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Sino-German
Innovation Platform

Zweites Deutsch-Chinesisches Innovationsforum

Second Sino-German Innovation Forum

26/27 November 2012, Berlin

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Programme



Monday, 26 November 2012

- 10.00-10.45
Salon Dublin **Opening Session (Moderator: Jan Wessels, BMBF)**
Thomas Rachel, Parliamentary State Secretary, BMBF
Cao Jianlin, Vice Minister, MOST
- 10.45-10.50
Salon Dublin **Sino-German innovation policy cooperation in a European perspective – a short intervention**
Laurent Bochereau, European Commission
- 10.50-11.20
Salon Dublin **Keynote Addresses by the Heads of the National Expert Groups**
Alexander Gerybadze, University of Hohenheim and Hu Zhijian, CASTED
- 11.20-12.20
Salon Dublin **Current Challenges for the Innovation Systems in China and Germany**
Moderator: Alexander Gerybadze, University of Hohenheim
Challenges for the Chinese innovation system (*Chen Baoming, CASTED*)
Challenges for the German innovation system (*Rainer Frietsch, Fraunhofer ISI*)
- 12.20-13.30
Foyer Lunch Break
- 13.30-15.00 **Parallel Sessions 1**
- **Diverse of R&D Activities between Chinese and German Companies**
Salon Dublin
 - **International Knowledge Flows**
Salon Paris
- 15.00-15.30
Foyer Coffee Break
- 15.00-17.00 **Parallel Sessions 2**
- **Science Industry Linkages**
Salon Dublin
 - **Public Innovation Funding – Selection and Evaluation**
Salon Paris
- 17.00-18.30
Salon Dublin **Plenary Panel Discussion**
Moderator: Alexander Gerybadze, University of Hohenheim
“Two countries – two innovation systems”
Views of stakeholders on the innovation systems of the two countries
Patrick Haibach (SCHOTT Solar CSP GmbH)
Christoph Grote (BMW AG)
Dieter Manz (Manz AG)
Liu Xielin (CAS)
Liu Feng (CASTED)
Guo Rong (CASTED)
- 19.30 **Evening reception** at the KARLSSON, Gendarmenmarkt (*shuttle transfer*)



Tuesday, 27 November 2012

09.00-10.30

Parallel Sessions 3

- **International Knowledge Flows**
Salon Dublin
- **Public Innovation Funding – Selection and Evaluation**
Salon Paris

10.30-11.00

Coffee Break

Foyer

11.00-12.30

Parallel Sessions 4

- **Science Industry Linkages**
Salon Dublin
- **Drivers of R&D Activities between Chinese and German Companies**
Salon Paris

12.30-13.30

Lunch break

Foyer

13.30-15.00

Plenary Presentations

Salon Dublin

Moderator: **Liu Li**, School of Humanities and Social Sciences, Tsinghua University

Examples of running bilateral cooperation between China and Germany

- *German-Chinese Standardization Cooperation Commission*
(Ulrich **Romer**, BMWi and **Ma Dejun**, China Household Electric Appliance Research Institute)
- *Clean water research and innovation for people's welfare* (Reinhold **Ollig**, BMBF)
- *Sino German Lifescience Platform*
(Evelyn **Obele**, BMBF)

15.00-16.00

Closing Session

Salon Dublin

Moderator: Jan **Wessels**, BMBF

Summing up: comparing two countries and two innovation systems after two days of discussion – brief comments

Alexander **Gerybadze**, University of Hohenheim

Next steps within the Sino-German Innovation Platform

Engelbert **Beyer**, BMBF and **Lin Xin**, MOST

Parallel Sessions



Drivers of R&D Activities between Chinese and German Companies

The establishment of R&D facilities overseas has become an integral part of cross-border investment activities of multinational companies (MNCs) from Germany and China. International R&D is driven by the need to adapt to local markets and increasingly by the search for specific knowledge and creativity on a global scale. This session brings together German and Chinese practitioners of international R&D management and representatives from the academia who will discuss R&D environment, policy incentives and barriers in both countries. The overall aim of this session is to improve the understanding of the potential for further direct investment links and R&D activities between German and Chinese companies.

Day 1 Monday 26 November 2012, 13.30 – 15.00h

Session Chair: Margot **Schüller**, GIGA

Chen Yantai, Zhejiang University of Technology

Foreign Direct Investment and Foreign R&D Activities between China and Germany

Steffen Kinkel, Karlsruhe University of Applied Sciences

Innovation and Manufacturing Strategies of German Companies in China

Wang Ying, Huawei European Research Center

Huawei's R&D Strategy in Germany

Klaus Scheuerer, BMW Group Research and Technology

The Car in 2020: Possible Joint Research Projects

Day 2 Tuesday 27 November 2012, 11.00 – 12.30h

Session Chair: **Duan Yibing**, Institute of Policy and Management, Chinese Academy of Sciences

Liu Feng, Chinese Academy of Science and Technology for Development

Industrial cluster policy in China

Michael Dowling, University Regensburg

Low Cost – High Tech Innovations in China: An Empirical Case Study Analysis

Ulrich Liman, Bayer AG

Road Map for R&D Center in China

Behzad Bigdeli, Exponential Advisor

A Chinese R&D Center in Germany: Sany's case



International Knowledge Flows

Sharing of knowledge and access to background and foreground technology are important stepping stones for increasing cross-border technology cooperation and international knowledge flows. This session looks at framework conditions for the stakeholders involved in cross-border technology projects. It explores the issues of technology transfer, best practice for contractual frameworks, intellectual property rights, standards and win-win scenarios for successful collaboration in industry.

