

Compute-Time Proposals

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Paderborn
Center for
Parallel
Computing

- Requirements for Compute Time Applications
- Project Tracks
- Simplifications

- **Principal Investigator (project leader)**
 - has to have least a Ph.D
 - has to be a member of a University in Germany

- **Scientific collaborations**
 - with researchers in foreign countries: possible
 - with industry: possible (please contact us)

- **Project runtime:**
 - One year with extensions possible
 - Multi-year projects are possible

- **Test-projects are possible (limited to 30 days)**

Project Tracks

Small

UPB, teaching
NRW (sites without resources)
Global (FPGA development)

4 mio. CPU-core-h
10k GPU-h

- Can be applied for and started **any time**
- internal technical and scientific review
- starts within a few days
- **multiple small projects per PI** possible but sum of resources must be below limits

New: NHR-Starter

Germany-wide

- new track to simplify into NHR normal/large projects
- very simply application
- starts within a few days

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New: NHR-Starter

Germany-wide

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Normal (NHR)

Germany-wide

15 mio. CPU-core-h
100k GPU-h

- Can be applied for and started **any time**
- detailed description required for **external scientific review**
- preliminary start after 1-2 weeks
- full project starts within 2-8 weeks

Large (NHR)

Germany-wide

- **4 fixed calls for proposals** per year (deadlines 1.1, 1.4, 1.7, 1.10)
- detailed description required for **external scientific review**
- preliminary start after 1-2 weeks
- full project starts within 8-12 weeks

Possible Simplifications for Normal and Large Projects

- 1. Multi-year Projects (Normal and Large):** write one proposal, use multiple years
- 2. Simplified extension of Projects:**
 - Up to 25% of resources or 25% of project runtime can be extended by simple mail to pc2-support
 - project extensions are much simpler now (drastic reduction of the detailed description)
- 3. Project was already scientifically reviewed (normal projects):**
 - i.e. by DFG, BMBF, EU, GCS
 - Then no detailed description is required and no external scientific review
- 4. Using a "well-known" code:**
 - List of codes for which no scalability or benchmarks are required: <https://pc2.de/go/well-known-programs>, e.g. VASP, CP2K, Abaqus, ORCA,....