NORDUNET A REGIONAL INFRASTRUCTURE

EOSC-Nordic - the end or a new beginning?

Lars Fischer

NORDUnet
Nordic Gateway for Research & Education

WHO IS NORDUNET?

NORDUnet NETWORK
National and international peering

NORDUnet
Nordic Gateway for Research & Education

In progress

European connection

Advanced North Atlantic System (ANA)

Asia Pacific Europe Ring (AER)

Ny - Ålesund
Longyearbyen
Harstad
Utsjoki
Narvik
Luleå
Kalix
Trondheim
Umeå
Vaasa
Helsinki
Reykjavik
Oslo
Stavanger
Stockholm
Kristiansand
Montreal
Copenhagen
Chicago
Esbjerg
NY City
Tokyo
DC Area
Hamburg
Amsterdam
London
Hong Kong
Brussels
Frankfurt
Paris
Geneva
Singapore

SERVICES AT SCALE

ZOOM PEAK CONNECTIONS
01 March 2020 – 12 September 2022
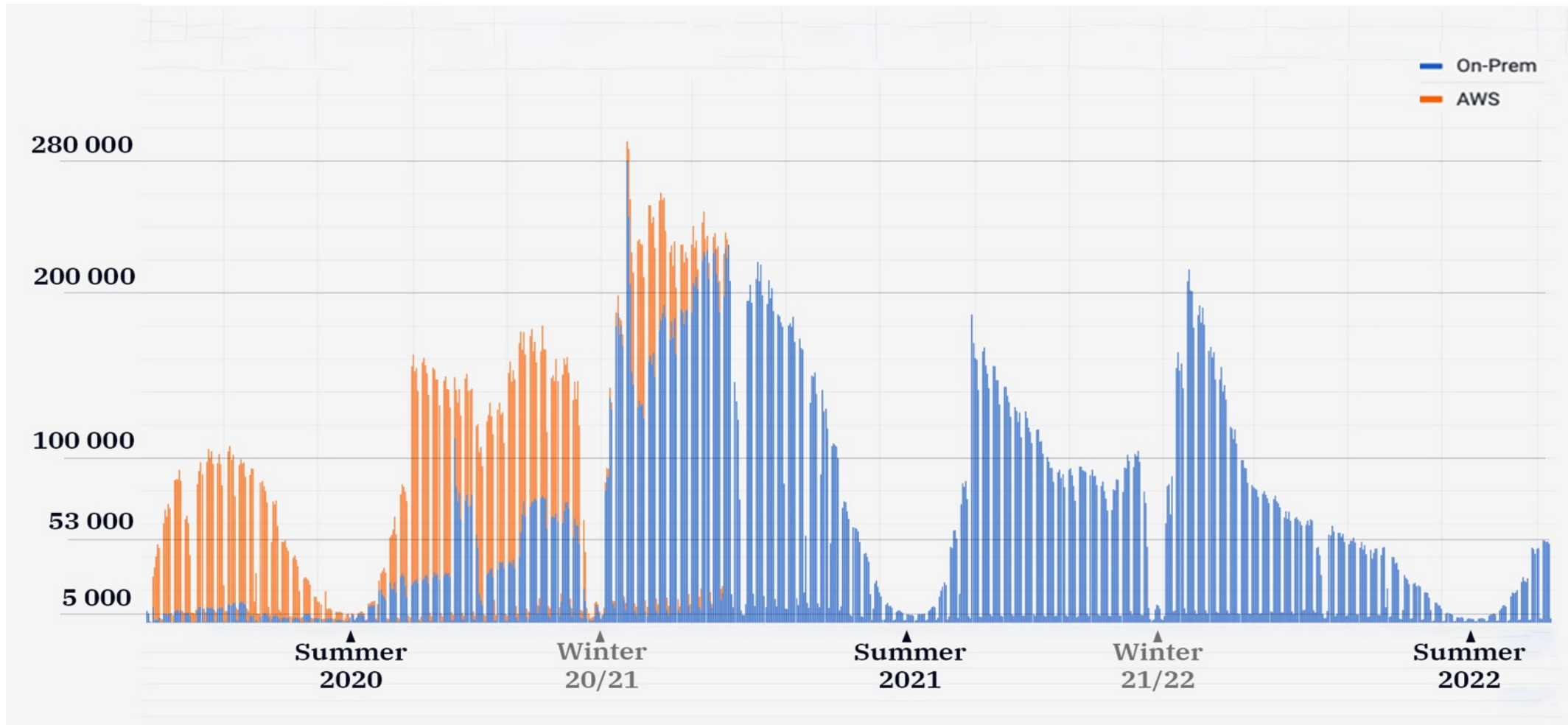
GOVERNANCE & FUNDING

- Incorporated in Denmark

- Owner by Nordic Research ministries or councils

- Governed by national research and education networks

- Funded by Nordic NRENs through
  - 2/3rd membership fee by GDP
  - 1/3rd service cost recovery
  - 1-3% external projects

