

Biosketches of Lecturers

IUSF-TIAS Autumn School 2015

Concepts, frameworks & methods for the comparative analysis of water governance

Sören Bauer is a Vienna-based strategic communication and knowledge management consultant. He has over twelve years' experience in water communication and worked extensively on the water-energy-food nexus. Sören has worked in more than twenty countries (Europe, Africa, and the Middle East) on environmental communication assignments related to water and energy. He has led and supported the development and establishment of several successful brands such as the African Water Facility, the European Innovation Partnership on Water, the World Bank's "thirsty energy" initiative and others. His clients include development banks, the EU Commission, non-profit organisations and others. Sören is a partner of the Water Communication Consortium and an associate of the Knowledge Management Academy KMA.

Prof. Dr. Claudia R. Binder holds a PhD in environmental sciences and a *venia legendi* in Human-Environment Systems, both from ETHZ, Switzerland. From 2006 to 2009 she was assistant professor for Social and Industrial Ecology at the University of Zurich, Switzerland; from 2009 to 2011 she was professor for Systems Sciences at the University of Graz, Austria. Since 2011 she is full professor for Human Environment Relations in the Department of Geography at the University of Munich. She is a founding Member of the "European Group for the Study of Socio-Ecological and Socio-Technical Systems" and a member of the working group, "Spatial politics and planning for the energy transition," in Germany. In 2013 she was elected spokeswoman (*Sprecherin*) for the interdisciplinary research consortium ForChange dealing with resilience and transitions in current social and social-ecological systems.

Her research interests lie in analyzing, modeling and assessing transitions towards sustainability. In doing so, she develops inter-and transdisciplinary methods which are able to depict the key aspects of the ecological and the social systems and moreover the relations, feedbacks, and regulatory mechanisms between them. Her application areas are in energy, phosphorous, water, food, and land-use in the context of urban, peri-urban and rural development in Europe and Latin America. She has over 50 peer-reviewed publications in renowned journals such as *Ecology and Society*, *Ecological Economics*, *Environment Science and Technology* and *Industrial Ecology*. With her team she has organized and co-organized more than 18 conferences and guided over 20 stakeholder workshops including scenario development to eliciting and consolidating system knowledge, and result dissemination.

Prof. Dr. Hans Th. A. Bressers is professor of Policy Studies and Environmental Policy at the University of Twente in the Netherlands and founder of the CSTM, the Department of Governance and Technology for Sustainability. At the university level he is the Chair of the Twente Water Centre, that bundles the over 150 water management researchers of all technical, natural science and policy-oriented faculties of the University of Twente.

Previously he has been, inter alia, vice-chairman of the official permanent Evaluation Committee of the Environmental Management Act, which advised the Minister regularly on the efficacy of Dutch environmental policy. He was also the chairman of the Advisory Committee to the Dutch Minister for the Environment for the implementation of environmental policy by local government. Currently he is at the Dutch national level an independent scientific member of the Commission on Sustainable development of the Dutch Social-Economic Council (SER), and of the national Advisory Committee on Water, that was chaired by the Prince of Orange until April 2013 when he became king.

His dissertation on the effectiveness Dutch water quality management (1983) won the annual award for best Dutch Public Administration book. He has published on environmental and sustainability-oriented policies, often water policy in over three hundred articles, chapters, reports, papers and books (both in Dutch and in English).

Dr. Antje Goedeking is a freshwater biologist at Wasserverband Eifel-Rur where she has been working for about 15 years now. Wasserverband Eifel-Rur is a public regional water board (public corporation) responsible for wastewater treatment and water management including the management of six large reservoirs in the low mountain range of the Eifel and many rivers and creeks in the catchment of the Rur River. The organization has 500 to 600 employees. Antje works at the department responsible for the planning and maintenance of rivers and creeks where she coordinates biological aspects of projects and is the project manager of various European (INTERREG) projects, including the Rhein-Maas project and the Northwest European projects, Joint Approach to Flooding (JAF), Water Adaptation is Valuable for Everybody (WAVE) and the Governance of Drought Adaptation (DROP). In the latter project, she closely collaborated with scientists who assessed the governance of droughts and water scarcity in the region.

