Open Access in Denmark – new politics and demands
Open Science covers the work of implementing Open Access to research publications, as well as preserving and ensuring access to research data.

- Open Access to peer-reviewed scientific articles
- Open Access to research data
Political background – Open Science

• In 2007 the Danish Government endorsed the EU Council’s conclusions concerning "Scientific information in the digital age: access, dissemination and preservation”.

• Open Access committee placed under the Steering Committee for Denmark’s Electronic Research Library (DEFF) – recommendations for implementation of Open Access in Denmark 2011 (report)

• 2012: Commission Recommendation on access to and preservation of scientific information.

• December 2012: Denmark’s national innovation strategy: Denmark – a nation of solutions: Initiative 17: Strengthen commercial access to knowledge: “…..there will be an effort to increase access to publicly financed research articles “.

• September 2013: Open Access to scientific articles - Internal report, Danish Agency for Science, Technology and Innovation.
Danish National Strategy for Open Access to Scientific Articles

• Announced on EuroScience Open Forum (ESOF) in Copenhagen 24th of June 2014

• Minister for Higher Education and Science Sofie Carsten Nielsen presents the strategy at NordForsk-session: Scientific Impact and Open Access

Foto: NordForsk/Terje Heiestad
Danish National Strategy on Open Access

Vision

To create free access for all citizens, researchers and companies to all research articles from Danish research institutions financed by public authorities and/or private foundations.
Danish National Strategy on Open Access to Scientific Articles

Targets

To achieve by 2017 via digital archives – repositories – unimpeded, digital access for all to 80 per cent of Danish peer-reviewed scientific articles from Danish research institutions published in 2016.

To achieve from 2022 and onwards unimpeded, digital access for all to 100 per cent of all Danish peer-reviewed scientific articles from Danish research institutions published from 2021 and onwards.
The National Strategy on Open Access - focus areas

• Primarily the **green model** – the **golden model** is ok if it doesn’t imply extra costs for publishing

• Examine the opportunity for a long-term cost-effective transition to the golden model

• Collaboration between relevant actors – **no legislation**

• Ensure that that researchers keep part of their copyright
The National Strategy on Open Access - focus areas (2)

• The implementation of Open Access is to be monitored on an ongoing basis

• Researchers are to be informed of the practical use of the infrastructure by publishing in Open Access

• Companies are to be informed of the opportunities to obtain state-of-the-art research for their innovation

• one well-functioning platform for general dissemination of Danish Research findings must be created
Implementation based on two core principles

• The implementation of Open Access is to **support the possibility** for Danish researchers to continue to publish in the most recognized national and international journals, and also the possibility to publish in Danish-language journals

• The aggregate public expenditure for scientific publication **must not increase** significantly as a result of the implementation of Open Access
Definitions of key concepts
Definitions of key concepts - the National Strategy for Open Access

Focus: Scientific articles in journals and anthologies, including conference contributions.

Scientific monographs, patents and Ph.D. and doctoral dissertations are exempted.
Definitions of key concepts (2)

The Green model

Green Open Access refers to publication in a quality-assured journal coupled with parallel filing of the final quality-assured version of the researcher’s article in a digital archive – a repository – to which there will be open access for all interested persons via the Internet – potentially after a waiting period if required by the journal.
Definitions of key concepts (3)

The Golden model

The journal as such is published as Open Access, and all its articles are made immediately accessible online free of charge. The costs are covered either by an editing organisation or through author processing charges (APC) that are paid for each individual article.

For the time being, this model implies, however, considerable extra costs for public authorities in relation to the existing model of publication according to which payment for reading the articles is covered through subscriptions.
Why a national policy?
To increase return on investment in research for the benefit of society!
What are the benefits?

- **Public service**: Public service will be improved, for instance through improved access by doctors, teachers and so on.

- **Industry competitiveness**: The ability to innovate and hence, the competitive position of the companies will also improve.

- **Quality of and transparency in research**: Impact both on the integrity and the quality of research, including the appearance of new models of peer review.

- **Cross-disciplinary research** and exchange of knowledge and ideas across professional boundaries and scientific fields at the universities will be easier.

- **The visibility of researchers and universities** will be reinforced.
### Status - Realised potential of Open Access (articles in the bibliometric research indicator)

<table>
<thead>
<tr>
<th>Year</th>
<th>Scientific articles (journals)</th>
<th>Scientific articles in Open Access (journals)</th>
<th>Realised potential of Open Access</th>
</tr>
</thead>
<tbody>
<tr>
<td>2009</td>
<td>12,773</td>
<td>620</td>
<td>4,9 %</td>
</tr>
<tr>
<td>2010</td>
<td>13,402</td>
<td>682</td>
<td>5,1 %</td>
</tr>
<tr>
<td>2011</td>
<td>15,385</td>
<td>952</td>
<td>6,2 %</td>
</tr>
<tr>
<td>2012</td>
<td>16,726</td>
<td>1,171</td>
<td>7 %</td>
</tr>
<tr>
<td>2013</td>
<td>16,263</td>
<td>1,790</td>
<td>11 %</td>
</tr>
</tbody>
</table>

Aarhus University, 27.10.2014 - Special Adviser Hanne-Louise Kirkegaard
How to promote Open Access?
Danish National Strategy on Open Access - How to do it?

