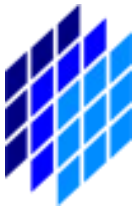
Centrum spoločných činností SAV, v. v. i.



Výpočtové stredisko SAV

HPC SERVICES

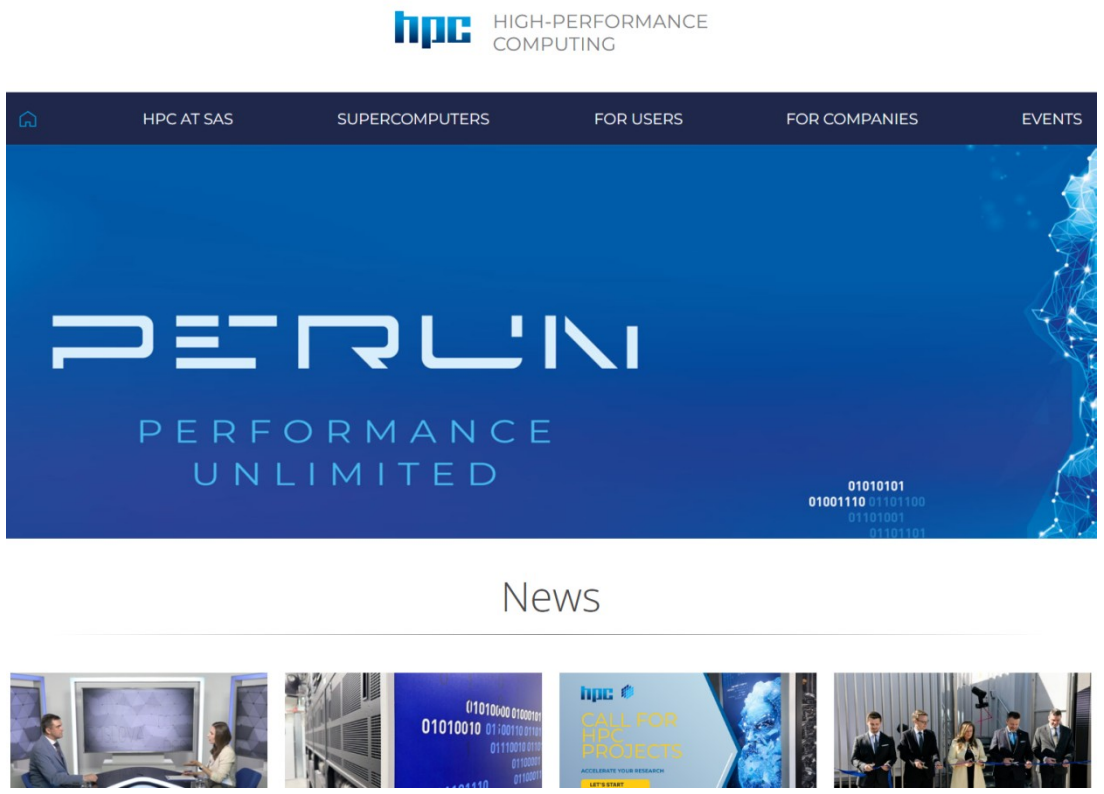
VSSAV, Bratislava, 10/06/2026
(HPC tím)

HPC SERVICES

- https://hpc.sav.sk/
- https://register.hpc.sav.sk
- https://support.hpc.sav.sk/
- https://userdocs.hpc.sav.sk/
- https://ood.devana.nscc.sk/
- **Containers and more**
- **Project and user statistics**

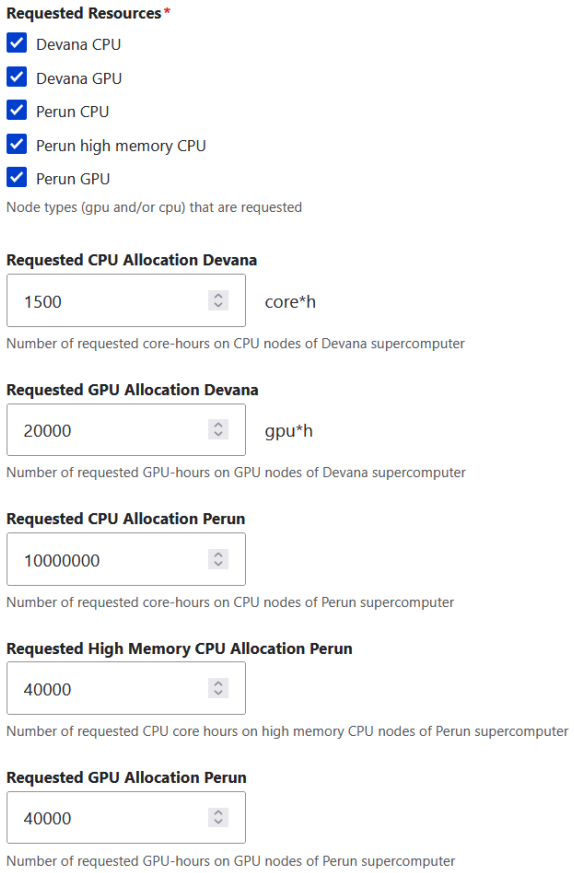
SAS HPC WEBSITE

- https://hpc.sav.sk/en/
  - Basic information
  - News
  - Calls for HPC projects
  - Success stories, events and more



