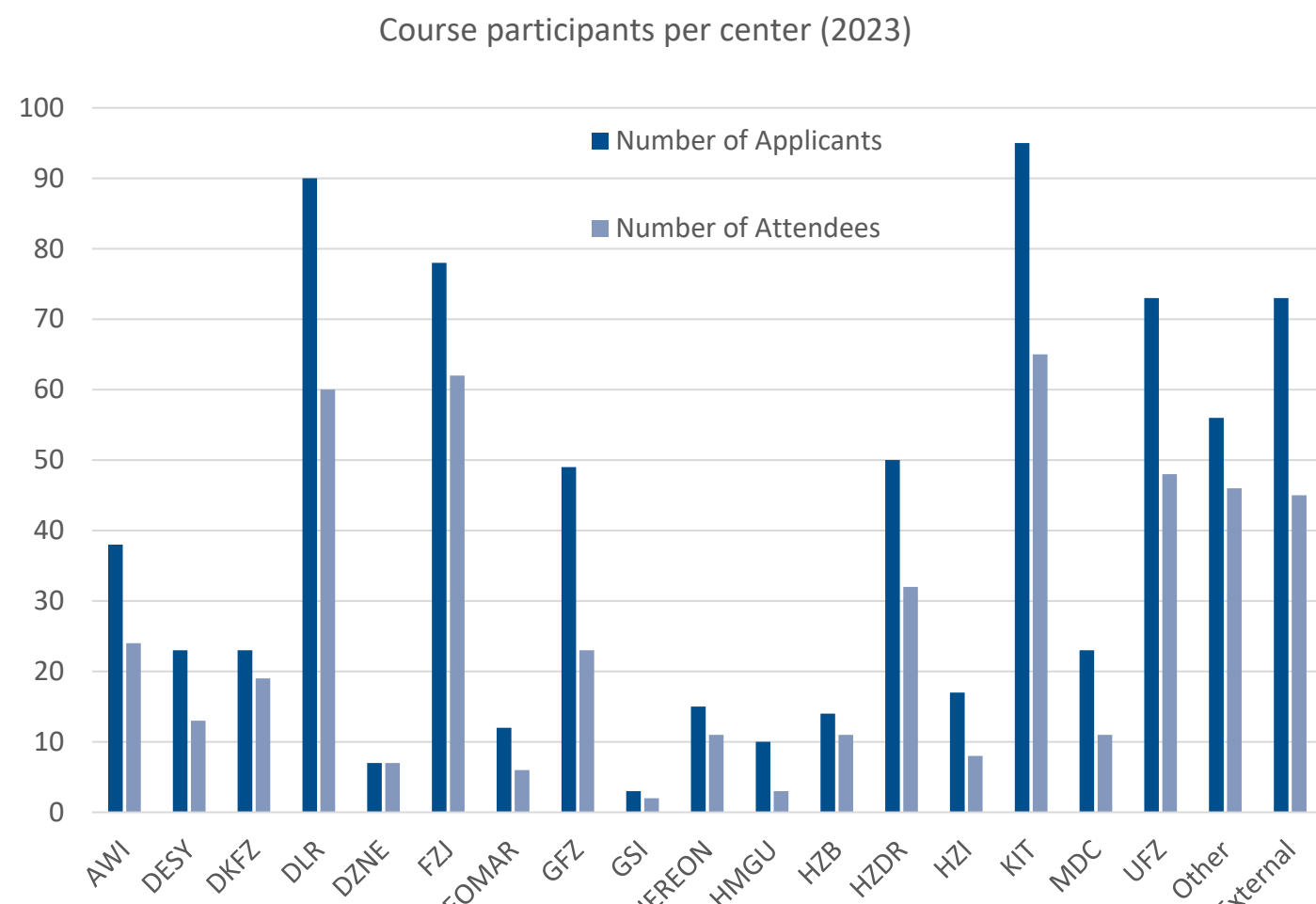
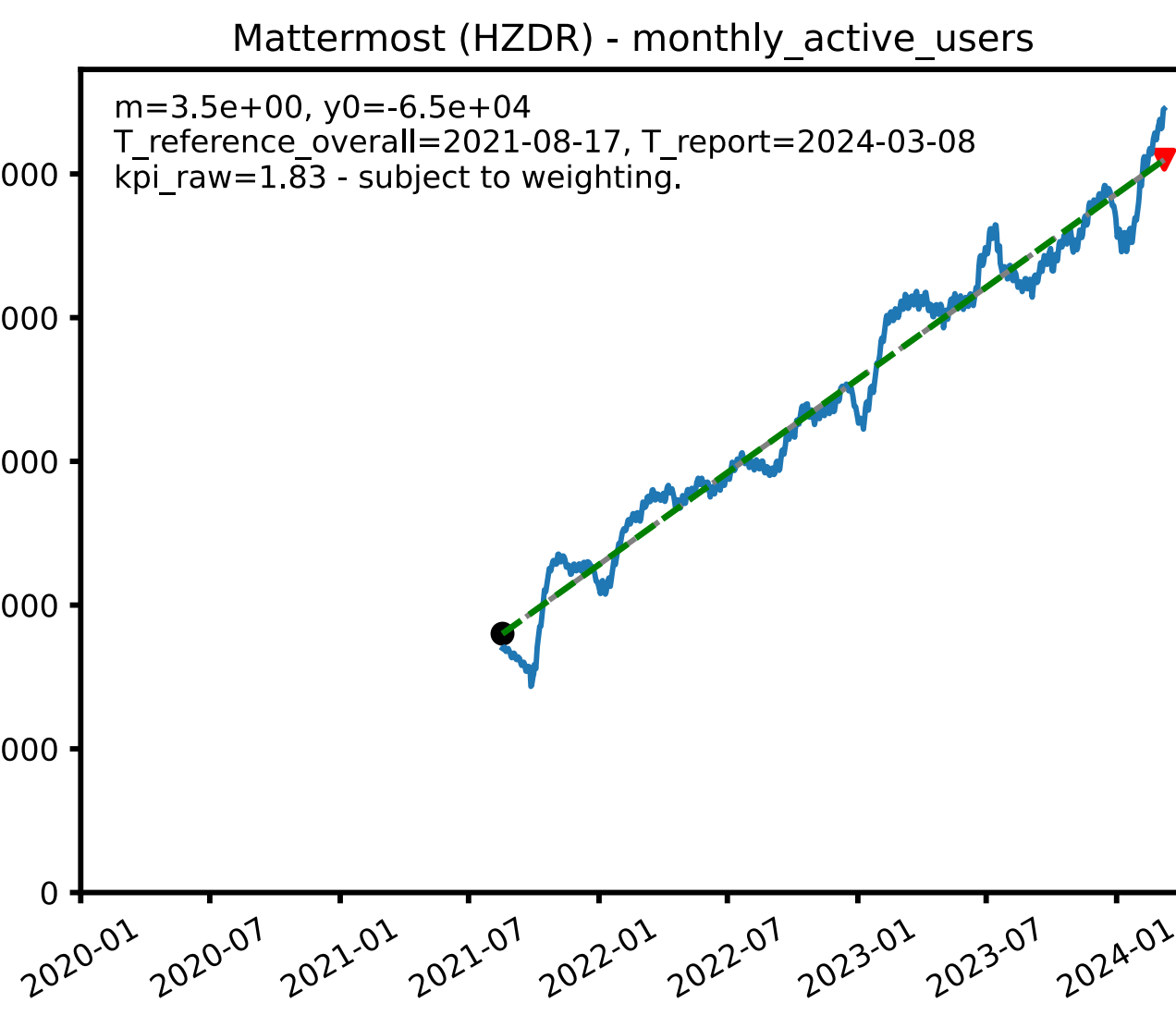
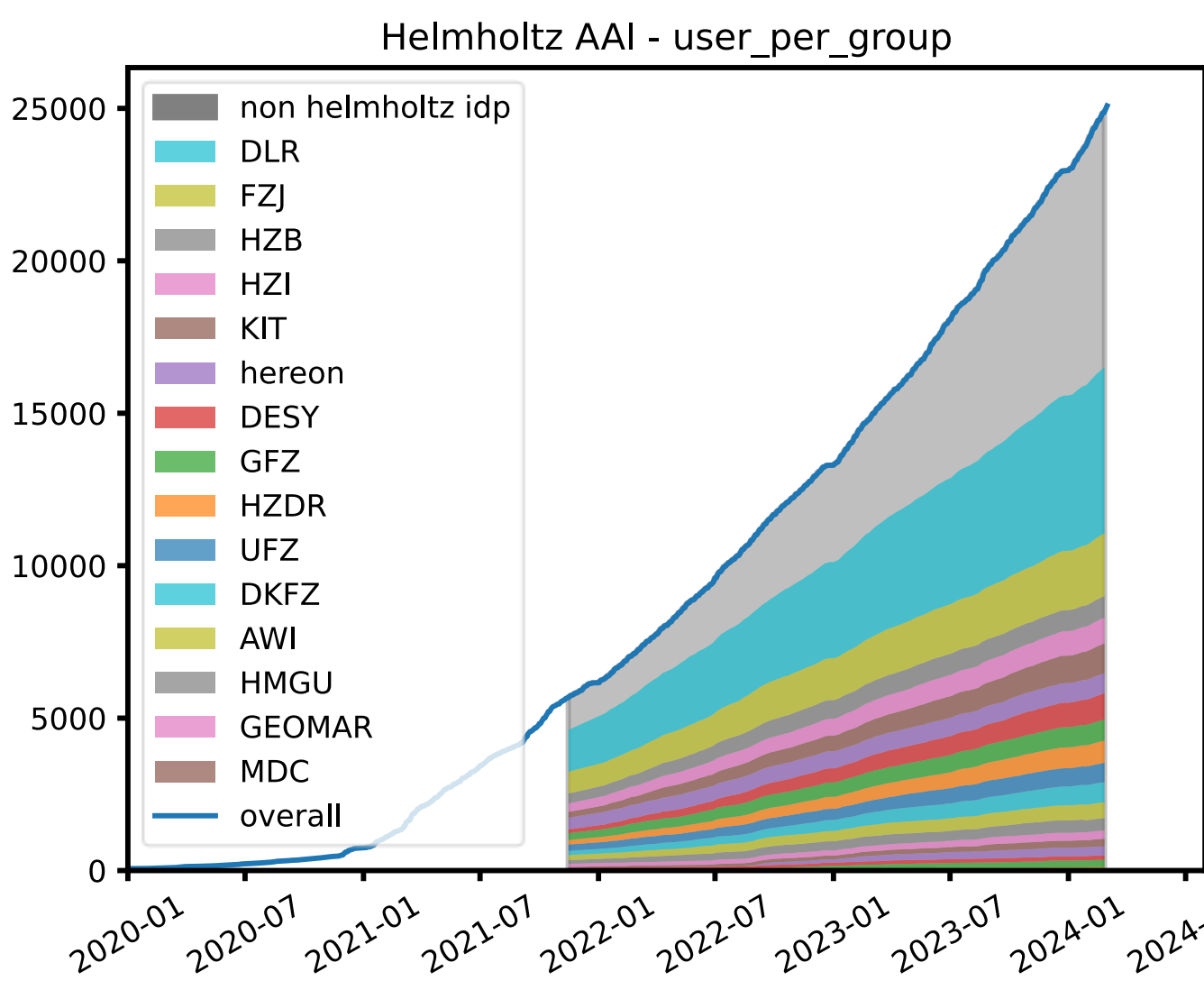
We build and foster communities to support the necessary cultural change when dealing with research software.



<https://helmholtz.software>

## How are the offers being received?

Since its launch, the platform has experienced steady user growth. Coverage of the various Helmholtz centers has also improved significantly since the platform was launched.



### Other Incubator Platforms

