



NHR update

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Entwicklung des NHR-Verbunds



2021-2023

2023-2025

2025-2030

Aufbau

- Gremien
- Koordinierung
Leitungsebene
- Koordinierung
Arbeitsebene
- Graduate School
- Außendarstellung
- Antragsportal JARDS

Konsolidierung

- fachspez. Ausrichtungen
- NHR-Konferenz
- Neue Nutzungsgruppen
- Förderung Diversität,
Nachwuchs

Ausbau

- Außenwirkung → Politik
- NHR-Authentifizierung
- Internat. Kooperationen
- Zusammenspiel
HPC – Daten - KI

AI – from Laptop to Supercomputer

Together with Gauss-Centres – Online Sessions

- Weekly Q & A Sessions (Thursday, 2 p.m.)
 - >> **NEW:** special focus talk on **the second Thursday of the month**
 - in March: „Leveraging Deep Learning for Inverse Design in Material and System Development“, (23 participants)
- Introductory web seminar 3-4 times a year.
Last Thursday: 28 participants
 - AI from Laptop to Supercomputer



NHR Starter Projects

Idea:

- Simple application
- 1 year duration
- Only 1 Starter Project per PI, no second possible even after expiry

Since October 2023:

- About 180 accepted Starter Projects
- 15 rejected because for formal reasons
- 30 rejected because of second application

Info → [NHR-resources](#)

ISC 2025 in Hamburg

June 10-12

- Visit us at Booth # J10
- Information, talks, chats, ...
- Sofas & Sofa Talks



NHR Conference, September 22-23 in Göttingen, Scientific part

Goal

- Scientific exchange
- Bring together users & providers of NHR centers
- Open to all

Scientific Topics 2025

- AI in Social Sciences
- Life Sciences
- Data Management & Storages
- Program
 - Excellent keynotes and invited speakers
 - Contributions – talks & posters
 - Panel discussion

Register now!



NHR Conference, September 24-25

NHR Networking Event



- Meetings of NHR Boards
- Meetings and exchange of NHR employees
- Workshops/exchange of different NHR working groups and projects
 - Some of them are public

→ program will be coordinated with HPC-Status-tagung (Gauß-Allianz, Sept. 24.-26. in Göttingen)



NHR Graduate School



- Three year full-time scholarship at an NHR Center
- Next call will open in April (deadline in September)
- The following topics are covered:
 - Operation and computer architecture
 - HPC Software Engineering
 - Application of efficient HPC methods for different research domains
- Yearly summerschool for NHR Fellows
- Additional workshops
- Strong network of the fellows



NHR Chapter Women in HPC

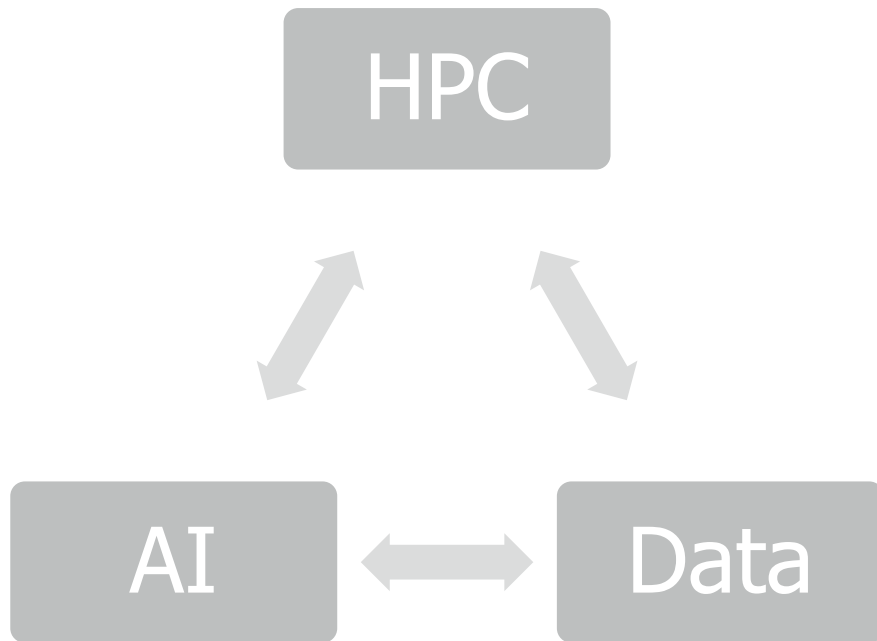


- Networking
- Travel grants to SC 2024
- Travel grants to ISC

(...)

[→Link](#)

HPC – AI – Data belong together



- The NHR Alliance is in the natural role of providing a Tier 2 offering
 - Several NHR centers are involved in
 - AI Service/Competence Centers
 - NFDI Consortia
 - NFDI: fragmentation of storages should be avoided
 - Discussions and coordination are currently underway
 - Financing and conditions must be clarified
- pick up speed

Thank you for your attention!

- [WHPC](#)
- [NHR Graduate School](#)
- [NHR Conference](#) [Register now!](#)
- [AI from Laptop to Supercomputer](#)
- [NHR-Alliance](#)
- Announcements: please subscribe to [nhr-announcements](#)
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