



The Danish research and innovation system



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The Danish Agency for Science, Technology and Innovation





Headlines

- Brief presentation of the set up of the Ministry and of DASTI
- What has happened during the last decade?
- Recent trends
- New steps in Danish Innovation Policy





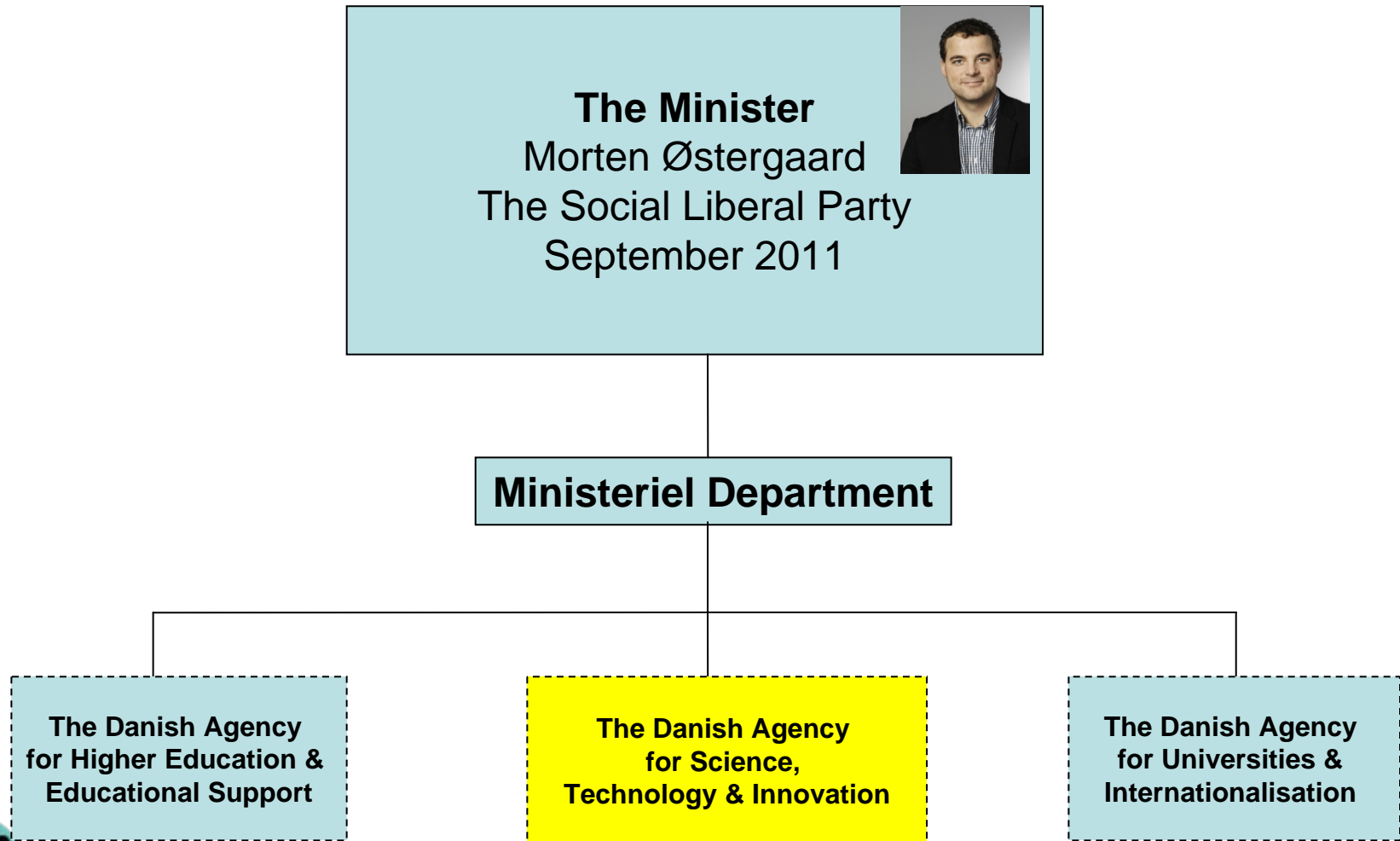
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Ministry of Science, Innovation and Higher Education