Christian Knieper is a doctoral researcher at the Institute of Environmental Systems Research, Osnabrück University. He focuses on comparative analyses of water governance in river basins around the world. His objective is to find out how the combination of governance arrangements with regional context conditions can lead to a good state of riverine environments. To this end, he applies Qualitative Comparative Analysis (QCA) in his research. Further activities relate to the investigation of paths towards human water security in various spatial contexts and the (co-)development of databases for studying and comparing water governance regimes as well as social-ecological systems.

Prof. Dr. Rolf Künneke is full Professor of Economics of Infrastructures at the Faculty of Technology, Policy and Management of Delft University of Technology. His research is dedicated to the regulation of the energy sector. He takes an institutional-economic perspective, relating technical characteristics of the energy sector to the regulatory arrangements, and vice versa. Recent research interests include opportunities for self-governance in the energy sector, system integration of renewable energy, social responsible innovation, and energy system modeling. He was board member of a large national large research program on the future of the Dutch gas system (EDGaR: Energy Delta Gas

Research) and he recently received grants from the Dutch Science Foundation NWO on social responsible innovations in energy systems (offshore wind and smart grids).

Prof. Dr. Peter P. Mollinga was trained as an irrigation engineer at Wageningen University, the Netherlands; his PhD is on the political economy of irrigation water management in South India. He is Professor of Development Studies at the School of Oriental and African Studies (SOAS), London, UK, where he also initiated the Centre for Water and Development. He is one of the three founding editors of *Water Alternatives*. An interdisciplinary journal on water, politics and development. His research fields are water governance & water politics, agrarian change and technology, and inter- and transdisciplinary approaches to natural resources management. His geographical focus is Asia, particularly South Asia and Central Asia.

Prof. Dr. Claudia Pahl-Wostl is professor for resources management and director of the Institute for Environmental Systems Research at the University of Osnabrück, Germany, and co-chair of the Global Water System Project (www.gwsp.org). Her major research interests are adaptive, multi-level governance and management of water resources, social and societal learning and their role in sustainability transformations, and conceptual and methodological frameworks to analyze social-ecological systems. She is (co)author of numerous papers in peer-reviewed journals, chapters in edited books, policy briefs and popular reports. Her emphasis on interdisciplinary and community-building work is reflected in her role as editor of three books and twelve special issues in peer-reviewed interdisciplinary journals.

Prof. Insa Theesfeld leads the Department of Agricultural, Environmental and Food Policy at the Martin-Luther-University Halle-Wittenberg in Germany. She is an agricultural economist, specialized in institutional economics and resource economics. She received her doctorate degree from Humboldt University of Berlin, Germany with the dissertation on “A Common-Pool Resource in Transition: Determinants of Bulgaria’s Postsocialist Irrigation Sector”. She has long lead the research group “Institutions and Natural Resource Management” at the Leibniz Institute of Agricultural Development in Transition Economies in Halle, Germany. Her Habilitation Thesis dealt with “Mapping Institutional Change and the Particularities of Power and Leadership in the Agricultural Sector”. Her research fields compose theories of institutional change, the fit between policies foreseen to be implemented and the institutional arrangements in place, the creation of institutional arrangements by communities to govern their use of renewable natural resources. She serves on the Council of the International Association for the Study of the Commons (IASC). In addition, she is a longstanding scholar in the field of water governance. She has initiated and conducted or supervised various research projects in the field of water governance.

Dr. Stefan Verweij (1985) studied Public Administration at Erasmus University Rotterdam, specializing in the governance of complex spatial developments (M.Sc., 2009). In 2009, he joined the Department of Public Administration at Erasmus University Rotterdam (the Netherlands) as a junior lecturer, and in 2011 he started working there as a Ph.D. Candidate. In this Ph.D. research Stefan examined the management of complex implementation processes of public-private partnership projects, and he specialized in qualitative research methods and

qualitative comparative analysis in particular. He received his Ph.D. degree in 2015. Alongside his doctoral research, Stefan was also a visiting researcher at Rijkswaterstaat (2013-2014) and at the Bertelsmann Foundation in Germany (2014). Furthermore, he taught courses on governance networks and qualitative comparative analysis, and co-supervised master theses. Stefan's work has been published in multiple academic journals. He regularly writes about his research in professional magazines as well.

As of March 2015, Stefan works as an Akademischer rat auf Zeit (Assistant Professor) in the Department of Political Science at the University of Bamberg (Germany), where he continues his research on complexity, governance networks, infrastructure projects, management, public-private partnerships, spatial planning, and qualitative comparative analysis. He also teaches on these topics. More information about Stefan: www.stefanverweij.eu.

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