- National Steering Committee on Open Access
- Appointed by the Minister for Higher Education and Science in 2014
National Steering Committee on Open Access

Target

To coordinate the implementation and development of the National Strategy for Open Access
Mandate - The National Steering Committee for Open Access

• The public expenditure for scientific publication must not increase significantly

• Danish researchers’ freedom of publication must not be restrained

• The national strategy is the basis for the Steering Committee’s work

• The Steering Committee may suggest to the Minister changes of the strategy
Target group - the National Steering Committee on Open Access

• The 8 Danish Universities
• Public research councils and public and private foundations
• Governmental research institutions
• Denmark’s Electronic Research Library (DEFF)
• Researchers and research areas
Working modalities – The National Steering Committee on Open Access

- The committee is run by the Danish Agency for Science Technology and Innovation
- The steering committee must ensure that external stakeholders can contribute to the committee’s work
- The committee itself decides and organises what to be done according to its mandate
- The committee can decide to set up task forces for special issues of a technical character
- The committee must report to the minister at least every half year
Members of the Steering Committe (1)

Director General Hans Müller Pedersen (Chairman), The Danish Agency for Science, Technology and Innovation

Professor Jan Philip Solovej, The Danish Council for Independent Research

Professor Birgitte Possing, Danish National Research Foundation

Forskningschef Anne-Marie Engel, Lundbeck Foundation

Scientific Officer John Peter Wittschieben, Novo Nordisk Foundation

Direktør Erland Kolding Nielsen, The Royal Library on behalf of the governmental research institutions (SEDIRK)

Chairman Børge Obel, Denmark’s Electronical Research Library (DEFF)

Dean John Renner Hansen, University of Copenhagen
Members of the Steering Committee (2)

• Library Director Per Lindblad Johansen, Aarhus Universitet

• Library Director Mogens Sandfæ, Technical University of Denmark

• Library Director Bertil F. Dorch, University of Southern Denmark

• Senior Librarian Niels-Henrik Gylstorff, Aalborg Universitet

• Senior consultant Lars Nondal, Copenhagen Business School

• Senior Librarian Claus Vesterager Pedersen, Roskilde University

• Associate Professor Espen Aarseth, IT University of Copenhagen

• Senior Adviser, P.h.D, Charlotte Greve, University Colleges Denmark

• Head of Division Kresten Bay, Ministry of Culture Denmark (observer)
Timetable 2014-2015 - The National Steering Committee on Open Access

• **1st meeting 23 April:** Organising of the task

• **2nd meeting 17 June:** Discussion of which initiatives to implement

• **3rd meeting 24 September:** Decision on initiatives, set up of task forces and discussion of incentives

• **November** - Progress report to the Minister

• **4th meeting 28 January:** Reports from the task forces and discussion on incentives and preparing the next steps etc.
Selected initiatives in 2014-2015

• Implementing of ORCID (researcher-ID) - DEFF

• Redesign og konsolidation of the Danish Research Database – DEFF

• Development of an Open Access Barometer – task force has been set up

• Technical solution for Danish Journals with Open Access - task force has been set up
Funding

No funding – only limited seed money for smaller projects!
Open Access - parameters for succes (1)

Universities and Governmental Research Institutions

• Local Open Access policy supported by management
• Local infrastructures must be in place
• Campaigns, incentives and service directed at researchers
• Information to companies of the opportunities to obtain state-of-the-art research for their innovation
• Realise the potential for legal Open Access which is unexploited!
Open Access - parameters for success (2)

Public research councils and public foundations
• Enforce the Open Access policy adopted in 2012!

Private research foundations
• Support the national strategy by adopting local policies on Open Access
Denmark’s Electronic Research Library (DEFF)

• Negotiations with publishers in favour of targets of the National strategy

Researchers

• Use the right to green Open Access, if the journal allows Open Access
• Ensure that researchers keep part of their copyright
Open Access - parameters for succes (4)

Government

• Political support for and focus on Open Access

• Push the process forward by coordinating measures, e.g. running and chairing the National Steering Committee on Open Access

• International cooperation and alignment of policies
Thank you!

More information on Open Access can be found on the Danish Ministry of Higher Education and Science´s webpage: www.ufm.dk