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*National Board of Scholarly Publishing*

# Proposal to NordForsk for integrating the Nordic List with other development projects

Copenhagen, Denmark  
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# Nordic Research Information System (NordRIS)

- Integrated data and analysis on publications to support responsible research evaluation, statistics and science policy in the Nordic countries

# The Nordic List

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## Information

The Nordic List consists of a common bibliographic dataset on the publication channels listed in each of the three countries national databases. The lists are joined technically in a cloud solution which will give all the countries common duties to contribute to the list and equal rights to use it.

The objectives of the Nordic collaboration on publication channels are:

- to reduce and share the burden of maintaining bibliographic data concerning publication channels,
- to improve and refine the data quality contained in each national database and provide for greater comparability,
- to facilitate and improve analysis of research output at the national level and comparatively between Nordic countries.

## Data sources

The Nordic List is a common dataset based on national lists of authorized research publication channels from Denmark, Finland and Norway.

The list will also contain information on open access channels via imports of data from DOAJ (Directory of Open Access Journals).

Other sources:

- ISSN
- Scopus

## Participants

Denmark

- FI - Styrelsen for Forskning og Innovation
- Uddannelses- og Forskningsministeriet

Finland

- TSV - Tieteellisten Seurain Valtuuskunta
- OKM - Opetus- ja kulttuuriministeriö
- CSC - Tieteen tietotekniikan keskus

Norway

- NSD - Norsk senter for forskningsdata
- UHR - Universitets- og Høgskolerådet
- Det nasjonale publiseringsutvalget

Sweden

- VR - Vetenskapsrådet
- KB - Kungliga biblioteket

Iceland

- RANNIS - Rannsóknamiðstöð Íslands

Faroe Island

- Fróðskaparsetur Føroya

Greenland

- Ilisimatusarfik, University of Greenland

Nordic level

- NordForsk

# Further work

- Using, enriching and running the Nordic list
- Synergies with other Nordic and European initiatives
- New Nordic co-ordination

# On the Agenda, but still unsolved...

- Commercial databases, Web of Science or Scopus, do not provide complete coverage of research output in any field, and in SSH fields they suffer from severe lack of coverage of books and publications in languages other than English.
- Science policy and research evaluation at all levels of the European Research Area need reliable, comparable, and comprehensive information on research activity, productivity and quality.
- The Noria-NET report *Comparing Research at Nordic Universities using Bibliometric Indicators* (Nordforsk, Policy Paper 4/2017) recommended a complete standardization and verification of the five Nordic countries' data sets for future analyses of SSH research.

# Earlier Nordic collaboration in Research Information Management

## Bibliometric reports

NordForsk has funded development of research performance indicators and analyses in the framework of the Noria-net.

The network has produced three reports (2011, 2014, and 2017) based on Web of Science (WoS) to measure and compare research in the Nordic countries.

## The Nordic List

The Nordic countries have shared experiences, harmonized the national publication channel lists, and implemented the Nordic list, an integrated register for publication channels. The project was funded by NordForsk and The Presidency of the Nordic Council between 2016-2018.

## Integration of national publication data

Norway and Finland have participated the pilot project in the framework of EU Cost Action ENRESSH network. The pilot demonstrated the use of the Finnish VIRTAsystem as a solution for integrating national publication databases

