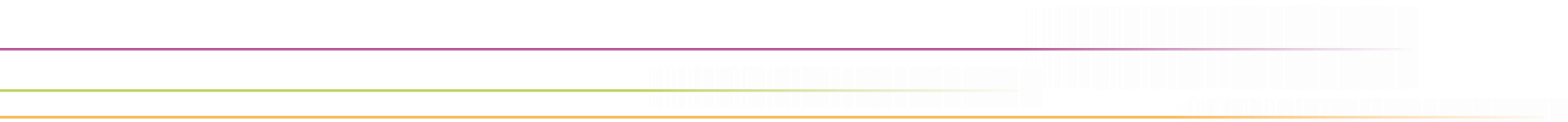


deutsches forschungsnetz

DEN



EOSC impact and opportunities on the infrastructure landscape

The infrastructure landscape in Germany

DFN –

Germany's National Research and Education Network

ESOC Symposium 2024
Christian Grimm (DFN)

Organisation

- ▶ DFN is a non-profit association under German law
- ▶ Founded in April 1984 as
 - ▶ Verein zur Förderung eines Deutschen Forschungsnetzes e.V.
- ▶ 357 institutional members (October 2024)
 - ▶ Universities, Polytechnics, Research Organizations, Academies, Governmental Institutes, Industrial Research Labs, ...

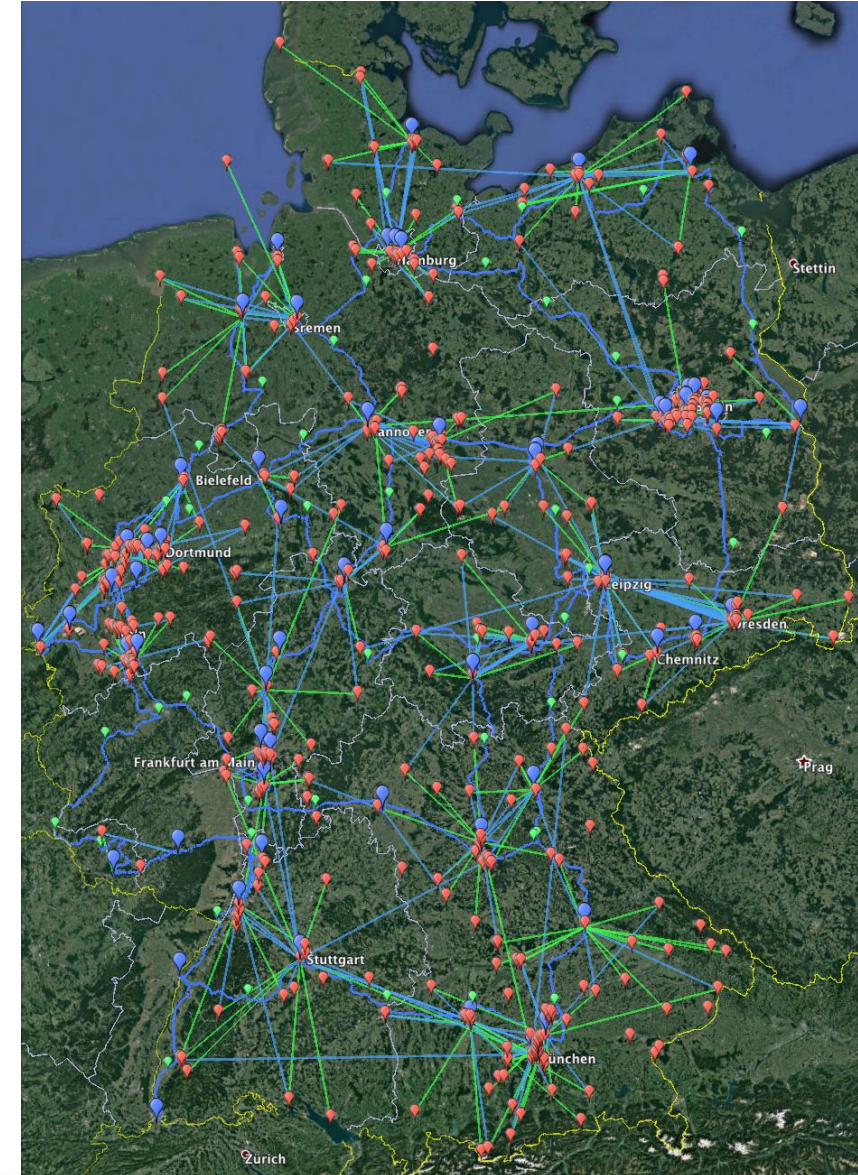


What we do

- ▶ DFN provides services
 - ▶ to over **850** locations with a total of
 - ▶ more than **2.500.000** scientists, staff & students

