



# **Towards a Danish Roadmap for Research Infrastructures**

**Sine Larsen**

**Member of the Board of the Danish Strategic Research Council  
Director of Research, European Synchrotron Radiation Facility, France**



## Outline:

- The Background for the Roadmap
  - **National Survey on Research Infrastructures**
  - **Denmark in the Global Economy**
- A New Danish Programme for Investments in Research Infrastructures
- ESFRI's Roadmap from a Danish point of view

## National Survey on Research Infrastructures

Initiated April 2004

Emphasizing the need for advanced research infrastructures, Danish Minister for Science and Technology asked the Strategic Research Council to conduct a survey of :

- The use of existing national and international infrastructures,
- The needs for upgrades of existing infrastructures
- The needs for access to new national and international infrastructures
- Propose a strategy for the area

**Cover all research areas**

## The Process

- Creation of a working group
- Definition of large infrastructures in the different areas
- Formulation of questionnaires on use and needs
- Dialogue with the research community (conference)
- Feedback on ESRFRI roadmap
- Analysis of the questionnaires
- The results of the survey
- Publication of the results

## The Results

Needs for an immediate upgrade of existing infrastructures (40 ME)

Needs for investments in new national infrastructures (270 ME) over 8-10 years

Needs to participate in new international infrastructures  
Significant increase in the contribution

Identification of specific problems

Libraries, collections



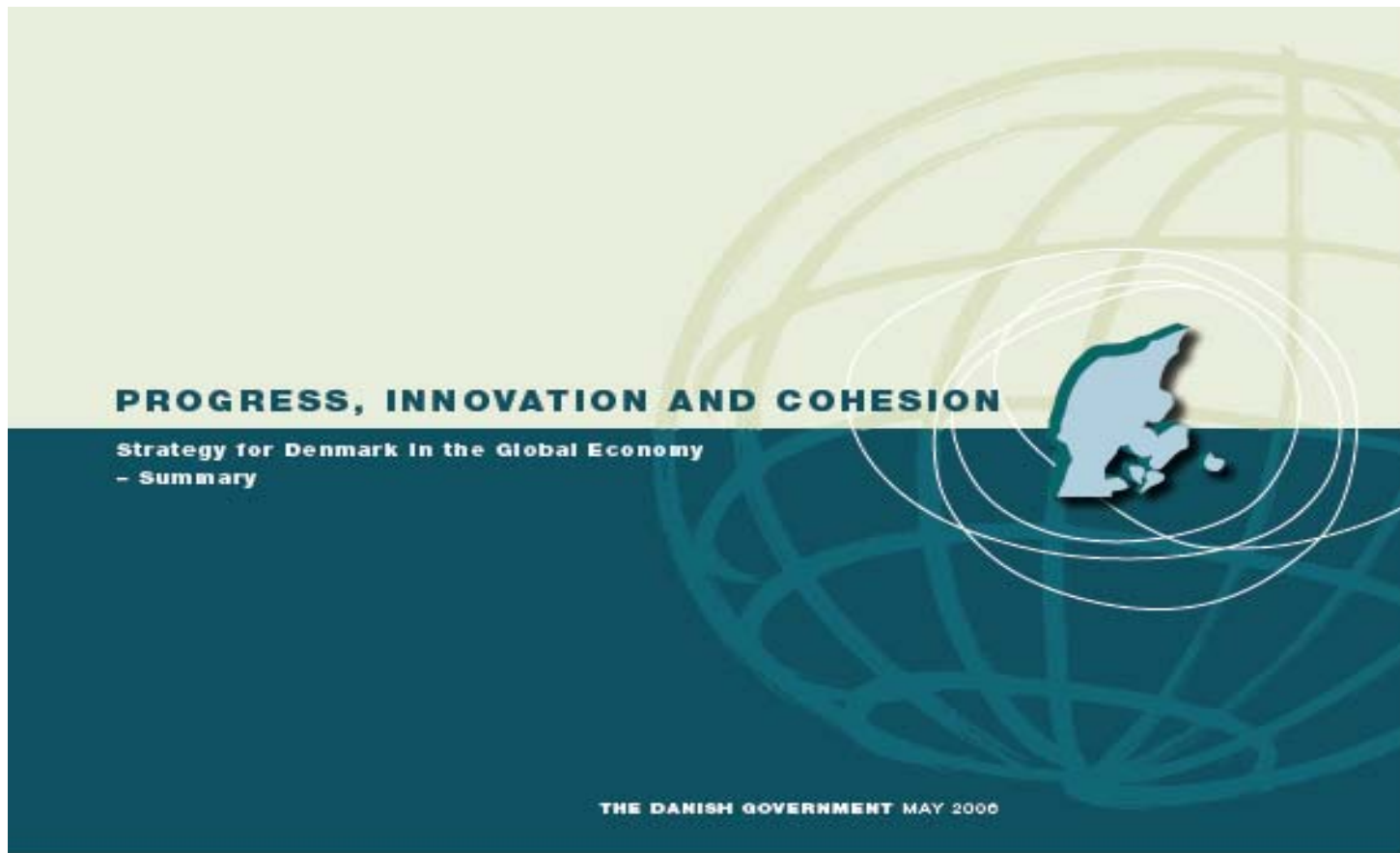
## A strategy of Denmark in the Global Economy

April 2005 Danish Government initiated the work on the strategy

Series of meetings with international and national experts held April 2005 to February 2006



# Strategy for Denmark in the Global Economy



**April 2006**

## Strategy for Denmark in the Global Economy

- The focus is on better and stronger education, research and innovation
- Money put aside in the coming years, as the Danish Government fulfils its commitments under the Barcelona strategy – promising an annual public research funding of 1 percent of the GNP in 2010
- Money for a national programme for investments in Research Infrastructures is one important initiative, 600 MDKK over 3 years.



## The Danish programme for investments in research infrastructures

# The new Danish programme for research infrastructures will support.....

- Establishment of large, national research infrastructures
- Danish participation in international research infrastructures
- Design studies, feasibility studies etc.

## Who can apply?

- Universities and other research institutions (Top management)
- – hopefully in consortia's that includes all relevant Danish research institutions

## Guiding principles

- All projects will be examined with regards to both their scientific value and the possible strategic impact
- Possibility for prioritization between national and international projects within all fields of science
- Projects will only be funded if the realization of the project is in line with the strategic planning of the potential host institution

## The Process has started

- Deadline for applications for design studies and expressions of interest on May 9
- Evaluation process and dialogue in the autumn
- Minister will decide on funding before the end of the year
- This process will provide a solid knowledge of Danish needs and create the basis for the establishment of a national roadmap on Research Infrastructures - including the Danish priorities regarding the ESFRI Roadmap

## ESFRI – roadmap from a Danish point of view



# The ESFRI Roadmap

## 1. Step - a national hearing

- In November 2006 a hearing procedure was initiated amongst Danish research institutions and councils (80 parties were addressed)
- Indications of
  - interests in a role as a facility *host*
  - interests in a role as facility *partner* (incl. leading partnership)
  - interests in a role as *user* of the facility
- The feed back focuses on 10-12 of the roadmap initiatives

# Next steps – Developing a National Roadmap

- The national program for research infrastructures
- First results from the national design studies, feasibility studies
- First results from the FP7 preparatory phase regarding the ESFRI-project with Danish participation
- Evaluation of current Danish membership of international research infrastructures to start in 2008