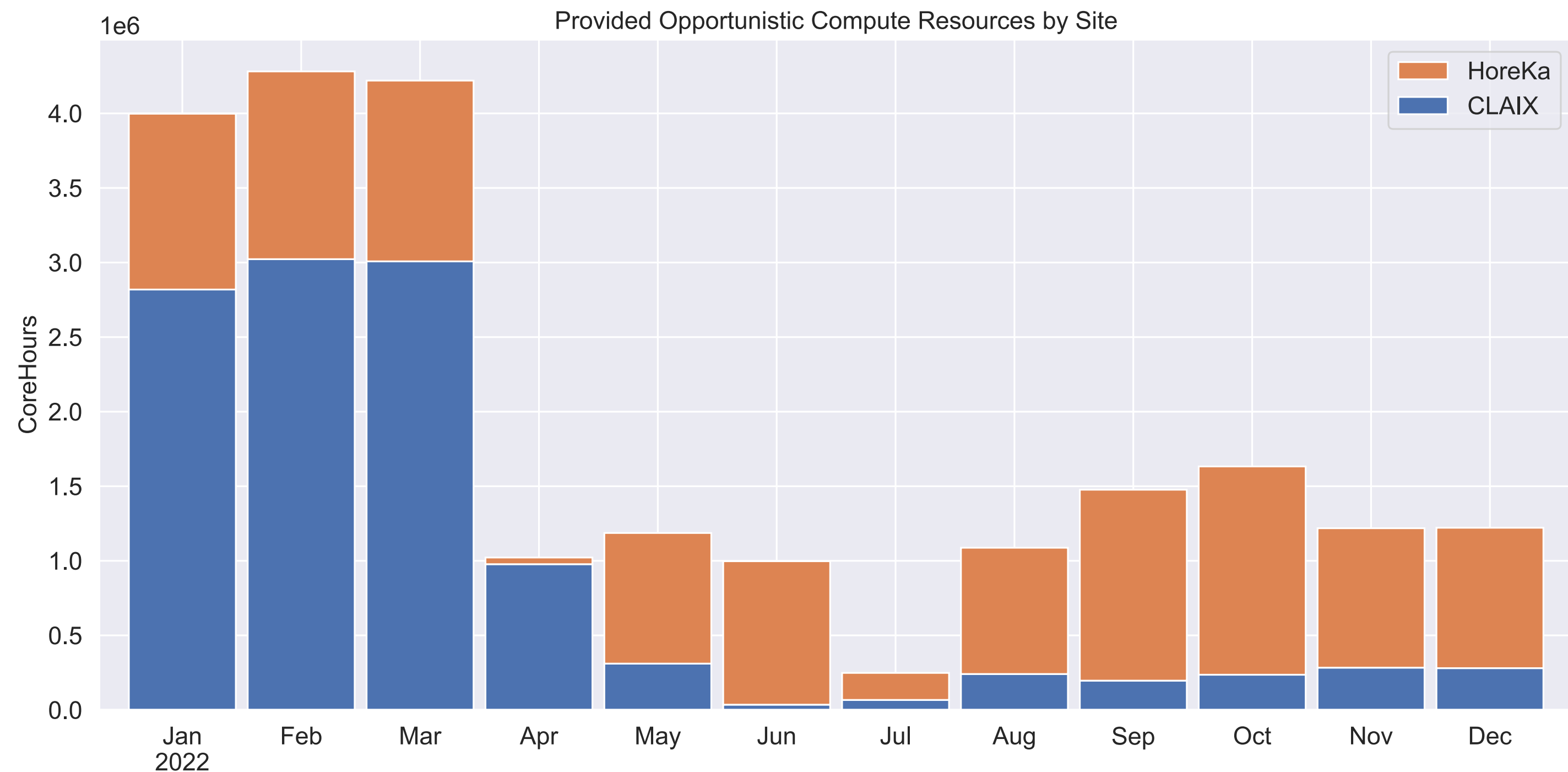


FIDIUM

- Successful opportunistic use of Aachen HPC (CLAIX) as Tier-2 extension for CMS
- Use of Jülich HPC (JURECA) more challenging

Follow-up project:

- Further development of WLCG @ CLAIX
- Focus on large scale tests and inclusion of NHR resources
- Continue development of WLCG @ JURECA



- Develop measures to sustainably use of significant and diverse computing resources together with benchmarks of their usefulness
- Concrete measures will evolve from DIG-UM workshop:
Sustainability in the Digital Transformation of Basic Research on Universe & Matter
<https://indico.desy.de/event/37480> (May 30 - June 2, 2023)
- Please feel invited to join!



The creative workshop develops **Strategic concepts for sustainability in the digital transformation of basic research on universe & matter** - from the funding applications on. The workshop program focuses on working sessions with below-mentioned guiding questions. The 6 sub-groups of ca. 5 participants will gather relevant information for the final report which will be published timely after the workshop. Keynote presentations by high-profile experts will inform participants and stimulate discussions. Key measures will concern education, research and innovation, in line with the BMBF's sustainability goals.

- Provide job CO₂ footprint to users
- As realistic as possible (→ users can optimize)
- Energy consumption on worker
- Real-time (local) energy source (prediction)
- Hardware production footprint
- Memory usage
- ...
- Build on existing tools à la [experiment-impact-tracker](#)

German Energy Sources (smard.de)

