

Programme, Participants and Travel Information (version: 19 Oct. 2015)

IUSF-TIAS Autumn School 2015 “Concepts, frameworks and methods for the comparative analysis of water governance”

October 28 to November 5, 2015 in Jülich, Germany

(Arrival on Oct. 27; Departure on Nov. 6)

Organized by the **Institute of Environmental Systems Research**, Univ. of Osnabrück
and **The Integrated Assessment Society**

Homepage: <http://www.tias-web.info/tias-summer-schools/autumn-school/>

Intranet site for participants and lecturers only:

<http://www.tias-web.info/iusf-tias-autumn-school-information-for-participants-and-lecturers/>

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1 Introduction and preparations

We are happy to announce that we now received confirmations from all participants. We have 23 participants in total, including 10 male and 13 female participants, 17 PhD students and 6 postdoc researchers from 14 different countries with 14 different nationalities (see also the list of participants including information about their research position and interests). All participants will be invited to join a LinkedIn group so that they have the opportunity to get to know each other a bit in advance of the event.

Please note that prior to the Autumn School, participants are expected to **read the compulsory articles and chapters** provided by the lecturers. As of 22 Sept most of this reading material has been made available to the participants (Link: <http://www.tias-web.info/iusf-tias-autumn-school-information-for-participants-and-lecturers/> and then click on the **Background Reading**. The password was sent to you by email on Sept. 21st).

Participants are asked to bring **a laptop** if possible. This will be useful during some working sessions.

As is shown in the programme on the next page, participants will be asked **to introduce their research topic and how this training is relevant to it** on the first day of the Autumn School. Presentations should be limited to 3 minutes. Participants may also present this as a poster or in slide format. Up to 2 slides may be presented and should be sent to training@tias-web.info by **Friday, 23 Oct.**

Below you find the latest version of the programme. Please take into account that a farewell party is planned for the last evening (Thursday the 5th of November) where every participant is invited to present something related to his/her own country/region/culture (for example, a story, a song or dance, a costume, food – ready made, etc.). Please limit your presentation to **7 mins.** (given the number of participants). Unlike the background readings, this is not mandatory

2 Draft Programme (version: 19 Oct. 2015)

Note: Morning and afternoon sessions include a 30-minute break

Tuesday 27th of October		
Check-in at JUFA Jülich Energiewelt Indeland im Brückenkopf Park		
18.30	Joint Dinner with participants, organizers and present lecturers, including welcome and introduction to the Autumn School programme and participants at the JUFA venue (for late arrivals the restaurant closes at 19.30)	
Wednesday 28th of October		
9:00-12:30	Introduction to water governance and comparative analysis	Claudia Pahl-Wostl
12.30-14.00	<i>Lunch break</i>	
14:00-17:30	Plenary session with participants presenting their own research and their expectations of the training with oral and written feedback provided by the organisers and other participants.	Claudia Pahl-Wostl
18.30	<i>Dinner</i>	
Thursday 29th of October		
9:00-12:30	Frameworks for analyzing socio-ecological systems Data collection and data analysis	Claudia Binder
12.30-14.00	<i>Lunch break</i>	
14:00-17:30	An introduction to available databases (Christian Knieper) Working session: Design and use of databases for comparative water governance research	Claudia Binder, Claudia Pahl-Wostl, Christian Knieper
18.30	<i>Dinner</i>	
Friday 30th of October		
9:00-12:30	Introduction to Property-Rights Theory Presentation of a Property-Rights Framework for comparative studies of linking land and water governance	Insa Theesfeld
12.30-14.00	<i>Lunch break</i>	
14:00-17:30	Presentation: The management and governance of water resources in the Eifel-Rur region, including the results of and experiences with a governance assessment. Excursion through the regional water system (direct surroundings of Jülich)	Antje Goedeking
18.30	<i>Dinner</i>	
Saturday 31st of October and Sunday the 1st of November: leisure time		
Monday 2nd of November		
9:00-12:30	Causality and explanation: comparative method's ontological and epistemological underpinnings	Peter Mollinga
12.30-14.00	<i>Lunch break</i>	
14:00-17:30	Research design and fieldwork for comparative research	Peter Mollinga