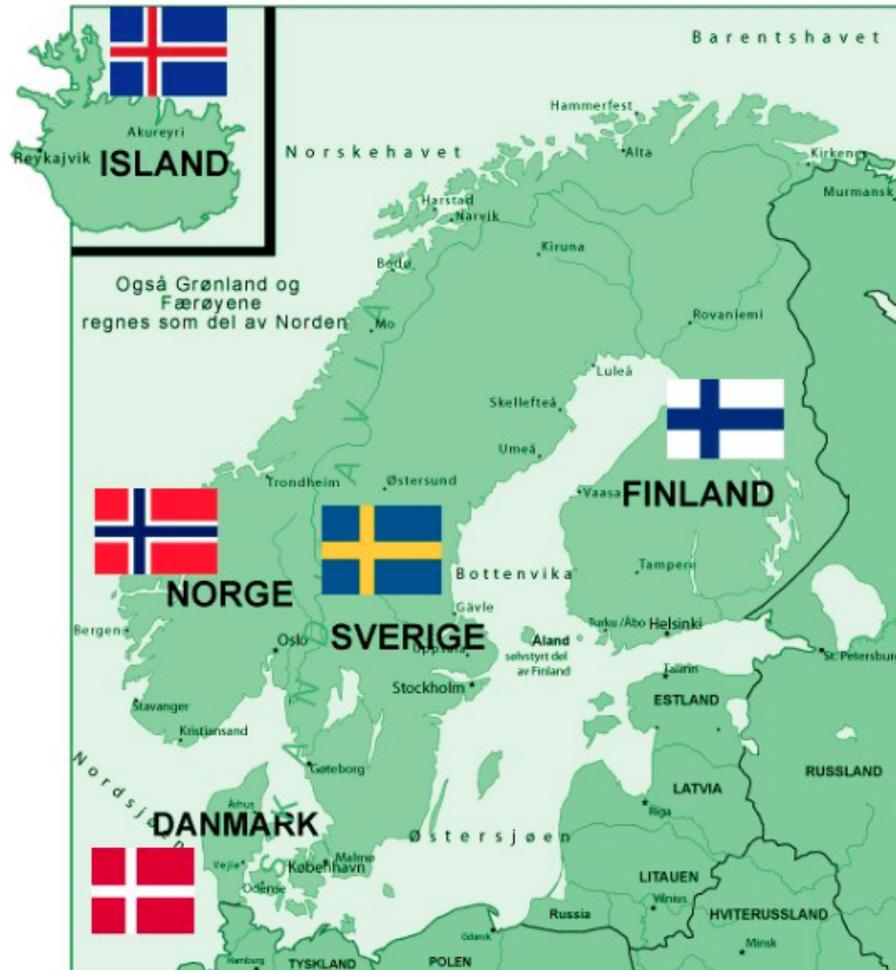
# Development at national level

- The Nordic countries have invested heavily in the development of national publication data and indicators of research performance.
- The main difficulty of standardization and interoperability of research information at the European level is the variety of national systems, processes and data models.
  - In Denmark, Finland and Norway, the national data cover all fields of science, and are currently being used as a basis for performance-based research funding systems (PRFS) for allocating core funding to universities (Sivertsen 2016).
  - However, this national research information has not yet reached its full-potential for cross-country comparisons and international benchmarking.
- Many countries are facing a similar problem at national level when they compile information from research organizations using various local research information systems (CRIS), e.g.:
  - Norway: a national CRIS used by all organizations
  - Denmark: data integrated from local PURE systems in a national database
  - Finland: data integrated from various local CRISes to a regional database

Proposal of a Nordic collaboration project:  
Nordic Research Information System (NordRIS)

