



The
Danish Council for
Strategic Research

FAPESP Week London

Panel on International Scientific Collaboration

September 26 2013

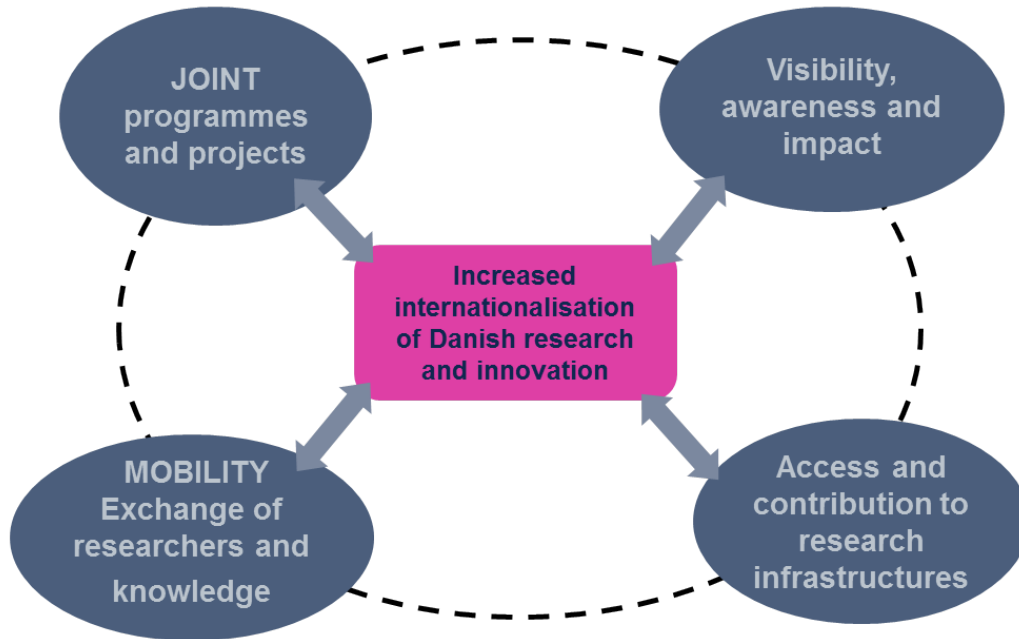
Peter Olesen
Chairman of the Board
The Danish Council for Strategic Research

What is strategic research?

- Thematically defined and politically prioritized areas
- Contributes to the solution of key challenges in society
- Interdisciplinary research
- Involves users, e.g. private companies and/or public institutions/authorities
- Basic research and applied research
 - in *international collaboration*



Why does DCSR engage in international cooperation?



- Small country, open economy
- 1 % 'national' knowledge
- Global supermarket
- Global competition between innovation societies

Strategic research to empower societal progress and business competitiveness

International grant partners 2011-12

2011: Aktive internationale partnere i DSF bevillinger - Google Maps - Windows Internet Explorer provided by Statens IT

https://maps.google.com/maps/ms?msid=202004081619578978350.0004c9f6d920d17238fda8msa=0&ll=12.751526,11.258019&spn=104.316571,227.636719

Rediger Vis Favoritter Funktioner Hjælp

Dette site er: SIKKERT Underret

Favoritter Campus Det Strategiske Forskningsr... Ekstranet - Forsknings- og I... FIVU forsider Inquisite mTID FI NY RejsUd Tilpas links Please login DSF

2011: Aktive internationale partnere i DSF bevillinger ...

+Dig Søgning Billeder Maps Play YouTube Gmail Dokumenter Kalender Oversæt Mere

Google

Få rutevejledning Mine steder


Gem i Mine steder

2011: Aktive internationale partnere i DSF bevillinger

Rød = Udenlandske SMV-virksomheder
 Grøn = Udenlandske store virksomheder
 Blå = Udenlandske forskningsinstitutioner

Offentlig - 33 visninger
 Oprettet 18. Sep. - Af - Opdateret 18. Sep.
 Bedøm dette kort - Skriv en kommentar - KML

- Surface and nano Science Lab, Institute of Physics, Academia Sinica, National Tsing-Hua University
 Bevilling fra Det Strategiske Forskningsråd: MUSE - Multi Sens platform Hovedbevillingshaver: Anja Boisen Danmarks Tekn. Universitet
- Linköping University, Centre for Climate Science and Policy Research
 Bevilling fra Det Strategiske Forskningsråd: EcoSense - Collec Sensing and Macroscopic Analysis Methods for Reducing Con and Society-level Environmental Footprints Hovedbevillingshaver: ...
- National University of Singapore
 Bevilling fra Det Strategiske Forskningsråd: ELECTROMED - Electrospun Biomimetic Nanofibres as Regenerative Medicines Hovedbevillingshaver: Flemming Besenbacher Aarhus Univ
- Key Laboratory of Nanopharmacology and Nanotoxic (KLNN)
 Bevilling fra Det Strategiske Forskningsråd: ELECTROMED - Electrospun Biomimetic Nanofibres as Regenerative Medicines Hovedbevillingshaver: Flemming Besenbacher Aarhus Univ
- Research in Pediatrics, University of Iowa
 Bevilling fra Det Strategiske Forskningsråd: NanoBar - Non-inv nanoparticle delivery of nucleic acid therapeutics across biolo barriers Hovedbevillingshaver: Jørgen Kjems Aarhus Univ
- Integrated DNA Technologies Inc.
 Bevilling fra Det Strategiske Forskningsråd: NanoBar - Non-inv nanoparticle delivery of nucleic acid therapeutics across biolo barriers Hovedbevillingshaver: Jørgen Kjems Aarhus Univ
- Norges teknisk-naturvitenskapelige universitet (NTNU)



