



Overcoming institutional and organizational barriers to sanitation: WHAT'S NEW?

6th & 7th of May 2021- Webinar

Sanitation remains a great challenge of our time, especially in fast-growing cities of Africa and Asia. According to the UN, “in 2015, 29 per cent of the global population lacked safely managed drinking water supplies, and 61 per cent were without safely managed sanitation services.” A lack of sanitation dramatically impairs public health, the environment, and development. Sanitation includes a chain of activities from private hygiene practices, to collection, treatment and disposal of wastes, either through a grid or non-grid system. The UNs have for the first time set a specific target on sanitation with the 6th sustainable development goal. According to goal 6.2, all countries should “by 2030, achieve access to adequate and equitable sanitation and hygiene for all and end open defecation, paying special attention to the needs of women and girls and those in vulnerable situations”. Sanitation is a particularly complex topic, since it involves a large number of actors, a diversity of technologies, expands in public and private spaces, and relies on individual / collective behaviours based on an intimate practice that is taboo and little flexible.

The 3rd scientific workshop held in 2016 organised by the AgroParisTech – SUEZ Chair concluded that barriers to sanitation are first of all institutional and organisational. This new concern regarding sanitation is shared by a number of actors involved, from either the research or operational realm. Institutions relate to both rules (legal rules, rights, norms, standards but also with a sociological stance, representations, customs, traditions, beliefs) and entities involved in the sector from macro (rules designers), meso (rules translators and regulation) and micro (operational) levels. Organisation relates to ways of providing the service.

The 4th scientific workshop will bring into light recent research and operational initiatives that may help to overcome these institutional and organisational barriers. How to build sanitation as a general interest service? How to overcome coordination issues due to multiplicity of technologies? How do researchers analyse institutional change? How do actors deal with institutional rules constraints? The event will provide another opportunity to develop links between managers, researchers and students engaged with sanitation issues.

https://waterforall.utilities.management/action_apt/overcoming-institutional-organizational-barriers-sanitation/

6th of May 2021

In the program: two colors to spot the language: **in French** in **English**

- 08:45 - 09:00 **OPENING – CONNECTIONS**
https://zoom.us/webinar/register/WN_DrfXjW67QnWmyO37kfogtQ
- 09:00 - 09:03 **WELCOME** by Secretary of Scientific Committee Chaire Water for All
Dr Marine COLON, AgroParisTech/UMR G-EAU/MRM
- 09:04 - 09:10 **WELCOME ADDRESS**
Prof. Gilles TRYSTRAM, General Director of AgroParisTech
- 09:10 - 09:15 **INTRODUCTION** by the head of the Scientific Committee
Thierry RIEU, UMR G-EAU
- 09:15 - 09:45 **INAUGURAL ADDRESS**
New perspectives on sustainable sanitation. Insights from socio-technical innovation and transition studies
Prof. Bernhard TRUFFER, EAWAG
- 09:45 – 09:55 *Discussion by Prof. Claude MENARD, Sorbonne Centre for Economics, University of Paris*
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- 09:55-10:05 **BREAK / Film on Sanitation Challenges by AgroParisTech**
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- 10:05 – 11:10 **SESSION 1: An institutional perspective on sanitation**
This session intends to analyse institutional and organisational barriers to sanitation. Two aspects will be particularly tackled: the issue of building a general interest service of sanitation, and the issue of coordinating sanitation service which is based on a diversity of technologies and modes of provision.
- 10:05 - 10:20 Building sanitation as a public interest service: reflexion based on European experience - Dr Pierre BAUBY, Jean Jaurès Foundation
- 10:20 - 10:35 Complementarity between various forms of sanitation: a casestudy from Dakar - Christophe LE JALLÉ, PS-EAU
- 10:35 - 11:10 Discussion by Dr Laetitia GUÉRIN, Inrae/UMR G-EAU/MRM
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- 11:10 - 11:20 **BREAK / Film on sanitation operators by AgroParisTech**
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- 11:20 - 11:35 Changing Sanitation in Hanoi: Governance, Organisation, Technology – Dr Eng. Sophie SCHRAMM, Technische Universität Dortmund, Germany
- 11:35 - 11:50 Institutional evolution or transformation? Legitimizing the non-sewered sanitary city in South Asia – Dr Shubhagato DASGUPTA, CPI, India
- 11:50 - 12:20 Discussion by Dr Pierre-Louis MAYAUX, CIRAD/UMR G-EAU
- 12:20 - 12:35 **CLOSING SPEECH** by Dr Dennis MWANZA, RTI
- 12:35 **CLOSING SESSION** by Dr Marine COLON, AgroParisTech / UMR G-EAU