## Nordic Research Information System (NordRIS)

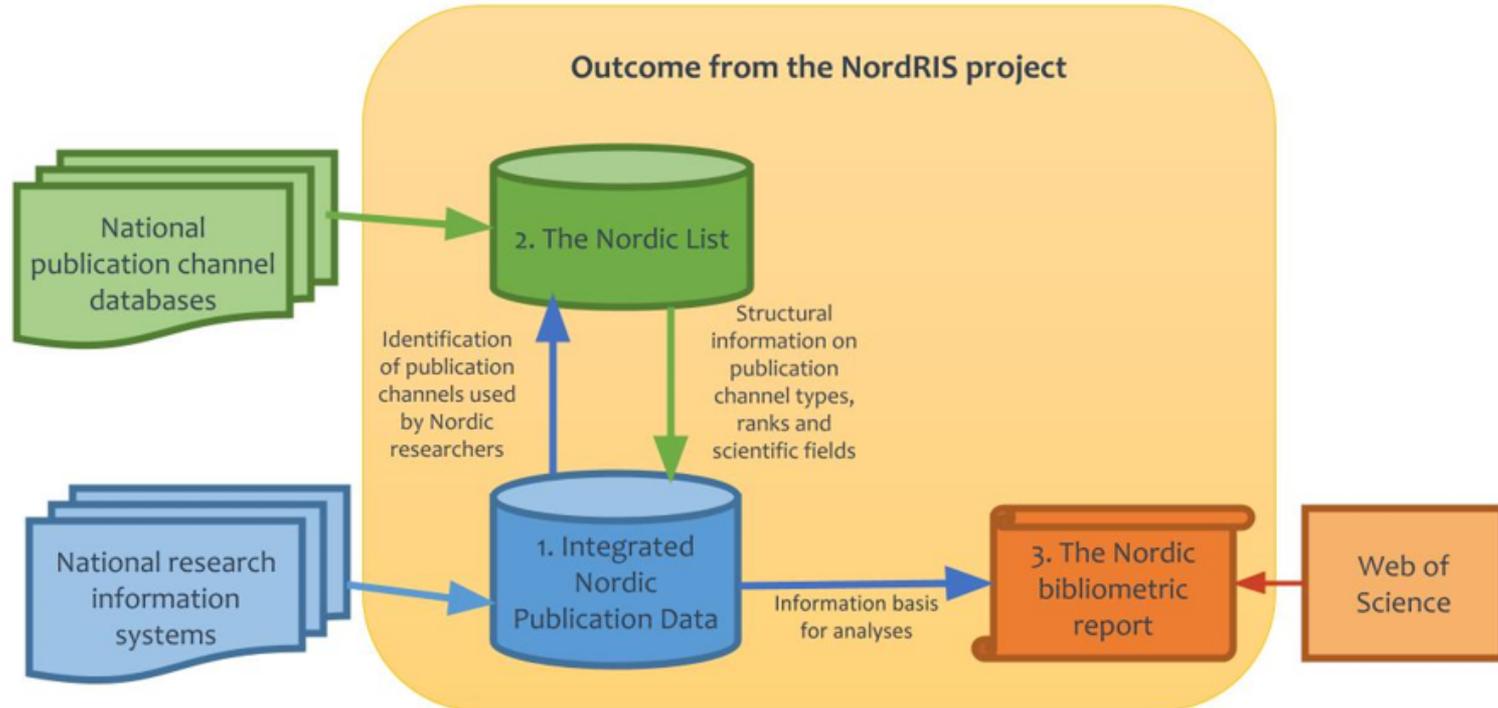
Integrated data and analysis on publications to support responsible research evaluation, statistics and science policy in the Nordic countries



# Objectives

- The goal of the Nordic bibliometric collaboration project is to create a Nordic Research Information System (NordRIS) including
  - Comprehensive and high quality **integrated Nordic publication data**
  - Further development of the **Nordic List** built upon the work done in the Nordic list project.
  - Information basis for bibliometric analysis at Nordic level, namely the biannual **Nordic bibliometric report**.
- Consistent, up-to-date and comparable data would be available for research evaluation and dissemination of research results at Nordic level.

# Outcome



# Work packages

## **WP1 The Integrated Nordic Publication Data**

Integration and harmonization of each Nordic country's national data into one Nordic publication database based on the concept of Finnish VIRTAs

**Coordination:** CSC, Finland

## **WP2 The Nordic List**

Finalization of the work of the previous Nordic List project: integration of the national authority lists and implementation of the web interface .

**Coordination:** TSV, Finland

## **WP3 The Nordic Bibliometric reports**

A biannual update of the bibliometric WoS report based on Web of Science (2019 and 2021) and bibliometric report based on the integrated Nordic publication database and the Nordic List (2021).

