ACOnet
High Performance Communication Infrastructure for Science, Research & Education

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www.ACO.net

Inquiries: admin@aco.net
ACOnet is the Austrian National Research and Education Network (NREN), connecting

- (all) Universities & Academies
- Colleges & Research Institutes
- Austrian School Network (EDUnet), Dormitories
- Museums, educational and cultural institutions
- Hospitals
- Ministries, Federal Agencies
- Federal Chancellery, Presidential Offices
- Provincial Government and Administration
- …

Legal Entity & Management: University of Vienna
Operations: ACOnet-Team @ UniVie + other participants
Governance: Tech Steering Group & Board of ACONET Association
Main customer contact via IT departments

But also interested in direct input from
  - researcher community (HPC, Grid, QCI, …)
  - end user community

Support for and coordination with new research areas with direct fibre optic network access demand:

- Quantum Communication Research (e.g. AQUnet, QUAPITAL, OpenQKD)
- Optical Time & Frequency Networks (e.g. CLONETS/EURAMET/EMPIR)
Current infrastructure developments

- Currently tendering for a new ACOnet (NREN) fibre optic backbone (framework) contract (from mid 2022)
  - including spare fibre pairs on all main backbone legs
  - Framework (available from Q4/2021) then can be used to further extend network for specific projects

- Austrian Quantum Fibre Network (AQUnet)
  - FFG R&D infrastructure funding project coordinated by the ACONET Association
  - intended to complement and enable the (new) ACOnet backbone infrastructure for CLONETS and EuroQCI-related research
ACOnet Admin Team

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