



Swedish National Data Service (SND) – a Swedish infrastructure for research data

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Open Science

- The European Commission has recommended open access to all scientific publications and research data (New recommendations 25.4.2018)
- The Swedish Research Council (VR) will coordinate the national implementation of the EU Commission recommendations on open access to research data and serve as the Commission's national contact on this matter.
- SND is building a scalable distributed service for open science with funding from VR



'Open data'

...could be

- 1) data linked to a publication (transparency)
- 2) data from a research project (efficiency, reuse, feasibility tests)

...requires different levels of availability

...requires systematic data management and good documentation which 'everyone' benefits from



SND from 2018:

- Funding period 2018-2022
- Consortium of 7 universities hosted by univ of Gothenburg



SND consortium members and domain expertise

- GU – humanities, social sciences, public health
- KI – life sciences
- LU – materials sciences & population based research
- SLU – environmental & climate data
- SU – spatial data
- UmU – registerbased research
- UU – sensitive data



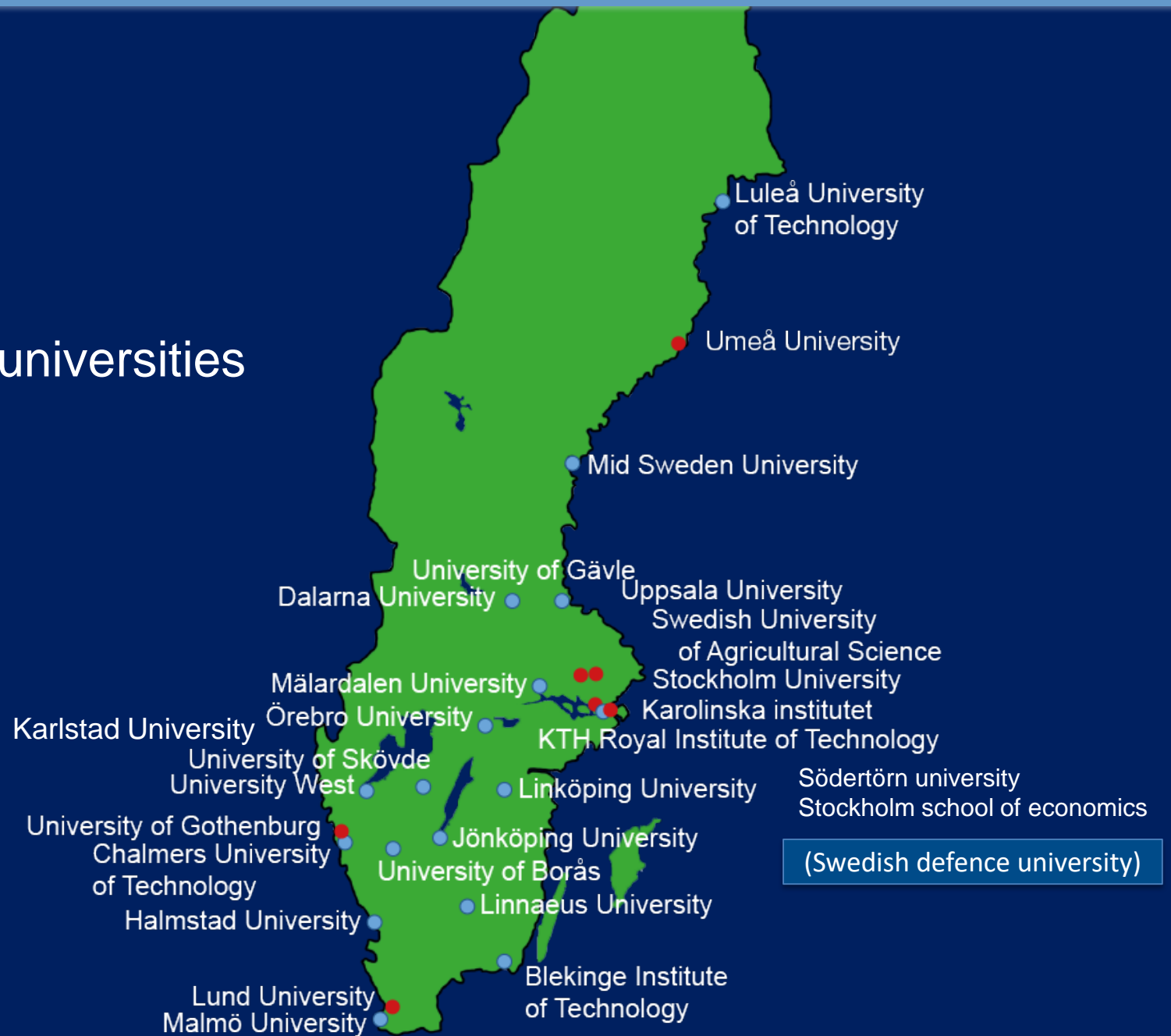


SND 2018-

- Funding period 2018-2022
- Consortium of 7 universities hosted by univ of Gothenburg
- Metadata portal for research data descriptions
- Research data discovery service
- Support for data management
- Network for "Data Access Units" (DAUs) at 27 universities
(building a system of trusted repositories)



SND network:
DAU = Data Access Units at 27 universities





SUNET project: National Research Data Storage

- SUNET has initiated a project on national research data storage
- SUNET will build up the solution and SND will serve with data documentation expertise
- Also in collaboration with the Research council (VR)

