

Symposium and Seminar:

# Strengthening Innovation Systems in the Context of Development Cooperation

5–8 October 2009

Dortmund, Germany

Organised by the German Development Cooperation Working Group on 'Promoting Innovation Systems'

## Strengthening Innovation Systems 2009

- ▶ Highlighting the significance of innovation and innovation systems for economic development
- ▶ Understanding innovation systems: Specifics of regional and sectoral innovation systems
- ▶ Analysing innovation systems and elements of innovation system promotion programmes
- ▶ Excursion: Innovation promotion in Dortmund
- ▶ Communication and networking between German and international institutions

### Introduction

Innovative products and processes are essential for companies to participate in markets and to sustain competitiveness. Trade liberalisation, the merging of financial markets, labour mobility and the spread of new information and communication technologies (ICT) have changed the conditions for economic activity, resulting in new potential for developing and emerging countries. Low costs of labour and abundant raw materials are no longer the distinguishing competitive factors: Knowledge, access to knowledge and its successful use and implementation in innovative products, processes and services are becoming increasingly important for sustainable economic growth and for securing and creating employment and income opportunities. Innovations not only help increasing productivity and competitiveness, they also offer a potential to solve social and ecological problems (e.g. climate change, water scarcity). Experience in least developed countries (LDCs) shows that ICT (e.g. mobile phones) and innovative business models (e.g. e-business, social franchising; social enterprises) can help reduce information asymmetry and improve access to products, basic services (education, health) and development-relevant knowledge. In addition, innovations have the potential to address the needs of poor and disadvantaged population groups. However, options for generating innovation differ depending on the context in developing and more advanced countries: Natural resource endowments, industrial structure and institutions play a crucial role here. Innovative capacity does not depend (only) on the use of certain technologies or the performance capability of research institutions. It also depends on collaboration between actors of the private sector, the state as well as education and research institutions, but also linkages with international innovation networks. The issue of 'promoting innovation' is hence taking an increasingly important place on the political agenda in many regions. Within the scope of German and international development cooperation (DC), the field of innovation and technology promotion is currently gaining importance, even though it is not an entirely new topic in the development discourse: Ten years of OECD's work have suggested a systemic approach to promoting innovation.

In the past year, representatives of German implementing organisations (IOs) have taken up the topic of promoting innovation systems in association with the sector project 'Innovative approaches for Private Sector Development'. This working group on 'Promoting Innovation Systems' is now offering a seminar on the topic to create a common understanding among participants on the importance of innovation, innovation systems and to present approaches and cases for successful systemic support in the field of innovation and technology promotion.

Working Group on 'Promoting Innovation Systems'

# PROGRAMME

## DAY 1: Setting the stage – Systemic approaches to innovation promotion

Venue: Kongresszentrum Westfalenhallen, Saal 8

09:00 – 9:30 **Registration & coffee**

09:30 – 9:45 **Welcome**

Kim Nguyen-Van (BMZ, Division Economic Policy and Financial Sector Development, Federal Ministry of Economic Cooperation and Development)

09:45 – 10:00 **Introduction of the agenda**

Moderator: Dr. Gerd Meier zu Köcker (VDI/VDE-IT)

### Session 1: Introduction to innovation promotion

10:00 – 11:00 **What is innovation? – The significance of innovation for economic development**

Speaker: Dr. Christian Rammer (ZEW)

11:00 – 11:15 **Coffee break**

11:15 – 12:00 **Innovation systems – A systemic perspective to generating innovation**

Speaker: Dr. Andreas Stamm (DIE)

12:00 – 13:00 **Lunch**

### Session 2: Benchmarking international approaches

13:00 – 14:00 **OECD's approach to innovation system promotion**

Speaker: Gernot Hutschenreiter (DSTI/OECD Country Review Unit)

14:00 – 14:15 **Coffee break**

14:15 – 15:15 **UNCTAD's approach to innovation system promotion**

Speaker: Charles Gore (UNCTAD)

15:15 – 15:30 **Coffee break**

15:30 – 17:30 **Fish bowl with speakers from the days' sessions**

17:30 – 19:30 **'Cocktail and market place': Innovation and technology promotion in German Development Cooperation – Insights to the work of DAAD, GTZ, InWEnt, KfW and PTB**

## DAY 2: Understanding innovation systems

Venue: Signal Iduna Park, Evonik Stammtischebene West 3

### Session 3: Analysing innovation systems

Moderator: Frank Wältring (mesopartner)

08:45 **Joint departure from Best Western Hotel Lobby to Signal Iduna Park**

09:00 – 10:00 **Welcome and review of the previous day**

10:00 – 11:00 **Analysing supra-national and sectoral innovation systems – Experiences from VDI/VDE-IT**

Speaker: Dr. Gerd Meier zu Köcker (VDI/VDE-IT)

11:00 – 11:30 **Coffee break**

11:30 – 12:30 **Analysing regional and sectoral innovation systems – Experiences from southern Africa**

Speaker: Dr. Shawn Cunningham (mesopartner)

12:30 – 13:30 **Lunch**

13:30 – 14:30 **'System Game' and group work**

14:30 – 14:45 **Coffee break**

14:45 – 15:45 **The importance of 'bridging' – A model for innovation system promotion**

