

BACKGROUND MATERIAL FOR INDUSTRY

A strong partner for Danish companies in China



House of the Danish Industry Foundation, home of the Sino-Danish Center (to be inaugurated in 2013)

The Sino-Danish Center for Education and Research (SDC) is a high-level education and research oriented project initiated by the Chinese and Danish governments. The operating partners, who have committed themselves fully to the project, are the eight Danish universities and the Chinese Academy of Sciences (CAS) together with its Graduate University (GUCAS).

SDC is unique in China and in the world. It is the first time that all the universities of a single country unite in a government sponsored project to collaborate with a foreign higher education partner.

For Danish companies and their Chinese partners it means easy access to talent and basic/applied research at China's leading national institution on science, technology and innovation.

Partnership with industry

One of SDC's overriding priorities is collaboration with Danish companies and their Chinese partners. As an open platform, SDC is responsive to suggestions from the industry on potential areas of collaboration including an open dialogue with companies on their needs, which type of candidates is required and what kind of research activities are of particular relevance.

Examples of partnerships:

- Joint research between company labs and university labs including joint applications for research funding
- Contract research where university labs undertake assignments on behalf of a company
- Company branding via student competitions and stipends
- Company exhibitions in the House of the Danish Industry Foundation
- Internships and thesis collaboration
- Providing students and researchers with data for case studies
- Training programmes for employees in Danish companies

FACT BOX

- SDC is located at GUCAS's brand new Yanqihu Campus (30 km from Beijing Airport).
- The Danish Industry Foundation has donated up to 80 million DKK for the building – *House of the Danish Industry Foundation*. The building (designed by Lundgaard & Tranberg) includes facilities for conferences and seminars as well as 400 m² for industry exhibitions. The inauguration will take place in 2013.
- From 2013, SDC will host 300 MSc students, 75 PhD students and 100 researchers.
- GUCAS has 36.000 students (18.000 PhDs) and 37.500 scientists at CAS's 92 research institutes around China.
- The Danish SDC secretariat is currently located at Aarhus University.

Research themes

The first stage of Sino-Danish Center's research activities includes five programmes. These are all defined as national focus areas and involve world-leading Danish and Chinese scientists.

WATER AND ENVIRONMENT

- Professor Peter Engelund Holm, Dep. of Basic Science and Environment, Uni. of Copenhagen
- Professor and Deputy Dean Hu Zhengyi, College of Resources and Environment, GUCAS

RENEWABLE ENERGY INCLUDING THE SUB-THEMES FUSION, BIO, WIND AND SOLAR

- Senior Scientist Birte Holst Jørgensen, Risø National Laboratory for Sustainable Energy, DTU
- Prof. and Exec. Dep. Dean Zhang Hongxun, College of Resources and Environment, GUCAS

NANOSCIENCE

- Prorector and Professor Thomas Bjørnholm, Nanoscience Center, University of Copenhagen
- Professor and Director Wang Chen, National Center of Nanoscience and Technology, GUCAS

LIFE SCIENCES INCLUDING SUB-THEMES IN NEURO-SCIENCE AND OMICS

- Professor Leif Østergaard, Center of Functionally Integrative Neuroscience, Aarhus University
- Professor and Executive Deputy Dean Ding Wenjun, College of Life Sciences, GUCAS

SOCIAL SCIENCES INCLUDING SUB-THEMES IN PUBLIC MANAGEMENT & SOCIAL DEVELOPMENT AND INNOVATION MANAGEMENT

- Head of Dep. and Prof. Lars Bo Kaspersen, Dep. of Political Science, University of Copenhagen
- Professor and Deputy Dean Zhao Hong, School of Management, GUCAS

Additional programmes will be added as SDC develops. Talks are already commencing between university partners and industry contacts. Possible topics are: Diabetes, Food Safety, ICT and Learning.

Educational programmes

Four 2-year MSc programmes will be launched in September 2012:

- MSc in Water and Environment
- MSc in Neuroscience and Neuroimaging
- MSc in Public Management and Social Development
- MSc in Innovation Management

Up to 30 students (50/50 Danish and Chinese) will be enrolled in each programme. All teaching is conducted in English by Danish and Chinese professors. One semester is reserved for internship or lab-work in Danish or Chinese companies. The students can also choose to write their thesis in collaboration with a company. Upon completion, the students will receive a double degree – one from GUCAS and one from the coordinating Danish university. Programmes in Nanoscience, Renewable Energy and "omics" are expected to follow in 2013.

Danish partners

- Aarhus University
- Aalborg University
- CBS – Copenhagen Business School
- Technical University of Denmark (DTU)
- IT University of Copenhagen
- Roskilde University
- University of Copenhagen
- University of Southern Denmark

In collaboration with the Danish Ministry of Science, Technology and Innovation.

Chinese partners

Main partner:

- Chinese Academy of Sciences (CAS) and its Graduate University (GUCAS)

Other university collaborators:

- Beijing Normal University
- Peking University
- Renmin University of China
- Tsinghua University
- Zhejiang University

More information

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