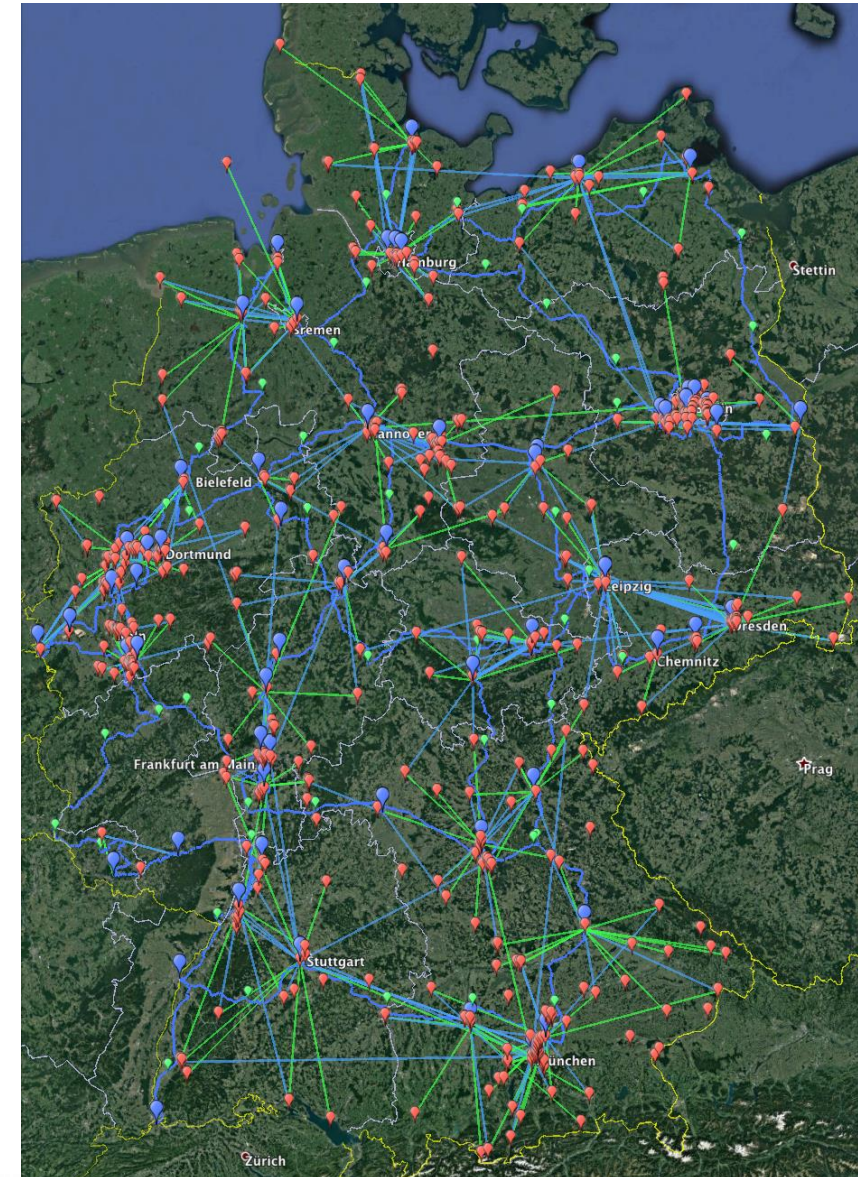
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 - ▶ **933** customers (red dots)
 - ▶ dark fibres / leased lines (green and blue lines)



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- ▶ network is core ...
 - ▶ **933** customers (red dots)
 - ▶ dark fibres / leased lines (green and blue lines)
- ▶ ... contracts are key
 - ▶ more than **6.000** as service provider to customers
 - ▶ up to **2.000** as customer from the market



Funding

- ▶ Income

- ▶ Subscription fees for services (91%)
- ▶ Membership fees (2%)
- ▶ Third party money (6%)
- ▶ no subsidies by federal or local state ministries

- ▶ Looks pretty sustainable, however

- ▶ after roughly 20 years of significant ministerial support (BMFT/BMBF)
- ▶ be careful when considering DFN an ideal blueprint for other infrastructures
- ▶ ... but some basic principles may fit

Position & Role towards EOSC & NFDI

- ▶ Early member in EOSC Association and NFDI Association
- ▶ Participation in early EOSC projects (esp. via GÉANT Association)
 - ▶ to support ramp-up phase of EOSC
 - ▶ current focus on EOSC Task Forces
- ▶ Conscious decision not to participate in individual NFDI consortia
- ▶ Active in shaping the initial discussion about basic services to NFDI
- ▶ Promote joint development of basic services between DFN and NFDI community
 - ▶ co-lead in basic service „Identity and access management“ of Base4NFDI