



Bonn International Graduate School for Development Research (BIGS-DR)  
Center for Development Research, University of Bonn

## Knowledge and Development

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### Course Outline

- 1. Knowledge for development
- 2. Knowledge in a knowledge society
- 3. Knowledge economy and knowledge society
- 4. Closing the knowledge gap and the digital divide
- 5. Measuring the knowledge society
- 6. Expert knowledge
- 7. Strategies for creating a knowledge society
- 8. “The Road to Knowledge”

### Class Assignment, due on Monday, 01 Dec 2008

Select two countries of your choice and measure how far they have developed towards a knowledge society. Select indicators and produce a table and a diagram. In addition produce and a KAM diagram. Offer an explanation of your data set and outline a development strategy (two pages). You may form a team, select a minimum of one case per person and present your results in class (powerpoint-5 minutes maximum).

Some standard k-development indicators:

- basic indicators
  - nr of researchers per 1000 population
  - expenditure for r&d as pct of GDP
- ICT indicators
  - Nr. of telephone lines per 1000 population
  - Nr. of computers per 1000 population
  - Nr. of internet users (per 1000 population)
- output indicators
  - Nr. of university graduates
  - Nr. of scientific publications
  - Nr. of patents

Try the following data banks to collect your data:

- OECD Statistics Portal - Science, Technology and Patents  
[http://www.oecd.org/topicstatsportal/0,2647,en\\_2825\\_497105\\_1\\_1\\_1\\_1\\_1,00.html](http://www.oecd.org/topicstatsportal/0,2647,en_2825_497105_1_1_1_1_1,00.html)
- World Bank <http://www.worldbank.org/>

- **KAM** <http://go.worldbank.org/JGAO5XE940>
- Global Development Gateway <http://topics.developmentgateway.org/knowledge>  
<http://home.developmentgateway.org/cg/country-gateways/dataandstatistics.do>

ITU <http://www.itu.int/home/index.html>

### **Reading:**

Evers, Hans-Dieter. 2005. "Transition towards a Knowledge Society: Malaysia and Indonesia in Global Perspective." Pp. 91-110 in *Governing and Managing Knowledge in Asia*, edited by Thomas Menkhoff, Hans-Dieter Evers, and Yue Wah Chay. Singapore: World Scientific.

Chay, Yue Wah, Thomas Menkhoff, Benjamin Loh, and Hans-Dieter Evers. 2005. "What makes Knowledge Sharing in Organizations Tick?- An Empirical Study." Pp. 279-304 in *Governing and Managing Knowledge in Asia*, edited by Thomas Menkhoff, Hans-Dieter Evers, and Yue Wah Chay. Singapore: World Scientific.

Evers, Hans-Dieter. 2008. "Knowledge Hubs and Knowledge Clusters: Designing a Knowledge Architecture for Development." in *ZEF Working Paper Series No 27*. Bonn: Center for Development research (ZEF), University of Bonn.  
[http://www.zef.de/fileadmin/webfiles/downloads/zef\\_wp/WP\\_27\\_Evers.pdf](http://www.zef.de/fileadmin/webfiles/downloads/zef_wp/WP_27_Evers.pdf)