LÜBECK 2014 SUMMER ACADEMY ON MEDICAL TECHNOLOGY. 23-25 SEPTEMBER 2014 BIOMEDTEC WISSENSCHAFTSCAMPUS LÜBECK

OPPORTUNITIES FOR CROSS-BORDER COOPERATION WITH PARTNERS IN NORTH GERMANY
NIKOLAJ HELM-PETERSEN, INNOVATION CENTRE DENMARK, MÜNCHEN

Danske virksomheder og forskere er foretrukne partnere for eksport og forskningssamarbejde i Sydtyskland

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WHAT DOES INNOVATION CENTRE DENMARK DO?

**Task:** Ensure Danish companies and research institutions access to German/Swiss/Austrian knowledge, networks, technology, funding and markets

**How:** Permanent presence within knowledge “hotspots” - that is areas with strong research environments and active clusters, networking organisations and funding options.

Our team in München

- **Helle Meinertz**
  Executive Director
  Consul

- **Christian Bäres**
  Senior Consultant
  Cleantech/Innovation

- **Thomas Thestrup**
  Consultant
  Life Science/Innovation

- **Lotte Lundø Nørgaard**
  Consultant
  ICT/Innovation

- **Nikolaj Helm Petersen**
  Vice Consul
  Technology & Research Attaché
Non-EU countries include Switzerland (CH), Iceland (IS), Norway (NO), RS (Serbia), MK (Former Yugoslav Republic of Macedonia) and Turkey (TR).
Germany:
- Denmark's biggest export market
- More than 2000 Danish daughter companies (Schleswig-Holstein: 960 and Hamburg 450)
- 3. largest scientific partner country measured on co-publications (after US and UK)
- **Most** important FP7-partner country for Denmark

### EU FP7: NUMBER OF COLLABORATIVE LINKS

<table>
<thead>
<tr>
<th>DENMARK FP7 PARTNERS</th>
<th>GERMANY FP7 PARTNERS</th>
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<td>1 3325 DE</td>
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<td>23 177 LT</td>
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<td>25 132 BG</td>
<td>25 516 EE</td>
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E-CORDA extraction date: 26-2-2013

- **Dark green**: universities, university hospitals and Fachhochschulen
- **Blue**: Companies
- **Light green**: public sector institutes (Fraunhofer, Max Planck, Helmholtz...)
- **Red**: Public sector non-research
- **Grey**: others
- **Mint**: no data
### Public Sector R&D According to Main Field of Science. OECD-Countries 2010 or Newest Available Data. OECD/Eurostat

#### The Nordic Countries: Strong Focus on Health R&D

<table>
<thead>
<tr>
<th>Field of Science</th>
<th>Country</th>
<th>Percentage</th>
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<tbody>
<tr>
<td>Natural Science</td>
<td>1. Czech Rep. 45%</td>
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<td>2. Estonia 43%</td>
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<td>31 Luxembourg 0%</td>
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<td>31 Singapore* - 31 Singapore</td>
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**Note:** Country names in bold indicate the top 10 countries in each category.
The Danish statistical system

Person
(ID CPR: Central Person Register)

Residential data
(all Danish dwellings)

CPR

Income

Social funding

Health data

Unique Company ID

Education

Occupation

Interview

Questionnaire

Buildings & property

CVR all Companies in DK

Visiting US professor + Danish data => Nobel prize!
How is German-Danish health research cooperation actually funded?