18.30	<i>Dinner</i>	
Tuesday 3rd of November		
9.00-12.30	Introduction to Qualitative Comparative Analysis (QCA) as a research approach The development of a model for QCA: experiences from the KNOW2ADAPT research project A study of the relation between governance system configuration and adaptive capacity using fsQCA Working session: Designing a QCA research project	Stefan Verweij Joanne Vinke-de Kruijf Christian Knieper
12.30-14.00	<i>Lunch break</i>	
14.00-17.30	An introduction of QCA analytical techniques Working session: Applying basic QCA analytical techniques Analysing and interpreting data in QCA: an overview of the key challenges	Stefan Verweij, Christian Knieper,
18.30	<i>Dinner</i>	
Wednesday 4th of November		
9:00-12:30	Water governance from a public policy perspective The assessment and comparison of water governance systems in diverse contexts: practical experiences	Hans Bressers
12.30-14.00	<i>Lunch break</i>	
14:00-17:30	Governance of complex socio-technical and socio-ecological systems	Rolf Künneke
18.30	<i>Dinner</i>	
Thursday 5th of November		
9:00-12:30	An introduction into interdisciplinary and transdisciplinary water governance research (Joanne Vinke-de Kruijf) Water governance and science-policy communication (Sören Bauer) Synthesis and summary of the Autumn School sessions	Claudia Pahl-Wostl, Sören Bauer, Joanne Vinke-de Kruijf
12.30-14.00	<i>Lunch break</i>	
14:00-17:30	Completion of evaluation forms Plenary discussion of the summer school experience: what has been learned and how can this be used in your own research? What could be potential follow-up activities? Synthesis (Caroline van Bers) Closing words (Claudia Pahl-Wostl)	Caroline van Bers, Claudia Pahl-Wostl
18.30	<i>Dinner</i>	
20.00	Farewell and Cultural Event	
Thursday evening or Friday morning		
	Check-out and departure	

3 Profiles of participants

Ms. Marie Claire Brisbois, Environment and Resource Studies, University of Waterloo, Canada
Research position and interests: I have successfully defended my doctoral degree and am currently completing outstanding program requirements in order to graduate in October 2015. I am also

preparing a postdoctoral research plan and searching for postdoctoral or research opportunities where I will be able to pursue my research goals in a university setting. My present research focus includes several distinct yet related projects including:

- A funded research position through Wilfred Laurier University examining the potential of citizen science addressing climate change to foster transformative learning
- Preparation of a postdoctoral research funding application focusing on the potential of place-based governance to address transformative systems of water, energy and food governance through power theory and investigated using participatory action research
- The preparation of several manuscripts and grants resulting either directly or indirectly from my doctoral research addressing: power in water governance, resource industry motivation for participating in water governance, the power of citizens in collaborative water governance, the power of the state in water governance, the potential of scenario building to help inform municipal water planning, and the application of Terror Management Theory to water governance

Cesar Augusto Casiano Flores, Department of Governance and Technology for Sustainability, University of Twente, Netherlands

Research position and interests: I am part of the on-site research staff in the Department of Governance and Technology for Sustainability (CSTM) - University of Twente. I have a scholarship from the Mexican Science Council (CONACYT). I am mainly focused on my research in the Water Governance Assessment of the Sanitation Policy in Central Mexico. And I collaborate with the CSTM by advising students in their research, in some courses I participate with a presentation and I facilitate internships for Dutch students to do their field study in a Mexican NGO that works in water projects. My research topics of interest as showed in the CSTM website are: Water Governance, International Relations from an environmental perspective and Environmental Policy.

This is the link with my information: <http://www.utwente.nl/bms/cstm/people/on-res-staff/casiano/>

Ms. Vanessa Copa, Monash Sustainability Institute, Monash University, Australia

Research position and interests: My current position is as a PhD candidate at Monash University. I belong to a special Graduate Research Interdisciplinary Program (GRIP) with the Cooperative Research Centre for Water Sensitive Cities and the Monash Sustainability Institute. My research topic is "Urban water transitions to enable leapfrogging towards sustainable urban water management in a developing context", which the overall aim is to develop an explanatory framework that enables the assessment of potential conditions for leapfrogging developing cities towards sustainable urban water management. The underlying ambition is to contribute to urban water strategists, including funding agencies and national governments, through underpinning the development of urban water transitions in developing countries.

Mrs. Agnes Maria de Aragão da Costa, Institut für Landschaftsarchitektur und Umweltplanung, FG Landschaftsökonomie, TU-Berlin, Germany

Research position and interests: I am an external PhD candidate (Externe Doktorandin) at TU-Berlin, supervised by Dr. Prof. Volkmar Hartje. My research field is global governance and sustainable dams and the topic that I am starting to work on is greenhouse gas emissions in reservoirs.

I am also a Director and Senior Economist at the Brazilian Ministry of Mines and Energy, and I am specialized on economics of the energy and mining sectors. I am engaged in providing policy recommendations and monitoring policy results and I have been working at the Economic Advisory Office of the Minister's Cabinet for 10 years.

