

ACOnet

High Performance Communication Infrastructure for Science, Research & Education

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March, 2021 @ GÉANT QKD Infoshare

www.ACO.net

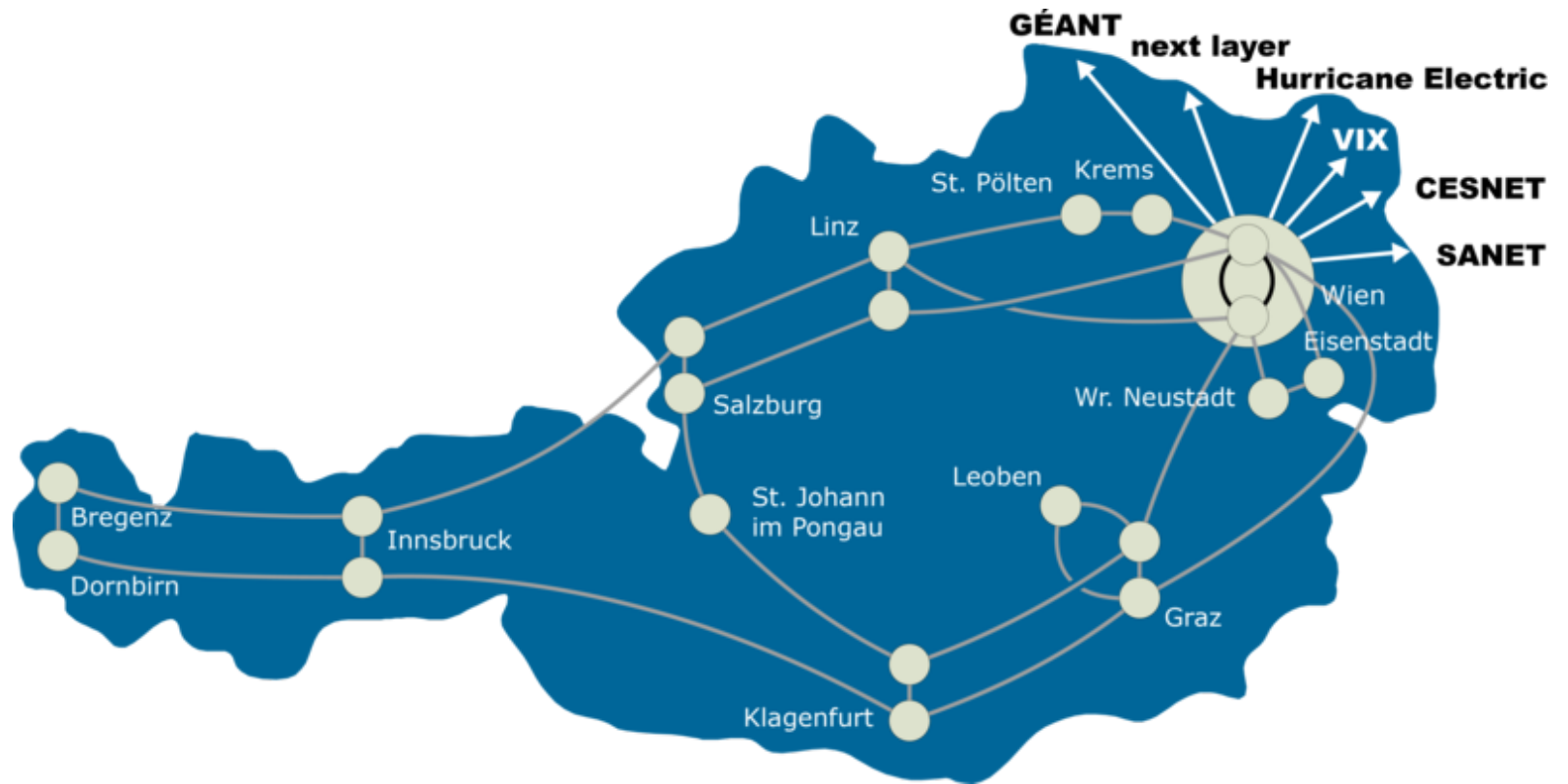
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NREN++

- 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



ACOnet Topology



ACOnet / NREN Customer Relations

- 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

Kontakt & Impressum

- ACOnet Admin Team

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