6th of May 2021

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A SESSION BY YOUNG SCHOLARS AND PREVIOUS TRAINEES FROM THE INTERNATIONAL EXECUTIVE MASTER WATER FOR ALL - AGROPARISTECH

Young scholars' research has been supported by Chaire Water for All. Managers who present got an International Executive Master from AgroParisTech 'Water for all' in 2020.

13:30 - 13:45	OPENING CONNECTIONS https://zoom.us/webinar/register/WN_DrfXjW67QnWmyO37kfogtQ
13:45 - 13:50	WELCOME ADDRESS Dr Sarah BOTTON, AFD, France
13:50 - 14:05	Comparative analysis of wastewater reuse policies in Morocco and Tunisia Amal ENNABIH, Sciences Po Lyon, CEREG, UMR G-EAU, France
14:05 - 14:25	<i>Discussion by Dr Sarah Botton, AFD</i>
14:25 - 14:40	Institutional change in the field of sanitation through social sciences Dr Héloïse VALETTE, University Jean Jaurès, Toulouse, France Dr Marine COLON, AgroParisTech, UMR G-EAU, Montpellier Research in Management
14:40 - 15:00	<i>Discussion by Dr Sarah BOTTON, AFD</i>
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15:00-15:15	BREAK / Change of link for participants of the French session (see next page)
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Session Sanitation Managers: How to improve sanitation? A presentation of transformation projects by trainees of the IEM Water for all at AgroParisTech funded by the Chaire. Two parallel sessions: English speaking (live translation into French) / French speaking (no translation)	
ENGLISH SESSION (WITH TRANSLATION INTO FRENCH) https://zoom.us/webinar/register/WN_DrfXjW67QnWmyO37kfogtQ	
Facilitator: Dr Marine COLON, AgroParisTech/UMR G-EAU/MRM	
15:15 - 15:40	Improving sanitation service in Siem REAP and organisation of players - Dany DOURNG, Ministry of Public Works and Transportation, Cambodia
15:40 - 16:05	Setting up the first wastewater treatment plants of Lahore (Pakistan) – Zohaib BUTT, Chief Engineer, Water and Sanitation Agency, Lahore, Pakistan
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16:05 - 16:15	BREAK / Film on AFD and research in the South
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16:15 - 16:40	Management of wastewater and stormwater in a context of institutional collaboration restructured – Samira ANURADHA, National Water and Drainage Board, Colombo, Sri Lanka
16:40 - 17:05	Main sanitation issues in Alexandria from an institutional point of view – Mahmoud MEHANY, Holding Company for Water and Wastewater, Egypt

6th of May 2021

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FRENCH SESSION (WITHOUT TRANSLATION INTO ENGLISH)

https://zoom.us/webinar/register/WN_xeuwxsPyTs6oA6wtK0Y2_Q

Facilitator: Dr Pierre-Louis MAYAUX, CIRAD / UMR G-EAU

- 15:15 - 15:40 Facing multiple operational and institutional challenges while developing on site sanitation in Dakar - [Blaise FAYE, National Sanitation Office, Senegal](#)
- 15:40 - 16:05 Towards the construction of an institutional framework for off grid sanitation in Nouakchott - [Mohamed Mansour DIA, Ministry of Hydraulics and Sanitation – Sanitation Department, Mauritania](#)

16:05 - 16:15 BREAK / Film on AFD and research in the South

- 16:15 - 16:40 Improving sanitation in Abidjan: protecting urban and coastal watersheds - [Dominique OGA, Bureau National d'Etudes Techniques et de Développement, Ivory Coast](#)
- 16:40 - 17:05 The creation of the Office Burundais de l'Habitat de la construction et de l'Assainissement (OBUHA) for protecting the Lake Tanganyika in Bujumbura – [François NAHIMANA, OBUHA, Burundi](#)