Mr. Pranjal Deekshit, Center for Water Policy, Regulation and Governance, School of Habitat Studies, Tata Institute of Social Sciences, India

Research position and interests: I am a doctoral student at School of Habitat Studies in Tata Institute of Social Sciences (TISS). In my doctoral studies I am looking urban water governance in the context of neoliberal reforms in the urban sector in India, particularly in the state of Maharashtra.

I have also been working as an Assistant Professor since September 2012 with Centre for Water Policy, Regulation and Governance (CWPRG). I teach courses on Water-Conflicts as well as urban / rural water and sanitation in the Masters in Water Policy and Governance — a two years full time multidisciplinary program.

Despite opposition of different sorts and in diverse forms, reforms initiated in the year of 1991 in India have progressed and engulfed almost every sector in India. Urban water is an interesting arena where

neo-liberalistic perspectives on urban infrastructure reforms as well as water-sector reforms converge. My research focuses on interaction between neo-liberalism and local political economy in order to understand intended and actual institutional and governance transformations in India. In the coming days, I am also planning to undertake research on conflicts focusing on water allocations and access. The literature on local and regional water-conflicts in India is growing however it calls for building on existing approaches to understand them and developing robust frameworks to capture the nature and diversity on the background of rapid industrialization and urbanization.

Mr. Francesco Gimelli, Monash Sustainability Institute, Monash University, Australia

Research position and interests: I am currently a doctoral candidate in the Graduate Research Interdisciplinary Program (GRIP) for sustainable urban water management (UWG) in developing Asian cities at the Monash Sustainability Institute at Monash University, Melbourne, Australia. My doctoral research asks how participatory uwg arrangements can best enable transitions to just, water sensitive cities. The aim of my research is to inform the development of just UWG policy, structures and processes that are accountable to, empower and meaningfully involve marginalised populations. In order to achieve this aim I will 1) create a conceptual framework for evaluating the justice of participatory structures and processes of UWG in areas of acute inequality; 2) reveal the shortcomings and strengths of current participatory structures and processes of UWG in relation to ensuring just outcomes through rigorous empirical case studies and 3) derive policy and practical guidelines to ensure that participatory structures and processes of UWG are just in relation to marginalised populations.

Mr. Corentin Girard, Instituto de Ingenieria del Agua y Medio ambiente, Universidad Politecnica de Valencia, Spain

Research position and interests: I'm currently full time researcher and PhD candidate at the Water and Environmental Engineering Institute of the Technical University of Valencia, in Spain. I am funded by a national research grant from the Spanish ministry of education for the training of University Lecturer. I am now finalizing a double degree PhD on the integration of top-down and bottom-up approaches for the planning of global change adaptation at the river basin level. I realized this PhD between the Doctorate School of Economics of Montpellier in France, associated to the UMR G-EAU research institute, and the environmental and water engineering PhD programme of the Technical University of Valencia in Spain.

During my PhD, I have been involved in a French project to develop an interdisciplinary framework for global change adaptation research at the local river basin level, and I am currently involved in a national research project in Spain, IMPADAPT, that deals as well with global change adaptation in water resources systems. During these experiences, I personally developed my research on the planning for global change adaptation at the river basin scale, the development of an interdisciplinary framework to support local water adaptation policy decision-making, and the analysis of equity issues related to local adaptation of water resources systems. My interest in water governance is coming at the intersection of these different topics.

Ms. Paula Hanasz, Crawford School of Public Policy, Australian National University, Australia

Research position and interests: I am completing a PhD thesis on transboundary water governance in the Ganges-Brahmaputra-Meghna basin in South Asia. I am examining the role of international institutions (primarily the World Bank) and donors (primarily the Australian government) in the water interactions (i.e., levels of conflict and cooperation) in the “problemshed” between India, Nepal, Bhutan and Bangladesh. Of particular interest to me is the emphasis of these international interventions on “deliberative governance” processes and “sustainable development.” I take a critical water studies approach to these issues.

The problemshed of interest to me can be broadly defined as the hydropolitics over the construction of multipurpose infrastructure projects in the eastern Himalaya region, i.e., large dams that would generate hydropower, mitigate flooding, regulate dry season flows, and provide irrigation to parts of Nepal, Bhutan, Bangladesh, and the hydro-hegemon, India. In recent years, this problemshed has gained significant international attention and donor funding.

In my thesis, I analyse the drivers for international interest in the governance of transboundary water resources in this problemshed. I then establish the broad (explicit and implicit) objectives based on these drivers, which include ensuring overall regional stability and reducing water conflicts. I argue that these objectives are unlikely to be met under current approaches. The study of these hydropolitics

does, however, shed light on the out-of-basin drivers of international interventions, and provides insights into how such interventions in other basins and problemsheds may be managed for improved water governance outcomes.