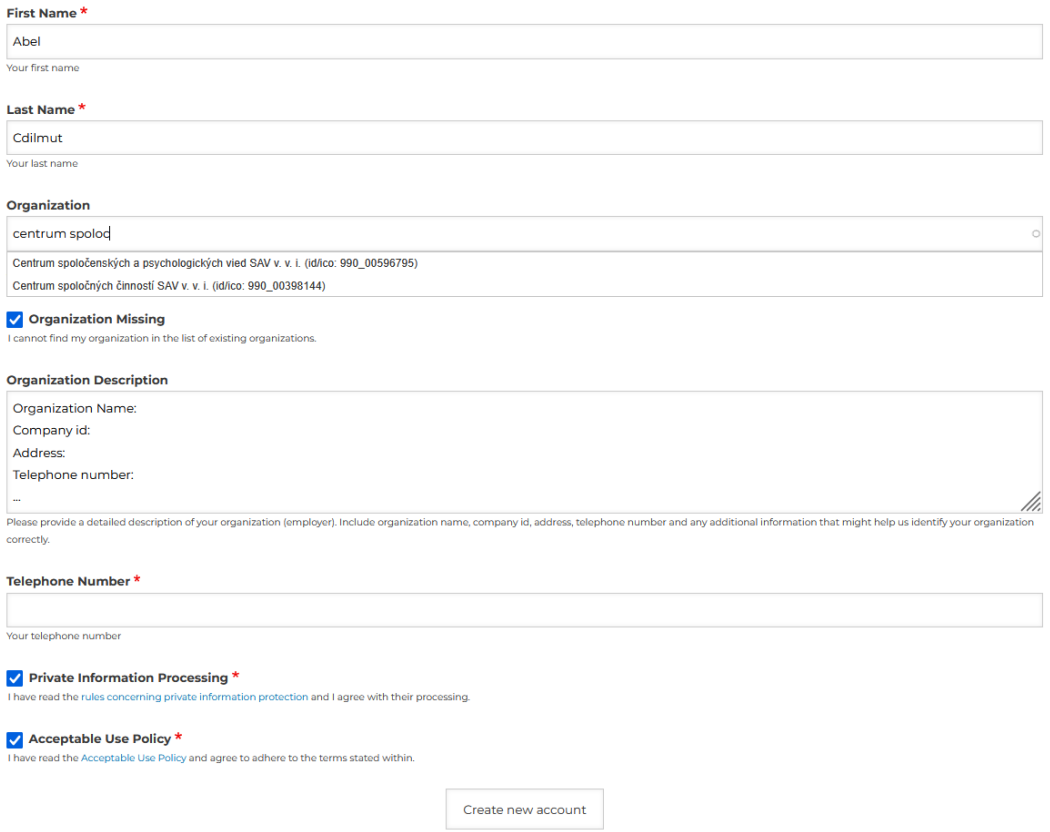
HPC REGISTER (1/5): NEW PROJECTS

- **Testing projects**
  - 50 000 CPU core hours
  - 781 GPU hours
- **Standard, commercial projects**
  - Devana CPU, GPU
  - Perun CPU, high memory CPU (FAT), GPU



HPC REGISTER (2/5): NEW USER REGISTRATION FORM

- **No changes for existing users!**
- **New usernames for new users**
  - abcdba00
- **New workplaces for new users**



HPC REGISTER (3/5): KOŠICE INTEGRATION

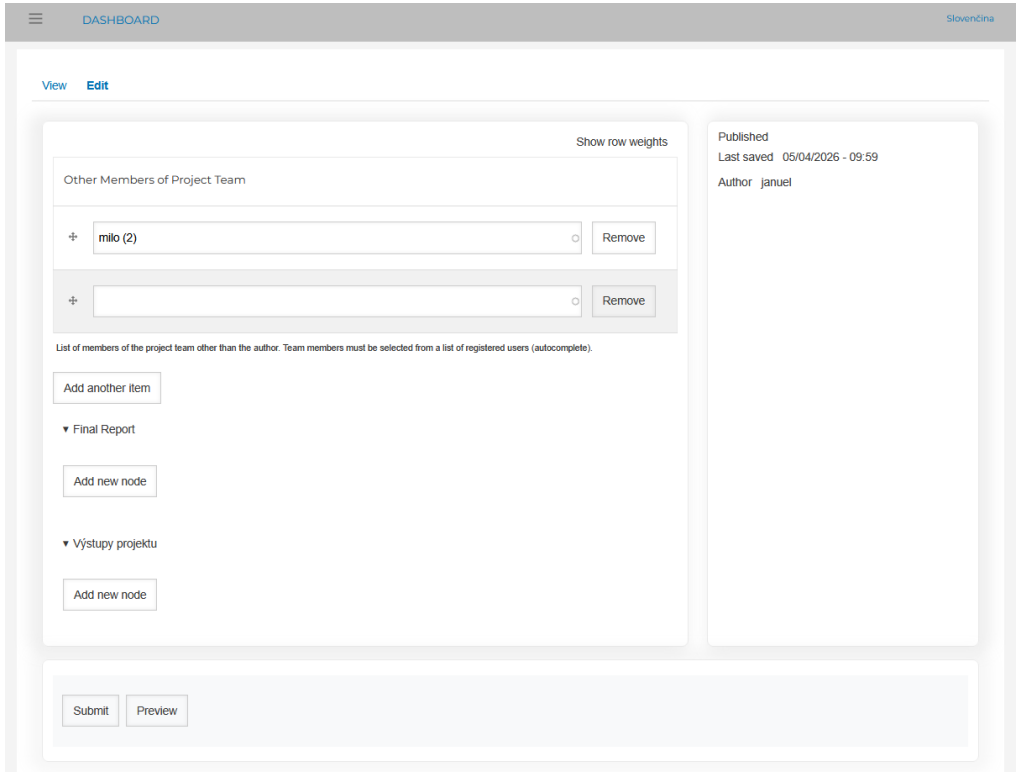
- **Dashboard**
- **Košice integration**
- **Username, password, ssh-keys**