100 German-Danish health publications (published in 2014):

- Mostly mixture of many funding sources
- 60% had some kind of EU-funding (but not only from FP7/H2020)
- 33% had Danish funding.
- 40% had German funding.
- 50% had other international funding
- 80% of those which were (partly) financed with German funding had some kind of funding originating from the Federal German Ministry of Education and Research (BMBF)
German Funding Programmes for Scientists and Researchers

Funding Opportunities for International Students, Graduates, PostDocs and Scientists offered by:

[Logos of various organizations]
Online Services

The homepage of the Federal "Research and Innovation" Funding Advisory Service provides clearly structured information on funding opportunities, access to all documents concerning applications, details of current or completed Federal Government research projects and access to the research reports of projects that have been granted funding. RSS-Feed services are offered, too.

www.foerderinfo.bund.de/en

Further Services:

Federal Government's Funding Database Overview of the funding programmes of the Federal Government, the Länder and the European Commission www.foerderdatenbank.de

easy - Electronic Application System Application forms, guidelines, leaflets and information on the Federal Government's project funding www.foerderportal.bund.de

Funding Catalogue Concise information on funded current and completed projects of the Federal Government www.foerderkatalog.de

Research Reports Author's copies of the research reports in the Technical Information Library (TIB), Hanover, Germany www.tib.uni-hannover.de

Contact

Federal "Research and Innovation" Funding Advisory Service

Project Management Jülich (PtJ)
Forschungszentrum Jülich GmbH
Zimmerstrasse 26 – 27
10969 Berlin, Germany

Research and Innovation Funding Support Line 149 30 20199-559
E-Mail: beratung@foerderinfo.bund.de
Homepage: www.foerderinfo.bund.de/en

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Guide to funding

Funding programmes

Danish funding programmes
- Independent research
- Strategic research
- Sapere Aude
- Industrial PhD and Innovation Assistant
- EUopSTART
- Collaboration between industry and knowledge institutions
- Etc.

EU and international funding programmes
- EuroCenter
- Bilateral cooperation
- Network programmes
- Nordic programmes
- Other European programmes
- Etc.

E-application

A guide for using the e-application system. Including links for registering as a user, creating a new application and editing an application in progress.

Application Forms

List of forms for application

Frequently asked questions
Find answers to frequently asked questions about grants for research and innovation.

Danish research and innovation funding until now (April 2014):
(figures are in million DKK in 2013)
Danish research and innovation funding and *from April 2014*:
WHO CAN APPLY FOR FUNDING?

1. PhD or achieved equivalent qualifications

2. The Council’s aim is to promote and strengthen Danish research, understood in a broad sense. Therefore, there are no requirements as to applicants’ citizenship, the location of research institutions or the specific venue for carrying out the research activities applied for. In all cases, a general assessment criterion will be the extent to which the project will benefit Danish research.

InnovationsFonden was established as of 1 April 2014 by bringing together research, technology development and innovation grants from the Danish Council of Strategic Research, the Danish National Advanced Technology Foundation and the Danish Council for Technology and Innovation into one new powerful foundation.

The overall aim of InnovationsFonden is to support the development of knowledge and technology, including advanced technology, in order to strengthen research and innovative solutions that may benefit growth and employment in Denmark.

This is done by investing in, and thus providing risk capital for societal partnership on innovation, thus enabling cutting-edge initiatives to achieve results that have substantial impact for the participating parties and the Danish Society.

Danish export is about being in the forefront of innovation. It is therefore imperative that companies and universities embark on developing new technologies.

We depend on research-based knowledge being brought into action everyday at universities and within both large and small companies.
INNOBOOSTER
(SME-INNOVATION PROGRAM)

• Aim: to make Danish SMEs more innovative.

• Program focus:
  • Research, technology, acquisition of new competences and internationalisation
  • To stimulate close relationships between knowledge institutes and businesses

Funding options:
• SMEs can hire a person with minimum a bachelor degree and get 1600 euro per month in salary support (max 12 months, SMEs without (any) university educated staff)
• SMEs can hire/“borrow” a specific researcher from a university, fachhochschule or institute
• Cooperate with a university, fachhochschule or institute (SMEs can get up to 6600 euro that they spend on this cooperation)
• “Other” fx bringing home knowledge (from abroad)

Application processing:
• Small projects (6600 to 33.000 euro) evaluated continually.
• Larger projects (up to 130.000 euro): 1-2 application rounds per year
EUOPSTART "AUF GEHT’S EUROPÄ"*

• **Ziel:** Intensivierung der Internationalisierung der dänischen Forschung und mehr Zusammenarbeit zwischen Unternehmen und Forschern.