I am based at the Australian National University, at the Crawford School of Public Policy, and my homepage is here: <https://crawford.anu.edu.au/people/phd/paula-hanasz>

Mr. Christian Knieper (participant and lecturer), Institute for Environmental Systems Research, University of Osnabrück, Germany

Research position and interests: Christian Knieper is a PhD student 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, Mr. Knieper 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

Ms. Nadine Methner, African Climate & Development Initiative, University of Cape Town, South Africa

Research position and interests: Nadine Methner joined the ACIDI as a postdoctoral researcher in climate change response in the agricultural sector in December 2014. As part of a multi-disciplinary team, Nadine is currently assisting the provincial government of the Western Cape, South Africa to develop a practical and locally relevant climate change response strategy for the agricultural sector of the province. Nadine is very passionate about the project as it combines meaningful stakeholder engagement with state of the art science in an attempt to strengthen the resilience of the agricultural sector and to create opportunities for innovation and collaboration across the value chain. Nadine completed her PhD in the Department of Environmental and Geographical Science at the University of Cape Town in 2014.

Mr. Jalal Mirnezami, Water resources engineering department, Agricultural faculty, Tarbiat Modares University, Iran

Research position and interests: I am a PhD student in the field of water resources management at the Tarbiat Modares University in Tehran, Iran. My current research is on assessment of social-ecological resilience of a groundwater resource system with the focus on governance. Recently I had an 8 month visit to the University of Twente and tried to develop a contextual approach to the implementation of water conservation policies. As the first output of the visit, I am finalizing my paper about the governance assessment for the conservation policies in Iran. My main research topic is analysis of governance related barriers to conservation of water resources. And I want to conceptualize and depict the findings in a system dynamics approach.

Mrs. Marta Nieto Romero, Centre for the Management of Agricultural and Environmental Risks (CEIGRAM), Universidad Politécnica de Madrid, Spain

Research position and interests: I am a PhD student in the topic of governance of natural resources, particularly about the policy drivers of unsustainable agricultural management leading overexploitation of water bodies and biodiversity degradation. I undertake policy analysis methods, social network analysis, interviews and focus groups, scenario planning and backcasting.

Ms. Mar Violeta Ortega-Reig, Department of Rural Engineering Polytechnic University of Valencia

Research position and interests: I am a currently PhD candidate at the Polytechnic University of Valencia, in Spain, in the doctorate programme of Water and Environmental Engineering, investigating under the joint supervision of an agricultural economist, a geographer and an agricultural engineer the “Collective management of irrigation in eastern Spain in the integration of new technologies and water resources”. I focus on the study of existing rules and operating principles developed by irrigation communities of the “Huerta of Valencia” to manage water as a common-pool resource. I am especially interested in assessing the changes in the social organization of traditional irrigation communities associated to the transition from gravity to drip irrigation and to the integration

of new water resources (groundwater and treated waste water). I'm as well an active member and official advisor of the Assut Foundation (fundacioassut.org) developing participatory-action research projects at the interface between science and society to preserve the cultural heritage associated to the traditional irrigation systems of the Valencian region.

My research interests lie at the interface between technical and social sciences required to understand the governance systems associated to these irrigation communities, investigating the underlying principles, concepts and theories that explain institutional transformation in the collective management of irrigation systems. I am also now analysing from a broader perspective the process of socio-technical integration that occurs when policy development require the introduction of new technologies such as drip irrigation in a given social context.

Mr. Jacob Petersen-Perlman, Department of Geography, Hebrew University of Jerusalem, Israel

Research position and interests: I am a Post-Doctoral Scholar through the Ken Alberman Fellowship in Water, Society and Geopolitics in the Middle East at the Department of Geography at Hebrew University of Jerusalem, in Israel. The fellowship is research-based.

I consider myself a human geographer who focuses on water resources governance, water security, and transboundary water cooperation and conflict. As the world's population grows and experiences climate change, problems involving water will undoubtedly become more prevalent as both demand and scarcity increase. Finding new alternatives to resolving these problems is what drives me as a researcher.

I am currently working on a number of research papers focusing on water security and water governance. A couple of the areas where my research is focusing is on hydropolitical resilience, counter-hegemony in transboundary river basins, and the role of environmental considerations in transboundary water agreements.

Mr. Pranay Ranjan, School of Environment & Natural Resources, Ohio State University, USA

Research position and interests: I am currently a visiting researcher in the environmental governance group in the department of agricultural economics at Humboldt-Universität zu Berlin. I am examining the role of collective action in agricultural drainage management institutions, particularly from the perspective of collective action variables – group size and heterogeneity. This works also forms the foundation of my doctoral research at The Ohio State University.

