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WATER FOR LIFE  
2005-2015

UN WATER

Organized by the UN-Water Decade Programme  
on Capacity Development

# Capacity Development Experts Meeting

**24-25 June 2013**

UN-Campus, Bonn, Germany



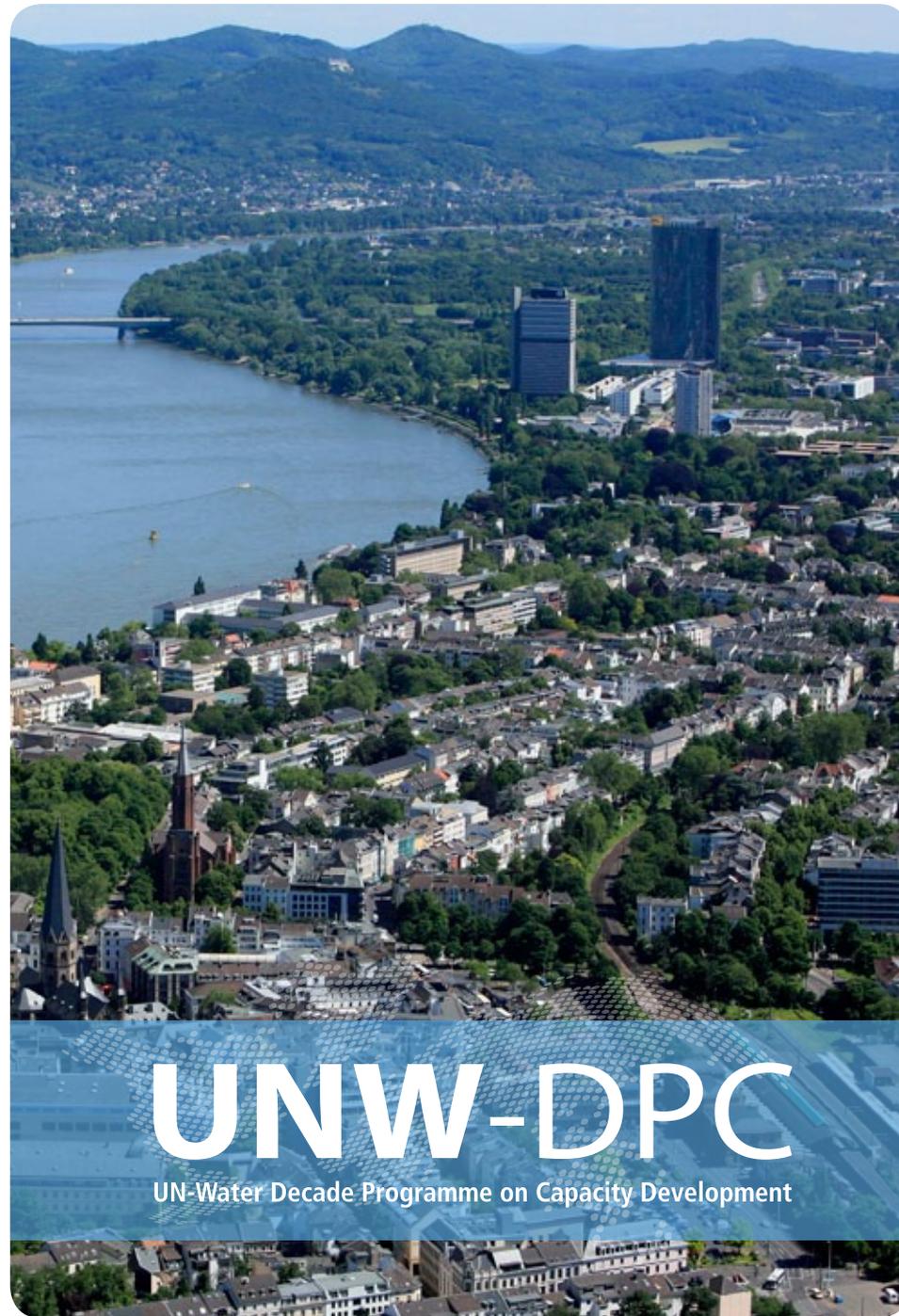


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## Welcome

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Dear Colleagues,

I would like to personally welcome you and thank you for taking the time to come to this expert meeting today.