Košice Integration

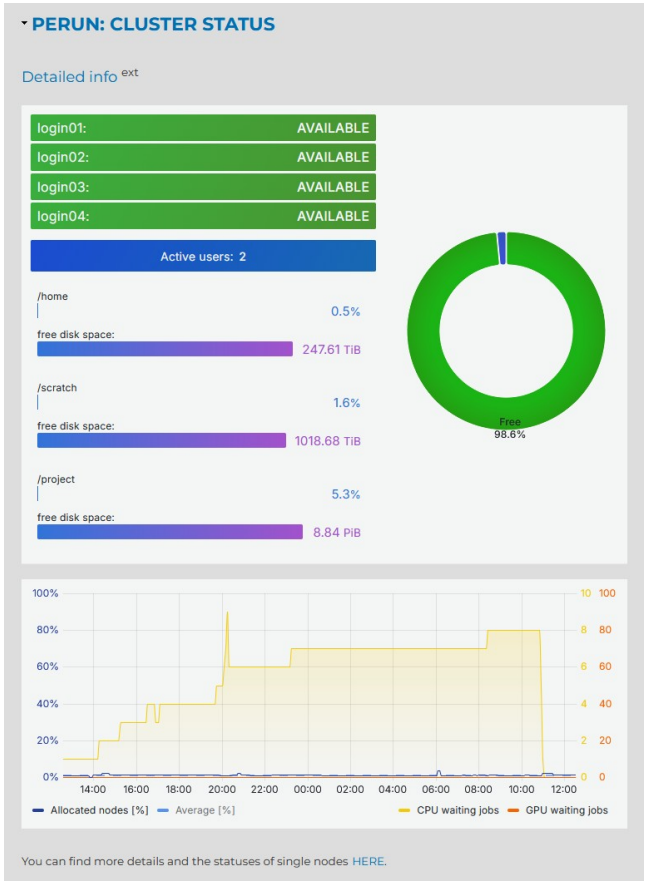
I request access to the resources of Perun supercomputer in Košice. I agree with the sharing of my private data with Technical University of Košice as well as the terms of use of HPC PERUN in Košice.

HPC REGISTER (4/5): PROJECT OUTPUTS, REPORTS, TEAM MEMBERS

- **Project Final Report/Technical Report**
- **Project Outputs**
- **Project Team Members**

