



Research Computing

HPC R&D / Training

Strategic Developments, Partnership

Administration & Information

HPC User Engagement & L1/L2Support

Scientific Software & Libraries

HPC Operations and Supercomputing Services

- HPC Applications & Middleware optimization
- Energy Efficiency & Hybrid computing optimization
- Emerging Technologies Edge and Fog Computing
- AI / Machine Learning
- Technology Watch
- Training
- Dissemination

- HPC Service Agreements & Consulting
- Partnership & Business Services
- Reporting and Auditing
- Security & Data Protection
- National HPC Coordination
- HPC Competence Center
- NVidia AI Technology Center
- EU HPC Projects (EuroHPC, PRACE[6IP], ETP4HPC, Grid5000, SLICE...)
- International HPC Cooperation (E-READI...)

- Communications, Media & Event Support
- Financial Project Management & Control
- HPC Procurement & Inventory
- Human Resources
- Licences & Maintenance Contract management
- Project Coordination

- Scientific Computing High Level Support
- Compute & Data Service Support
- Industry & Business Support
- Web Portals & Documentation
- HPC Tickets & Accounts
- Uni.lu Faculty and ICs Liaison
- Public Research Centres Liaison

- Toolchains, debuggers, programming languages
- Bioinformatics, biology and biomedical
- Computational science
- AI, DL, BigData analytics
- High-level mathematical software
- Performance evaluation & Benchmarks
- Visualization
- GPU accelerated software

- Compute Services
- Network, Monitoring and Security Services
- Storage, Data & Backup Services
- Resource Allocation & Scheduling
- Project & Identity Management, Accounting
- Data Center & Infrastructure Operations
- DevOps - CI/CD
- Disaster Recovery