DASTI – Danish Agency for Science, Technology and Innovation

Employ apx 220 staff

Overall budget apx 600 MEuro

Two main tasks



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Organisational development and current setting (the silent revolution)

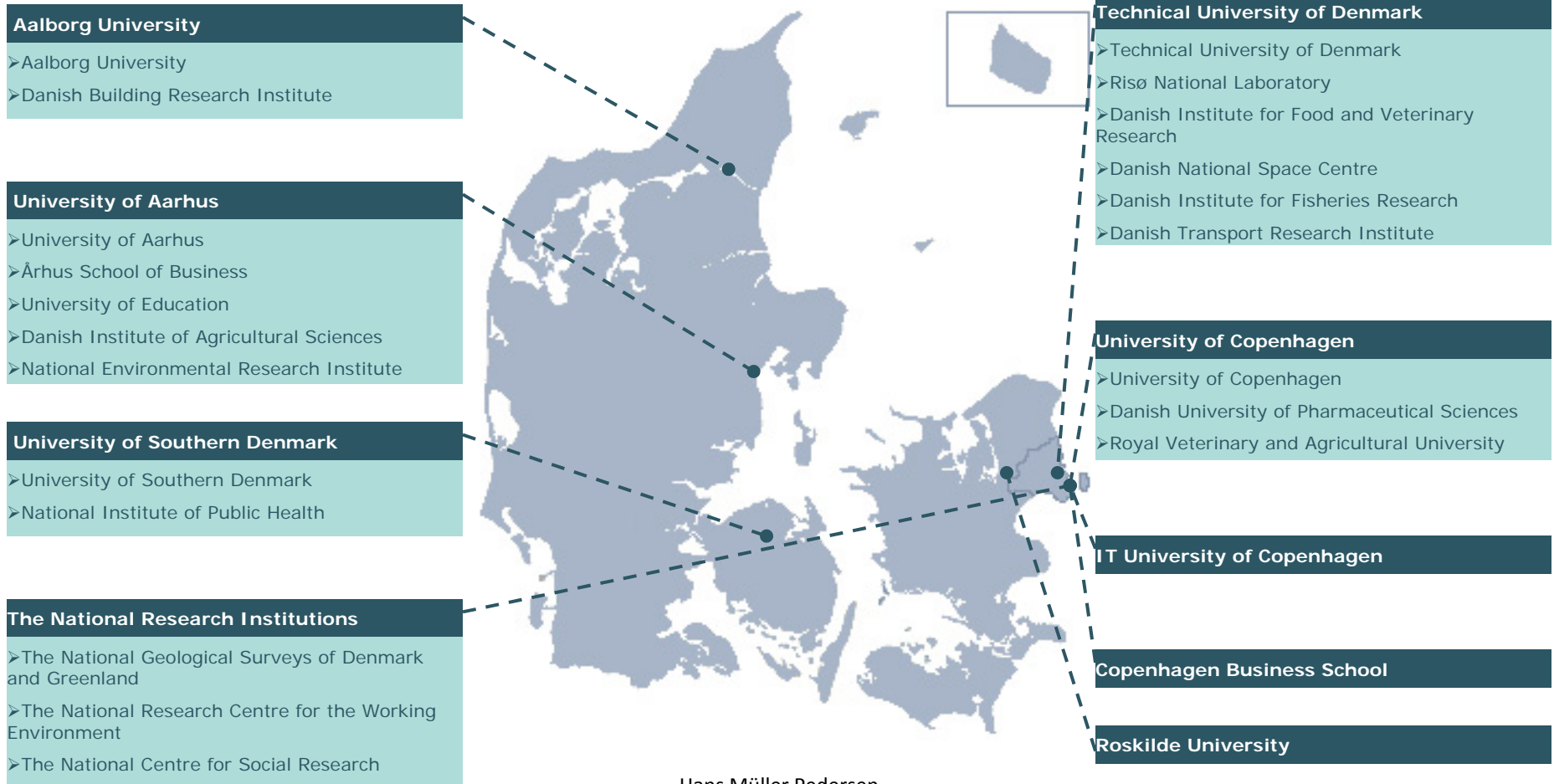
- Ministry of Science, Technology and Innovation established in 2002 as the first of its kind in the World
- Governance Reform 2003 in Danish universities
- The Globalization Strategy launched 2005/06
- Mergers (Universities and National research Institutions) 2007-08
- Change of set up of research allocation bodies 2003 and 2008