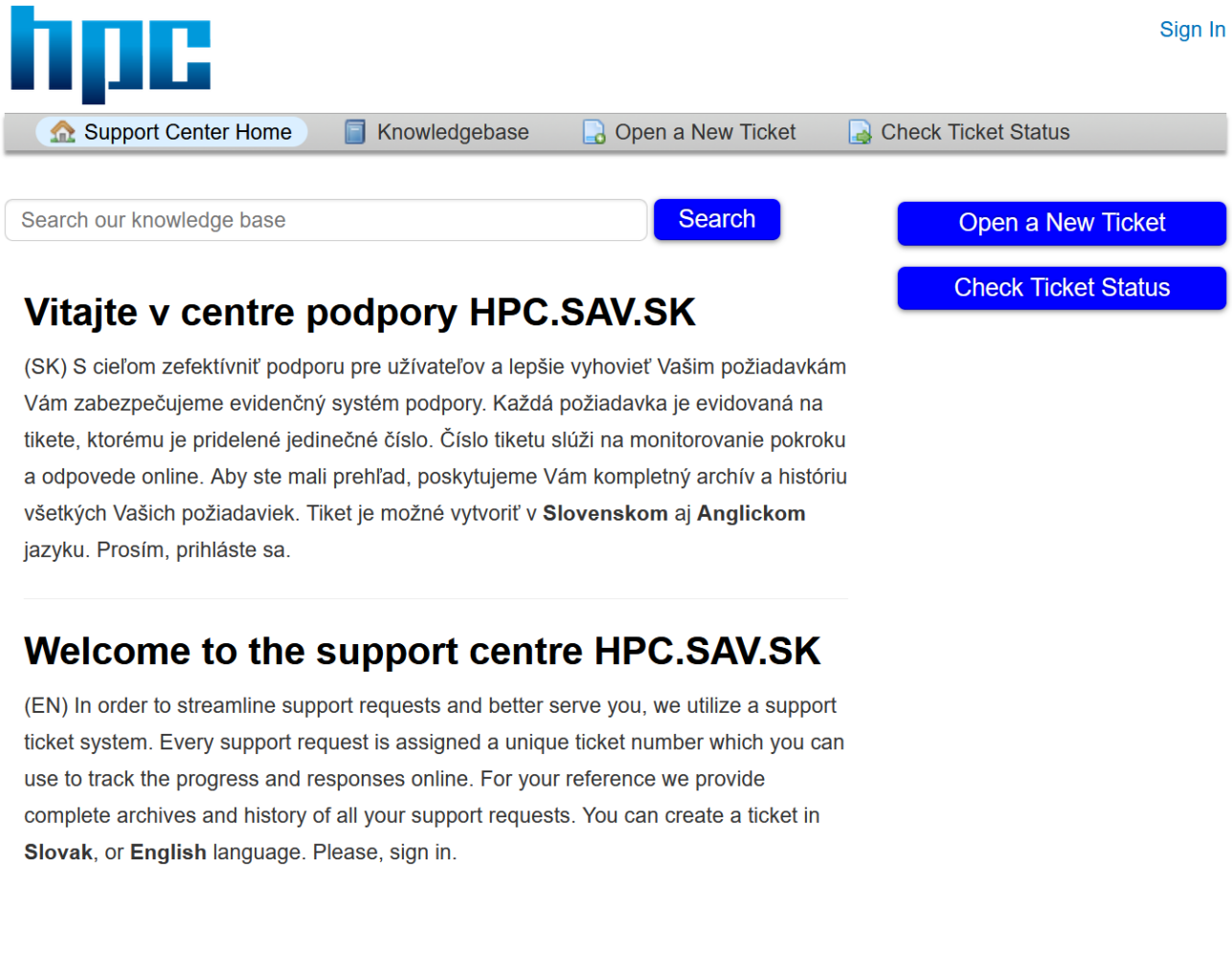


HPC REGISTER (5/5): PERUN CLUSTER STATUS



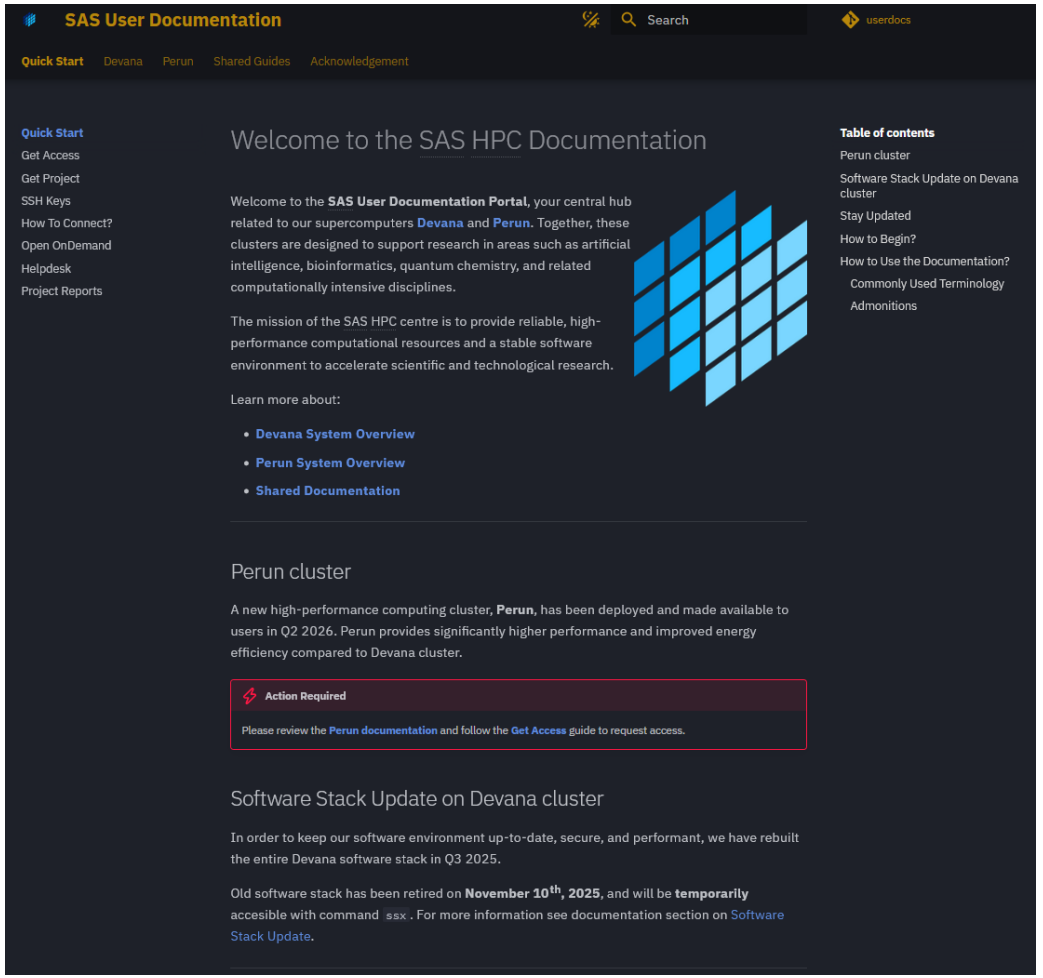
HPC SUPPORT

- **Tickets**
- **Sign In**
- **Automatic Emails**



HPC DOCUMENTATION

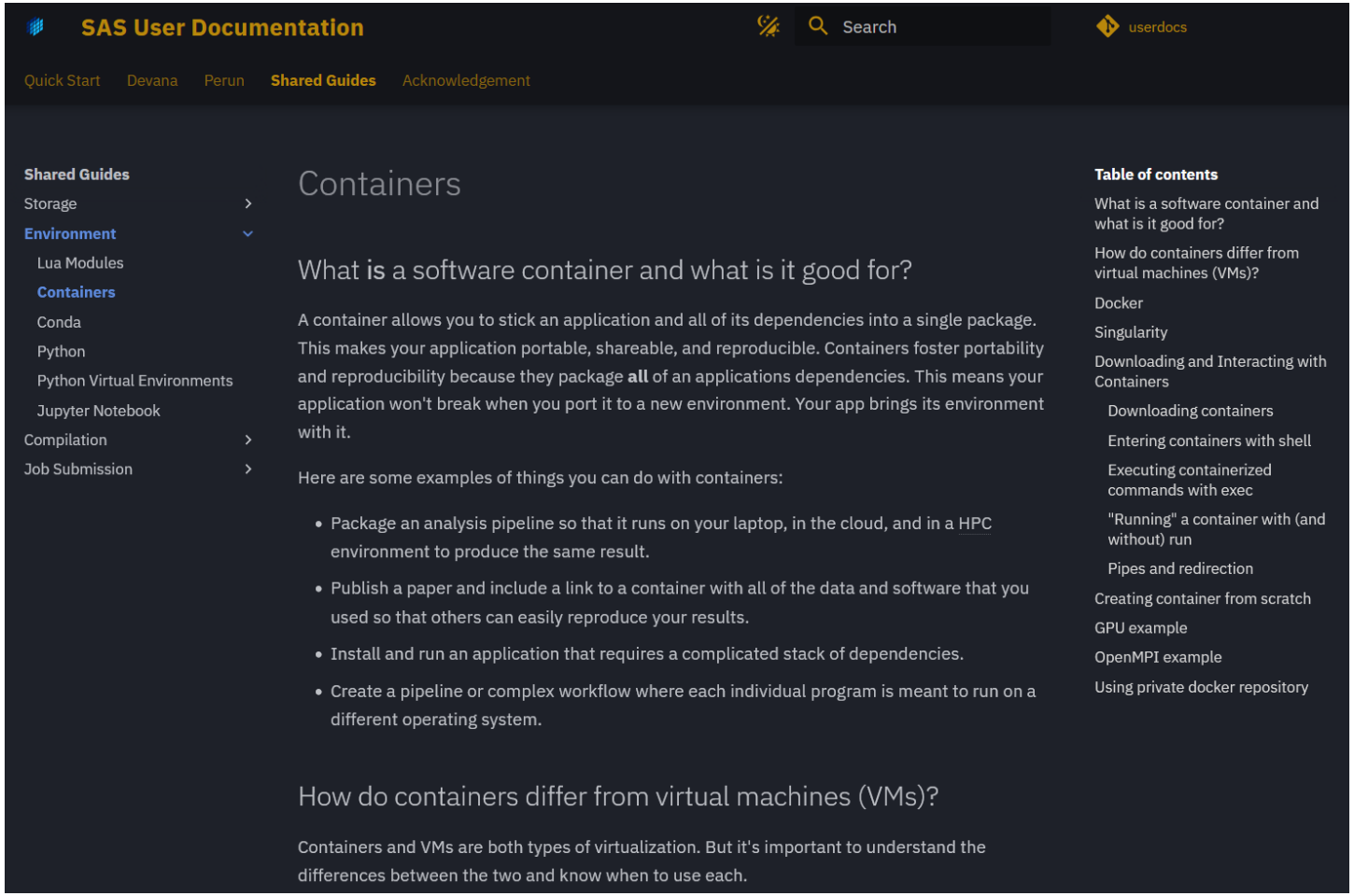
