

# **Prof. Rolf-Ulrich Sprenger: “Decision Support Systems and Public Participation: Fighting the Autism of Modellers – The Case of the GLOWA Danube Project”**

## **Abstract**

In the GLOWA-Danube project, a simulation based instrument has been developed with the assistance of the decisions-support system DANUBIA that gives the user the ability to examine scenarios for changes in water balance as well as support in the selection of courses of action with regard to sustainable water management. The project faces the task of designing the development and use of DANUBIA in dialogue with the social stakeholders that are still to be identified. To give a methodological consistency to this dialogue, an informal procedure for the participation of stakeholders will be systematically developed that addresses the problems, and that is operationally planned and experimentally proven. In addition, the quality of the results will be improved by an on-going evaluation and the results and experiences will be presented to the public in a suitable form.

With the thorough integration of stakeholders, a decisive contribution can be expected both for the validation of the system with respect to its practicability as well as its concrete usefulness. In order to support the usability of DANUBIA by non-experts, an adaptive user interface will be created that can be interactively adapted to a user profile, thus permitting an individual use of DANUBIA and a transparent presentation of results.

## **Curriculum Vitae**

### Fields of interest

Research, consulting and lecturing in environmental economics with emphasis in the areas of sustainable development, macroeconomic impacts of environmental policies, market-based instruments; environmental policies in the EU, Japan and the US and in transition countries; networking; moderation.

### Professional Experience:

1999 - 2004	Director, Department of Environmental, Regional and Transport Economics, IFO
1998 - 1999	Director, Environmental and Resource Economics Department, IFO
1992 - present	Visiting Professor, College of Europe, Bruges.
1989 - 1998	Director, Environmental Economics Department, IFO
1987	Visiting Research Fellow, Science Center for Social Sciences, Berlin.
1984 – 1988	Director, Research Group on Environmental Economics, IFO.
1970 - 1984	Research Fellow, Transportation and Industry Divisions, IFO.
1969 - 1970	Market Analyst, Marketing Research Division, Air Canada Headquarters, Montreal.

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1969 Management Trainee, Transport Division, BASF, Ludwigshafen.

Consulting Assignments:

2004 European Integration Office of Serbia and Montenegro: EU  
Training

2003 Programme for Civil Servants in Serbia and Montenegro  
European Environmental Bureau: PHARE Project "Green Jobs in  
Poland"

2002-2003 China Council for International Cooperation on Environment and  
Development: Task Force "Financial Mechanisms for

Environmental  
Protection"

2001-2003 OECD: Working Group on National Environmental Policies:  
"Environmental Policies and Employment"

1998 Institute for Prospective Technological Studies (IPTS), Sevilla: Panel  
on

European Futures 2010

1997 European Commission, DG XI: Policy Background Paper and  
Commission's Communication on „Environment and Employment"

1995-1998 German Federal Parliament, Bonn: Commission of Inquiry into  
„The Concept of Sustainability"

OECD, Environment Directorate: "Environmental Policies and  
Employment"

World Bank, Washington D.C., and Chinese Academy of Environ-  
mental Sciences, Beijing: Reform of the Chinese Pollution Levy

System

1995 European Commission, DG XVI: First Cohesion Report of the

European

Union

European Foundation for the Improvement of Working and Living  
Conditions: Research Group on Sustainability and Employment

1989 European Commission Task Force: "1992: The Environmental  
Dimension"

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