WELCOME

13th SIG NGN meeting
Virtual - 7 December 2023

NORDUnet
Nordic Gateway for Research & Education

Lars Fischer

NETWORKS FOR DATA DRIVEN RESEARCH

- anyone, anywhere, anytime, any size
- Trivial to use; available to all researchers and data stewards
- Support science workflows & data lifecycles
- Ubiquitous, secure, supported
- Driven by needs of research communities

»Do stuff with data»

Data in the right place

Network

MAXIMIZING PERFORMANCE

- A core mission of NRENs
  - … but how do we do it
  - and what are we performance engineering for?
- Two short NGN workshops on network performance engineering
  - Measuring network performance (October)
  - Engineering for performance (today)
- Focus on research traffic

AGENDA

- Setting the scene
  - Research Infrastructures and Networks - Xavier Espinal
  - Impact of streaming computation, load balancing - Yatish Kumar
  - Network / instrument integration - Jani Myyry
- Q&A
- Network performance engineering
  - IP / Optical integration for performance - Sebastiano Buscaglione
  - Do we engineer for elephant flows? - Yatish Kumar
- Discussion (Mian Usman)

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THANK YOU!
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