- **Guides, examples, best practices**
- **Devana/Perun/shared guides**
- **Acknowledgements**



HPC SAS: OOD, CONTAINERS AND MORE

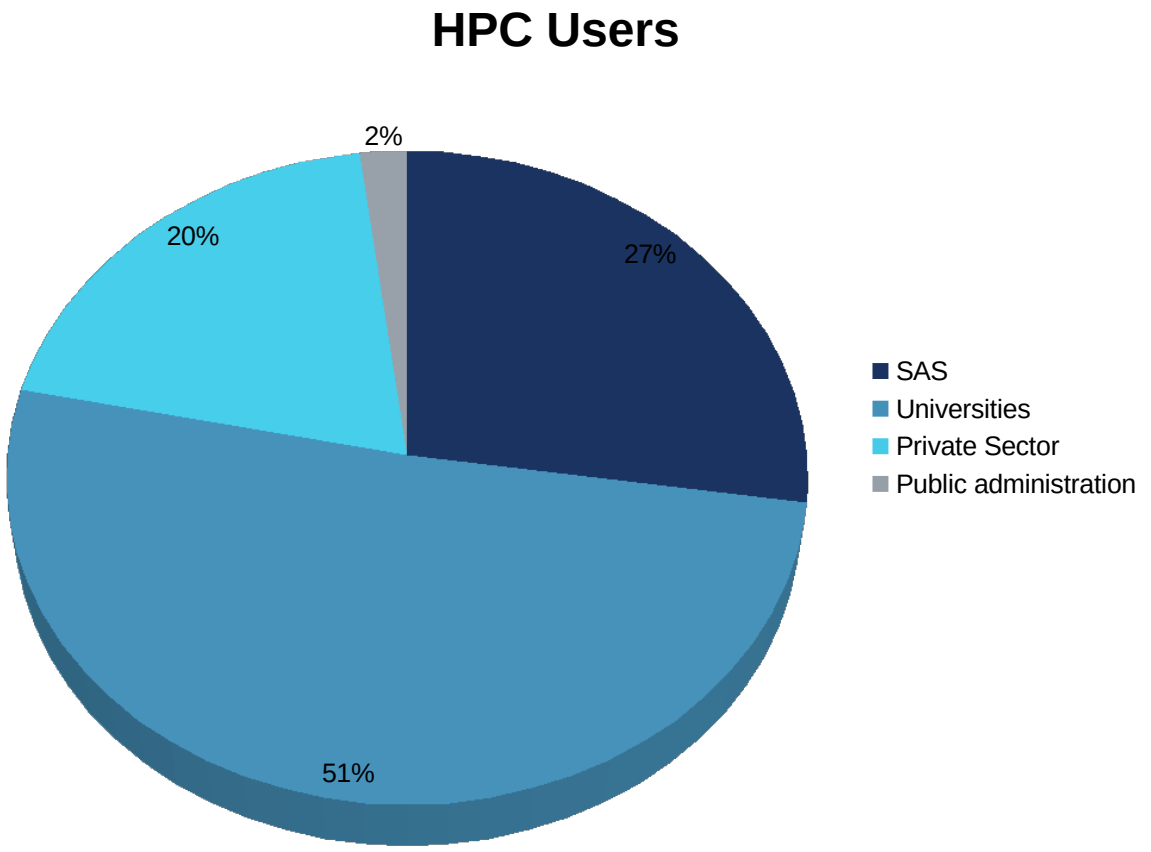
- **Open OnDemand**
- **Containers**
- **AI user support**