17:05 **CLOSING SESSION**

7th of May 2021

In the program: two colors to spot the language: **in French in English**

- 08:45 - 09:00 **OPENING – CONNECTIONS**
https://zoom.us/webinar/register/WN_FB1rqJx_Qly4bZG4ujGDMg
- 09:00 - 09:05 **WELCOME** by Secretary of Scientific Committee Chaire Water for All
Dr Marine COLON, AgroParisTech/UMR G-EAU/MRM
- 09:05 – 10:05 **SESSION 2: Institutional change: how to analyse it? How to make it happen?**
This session is devoted to discussing innovative research works on institutional change, and operational initiatives to overcome institutional barriers.
- 09:05 - 09:20 Navigating institutional complexity in sanitation transitions: juxtaposing insights from developed and emerging economies - Dr Christian BINZ and Dr Miriam HACKER, EAWAG, Switzerland
- 09:20 - 09:35 Institutional change for the urban poor, how can research help? Dr Sam DRABBLE, WSUP and Urban Research Ltd, England
- 09:35 - 10:05 Discussion by Prof. Claude MENARD, Sorbonne Centre for Economics, University of Paris
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- 10:05 – 10:15 **BREAK / Film on sanitation operators by AgroParisTech**
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- 10:15 - 10:30 Can an NGO help moving institutional barriers? From working with a group of small private operators to building a social franchise by GRET - Mrs Marion SANTI – GRET, France and Ms Milena PONCIN – Confluence, Laos
- 10:30 - 10:45 An innovative approach: the example of the European joint co financing to ONEE (Morocco) in order to implement the national sanitation programme - Mr Adil HASNAOUI, ONEE, Morocco and Dr Olivier CRESPI REGHIZZI, AFD
- 10:45 - 11:15 Discussion by Dr Marie-Hélène ZERAH, IRD/UMR CESSMA/Université de Paris
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- 11:15 - 11:25 **BREAK / Film on sanitation challenges by AgroParisTech**
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- CONCLUSION** facilitated by Thierry Rieu, UMR G-EAU, Head of Scientific Committee
- 11:25 - 11:55 Feedback from Prof. Laurent BIBARD, ESSEC
- 11:55 - 12:10 Research, innovation and partnerships to ensure access to clean water and sanitation for all - Dr Xavier LITRICO, SUEZ
- 12:10 - 12:25 CLOSING SPEECH by Dr Gilles KLEITZ, Agence Française de Développement (AFD)

Who are the speakers at the workshop?

Polpitiya Acharige Samira ANURADHA is a Senior Engineer / Area Engineer in Colombo City West / Fort. He is employed by National Water Supply and Drainage Board (NWSDB) since 2014. His present duties are basically focused on reducing of non-revenue water and its sustainability by developing, standard operation and management procedure for District Metering Arrangement (DMA) management, functioning of NRW laboratory, continuous knowledge and system development and improvement of commercial functions to ensure total consumer satisfaction by coordinating with the on-going Greater Colombo Water and Wastewater Management Improvement Investment Program (GCWWMIP) project in Colombo City which is implemented under the funding assistance of Asian Development Bank(ADB).

Pierre BAUBY is a researcher in political sciences, expert in public action and public services in France and Europe, director of the Observatory of Public Action of the Jean Jaurès Foundation; expert in the European Economic and Social Committee. He authored several publications and in particular: *The impact of liberalisation on public services*, European Parliament, Bruxelles, 2019; *Co construction of the future of Europe*, Note by the Jean Jaures Foundation, 2018; *Public service, Public services*, at the Documentation Française, Paris, 2nd edition, 2016; *Europeanisation of public services*, Presse Science Po, Paris, 2011.

Laurent BIBARD is professor in the Department Management of ESSEC, where he has headed the MBA platform from 2005 to 2010. He teaches political philosophy, sociology and economics. He is now in charge of the *Management and Philosophy* programme and he works especially on vigilance dynamics in crisis situations. He is also the Academic Director for ESSEC of the Executive Master Opt/ Water for All deployed in collaboration with AgroParisTech. After his book published in collaboration with Edgar Morin, entitled *Complexité et organisations, Faire face aux défis de demain*, his latest book presents a *Phénoménologie des sexualités, La modernité et la question du sens* (January 2021).