Speaker: Daniel Bagwitz, Stefanie Bauer (Working Group 'Promoting Innovation System')

15:45 – 16:45 **Innovation systems – Best practice in Dortmund**

Speaker: Dr.-Ing. Claudia Keidies (Dortmund-Project)

16:45 – 17:30 **Group activity – 'Speed Dating'**

17:30 – 17:45 **Wrap-up and reflection**

17:45 – 18:45 **Optional: Guided tour through Signal Iduna Football Stadium**

## DAY 3: Elements of innovation promotion programmes / Excursion

Venue: Signal Iduna Park, Evonik Stammtischebene West 3

09:00 – 09:15 **Welcome and review of the previous day**

### Session 4: Putting it to practice – Elements of innovation system promotion

09:15 – 10:00 **The innovation enabling environment**  
Speaker: Manfred Horr (GTZ)

10:00 – 10:45 **Research and development: Enabling innovation**  
Speaker: Axel Demmer (Fraunhofer-Institut für Produktionstechnologie)

10:45 – 11:00 **Coffee break**

11:00 – 11:45 **Human resources for innovation – Aligning human resources with private sector demand**  
Speaker: Prof. Karl-Heinz Droege (Baden Wuerttemberg Cooperative State University Loerrach)

11:45 – 13:00 **Fish bowl: The cooperation aspect – Strengthening networks for innovation and technology transfer**  
Panellists: Dr. Uwe Kleinkes (IVAM), Dieter Schwohnke (PTB), Manfred Horr, Axel Demmer, Prof. Karl-Heinz Droege, Dr. Andreas Stamm (DIE)

13:00 – 14:00 **Lunch**

14:00 – 18:30 **Excursion (PHOENIX, TechnologieZentrumDortmund, TU Dortmund)**

18:30 – 19:00 **Optional: Museum Zeche Zollern**

19:00 **Joint dinner (Restaurant 'Pferdestall', Zeche Zollern [www.pferdestallwim.de](http://www.pferdestallwim.de))**

## DAY 4: Elements of innovation promotion programmes / Measuring the impact

Venue: Signal Iduna Park, Evonik Stammtischebene West 3

09:00 – 09:15 **Welcome and review of the previous day**

09:15 – 10:15 **The climate challenge: Innovation systems for sustainable development, case study South Africa**  
Speaker: Dr. Andreas Stamm (DIE)

10:15 – 11:00 **Innovation: The role of ICT**  
Speaker: Balthas Seibold (InWent), Thorsten Scherf (Sector Project ICT, GTZ)

11:00 – 11:30 **Coffee break**

11:30 – 12:30 **Pro-poor-innovation – Approaches from social entrepreneurship to the 'base of the pyramid'**  
Speaker: Dr. Frank Ebinger (GTZ)

12:30 – 13:30 **Lunch**

13:30 – 14:15 **Financing innovation**  
Speakers: Joachim Heidebrecht (KfW Entwicklungsbank)

14:15 – 14:30 **Coffee break**

### Session 5: Measuring results

14:30 – 15:00 **Measuring results of innovation systems promotion – Impact chains**  
Speaker: Philip Madelung (GTZ)

15:00 – 15:45 **Benchmarking innovative abilities – Indicators for innovation**  
Speaker: Thomas F. Dapp (Deutsche Bank Research)

15:45 – 16:30 **Wrap-up and evaluation**

**Coffee and departure**

DAAD

d.i.e

gtz

inWent

 **kfw**  
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**gtz** | Innovative Approaches for  
Private Sector Development

 On behalf of  
Federal Ministry  
for Economic Cooperation  
and Development

### Location

The Symposium (5 of October) will be held at the Kongresszentrum Westfalenhallen in Dortmund, Germany (<http://www.westfalenhallen.de/kongresszentrum>). The seminar days (6–8 of October) will take place in the Signal Iduna Park ([www.stadion-live.de](http://www.stadion-live.de)).

### Seminar fee

The seminar fee is € 750 per person. Participants must also meet their own travel costs, including flights, accommodation, meals (except lunches and the joint dinner on 7 October).

### Accommodation

It is recommended to be accommodated at the Best Western Hotel, at the Kongresszentrum Westfalenhallen (<http://www.westfalenhallen.bestwestern.de>). Room rates are € 99 for a single, € 119 for a double (including breakfast).

### Registration

For more information please email to Stefanie Bauer:

[stefanie.bauer@gtz.de](mailto:stefanie.bauer@gtz.de).

Participation is limited to 40 persons.

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### A product of the Working Group 'Promoting Innovation Systems'

DAAD Deutscher Akademischer Austauschdienst  
German Academic Exchange Service

DIE Deutsches Institut für Entwicklungspolitik  
German Development Institute

GTZ Gesellschaft für Technische Zusammenarbeit GmbH  
German Technical Cooperation

InWEnt Internationale Weiterbildung und Entwicklung gGmbH  
Capacity Building International

KfW KfW Entwicklungsbank

PTB Physikalisch-Technische Bundesanstalt

In cooperation with the Sector Project Innovative Approaches  
of Private Sector Development

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On behalf of the Federal Ministry of Economic Cooperation  
and Development (Division 300)

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