Our office was founded in August 2007 with the aim to support the capacity development activities of the UN-Water inter-agency mechanism. We were formed under the auspices of the Decade for Action 'Water for Life' 2005-2015, which was proclaimed in order to coincide with and support the achievement of the water and sanitation-related Millennium Development Goals.

Now entering its third Work Plan, which will last from this summer until the end of the Decade, UNW-DPC is embarking on a period of looking ahead to its future capacity development activities and preparing for the period from now until the end of the MDGs and beyond. We very much welcome your expertise, knowledge and input at this moment, as we strive to improve the effectiveness of capacity development in the water sector, particularly in support to UN-Water.

We hope you'll join us in looking forward to a productive meeting and to discussing with you over the coming two days.

**Reza Ardakanian**

*Founding Director/Officer-in-Charge, UNW-DPC*

## Objectives of the Experts Meeting

Established in August 2007, our programme, the UN-Water Decade Programme on Capacity Development (UNW-DPC), is one of three specific programmes of UN-Water. Our aim is to enhance the coherence and integrated effectiveness of UN-Water by supporting UN-Water members and partners on water-related capacity development activities and in their effort to support member countries to reach internationally agreed water-related goals and targets. For more information on our programme, please visit [www.unwater.unu.edu](http://www.unwater.unu.edu). One part of our three-year Work Programmes, which are approved by UN-Water, provides the mandate for our office to assist UN-Water in its capacity development activities, such as by mapping the capacity development activities of its members and partners, identifying capacity needs and exploring innovative capacity development methodologies.

The extensive baseline research we conducted was in 2008, soon after UNW-DPC began its work. The key findings of this first activity emphasized the need to:

- focus on institutional and organizational capacity development needs more than individual capacity development;
- evaluate and analyze best practices in capacity development activities;
- make IWRM, water supply and sanitation, climate change adaptation and financing and equity major thematic priority areas for capacity development activities; and
- use an integrated multi-stakeholder approach to water resources management.

More information on the results of the first activity is accessible at [www.ais.unwater.org/cd-water](http://www.ais.unwater.org/cd-water).

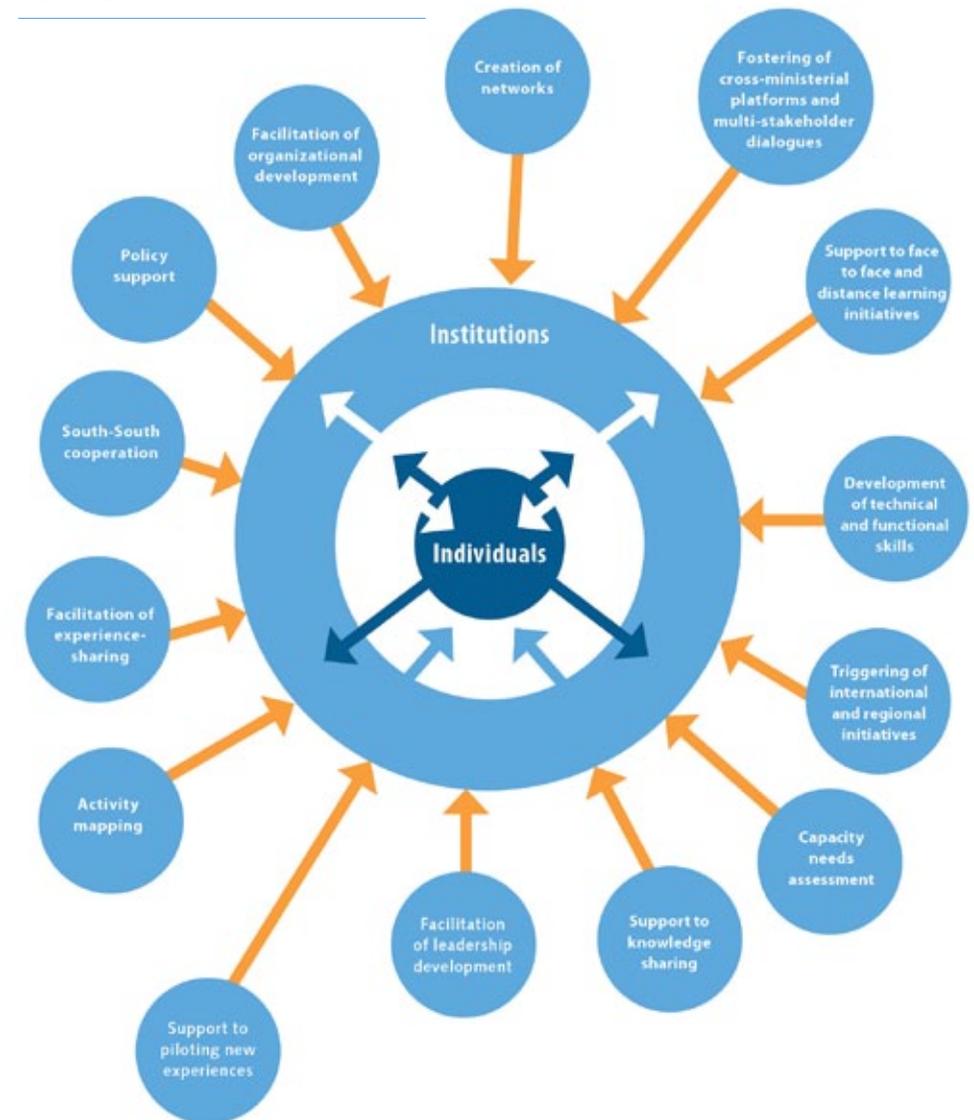
Following these outcomes, UNW-DPC has in the last five years steadily increased its focus on the following activities:

