

# STI

# Studies

**Science, Technology & Innovation Studies**  
**Vol. 6 (2010), No 1 (August)**

## Content

Ingo Schulz-Schaeffer	Editorial	3
Raymund Werle	Interaction of Science and Society	
Johannes Weyer		

## Articles

Haico te Kulve	Emerging Technologies and Waiting Games: Institutional entrepreneurs around nanotechnology in the food packaging sector	7
Vuk Uskoković Milica Ševkušić Dragan P. Uskoković	Strategies for the Scientific Progress of the Developing Countries in the New Millennium. The case of Serbia in comparison with Slovenia and South Korea	33

## Discussion: Mode 2 revisited?

Laurens K. Hessel Harro van Lente	The Mixed Blessing of Mode 2 Knowledge Production	65
Arie Rip	Social Robustness and the Mode 2 Diagnosis	71
Peter Wehling	How to Make the Mode 2 Thesis Sociologically More Robust? A comment on Monika Kurath and Janus Hansen	75
Janus Hansen	Social Robustness as Analytical Tool or Normative Standard? A comment on Monika Kurath	81
Monika Kurath	Mode 2: Theory or Social Diagnosis? A comment on Janus Hansen	87

**ISSN:** 1861-3675

**[www.sti-studies.de](http://www.sti-studies.de)**



## **Editorial** **Interaction of Science and Society**

The last issue of STI-Studies (vol. 5, no. 2) contained two articles on mode 2 issues, written by Janus Hansen and Monika Kurath, addressing the theoretical basis as well as the empirical foundation of this concept.

The editors of STI-Studies received a substantial number of comments on these two articles indicating that the mode 2 debate is still vivid – and that relevant issues still are contested such as the de-differentiation thesis or the question of legitimacy of public participation.

Following the two main articles of this issue, readers will find a discussion section with contributions of *Laurens Hessel*s and *Harro van Lente*, *Arie Rip*, *Peter Wehling*, and finally two comments of *Janus Hansen* and *Monika Kurath* on each other's article. All of them point to the value and the additional insights of the current debate, but also to some weaknesses of Hansen's proposal to include systems theory as well as of Kurath's attempt to measure social robustness.

The two main articles also refer to the interaction of science and society. In his paper "*Emerging Technologies and Waiting Games*", Haico te Kulve presents a case study of institutional entrepreneurship and the evolution of rules and practices of using emergent technologies, such as nanotechnology, in the food packaging sector.

In their paper "*Strategies for the Scientific Progress of the Developing Countries in the New Millennium*", Vuk Uskoković, Milica Ševkušić and Dragan P. Uskoković put forward the question, how developing countries can catch up or even leap-frog the leading states by mobilizing science – and at the same time avoid the pitfalls and risks of modernization which have shown up in many developed countries.

Many thanks to Franziska Perlick for language assistance, Fabian Lücke for layout editing, and Jens Kroniger for web publishing.

Ingo Schulz-Schaeffer

Raymund Werle

Johannes Weyer