• Unternehmen und Forscher bekommen Forschungsgelder für einen Projektvorschlag und sie dürfen davon Ausgaben der deutschen Partner bezahlen.

• Auf geht’s Europa unterstützt alle in Horizont 2020 aufgeführten Bereiche (nur nicht „Research Infrastructures“ und „Acces to Risk Finance“)

• Andere Europäische Programme, die unterstützt werden können, sind:
  • Europe-Developing Countries Clinical Trials Partnership (EDCTP)
  • AAL
  • Bonus
  • ECSEL
  • Eurostars

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*Only Danish companies and knowledge institutions can apply. But they are free to spend money on their (potential) German partners (travel/catering/hours...)*
EUOPSTART “AUF GEHT’S EUROPÄ” II

Wie viel Geld bekommt man eigentlich?

• Für die Projektvorbereitung eine ERC-Stipendium: 10.000 EURO
• Für andere Horizont 2020 Projektvorschläge: 12.500 EURO
• Für den Koordinator von Horizont 2020 Projektvorschlägen: 20.000 Euro
• Für KMU-Förderprojekte von Horizon2020 und für Eurostars: 6600 Euro

Bedingungen: Das Unternehmen ist mindestens ein Jahr alt, macht mindestens 200.000 Euro Jahresumsatz oder hat 2 Angestellte.

• Und man kann nur Geld für neue Ausgaben bekommen, nicht rückwirkend
• Das Geld kann für Reisen von und nach Dänemark/Deutschland, Hotelunterkunft, Verpflegung.
• Antrag für Forschungsgelder muss auf Englisch oder Dänisch gestellt werden

2014: Wer zuerst kommt, mahlt zuerst!

2015: ?? www.ufm.dk/euopstart
ZENTRALES INNOVATIONSPROGRAMM MITTELSTAND

GERMANYS CENTRAL INNOVATION PROGRAM “ZIM

• Funding program for small and medium sized enterprises with business operations in Germany that want to develop new or significantly improve existing products, processes or technical services.

• As cooperation partner of an SME, public and private non-profit research and technology organisations (RTO) are also eligible.

• Open to all branches and technological sectors.

• Aim: to sustainably increase the innovative capacity and competitiveness of SMEs and in doing so contribute to their growth and the generation of new jobs.

Types of cooperation projects

• "KU" Cooperation R&D projects between at least two companies

• "KF" Cooperation R&D projects between at least one company & at least one RTO

• "VP" Special type of KF: Cross-technology Cooperation R&D projects, involving at least four SMEs and at least two research establishments

• "KA" Company R&D projects involving the commissioning of an R&D contract to a research partner
ZIM INTERNATIONAL COOPERATION

Within ZIM there are different possibilities for cooperation with international partners. German companies working with foreign partners in a ZIM project receive a bonus of 5% on top of the normal funding rates.

General conditions for foreign partners of eligible German companies:

- As a subcontractor (no difference to German subcontractor)
- As a "not applying partner" in cooperation projects (has to arrange financing for his subproject through local funding programs or by own financial recourses)

Necessary documents from "not applying partners":

- Description of the subproject
- Working plan
- Short portrait of business & technical experience of the partner
- Letter of intend
- Cooperation agreement of all partners (draft)
Among 16 countries Denmark ranks as the one most likely to provide its scientists with an excellent all-round research experience. It scored best on a satisfaction ranking that included measures such as salary, health care, pension and degree of independence.

Denmark not only has the most satisfied scientists of the countries with sizeable samples according to our poll, it also has the happiest citizenry. This suggests that the 'background' influences of location and culture can sometimes have an influence on life and career satisfaction—and science professions are no exception.

The self-reported contentment of researchers with their chosen profession depends on more than just salaries, according to the results of our international career survey. Gene Russo parses the data.