  (distant future plans)



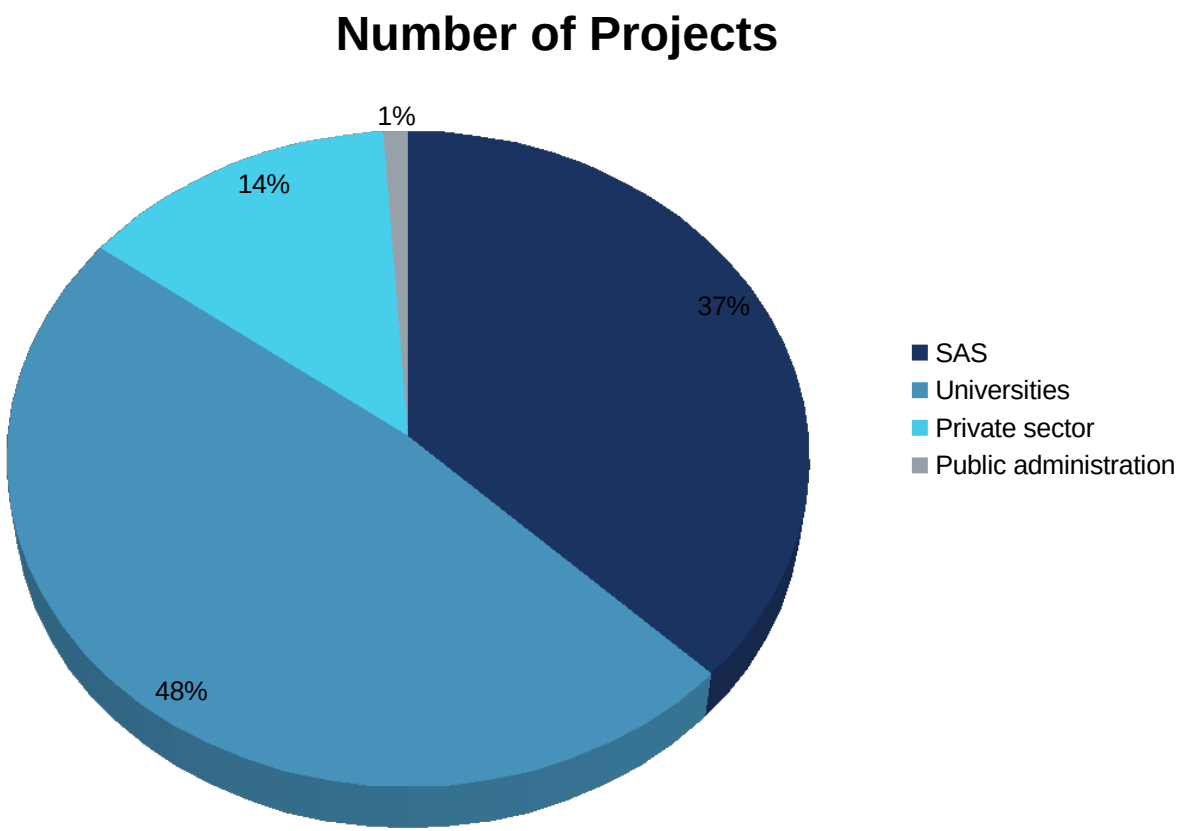
HPC USER STATISTICS

- **Number of users: 542**
- **Number of new users** (since Perun)**: 45**
- **Register** (“active” last year)**: 349**
- **Academic: 424**
- **Private sector: 104**
- **Public administration: 11**
- **SAS: 148**
- **Universities: 276**