Benefit: the research data are located at the university under the control of the data owner (principal = huvudman) – of importance for legal reasons

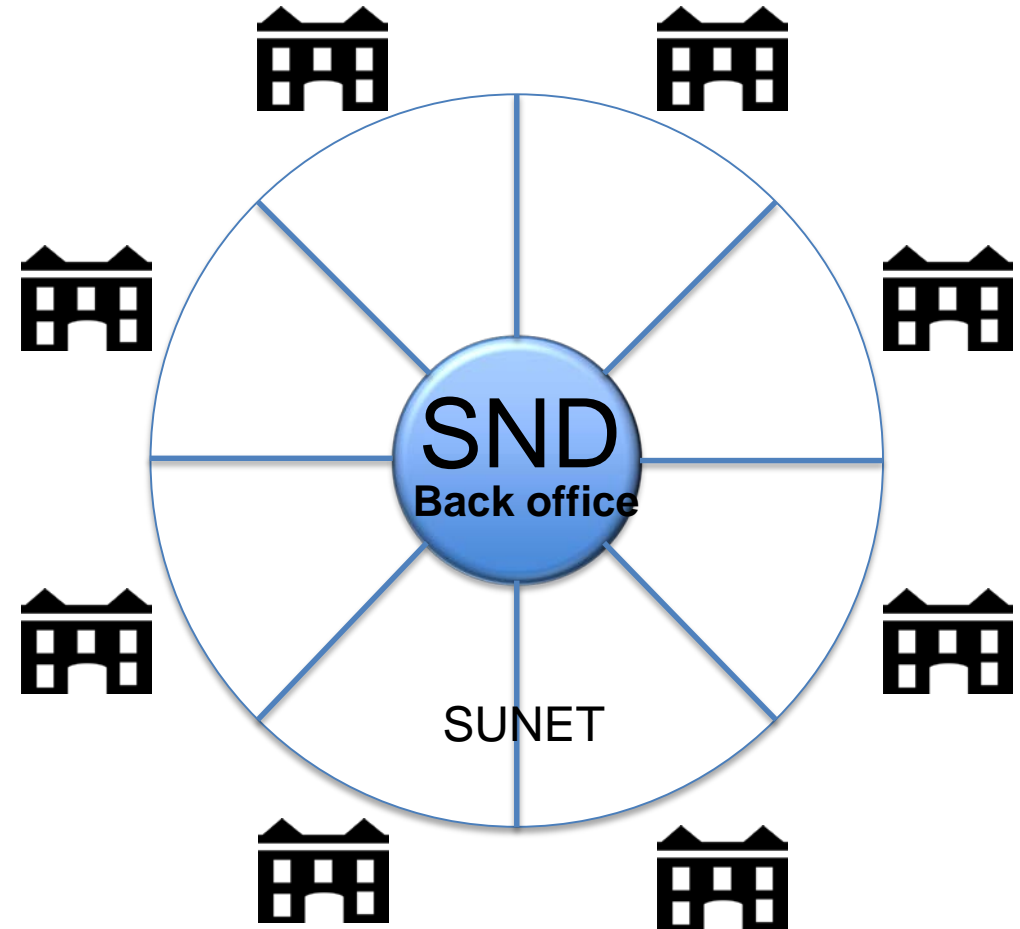
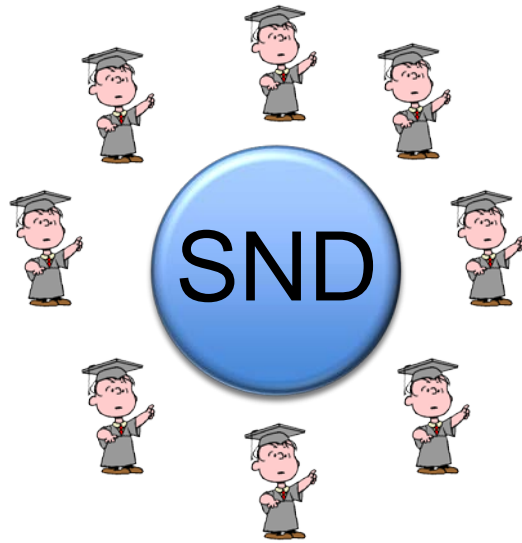


Collaborations...

- RUT = register utiliser tool
- DiVA = digitala vetenskapliga arkivet
- SUHF open science group, SUHF research data working group
- Data Management Plan initiatives
- other infrastructures with research data
- international partners



SND 1.0 vs SND 2.0





Summary

SND will provide a distributed system for the Swedish research community to

- describe and deposit data
- share data with Swedish and international researchers
- discover published data

SND will offer an advanced technical infrastructure, training, user support and standardised development of metadata

The researchers will meet a common system of routines for the research data procedure – to produce research data of high quality according to the FAIR principles



Thank you for listening!

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**MAKE YOUR OWN DATA FAIR (FINDABLE,
ACCESSIBLE, INTEROPERABLE, RE-USABLE)**



Findable
Accessible

Interoperable

Re-usable

Repository as SND

Researcher



To make data interoperable and re-usable

Metadata (documentation)

Metadata standards

Data management

Data management plans

Support from DAU (and SND)



What are the carrots?

Transparent review process

Improved visibility makes greater impact of the research – for science, society and your own career.

Citations increase when data is made available alongside the publication

And in the future – more impact on the qualification system is needed

