

Research Portal Denmark well on its way

Data is pouring in to create a new overview of Danish research – First services available at New Year's

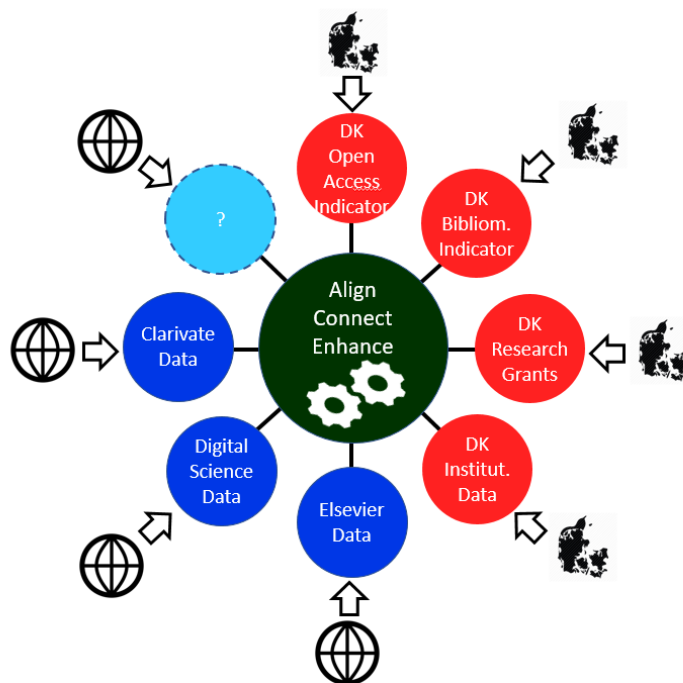
Research Portal Denmark is the name of a national initiative, which will enable robust and open insights into and analysis of Danish research. Research Portal Denmark focuses on insights at the national level and thus supplements institutional systems with a focus on the individual institution and its units and supplements global 'research intelligence' systems which offer insight and analyses at the global level

Research Portal Denmark is developed for the Danish Agency for Higher Education and Science by NORA (National Open Research Analytics) – a team fully dedicated to this national task and part of DTU's IT-organisation at Risø. The NORA team has for several years run and developed the Danish Open Access Indicator <http://oaindikator.dk/en/>. Read more about the Research Portal and NORA at forskningportal.dk

Progress is made along the three action lines:

1. An infrastructure with data on Danish research integrating relevant data from institutional, national as well as global sources
2. An open web-portal with search function and analytical features
3. A collaborative organization including stakeholders and experts from the Danish research landscape.

1. Data infrastructure



Many data sets could be relevant to integrate in this infrastructure. As a first step, data from 2011 and onwards is collected from four Danish sources:

- The Danish Open Access Indicator
- The Danish Bibliometric Research Indicator
- Danish grants from the Independent Research Fund Denmark

- Local publication data from approximately 20 Danish research institutions – In part as a replacement for the former Danish National Research Database

And data about Danish research from 2011 and onwards from three global sources:

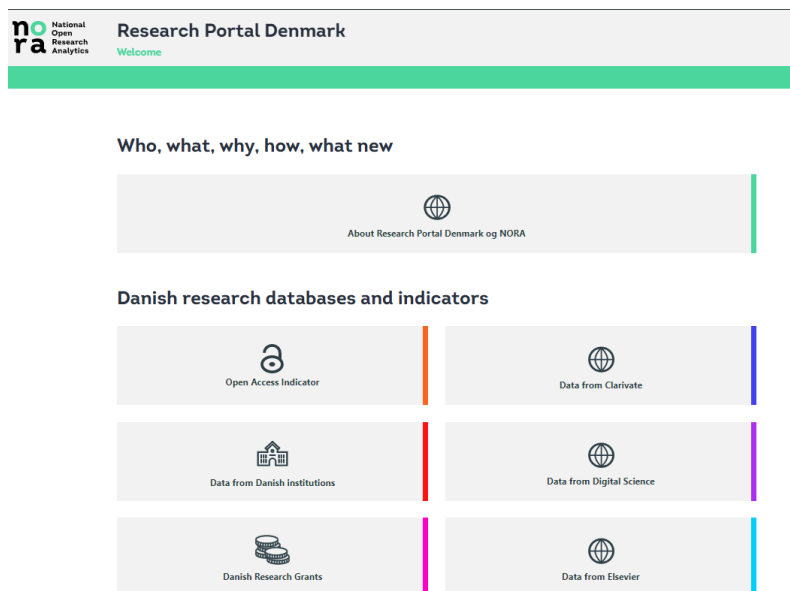
- Clarivate – known for Web of Science (1 year pilot)
- Elsevier – known for Scopus (1 year pilot)
- Digital Science – known for Dimensions (1 year pilot)

For every source, a database is established. At the same time data from all databases are:

- Enriched with normalized names and concepts for those aspects which are most important for national research analyses
- Enriched with data from the two Danish research indicators
- Enriched with links to records in other databases which describe the same object (publication, data set, patent, and similar)

Towards New Year 2022, the focus will be on publication data from the mentioned Danish and global sources as well as grant data from the Independent Research Fund Denmark. Then we will work with adding further data types such as data sets, patents, clinical trials, etc. – and grants from other Danish funders

2. An open web portal



Research Portal Denmark <https://forskningsportal.dk/> has just been launched with descriptions of the many aspects of the initiative and the NORA team. The portal works as a common entry point to the Danish Open Access Indicator and the five new databases ready from New Year 2022

Research Portal Denmark will thus provide a new and unique overview of Danish research in the way it is reflected in national as well as global sources – with the possibility of using the links between the databases to analyze coverage in scope (via the search function) as well as coverage in depth/quality of indexing (via hyperlinks between records that describe the same object).

At New Year, version 1 of the portal's functions will be launched with focus on publication data and search functionality. Search functionalities are developed with a view to simple as well as more

complex needs, together with a range of filtering functions exploiting the infrastructure's normalization of relevant name variations and concepts. The focus will be on:

- Evaluating and improving the portal and the functionality of the search function
- Exploiting further data types such as data sets, patents, clinical trials etc. – as well as grants from other Danish funders
- Developing analytical modules on e.g. green research and innovation impact etc. – in the form of interactive dashboards as well as analytical reports
- Importing other relevant data sources – national and global.

3. Collaborative organization

Work is ongoing to build a broad collaborative organization including stakeholders from the research landscape as well as experts and experienced practitioners from the field of research analytics. This to ensure (1) The relevance of the Research Portal – by involving representatives at the level of decision-making – and (2) The quality of the Research Portal – by involving analytics experts to engage in sparring and co-creation when the analytics modules are being developed

The collaborative organization is planned to with several elements, the first of which has already been realized:

- The working group for national database and search portal, which gathers representatives for the databases and data contributions of the research institutions <https://www.nora.dtu.dk/da/arbejdsgrupper/>. The working group is well on its way and currently meets once a month. The working group assists the NORA team with expert knowledge, sparring and qualified input regarding the development of a replacement for the previous Danish National Research Database. The members of the working group are appointed by the Universities' Pure steering committee, the University Colleges, the Danish Hospitals, and the Danish Agency for Higher Education and Science
- An high-level Advisory Board with representatives of the Research Portal's stakeholders at a decision-making level
- A working group with experts and experienced practitioners in the field of research analytics, which will assist the development of the three global pilot databases and contribute with sparring and co-creation when the analytics modules are developed
- Temporary reference groups for individual analytics modules to ensure specialized stakeholder involvement during the developmental phase of these modules