University structure 2007

- Universities (12 → 8)
- Research institutions (17 → 3)



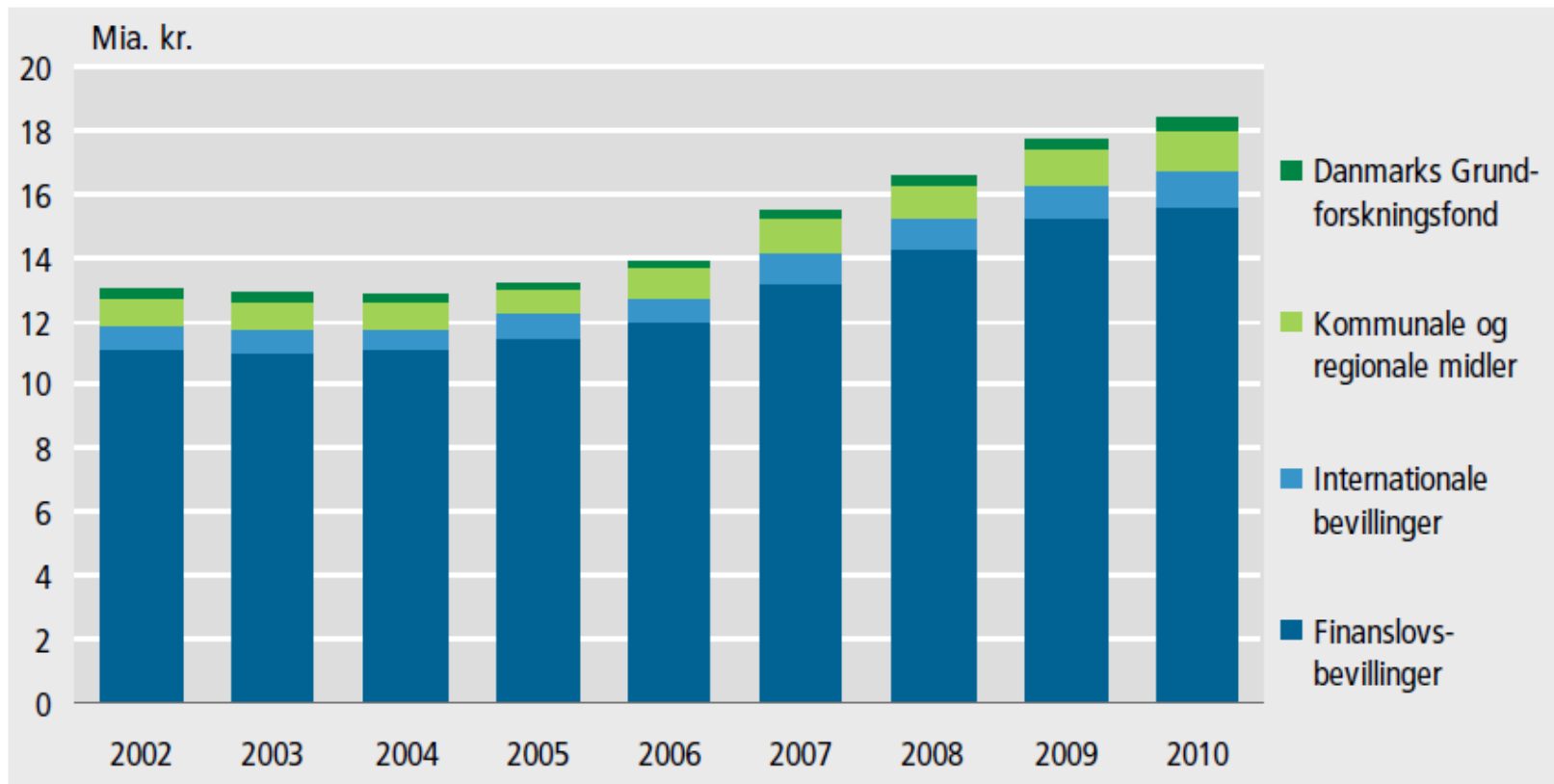


The Danish R&D allocation bodies

Basic research		Applied research and knowledge-dissemination		
Danish National research foundation	Danish council for independent research	Danish council for strategic research	Danish council for technology and innovation	Danish foundation for advanced technology
49 M€	163 M€	129 M€	141 M€	80 M€
<p>Center grants. Typically 40 – 50 MDKK 5 – 10 year grants Heavily co financed from Uni.</p>	<p>Individual grants and minor projects Typically 2-5 MDKK 2-3 year grants</p>	<p>Centers Networks Large projects Minimum 10 MDKK – maximum 50 MDKK</p>	<p>Result Contracts with GTS Networks Projects Commercialization</p>	<p>Projects Typically 10 – 30 MDKK Uni. – Comp. Heavily co financed from comp.</p>



The National budget for research (fixed 2010 prices)



 83 % is on the state budget. 62 % is “core grants”; 38 % is competition grants



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Educational goals

Where are we now?

90%



53%



23%



By 2020

95%

of all young people must complete an upper secondary education.

60%

of all young people must complete a programme of higher education

25%

of all young people must complete a long-cycle programme of higher education.