Day 1 Monday 26 November 2012, 13.30 – 15.00h

Session Chair: Thomas **Pattloch**, TaylorWessing

Oliver **Pfaffenzeller**, Siemens AG

Innovation & IP: China challenges for international companies

Huang Tiejun, School of Electronics Engineering and Computer Science, Peking University

Innovation, IPR, Standard, Product and Industry

Yi Tong, Beijing Research Center for Science of Science

Local and Central Governments in Regional Innovation System

Christian **Fischer**, BASF SE

Opportunities & Challenges for international R&D

Peter **Gutzmer**, Schaeffler AG

Cooperation between Universities and Industry: A Comparison between China and Germany

Day 2 Tuesday 27 November 2012, 9.00 – 10.30h

Session Chair: Liu Xielin, School of Management, Graduate University of Chinese Academy of Sciences

Zhu Xiaolin, State Intellectual Property Office, P.R.C.

Patent Strategy Implementation to Promote Innovation Development

Liu Li, School of Social Sciences, Tsinghua University

*A Preliminary Comparative Analysis of National Innovation Systems of China and Germany:
A Functional Approach*

Dorothee **Schwall-Rudolph** and Hans-Michael **Kompter**, Boehringer Ingelheim
Pharma GmbH & Co. KG

Boehringer Ingelheim's Pharmaceutical Research & Development activities in China



Science-Industry-Linkages

Encouragement of Science-Industry-Linkages is at the core of any country's innovation policy. In the last decade China as well as Germany started new initiatives to stimulate collaboration between universities, public research institutes and enterprises in order to support knowledge flows. More recently, Science-Industry-Linkage are no longer seen as a specific set of policy measures but are increasingly viewed as an integral part of innovation policy measures in general. This session highlights both specific policy measures to foster Science-Industry-Linkages as well as integrated (regional) cluster policies. Hence, the session will focus on the role of science parks, technology-based business incubators and technology transfer office on the one hand. On the other hand the potential of integrated cluster policies like the German Leading-Edge Cluster competition "Spitzencluster" are introduced. The session will highlight and reflect the potentials and drawback of this new approach to promote the collaboration and knowledge exchange between science and industry.

Day 1 Monday 26 November 2012, 15.30 – 17.00h

Session Chair: Georg Licht, ZEW

Liu Xielin, School of Management, Chinese Academy of Sciences
University-Industry Cooperation in China

Ulrike Tagscherer, Institute of Policy and Management, Chinese Academy of Sciences
Key drivers and models for external academic collaborations of multinational enterprises in China

Horst Domdey, Munich Biotech Cluster m⁴
The Munich Biotech Cluster m⁴ – from Idea to Success

Patrick Haibach, SCHOTT Solar CSP GmbH
Concentrated Solar Power (CSP) A Driver for Science-Industry Collaborations in China

Day 2 Tuesday 27 November 2012, 11.00 – 12.30h

Session Chair: Xiao Guangling, Institute of Science, Technology and Society,
School of Humanities and Social Sciences, Tsinghua University

Wang Haiyan, Chinese Academy of Science and Technology for Development
Particular Areas of Strength in German NIS: Seen From a Chinese Perspective

Knut Koschatzky, Fraunhofer ISI
Heterogeneous cooperations – new forms of research collaboration in the German innovation system

Liu Xiaoling, Department of Research Management, Shanghai Institute for
Science of Science
Regional Innovation System in China's Transitional Context: the Practice and Reflection of Shanghai

Aoife Hanley, Kiel Institute for the World Economy and Christian-Albrechts-University, Kiel
Who is doing the inventing in China (and should we care?)



Public Innovation Funding – Selection and Evaluation

Both, institutional or program funding are essential parts of the R&D support measures in any innovation system, following two main tasks: early stage funding of science and technology or avoidance of market failure. Public funding includes public science and research funding as well as funding and support of private R&D activities in the industry sector. With China and Germany we face two different systems that recently introduced new policies and that reformed parts of their system. New trends and developments as well as good practice of public funding, of selection criteria and selection processes as well as evaluation of public funding programs will be discussed in this session.

Day 1 Monday 26 November 2012, 15.30 – 17.00h

Session Chair: Rainer Frietsch, Fraunhofer ISI

Guo Rong, Chinese Academy of Science and Technology for Development
Innovation Fund for Small Technology-based Firms in China

Rainer Jäkel, BMWi
Technology-neutral funding for the “Mittelstand”

Fu Junying, Fraunhofer ISI
China's publication activity in the SCI under the context of Chinese science and technology policy in 1977-2011

Christian Rammer, ZEW
SMEs in the German Innovation System and Public Funding of SMEs in Technology Programs

Day 2 Tuesday 27 November 2012, 9.00 – 10.30h

Session Chair: Lu Rongkai, Bureau of International Cooperation, National Natural Science Foundation of China (NSFC)

Jürgen Wengel, BMBF
Spitzencluster-Wettbewerb: The German Leading-Edge Cluster Competition

Duan Yibing, Institute of Policy and Management, Chinese Academy of Sciences
A Brief Evaluation of China's Innovation Policy Instruments

Jakob Edler, University of Manchester
Demand Side Policies. The Challenges for Evaluation

Stephanie Christmann-Budian, Fraunhofer ISI
Funding of international science cooperation and related selection processes in China