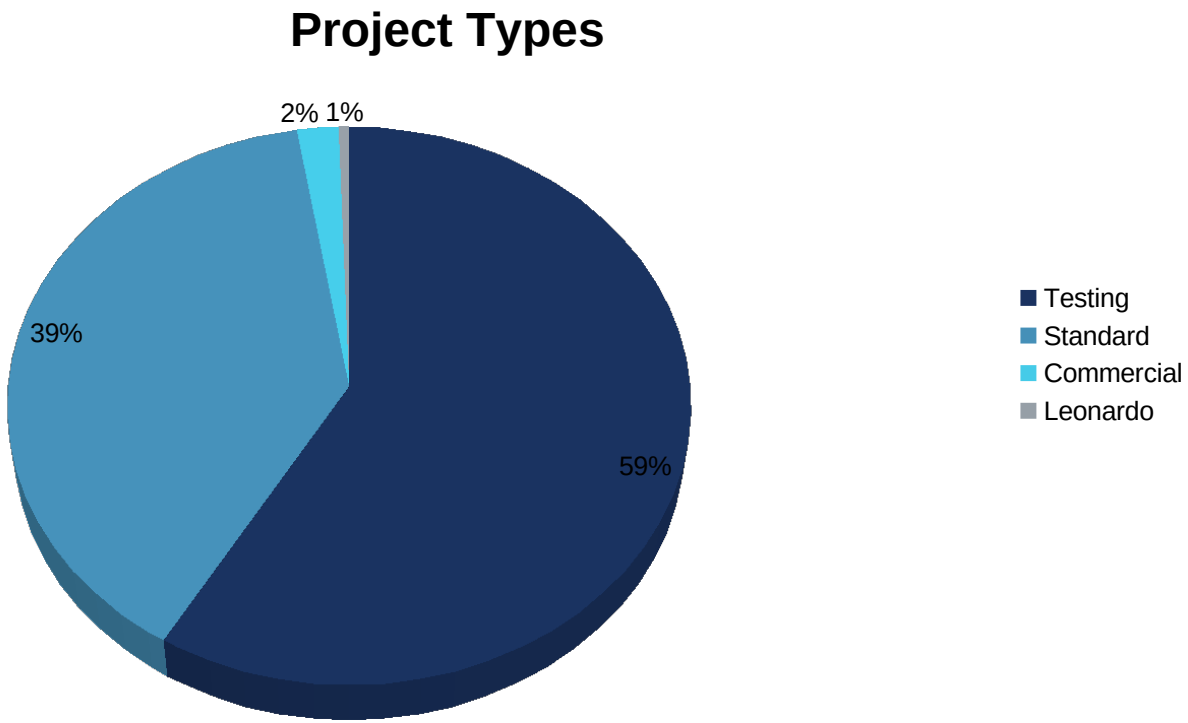
HPC PROJECT STATISTICS

- **Number of projects: 379**
- **Academic: 323**
- **Private sector: 52**
- **Public administration: 4**
- **SAS: 141**
- **Universities: 182**



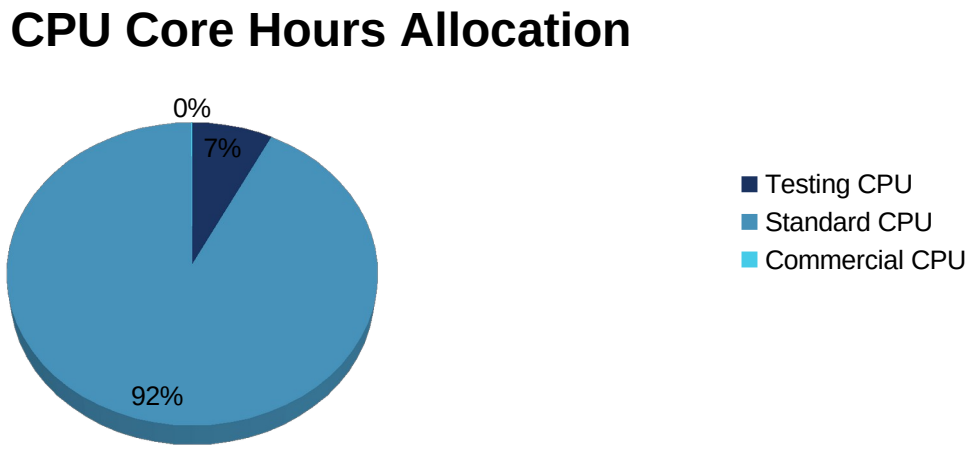
HPC PROJECT STATISTICS: PROJECT TYPES

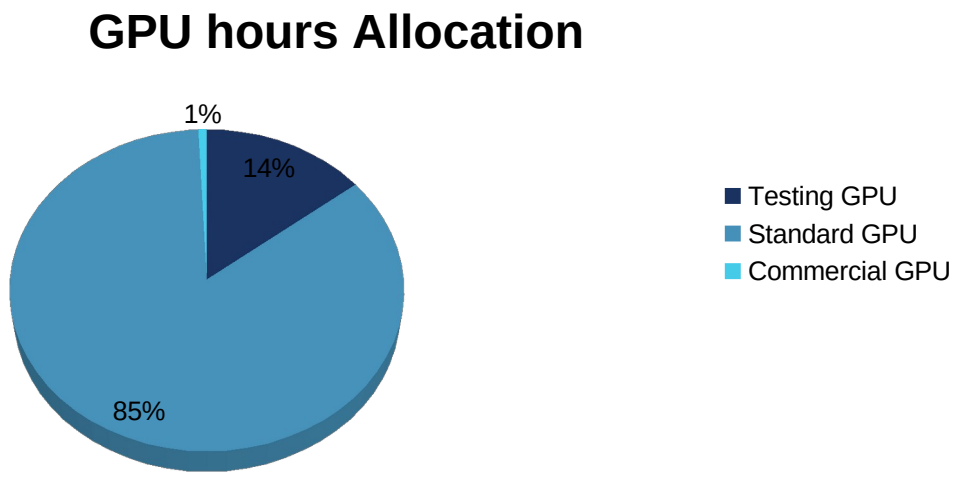
- **Testing: 223**
- **Testing since Perun: 19**
- **Standard: 148**
- **Commercial: 8**
- **Leonardo: 2**



