

Distributed Computing Landscape – Germany

Probably not complete!



Distributed Computing Landscape

■ WLCG

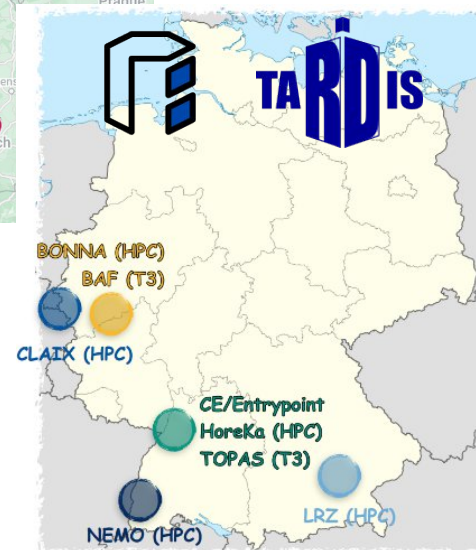
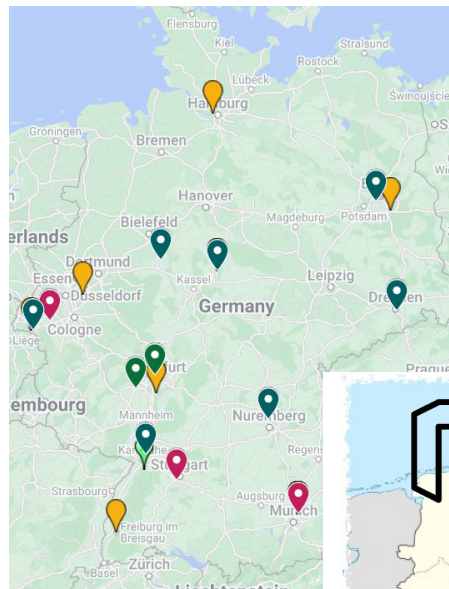
- GridKa Tier-1
- Tier-2s: DESY, GSI, MPPMU, 5 Universities

■ HPCs

- JSC Jülich, LRZ Munich, HLRS Stuttgart
- National HPC Centers (NHR)

■ Regional resource pool managed by [COBalD/Tardis](#)

- Used instead of traditional grid site
- Integrates local clusters (HTC/HPC)
- On-demand scaling



Upcoming Changes

- University Tier-2s future plan
- DESY and GridKa take over T2 storage starting 2025
- Compute will be move to NHR HPCs
- Challenges
 - Technological idiosyncrasies of HPCs
 - Bring together different communities with different concepts (long term pledges vs. limited CPU-time allocations, security concepts, ...)

PUNCH4NFDI

- National Research Data Infrastructure (NFDI)
 - Doesn't fund HW, only people
 - objective to systematically index, edit, interconnect and make available the valuable stock of data from science and research
- Particle, Universe, NuClei, Hadrons 4 NFDI
 - setup of a federated and "FAIR" science data platform, offering the infrastructures and interfaces necessary for the access to and use of data and computing resources of the involved communities and beyond.