I am also a Graduate Research Associate in the School of Environment & Natural Resources at The Ohio State University. I am leading all phases of social component of the research project titled, "An integrated approach to foster science-based management of agricultural drainage channels in the Western Lake Erie Basin". In addition to my doctoral research on understanding collective action in agricultural drainage management, as part of this project, I am also studying adoption of two-stage drainage ditches, a scientifically identified agricultural best management practice.

Ms. Nadine Jenny Shirin Schröder, Albrecht-Daniel-Thaer-Institut, Guestprofessorship Environmental Governance, Humboldt-Universität zu Berlin, Germany

Research position and interests: During my PhD I'm analyzing and comparing different governance structures in Germany (cities with its outer conurbation area from different federal states) which are relevant in the implementation process of the EU Water Framework Directive. The Directive lets much room for interpretation what way could be pursued to reach the different aims.

I question how local decision-makers follow the WFD requirements of planning along water catchment-areas, encouraging the participation of the public and coordinating across administrative and sectoral borders and which factors, not given by the WFD, influence the way how planning processes are conducted (e.g. the decision whether when and how plans are coordinated with other actors). Which Governance Structures developed why and which role plays the (Poly-) Centricity of decision-centers influencing the waters with its measures?

In this context I'm searching for a way to operationalize the concept of Polycentricity for water management as it is not clearly defined in the literature but has potential as a useful framework. Additionally I'm searching for a way of comparing coordination processes across different cases and especially governance structures as different constellations require and allow different forms of coordination for example to overcome different kinds of conflicts (underlying power relations, institutional interplay) or different forms of administrative fragmentation (territorial scope, levels, overlapping, types of actors). As there are no panaceas of governance structures for a watershed it seems to be interesting to assess whether existing coordination processes are adequate for reaching

defined goals and how to improve them.

https://www.iri-thesys.org/research/doctoral_research/group_14-15/polycentric-water-restoration

<http://www.agrar.hu-berlin.de/de/institut/departments/daoe/envirgov/mitarbeiter/nadine>

Ms. Barbara Anne Schroeter, Leibniz Centre for Agricultural Landscape Research, Institute of Socio-Economics, Germany

Research position and interests: Since 2011 I have been working as a post-doc researcher at Leibniz Centre for Agricultural Landscape Research (ZALF) in Muencheberg, Germany. My main research focus is on governance and institutional analysis, social network analysis with Net-Map, civil society engagement, participation and social capital as well as ecosystem management. My regional focus is Latin America.

I started to investigate governance models and actor analysis in CiVi.net project about (the capacity of civil society y organisations and their networks in community based environmental management) in Brazil and Costa Rica. In our recent project on “Civil-Public-Private-Partnerships (cp³) and collaborative governance approaches for policy innovation to enhance biodiversity and ecosystem services delivery in agricultural landscapes” I will focus on conflict in water governance in the biosphere reserve Spreewald – in comparison to two other case studies in Austria (Jauerling-Wachau) and the Netherlands (Ijssel/Gelderse), as well as on institutional (mis)-fit between the established governance approaches and the spatial and temporal scales that are relevant for effective ES provision and biodiversity protection.

Homepage: <http://www.zalf.de/de/forschung/institute/soz/mitarbeiter/schroeter/Seiten/default.aspx>

<http://www.civinet.eu/english>

Mr. Christian Stein, Institute of Environmental Systems Research, Universität Osnabrück, Germany

Research position and interests: I am a doctoral student at the Institute of Environmental Systems Research, University of Osnabrück, Germany and a research associate with the Stockholm Environment Institute (SEI), University of York, UK.

My research focuses on the socio-political contexts of natural resources management, particularly water resource systems. I am interested in developing and applying social network research approaches to disentangle the diverse linkages and interdependencies that characterize contemporary governance arrangements.

In the past few years I have worked in a number of projects related to water governance, agriculture and sustainable development with a geographic focus on Sub-Saharan Africa.

Link to my profile at the Stockholm Environment Institute: [http://www.sei-](http://www.sei-international.org/staff?staffid=224)

[international.org/staff?staffid=224](http://www.sei-international.org/staff?staffid=224)

Mrs. Dhanya Vijayan, Artec Sustainability Research Centre, University of Bremen, Germany

Research position and interests: German Chancellor Fellow, Alexander von Humboldt Foundation, Title of the project: Public participation in the context of multi-level water governance: A comparative study between Kerala, India and Germany, Europe.