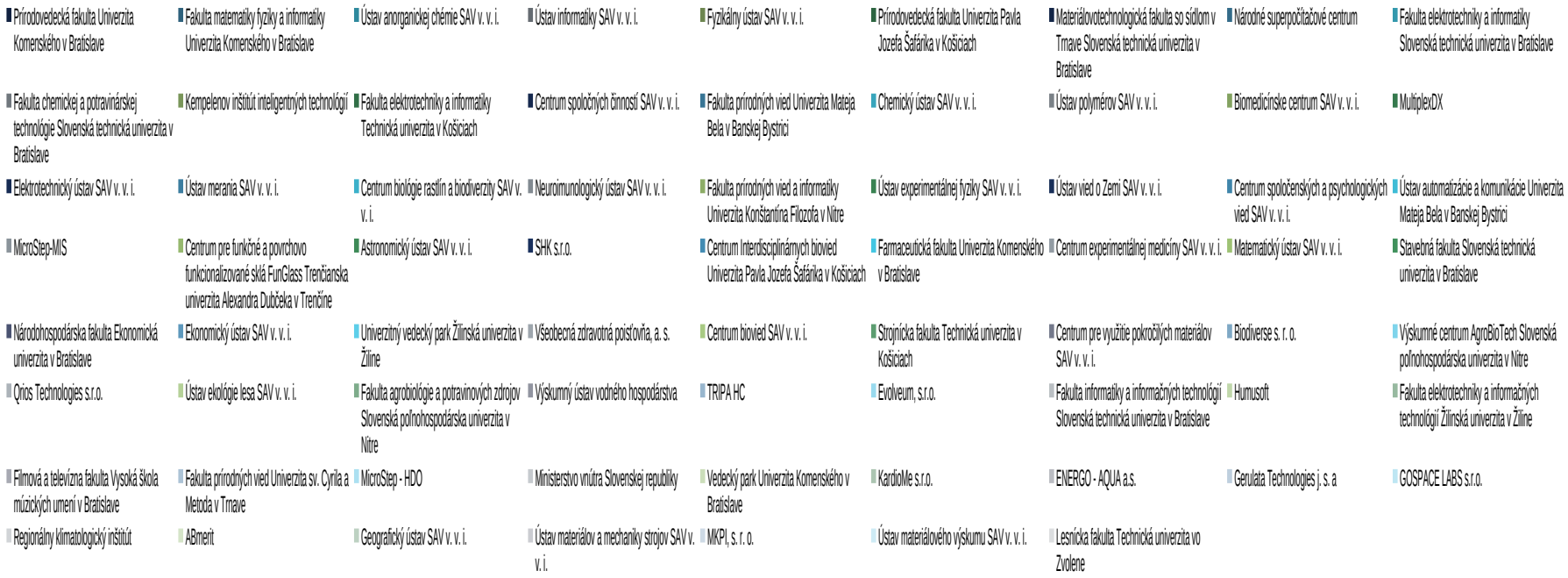
HPC PROJECT STATISTICS: CONSUMED ALLOCATION

- **Testing CPU: 10662064 core hours**
- **Testing GPU: 40582 hours**
- **Standard CPU: 131921878 core hours**
- **Standard GPU: 238669 hours**
- **Commercial CPU: 143089 core hours**
- **Commercial GPU: 2053 hours**

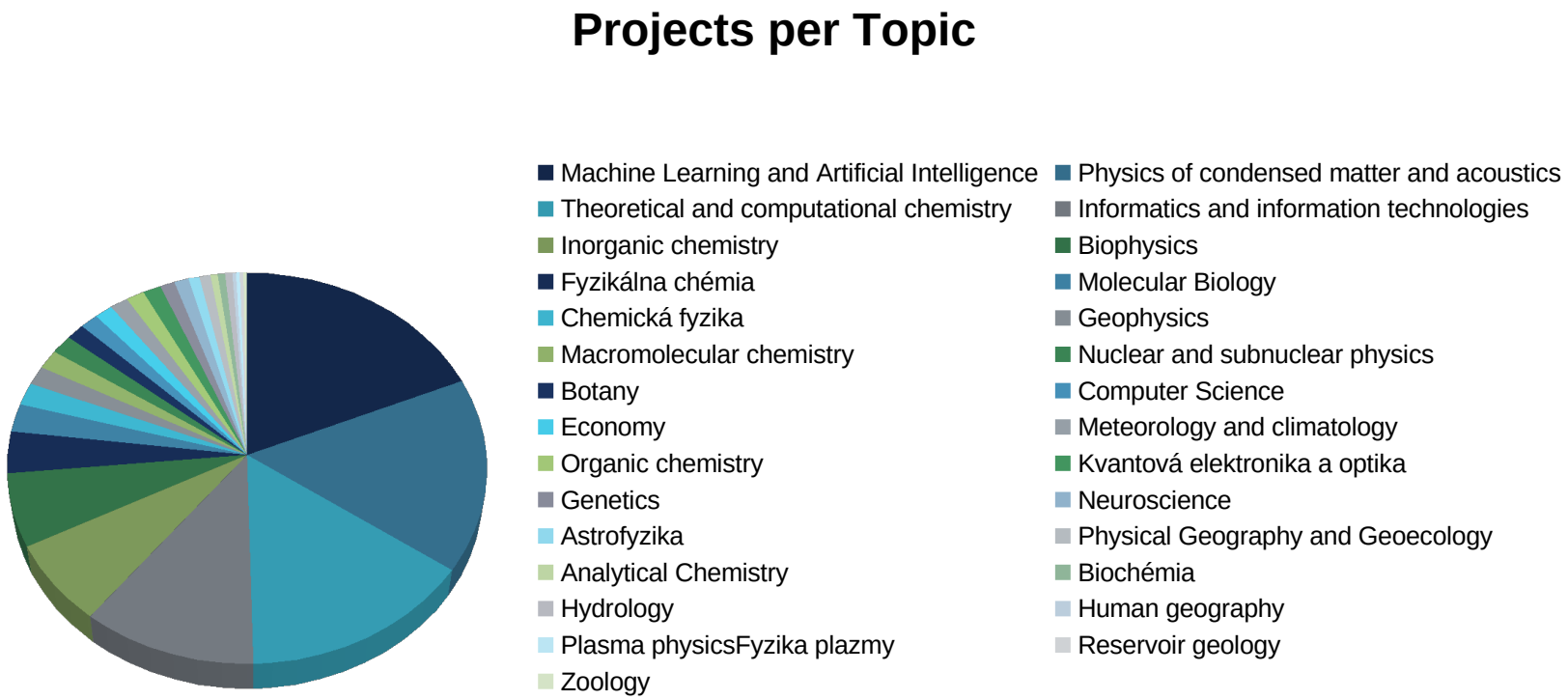




HPC PROJECT STATISTICS: ORGANIZATIONS



HPC PROJECT STATISTICS: RESEARCH TOPICS



HPC SERVICES

- **Web services**
  - Register
  - Tickets
  - Userdocs
  - Open OnDemand
- **Containers and more**
- **Project and user statistics**

Thank you!