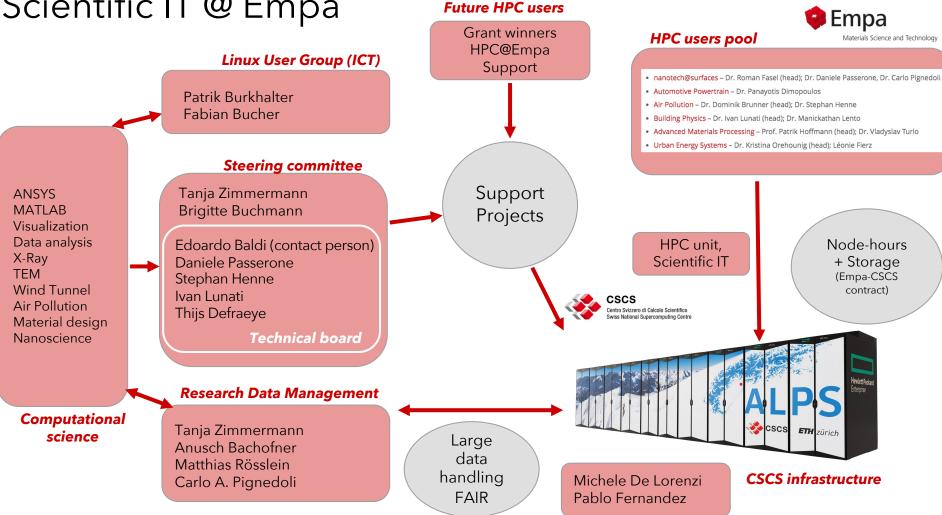
Willkommen Welcome Bienvenue



HPC activities @ Empa

hpc-ch Forum May 19th, 2022

Scientific IT @ Empa



HPC @ Empa: goals



Leveraging computer science and scientific exchanges among

groups/communities working at Empa

- Connecting potential computational scientists and large scale resources
- Supporting on submission of computational resources grants (PASC,

PRACE) and users training (e.g., Python, Git, UNIX)

Help-desk support for efficient use of CSCS's computing resources

HPC support projects



Aim

- The Empa HPC team supports Empa users of CSCS resources in their daily needs
- Address users' needs that require a more dedicated commitment over several weeks or months

Resources

- Porting/establishing/optimizing of existing applications to CSCS infrastructure
- Support for the preparation of CSCS proposals (e.g., benchmarking for technical report)
- Initialize/boost activities data science and/or machine learning related

Evaluation

- Submitted proposals are evaluated by Empa's HPC steering committee every 6 months.
- Evaluation criteria: the scientific validity, feasibility to complete the task in the estimated period, project urgency in light of achievable scientific progress

HPC support: Ansys/MATLAB

MATLAB

/nsys