NORDUNET AND EOSC

- Observer in EOSC Association

- Active in EOSC-Nordic, EOSC Future, TF Defining Funding Models for EOSC, TF AAI Architecture

- Focus on cross border structures and business models
  - D2.2: Cross-Border Collaboration Models – The Nordic Experience
  - D2.3: Open Science in the Nordics: Legal Insights
  - Deliverable 2.4: The EOSC Delivery Chain
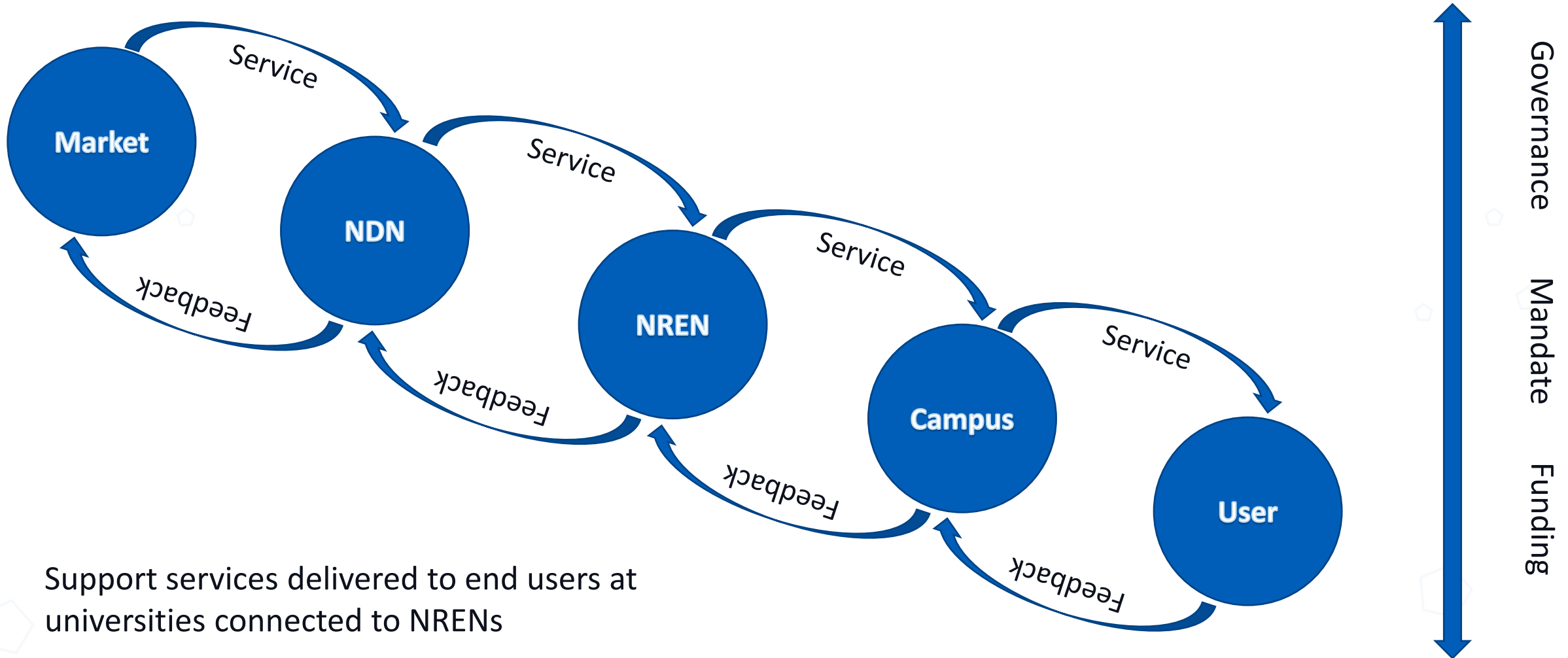 - D2.6: Cross-border Collaboration in the Context of EOSC

A STABLE REGIONAL FOUNDATION

"NORDUnet is stable - governance, organisational, financial - and largely has a clear mission and clear mandate. NORDUnet is recognised and trusted in the Nordic countries, in Europe and globally. Effort is made to ensure joint Nordic positions on strategic issues, enabling NORDUnet to act and represent with clarity"

A PROVEN SERVICE DELIVERY CHAIN

Market — Service → NDN — Service → NREN — Service → Campus — Service → User

Feedback ← (reverse direction through the chain)

Governance — Mandate — Funding

Support services delivered to end users at universities connected to NRENs

STRATEGIC DRIVERS

"For 40 years, the main strategic drivers have been digital sovereignty and cost efficiency. It is key to the Nordic NRENs to be an equal player on the global scene and be able to independently make decisions on issues impacting future evolution of research infrastructure."

DATA DRIVEN SCIENCE SUPPORT

- **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

Polar Connect
Vision 2030

North-West Passage

"Borealis"

THANK YOU!

Lars Fischer

<lars@nordu.net>