- mapping of capacity development activities and needs;
- managing and disseminating knowledge about capacity development activities; and
- supporting UN-Water members and partners in seeking synergies and creating opportunities for cooperation in each others' fields of activities and specialization.

Now, nearly five years later, our office has evolved and we would like to build upon the experience and engage with key experts, with the following "umbrella" questions for the meeting:

- **What are the major challenges and gaps for assessing capacity development needs?**
- **What should be done in order to improve the measurable indicators of capacity development for a better evaluation of capacity development impacts?**
- **How do we assess the current capacity development methodologies and what is the trend for the future - do we have the right tools?**

## CAPACITY DEVELOPMENT MODALITIES PRACTISED BY UNW-DPC



### Structure of each session

0-20 min	Presentation
20-30 min	Questions and clarification about the presentation
30-40 min	Finalizing the session questions and contributions to the discussion
40-75 min	Open discussion
75-90 min	Summary and connection to the "umbrella" questions

## Agenda\*

Day 1	
8:30-8:45	Registration/Welcome Coffee
8:45-9:00	Workshop Overview: Reza Ardakanian
9:00-10:30	<p><b>1. Capacity Development (CD) Activities at the UNW-DPC (2007-present): A Review</b> (Presentation: Reza Ardakanian; Moderator: Daniel Tsegai)</p> <p>Key questions for discussion (examples):</p> <ul style="list-style-type: none"> <li>In the context of UN-Water, what are the major methodological challenges for capacity development for the future? What are the proposed solutions?</li> <li>Given the goals of UNW-DPC as presented, what other tools do you suggest to achieve more effective results on Capacity Development?</li> <li>What are the major relevant aspects (topics/methodologies) of capacity development that need to be included for the future activities of UNW-DPC?</li> </ul>
10:30-10:45	Coffee Break
10:45-12:15	<p><b>2. Key challenges identified for Capacity Development under UN-Water: What to do?</b> (Presentation: Richard Cox; Moderator: Reza Ardakanian)</p> <p>Major challenges identified: (funding, lack of political will, lack of synergy and poor coordination efforts, wrong focus of themes/target groups, duplication of efforts)</p> <p>Key questions for discussion (Examples):</p> <ul style="list-style-type: none"> <li>How can we ensure sustainable financing mechanisms for water and water-related issues?</li> <li>What are the steps that should be taken to improve the synergy within the UN-Water members and partners? How can we promote synergies among water and education institutions?</li> <li>How can we raise governments' willingness to capacity development in water?</li> <li>How can we improve targeting of right trainees? Who should be prioritized? Why?</li> <li>What should be the themes of priority? Under which context?</li> <li>What should be done to avoid duplication of efforts?</li> </ul>
12:15-13:45	Lunch
13:45- 15:15	<p><b>3. Re-visiting the definition of Capacity Development and concept</b> (Presentation: Steffen Niemann; Moderator: Jack Byrne)</p> <p>Key questions for discussion (examples):</p> <ul style="list-style-type: none"> <li>Is there a need to re-define CD? What are/should be the basic components of Capacity Development?</li> <li>What are the existing current CD methodologies? Please discuss them and elaborate on the context and purpose of each. What should be changed, how and why?</li> <li>How can we improve the quality of water education? (Especially at the institutional level?)</li> </ul>