Christian BINZ is a tenure-track group leader at the Department of Environmental Social Sciences at Eawag, and an Associate Post-Doctoral Researcher at CIRCLE, Lund University, Sweden. His main research interest centers on the spatial and institutional complexity of sustainability transitions. By combining recent insights from transition studies, economic geography and institutional sociology, he aims to explore how multi-scalar institutional arrangements hinder or support radical innovation in clean-tech industries and sustainability transitions in infrastructure sectors like water or energy.

Zohaib BUTT is a civil engineer. He has been working in the Water and Sanitation Agency of Lahore since 2010. He has contributed to the design and implementation of many projects. He is graduated from AgroParisTech's "Water for All" SPECIALIZED MASTER in 2020 (Gérard Payen class).

Olivier CRESPI REGHIZZI is Task Team Leader at the Water and Sanitation Division of the Agence Française de Développement in Paris. He is in particular in charge of AFD's project portfolio in the water sector in Morocco. Olivier participated also to the launching of the Water Finance Coalition. In the past Olivier worked for AFD in Senegal and Mexico and for Eau de Paris.

Olivier holds both a MSc in Civil Engineering from Politecnico di Milano and Centrale Nantes and a PhD in Economics from Bocconi University and AgroParisTech. His Phd thesis "A long run perspective on urban water and sanitation infrastructure financing: essays in public finance" is available online <https://www.publicfinanceforwash.org/resources/long-run-perspective-urban-water-and-sanitation-infrastructure-financing-essays-public> "

Shubhagato DASGUPTA is a senior fellow at CPR and director of the Scaling City Institutions for India (Sci-Fi) initiative. His current research focuses on drinking water and sanitation in India and the world, with particular reference to flagship government programs and service delivery challenges in smaller cities. Other major areas of work include urban infrastructure and service delivery financing, housing and slum rehabilitation, urban sector public finance, and urban environmental infrastructure planning, management, and investment, alternatives.

Before coming to CPR, Shubhagato led the Support to National Policies for Urban Poverty Reduction project, a collaboration between the UK's Department for International Development (DFID) and India's Ministry of Housing and Urban Poverty Alleviation to develop pro-poor urban policies in 20 cities across 15 states. Prior to this, he has also worked on issues of urban development with a wide range of other public, private, multilateral, and non governmental organisations, including as Senior Urban Specialist at the World Bank, Assistant Vice President at the Infrastructure Development Finance Company (IDFC), the Housing and Urban Development Corporation (HUDCO) and The Action Research Unit. In addition Shubhagato has also been worked on private sector participation projects in urban and drinking water programs in eastern and southern Africa for the International Finance Corporation and the Acumen Fund.

Shubhagato Dasgupta was trained as an architect at the Centre for Environmental Planning and Technology in Ahmedabad and holds an MSc in housing and development planning from the Development Planning Unit of the University College London. He is also currently undertaking a PhD at the Centre for Urban Studies at the University of Amsterdam.

Mohamed Mansour DIA has a Master's degree in Environment with a major in Water Treatment and a professional Master's degree in Water Treatment Process Engineering. In 2014, he joined the Ministry of Water and Sanitation and is directly attached to the Sanitation Directorate as a sanitation study engineer. Since 2015, he has been in charge of monitoring and evaluation and head of the water treatment division in the same department.

Dany DOURNG has been working as an engineer for 8 years, specializing in water and sanitation. Currently, she is working as director of General Affairs and Information Department / General Department of Sewerage and Wastewater Management / Ministry of Public Works and Transport, in Cambodia. Her duties in terms of wastewater management are making policy and strategy, making national plan, marking urban master plan, making regulation framework, support sub-nation level in capacity building, customer operation, organization management and institutional arrangement.

Before working as a public server, she has been working with NGO name WaterAid as program officer of urban sanitation, she has worked for project planning for faecal sludge management, faecal contamination, project planning and education program.

Sam DRABBLE heads organisation-wide evaluation, research and learning for Water & Sanitation for the Urban Poor (WSUP), a not-for-profit company that helps transform cities to benefit the millions who lack access to water and sanitation. Since joining WSUP in 2013, Sam has managed a wide range of research projects; managed and delivered project and programme evaluations across WSUP's six focus countries; and authored or edited over 50 publications on diverse aspects of urban WASH. He previously worked as analyst specialising in programme evaluation at RAND Europe, an independent not-for-profit research institute whose mission is to help improve policy and decision-making through research and analysis. This built on experience with the Institute for Government (UK) and the European Economic and Social Committee.