- Review European Water Framework Directives, German Water Law and other policy documents in the context of public participation in water governance.
- Understanding major institutional changes advocating participatory process in water governance
- Analyzing the possible and actual modes of participation of different actors such as various governmental organizations on different administrative levels, NGOs and civil society in the management and governance of water-related resources and dynamics and related decision making processes.
- Evaluating the nature and process of public participation in water governance, identifying issues and comparing the situations with Kerala, India. This work is mainly based on literature reviews as well as interviews with major stakeholders

<http://www.uni-bremen.de/en/artec/research/projects/public-participation-in-the-context-of-multi-level-water-governance-in-kerala-and-germany-a-comparative-perspective.html>

Mrs. Joanne Vinke-de Kruijf (participant and organizer), Institute of Environmental Systems Research, University of Osnabrück, Germany

Research position and interests: In my Marie-Curie funded postdoc research I examine the conditions for and outcomes of learning at multiple levels in European cooperation projects (focus: water and climate change adaptation). Cases are systemically compared using Qualitative Comparative Analysis. My research interests include: multi-actor interaction processes, international collaboration, policy and knowledge transfer, social learning, water governance, climate change adaptation. Homepage: https://www.usf.uni-osnabrueck.de/institut/mitarbeiter/vinke_de_kruijf.html

Mr. Yin Yang, School of Geography and the Environment, University of Oxford

Research position and interests: PhD student in School of Geography and the Environment, University of Oxford. My PhD thesis is focused on urban water infrastructure investment and governance through a comparison study of Beijing and London. This thesis aims to investigate the institutions for urban water infrastructure in Beijing and London from the perspective of economic geography. Since the public sector takes the lead in water infrastructure of Beijing while the private sector does so in London, these two important global cities are chosen for a comparative study. Based on the theories of institutional and relational economic geography, this thesis organizes the study on the effect of institutions into four substantive chapters: Chapter III explains the current business models employed in Beijing and London for water infrastructure investment and the underlying institutions; Chapter IV analyses the impact of current governance frameworks on water service performances in Beijing and London; Chapter V investigates the effects of current pricing regulations for water services in the two cities; based upon the previous three chapters, Chapter VI explores the possible institutional innovation for facilitating private infrastructure investment in the two cities in future respectively.

The thesis has made the following contributions: firstly, it has compared the various trajectories of urban water infrastructure investment and governance in different political economies, especially the dialogue between Global North and South, making original contribution in the ‘geography of infrastructure’; secondly, the thesis employs cases studies to investigate institutions empirically – issues that have been neglected for much too long in mainstream economic geography; finally, in practical terms this research provides information for investors on potential opportunities for private infrastructure investment and suggestions for policy makers on institutional innovation to facilitate public-private partnership in particular institutional investors for infrastructure investment.

Mrs. Tahmina Yasmin, Monash Sustainability Institute within the School of Social Sciences, Monash University, Melbourne, Australia

Research position and interests: I am a PhD student working within an interdisciplinary research program which focuses on exploring pathways towards delivering Sustainable Urban Water Management in Developing Asian Cities, affiliated with the Monash Sustainability Institute and situated within the School of Social Sciences, Monash University, Melbourne, Australia.

My research involves a comparative analysis of water governance in the newer cities of developing countries in Asia. This study aims to reveal the adaptive governance principles required to support a transition towards water sensitive urban environments in developing countries. To achieve this, the research will focus on diagnosing the existing formal and informal institutional structures and processes supporting current urban water management regimes. Through examining the dynamics and interactions of network governance, this research will identify existing and potential pathways required for strengthening future transitions. To date, there is limited research in the developing world context which has undertaken network analysis and functionality assessment with regard to urban water management. Therefore, this research addresses this gap by unpacking the attributes of institutional lock-in, and will provide key insights regarding how to shape a transformation towards sustainable growth in urban water management. This social science, qualitative research project will draw on case study research, within information and data collected from primary and secondary sources.

Ms. Qian Zhou, School of Public Policy, Xiamen University, China

Research position and interests: ZHOU Qian is an Assistant Professor of School of Public Policy in Xiamen University. She got her Ph. D degree from the University of Hong Kong, with her dissertation titled "Pathways to collective action: a study of local irrigation governance and management in central China". Dr. Zhou’s research interests locate in the field of water governance, especially in China.

Links to her Ph.D dissertation and her current homepage:

(1) <http://hub.hku.hk/handle/10722/202364> ; (2) <http://psq.xmu.edu.cn/archives/personnal/ldh>

4 IUSF-TIAS Autumn School venue and accommodation

Hotel JUFA Jülich Energiewelt Indeland
Rurauenstraße 13
52428 Jülich

Tel: +49 (0)2461/99 66 67 0

Fax: +49 (0)2461/99 66 67 -50

Email: juelich@jufa.eu

Web: <https://www.jufa.eu/en/jufa-juelich-energiewelt-indeland-in-the-brueckenkopf-park/>

The reception desk is open 7:00 - 23:00. Those who expect to arrive outside these hours are requested to please inform Katharina Butke by email (training@tias-web.info) by **October 20th** so that arrangements can be made for a room key with the hotel reception in advance.

