



Knowledge Economy Indicators: Development of Innovative and Reliable Indicator Systems

Ralf Münnich

Department of Statistics, Econometrics, and Operations Research
University of Tübingen

1st Workshop on Knowledge Economy Indicators

Tübingen, 3. March 2005



KEI

will focus on indicators for policy purposes

- Review of state-of-the-art methodology
- Policy scenarios
- Main thematic areas in relation to Lisbon and Barcelona objectives
- Forward looking policy and indicator analysis

Development of innovative approaches for single and composite indicators

- Improved statistical methodology
- Composite indicator methodology
- Elaboration of sensitivity analysis
- Evaluation of analytical properties of indicators
- Investigation of adequate presentational techniques
- Scenario analysis in co-operation with Commission services

Overview of the workplan / programme

Session I:

- Defining the Knowledge-Based Economy
- Indicators for the KBE

Session II

- Co-operation with our partners from EU-KLEMS
- Building upon findings from NESIS

Session III:

5. Composite Indicators for the KBE

Session IV:

3. Statistical Analysis for KBE Indicators:

- Mathematical and statistical properties of indicators
- Data quality including missing value analysis

4. The Way Forward: Innovative Use of KBE Indicators

6. Role of Multinationals for Information on R & D

7. Simulation Study:

- Investigation of outcomes via simulation study
 - Scenario analysis
-

Participants

- Joint Research Center, Ispra, Italy:
Andrea Saltelli, Niels Schulze, Giuseppe Munda,
Stefano Tarantola, Michaela Saisana
- Katholieke Universiteit Leuven, Belgium:
Tom Van Puyenbroeck, Laurens Cherchye,
Wim Moesen
- University of Maastricht, MERIT, The Netherlands:
Anthony Arundel, Wendy Hansen
- Statistics Finland, Finland:
Mikael Åkerblom, Tero Luhtala
- Eberhard Karls University of Tübingen, Germany:
Ralf Münnich (CO), Luis Huergo, Kersten Magg,
Dominik Ohly, Rolf Wiegert

Contact Details

Ralf Münnich (coordinator)

Economics Department of the University of Tübingen

Chair of Statistics, Econometrics, and Operations Research

Mohlstraße 36

72074 Tübingen

Germany

Phone: +49 7071 29-72570

Fax: +49 7071 29-5546

e-mail: ralf.muennich@uni-tuebingen.de

WEB: <http://www.kei.publicstatistics.net>