Amal ENNABIH is a PhD student in Political Science at Sciences Po Lyon. As part of her thesis, she analyses the process of recomposition of power relations between State and farmers. She does so by studying the making and implementation of irrigation from treated wastewater policy in Morocco and Tunisia.

Blaise FAYE, born in 1983 in Senegal, Electromechanical Engineer (Polytechnic School of Thiès); Master in Project Management (ISM of Thiès); International Executive Master "Water for All" – OpT " General Management of Water and Sanitation Urban Services ".

He is currently Head of Technical Department at ONAS; President of the Board of Directors of the IPM of ONAS and, Representative of the Technical Services of ONAS for Public Tenders.

Gilles KLEITZ has been working from 1988 for more than 10 years in Africa on natural resources management, agriculture and biodiversity conservation, as researcher and conservation projects coordinator, for French Ministry of Foreign Affairs, CIRAD and FFEM. Back to France in 2002, he has set up at the Ministry of Agriculture agro-environmental measures for Common Agricultural Policy ; then he has coordinated at the Ministry of the Environment the National Strategy for Biodiversity. He has been a rapporteur at the Environment Grenelle, then technical advisor at the French Development Agency for 4 years and developed several actions and partnerships in Latin America, Africa and Asia as well as French overseas. He has then joined the cabinet of the Minister for the Environment Pascal CANFIN (within Ministry of Foreign Affairs) in April 2013. For the past twenty years he has taken part in negotiations in conferences of Parties for the Convention for Biological Diversity and served as expert for the Secretariat of this Convention. Between 2014 and 2018 he has been director of the Amazonian Parc in French Guyana, and has been since 2018 the head of Agriculture, Water and Biodiversity departments at AFD.

He is an agronomist, and got a PhD on implementation of conservation policies for biodiversity in Africa. He was made "chevalier de la legion d'honneur" (2012).

Christophe LE JALLÉ is deputy Director of Program for Water Solidarity (France) in charge of knowledge and contribution to international debates. Ps-Eau is a network of actors committed to developing access to water and sanitation in developing countries in line with ODD6.

pS-Eau has been backing up local stakeholders, supporting discussions and organising concertation between stakeholders of decentralised cooperation and NGOs for more than 35 years. pS-Eau is in France and abroad, especially in countries where French Aid is concentrated. It produces knowledge, supports local initiatives and promotes solidarity for water and sanitation. Its activities are handled by a team with multiple skills. They aim at increasing the number of cooperation actions, as well as their quality.

Xavier LITRICO is a graduate from the Ecole Polytechnique, and the Ecole Nationale du Génie Rural, des Eaux et des Forêts. He holds a Ph.D. in Water Sciences and an "Habilitation à Diriger des Recherches" in Control Engineering. He spent the first part of his career as a researcher in the public sector (Irstea, the French Public Research Institute on Environmental Engineering, Inria and UC Berkeley). He has been with SUEZ since 2011, first as the director of LyRE, the R&D center of SUEZ in Bordeaux University dedicated to water management research, where he set up several high visibility research projects in collaboration with academic partners on water related issues at the national and international level. In 2017, Dr. Litrico became Scientific Director of SUEZ Group, in charge of intellectual property, standardization and scientific partnerships across all activities. Since 2019, he is Chief Research & Science Officer, in charge of the R&D centers in addition to his previous role of Scientific Director.

He is the author of more than 100 scientific publications, with more than 50 in peer-reviewed journals. He is the co-author of 2 books and several book chapters.

Mahmoud MEHANY holds a Ph. D. degree in Chemistry (water treatment). He is working for the Holding Company for water and wastewater since May 2006 as the WSP department manager. His position as WSP- department manager allow him to collaborate and coordinate with many stockholders in the field of water treatment and quality in Egypt like Ministry of Water Resources & Irrigation in Egypt, Ministry of Health, and Ministry of State for Environmental Affairs in Egypt. He also has collaborated with international water institute and consultants as KWR "Watercycle Research Institute, Netherlands" and

VNG-International “International Cooperation Agency of the Association of Netherlands Municipalities” through the WSP project activities.