The hotel costs for participants and lecturers will be paid directly by IUSF.

5 How to get to Hotel JUFA Jülich Energiewelt Indeland

In order to reach the town of Jülich from one of the major airports, a regular train connection is available from all three airports. We strongly recommend you check train times in advance. You can also purchase your ticket online with a credit card via http://www.bahn.de/p_en/view/index.shtml although there are ticket offices and/or ticket machines at each airport train station.

From Düsseldorf Airport (approx. journey time to Jülich Train Station: ca.2 h)

Follow the signs to the monorail and take this to the Dusseldorf Airport train station (journey is approx.. 5 mins)

The Deutsche Bahn (German Train) Information Center and Ticket Office is open 06:30 - 21:30.

There is also a ticket machine. Purchase a ticket from Düsseldorf Airport to Jülich (2 different trains)

First train: Düsseldorf Airport to Düren

Second train: Düren to Jülich ('Rurtalbahn', Direction: Linnich Train Station, Timetable:

http://www.rath-gruppe.de/media/file/Düren_Jülich_Linnich_2014_15.pdf

From Köln/Bonn Airport (approx. journey time to Jülich Train Station: 1:30 h)

Deutsche Bahn (German Train)

Purchase ticket from Köln/Bonn Airport to Jülich at the ticket machine with a credit card or cash (Euro).

First train: Köln/Bonn Airport to Köln Hbf (Cologne central train station)

Second train: Köln Hbf to Düren (Regional express, Direction: Aachen Hbf)

Third train: Düren to Jülich (Rurtalbahn, Direction: Linnich Trainstation, Timetable: http://www.rath-gruppe.de/media/file/Düren_Jülich_Linnich_2014_15.pdf)

From Frankfurt Airport (approx. journey time to Jülich Train Station: 2.5 h)

Deutsche Bahn (German Train) Information and Ticket Center is open 06:30 - 21:30.

Purchase ticket from Frankfurt Airport to Jülich (3 different trains)

First train: Frankfurt Airport to Köln Hbf (Central trainstation)

Second train: Köln Hbf to Düren (Direction Aachen)

Third train: Düren to Jülich (Rurtalbahn, Direction: Jülich Nord, Timetable: http://www.rath-gruppe.de/media/file/Düren_Jülich_Linnich_2014_15.pdf)

From Jülich Train station to Hotel/Venue (JUFA Jülich Energiewelt Indeland)

The venue can be reached by foot in 30 minutes. However a bus is recommended for those with luggage.

The Bus Station is in front of the main train station “Bahnhof” (Bahnhofstrasse 10, 52428 Jülich). A one-way fare is €1.60 (use bills smaller than €20 to pay). The following buses travel in the direction of the JUFA venue:

Bus no. 6 (Direction “Bushof Eschweiler) from Bus platform F

Bus No. 220 (Direction Alsdorf or Aachen) from Bus platform A

Bus no. 275 (Direction Linnich, SIG Combibloc Bahnhof) from Bus platform C

Bus platforms at Jülich Station: http://download.avv.de/Umgebungsplaene/hlp_juelich_bf.pdf

Disembark at Bus stop “**Brückenkopfpark**”. Remember to press the request stop button well in advance!

Walk west along Aachener Landstraße (in the same direction as the bus), turn right onto “Niersteiner Weg” (next street) until you reach the hotel “JUFA Jülich Energiewelt Inland” (Rurauenstraße 13, 52428 Jülich). The bus trip is just 7 mins. The walk from the bus stop to the hotel is approximately 15 mins.

A bus schedule can be found at: <http://avv.de/de/linienfahrplaene>

Map of Bus Route



The organisers will pre-arrange pickups from the train station for those with a lot of luggage from Tuesday 27 Oct. 14.00h onwards. Those wishing to be picked up should inform Katharina Butke by email (kbutke@tias-web.info, training@tias-web.info) by **October, 20th** of the expected arrival time of their train. Those who arrive after midnight are asked to take a taxi from Jülich train station and will be reimbursed afterwards. The taxi stand is located outside the train station and the approximate cost of the 10-minute taxi journey is €15-€20. **Please ask for a receipt** (“Quittung” in German).

As indicated above the hotel reception closes at 23.00. Therefore please inform the organisers by Oct. 20th if you will arrive after this hour so that arrangements can be made for a room key.

Please contact one of the organisers in case your flight or train is delayed.

IMPORTANT TEL Numbers

Katharina Butke: +49 (0)15122961780

Caroline van Bers: +49 (0)1578 8182400

Email: training@tias-web.info

6 At JUFA Jülich Energiewelt Indeland (seminar facility)

Computers and Internet facilities

Participants who need to use internet will have Wireless LAN available only in the main seminar room. You are asked to bring your own laptop for this purpose and for use in the working sessions.