> 85 % of all DCSR grants

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DSF-participation in ERA-NET calls related to BioEconomy

2012

- ERA-CAPS
Plant science – 1 mio. €
- ERA-IB-2
Industrial biotechnology – 1 mio. €

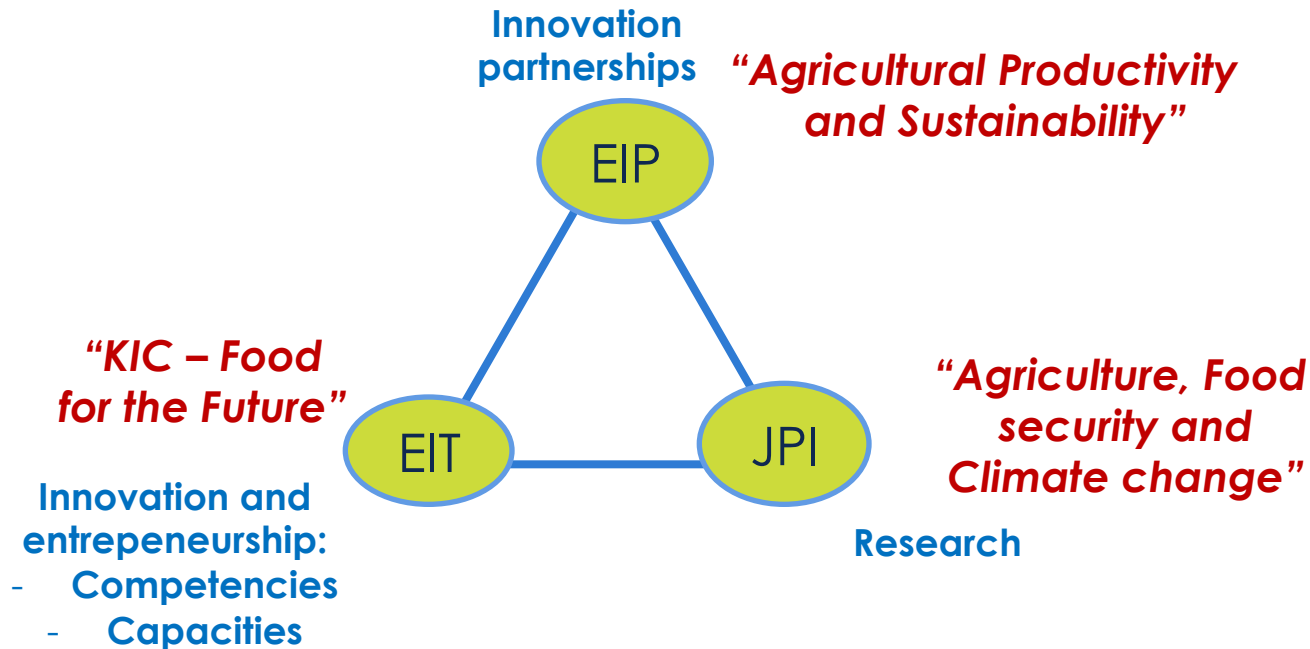


2013

- ERASynBio
Synthetic Biologi – 1 mio. €
- SUSFOOD
Sustainable food production – 1 mio. €
- ERA-NET+ within the JPI-FACCE area: 1 mio. €



European research and innovation dynamics – example **Agriculture & Food** dimension of **BioEconomy**



Securing the pathway from research
to innovation and growth



Danish participation in 9 Joint Programming Initiatives, JPI's, driven by MS's and AC's under GPC-ERAC of the European Commission



JPI's





KIC's

- **Innovation for healthy living and active ageing**
- **Raw materials**



2014

- **Food4Future**
- **Added value manufacturing**



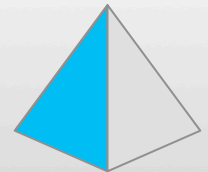
2016

- **Smart secure societies**

2018

Knowledge and Innovation Communities (KIC') are "Innovation Factories" set up by the EIT, based upon new models for creating synergies across the knowledge triangle:

- Education**
- Research**
- Business/Entrepreneurship**



Bilateral Collaboration Programmes with targeted international partners: the growth economies....JOINT CALLS & PROJECTS



Brazil (2011):
FAPESP
Food & Agric.
2.5 m USD
> 10 m appl.



China (2008):
Sust. Energy
2.5 m USD
16 m appl.



India(2009):
Health
2.5 m USD
18 m appl.



South Korea (2012):
Green Tech
New agreement
Call 2013

Challenges from DCSR viewpoint

- National rules & procedures are different
 - DCSR publishes facts on upcoming calls – some agencies never publish facts (need to follow timeline)
 - Yearly cycle in each agency – synchrony
 - Time – from agreement to action
 - Easy to agree on MoU – difficult to find money for specific cooperation (national # international)
 - Partner match vs. DCSR principles (eg., JOINT)
- Size of projects (DCSR focus on few/larger)
- Political changes can influence economy
- Level of transparency in evaluation
- Value for 1 million Euro (not the same)

Outlook – aspirations?

- Both countries are active in international research collaborations
- DK has good experience across many EU programs
- BRZ has specific high-level agreement with EC

- **Expand DK (DCSR) - BRZ (FAPESP) bilateral collaboration scheme to a broader partnership with focus on common interests in participation in EU research and innovation programmes?**
 - ERA-Nets, Joint Programming
 - Upcoming EIT KIC-initiatives in Food+ and Health
 - Focal points: Agriculture, Food and the BioEconomy



Thanks for the invitation

- and for your attention