Headlines

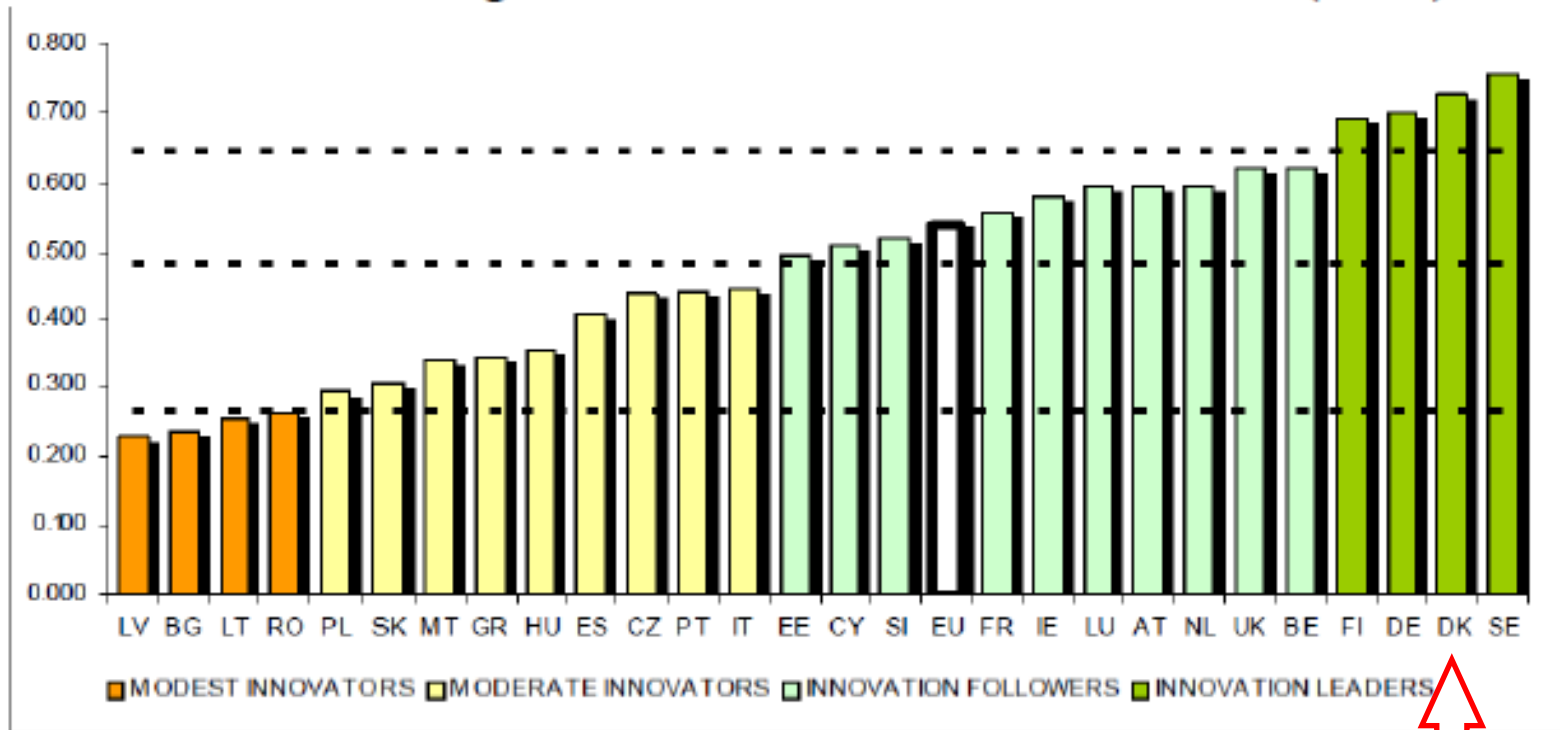
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A strong basis for innovation

Ranking in Innovation Union Scoreboard 2011 (EU27)





ERAC – European Research Area Committee



**Paul
Cunningham**



**Kimmo
Halme**

Peer-Review of the Danish education,
research and innovation system



**Arie van
der Zwan**



**Wolfgang
Crasemann**



Petri Lehto



**Otto
Starzer**





ERAC peer review, Sept 2012 (I)

A strong basis for innovation...

“We have found Denmark offers an excellent example of a well-performing R&I system.”

- A strong international standing in terms of comparative international performance in most RD&I indicators.
- A strong education base with excellent higher education and research systems.
- A strong public and private sector commitment to continue to maintain the necessary levels of investment into education, research and innovation.
- A timely response to the prevailing economic conditions and identified challenges in the development of a new national innovation strategy by the Danish government which demonstrates a number of appropriate courses of policy action.
- A unique Danish approach and culture for innovation and innovation policy, which strongly reflects the country's open and dynamic welfare society.





ERAC peer review, Sept 2012 (II)

...but also a call for action:

- A large and heavy Danish public sector, which tends to dominate the R&I system.
- Concerns around insufficient growth of productivity levels and a slowing down of economic growth.
- A need for well-performing Danish companies to raise their game from the European level to the global arena in particular for Danish SMEs to exploit their niche market opportunities.
- A need to increase the visibility, both in performance and policy attention, of sectors of the Danish economy outside multinational companies in the pharmaceutical, biotechnology and energy sectors
- The existence of policy instruments in a limited number of policy areas which need further development in order for the RDI system to achieve its full potential.





New steps in research and innovation policy

- Focus more on societal challenges
- Include education in innovation policy making
- Keep focus on internationalization
- Lean the system





Thank you for your attention!

Find more info on:

<http://en.fivu.dk/>

<http://en.fi.dk/publications/2012/research2020/>