Electrical power and plug adapters

The power supply voltage in Germany is 240V/50HZ. The hotel does not provide any power converters or plug adapters, so it would be better if you bring these with you for your electrical equipment.

Laundry facilities

There are no laundry facilities within the JUFA Jülich Energiewelt Indeland. There is a laundromat in Jülich: SB-Waschsalon Prell (Address: Neusser Strasse 8) which is open Mo. - Sat. 06.00-22.00.

Banking in Jülich

The nearest ATM machines (cash machine) are in the town of Jülich. Local banks can cash travellers cheques up to approx 200 € per day. (The seminar centre does not exchange foreign cash/traveller

cheques). For convenience we recommend that cash be obtained upon arrival from one of the cash machines in the airport or in the train station.

Exchange Rates

You can refer to this website for daily exchange rates:

<http://www.oanda.com/lang/de/currency/converter/> <http://www.xe.com/currencyconverter/>

Rent a bike

It is possible to rent one of 30 bikes (7€ per day) at the JUFA Jülich Energieweld Indeland Hotel.

Meal arrangements:

All meals are provided by the Autumn School.

Daily Meal and Break Schedule (unless otherwise indicated in the schedule):

Breakfast 7:00 – 10:00

Lunch: 12:30 – 13:30

Breaks: 10:30 and 16:00 (unless otherwise indicated)

Dinner: 18:30 - 19:30 (meals are not served after 19.30)

Vegetarian, halal, gluten-free and dairy-free meals are available.

7 Things to do on the weekend

Brückenkopf-Park Jülich

The Brückenkopf-Park the recreation and family park, including elements of history, art, nature, games, and sports. JUFA guests have free admission. Bicycles can also be rented on site.

<http://www.brueckenkopf-park.de/>

Eifel National Park

A large nature reserve with a landscape characterized by forest, water, and wilderness. Covering 110 km², equivalent to 17,000 soccer fields, the motto is "Let nature be nature". <http://www.nationalpark-eifel.de/go/eifel/english.html>

Aachen, Cologne & Düsseldorf

All 3 cities are steeped in history and offer great attractions, world-famous cathedrals, art and cultural events, shopping opportunities, and the charm of the Rhine.

Aachen: http://www.aachen.de/EN/ts/Current_information/index.html

Köln: <http://www.cologne-tourism.com/>

Düsseldorf: <http://www.duesseldorf.de/de/eng/index.shtml>

Netherlands and Belgium

Maastricht is the nearest larger Dutch city (2.5 hrs by public transport)

Liege is the closest Belgian city (1.5- 2 hrs by train),

Brussels (2.5 - 3 hrs by train)

Weather information

Based on the current forecast, we expect temperatures of 10-15 degrees C. We advise warm clothing, umbrellas and good walking shoes for our excursion For regional weather forecasts see

http://www.wetter.com/wetter_aktuell/wettervorhersage/16_tagesvorhersage/?id=DE0005031

8 About the organisers

Ms. Katharina Butke: Research assistant with IUSF, University of Osnabrück, and with TIAS.

kbutke@tias-web.info

Research position and interests: I have Masters degree in Environmental Systems and Resource Management from the University of Osnabrück. The topic of my thesis was Social, economic and ecological impacts of large dam projects: A comparison of the Three Gorges Dam and the Lesotho Highlands Water Project. My interests include sustainability, water management and governance. I supports TIAS with research on topics including social impact assessment, the WEF Nexus and sustainable food systems, the preparation of funding proposals, the organization of events and other administrative activities.



Ms. Caroline van Bers: Researcher with IUSF, University of Osnabrück and Programme Manager of TIAS cvanbers@tias-web.info

Research position and interests: I am currently carrying out research within IUSF related to transformations in governance of food systems, the determinants of sustainable food consumption, and payment for ecosystem services. For TIAS I am responsible for planning and implementing a range of research, networking and capacity development activities that promote Integrated Assessment at the science-policy-practice interface on themes including sustainable development, food security, climate change adaptation and water management. I hold a Masters degree in Regional Planning and Resource Management.



Mrs. Joanne Vinke-de Kruijf: postdoc researcher with IUSF, University of Osnabrück, and Secretary of TIAS. jovinkedekru@uos.de



Information about Joanne's research position and interests is in the 'profiles of participants' section.

Prof. Claudia Pahl-Wostl: professor resources management at IUSF, University of Osnabrück, and President of TIAS. cpahlwos@uni-osnabrueck.de
Information about Claudia's research position and interests is in the information about sessions leaders on the Autumn School website.