**Coordination:** NIFU, Norway

# Stakeholders

<b>Denmark</b>	<ul style="list-style-type: none"><li>• SFU – <u>Styrelsen for Forskning og Uddannelse</u>, <u>Uddannelses- og Forskningsministeriet</u> (Danish Agency for Science and Higher Education, Ministry for Higher Education and Science)</li><li>• CFA - University of Aarhus - to be confirmed</li></ul>
<b>Finland</b>	<ul style="list-style-type: none"><li>• TSV – Tieteellisten Seurain Valtuuskunta (Federation of Finnish Learned Societies)</li><li>• OKM – Opetus- ja kulttuuriministeriö (Ministry of Education and Culture)</li><li>• CSC – Tieteen tietotekniikan keskus (IT Center for Science)</li><li>• Academy of Finland</li></ul>
<b>Iceland</b>	<ul style="list-style-type: none"><li>• RANNIS</li></ul>
<b>Norway</b>	<ul style="list-style-type: none"><li>• NSD – Norsk samfunnsvitenskapelig datatjeneste (Norwegian Centre for Research Data)</li><li>• Universitets- og Høgskolerådet (Universities Norway)</li><li>• UNIT (CRISTIN)</li><li>• NIFU - Nordic Institute for Studies in Innovation, Research and Education</li></ul>
<b>Sweden</b>	<ul style="list-style-type: none"><li>• VR – Vetenskapsrådet (The Swedish Research Council)</li><li>• KB – Kungliga biblioteket (The National Library) - to be confirmed</li></ul>
<b>Nordic level</b>	<ul style="list-style-type: none"><li>• NordForsk</li></ul>
<b>Europe</b>	<ul style="list-style-type: none"><li>• ENRESSH - European Network for the Research Evaluation in Social Sciences and Humanities</li></ul>

# Organization

- CSC – IT Center for Science, Finland as the formal applicant of the NORDRIS project and responsible for project administration and financial reporting and accounting
- Each work package has a coordinator responsible for its organization and progress:
  - WP1: CSC, Finland
  - WP2: TSV, Finland
  - WP3: NIFU, Norway
- The **steering group** monitors the collaboration and development of the NORDRIS project and consists of two representatives from each Nordic country.
- The practical issues of work packages will be agreed and processed in corresponding **working groups**.
- A **stakeholder seminar** introduces the outcome of the project and supports dialogue with relevant bodies, such as science policy makers, research organization, libraries, and researchers

# Resources in Person Months and EUROS

	2019	2020	2021
<b>WP 1: Integrated Nordic Publication data:</b> Technical and contextual development of the database, public interface and bibliometric analysis tools + server and maintenance costs	13 PM + 14 000 EUR	12 PM + 14 000 EUR	11 PM + 14 000 EUR
<b>WP 2: The Nordic List</b> Transfer from NSD to CSC, further technical development and improvement of the data quality + server and maintenance costs	11 PM + 4,000 EUR	5 PM + 4,000 EUR	3 PM + 4,000 EUR
<b>WP 3: The Nordic Bibliometric Report</b> Web of Science report in 2019 and 2021 National publication data report in 2021	4 PM		8 PM
<b>Administration</b> Project management	4 PM	4 PM	4 PM
Travel and <u>event costs</u>	18,000 EUR	18,000 EUR	18,000 EUR
<b>Total</b>	<b>32 PM + 36,000 EUR</b>	<b>21 PM + 36,000e</b>	<b>26 PM + 36,000e</b>

# Presented for NordForsk

- A draft proposal of our application was presented for NordForsk in Oslo the 15<sup>th</sup> of October 2018
- Feedback from NordForsk: In the application we have to address how this project can support the Nordic countries' strategies for transition to open science (PlanS etc....).

The logo for UR Universities Norway is centered on a blue background. It features the letters 'U' and 'R' in a large, bold, white sans-serif font. A vertical colon is positioned between the 'U' and the 'R'. To the right of the 'R', the words 'Universities' and 'Norway' are stacked vertically in a smaller, white sans-serif font.

**U:R** Universities  
Norway