Dennis MWANZA, Ph.D., is a senior water, sanitation, and hygiene (WASH) advisor within RTI’s International Development Group and an expert in the global water and sanitation sector. His responsibilities include supporting the implementation of on going project activities on water and sanitation, development of new work and research on sanitation and urban water supply management. He has over 25 years of experience in the water and sanitation sector from policy and strategic guidance to implementation, management and mobilizing necessary resources for the execution of different programs within the water and sanitation sector. His two year stay at the Bill and Melinda Gates Foundation exposed him to the challenges and solutions for urban sanitation especially in the developing world. Dr. Mwanza can provide insight on obstacles local governments face to urban sanitation and institutional, policy and regulatory reforms needed to improve the global water and sanitation sector.

François NAHIMANA holds a degree in Agricultural Engineering from the University of Burundi obtained in 2011. Since 2012, he has been working in the field of sanitation in the Municipal Technical Services of the City of Bujumbura (SETEMU) now OBUHA, which is in charge of sanitation and storm water drainage in the City. Since the beginning of 2018, he has been Head of the Department for the Operation of the Wastewater Network and the Wastewater Treatment Plant; this has given him a great responsibility in the protection of Lake Tanganyika against pollution due to wastewater from the City of Bujumbura.

Dominique OGA is an executive manager, project manager in charge of studies and control of sanitation works at the Bureau National d’Etudes Techniques et de Développement de Côte d’Ivoire where he started in 2014. He has more than 13 years experience as an engineer in urban hydraulics, sewerage and solid waste management. He has started his carrier with NGO SOLIDARITES in 2007 as project engineer in charge of wells and boreholes rehabilitation. He graduated from AgroParisTech in 2020 for the International Executive Master "Water for All".

Milena PONCIN has been trained in international development and water management at AgroParisTech (Executive Master in Water Management, graduated in 2019). She has been working for the past 16 months for the NGO Confluence as project manager for water, sanitation and hygiene projects in rural mountainous villages in Laos. She has previously worked for the NGO Gret at Madagascar on knowledge building from sanimarkets projets.

Marion SANTI is a water and environment engineer specialised in developing issues from Cranfield University. She has been working for the past 7 years at Gret NGO. She is currently in charge of sanitation projects in Burkina Faso, Madagascar and Senegal. She has developed an expertise on sanitation marketing. She contributed to the drafting of the Sanitation Memento by Gret published in 2018.

Sophie SCHRAMM holds the chair of International Planning Studies at the faculty of Spatial Planning, TU Dortmund, Germany. She received a phd for her thesis “City in Flow: sanitation of Hanoi in light of social and spatial transformations (in German)” from TU Darmstadt. She has worked as Junior Research Group leader at Kassel University and as Assistant Professor at Utrecht University. She studies the manifold dynamics of city-making in the global South with a focus on heterogeneous infrastructures, planning and housing.

Bernhard TRUFFER is heading the environmental social science research department at the Swiss Federal Institute of aquatic science and technology (Eawag) and is a professor at the Copernicus Institute of Sustainable Development at Utrecht University. His research has been on sustainability transitions and green industry dynamics in major infrastructure sectors such as urban water management, electricity or transport in Europe, the US, Australia, China, South Africa and Kenya.

Heloïse VALETTE is a lecturer in economy and planning at the University of Toulouse 2 Jean Jaurès, in the Laboratory interdisciplinary Solidarity, Societies, Territories (LISST), team rural dynamics. She work on governance of water in the Global South.

Scientific Organisation Committee:

Pierre BAUBY (Fondation Jean Jaurès), Dr Sarah BOTTON (AFD), Dr Marine COLON (AgroParisTech/UMR G-EAU / MRM), Jean-Antoine FABY (AgroParisTech), Dr Lætitia GUERIN (Inrae/UMR G-EAU/MRM), Dr Xavier LITRICO (SUEZ), Dr Pierre-Louis MAYAUX (CIRAD/UMR G-EAU), Prof Claude MENARD (Centre d’Economie de la Sorbonne), Thierry RIEU (AgroParisTech/UMR G-EAU), Dr Héloïse VALETTE (Université Jean Jaurès, Toulouse), Dr Marie-Hélène ZERAH (IRD/UMR CESSMA/Université de Paris)

Organizational Support:

Francine AUDOUY (AgroParisTech/UMR G-EAU), Sandra CESCHIN (AgroParisTech), Delphine CONSTANT-PERIER (AFD), Cécile MATHEY (AgroParisTech), Sylvie ORY (AFD), Maria MAGAÑA (AgroParisTech).

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