15.15-15:30	Coffee Break
15:30-17.00	<p><b>4. Capacity Development at different levels, target groups and regional scales</b> (Presentation: Joerg Szarzynski; Moderator: Charles Hopkins)</p> <p>Key questions for discussion (examples):</p> <p>How should capacity development strategies be designed according to</p> <ul style="list-style-type: none"> <li>The various levels: individual, institutional, environmental?</li> <li>Target groups: policy makers, water professionals, water users (farmers, public, community residents), civil society (NGO's/local organizations)?</li> <li>Regional scales: local, national, regional and international?</li> </ul>
Day 2	
8:45-10:15	<p><b>5. The way forward (Part I) – Challenges for reaching MDGs and beyond</b> (Presentation: Kirsten de Vette; Moderator: Uta Wehn de Montalvo)</p> <p>Key questions for discussion (examples):</p> <ul style="list-style-type: none"> <li>How can we reinforce capacity needs assessment?</li> <li>What are the methods to improve the effects/impacts of capacity development activities?</li> <li>How can we ensure sustainability of capacity development effects?</li> <li>How can capacity development improve hydrological data bases?</li> <li>How can we strengthen the growing role of ICT in capacity development?</li> </ul>
10.15-10:30	Coffee Break
10:30-12:00	<p><b>6. The way forward (Part II) – Capacity Development for Post 2015</b> (Presentation: Uta Wehn de Montalvo; Moderator: Lis Mullin Bernhardt)</p> <p>Key questions for discussion (examples):</p> <ul style="list-style-type: none"> <li>What are the defined challenges for the Post 2015 on water and capacity development?</li> <li>How can we, through capacity development, <ul style="list-style-type: none"> <li>Advance women and their role on water management</li> <li>Facilitate advocacy and lobbying for national capacities (Incorporating SDGs into national programme)</li> <li>Enhance the role of ICT in water-related SDGs and capacity development</li> <li>Advance 'business case' for capacity development?</li> </ul> </li> </ul>
12:00-13.00	Lunch
13.00-14:00	<b>7. Wrap-up and Conclusions</b>

## Biographical Notes



### **Reza Ardakanian, Founding Director of the UN-Water Decade Programme on Capacity Development, UNW-DPC**

Prof. Dr. Reza Ardakanian of Iran has served as Director of the UN-Water Decade Programme on Capacity Development hosted by UNU since 2007 and as Vice-Rector of UNU in Europe, ad interim (2009–2011). In October 2012, he was appointed as the Founding Director of UNU-FLORES. He sat on the Boards of various international programmes/organizations such as UNESCO-IHP, UNESCO-IHE, the International Hydropower Association and UNU-EHS. Prof. Dr. Ardakanian holds a PhD in Water Resources Management from McMaster University (Canada) and is a faculty member of Sharif University of Technology in Tehran, Iran. He formerly held a number of national offices in Iran, including Deputy Minister for Water Affairs (2001–2005), Senior Vice-Minister (1998–2001) and Deputy Minister for Planning & Economic Affairs (1989–1991) with the Ministry of Energy, and Deputy Minister for Urban Development and Municipalities with the Ministry of Interior (1987–1989).



### **Jack Byrne, Specialty Group Leader, IUCN**

Jack Byrne is a biologist. He earned a BS in biology and a Masters in environmental law and policy, became an environmental and social entrepreneur, then an educator. He currently works as Director of Sustainability Integration at Middlebury College in Vermont to make sustainability leadership more visible, effective and common in the culture of the college. He coordinates Middlebury's effort to achieve carbon neutrality by 2016 and other sustainability initiatives. Jack is a co-founder of the Foundation for Our Future and served as its vice-president for 8 years. While there he worked with the IUCN Water and Nature Initiative to develop an e-learning course for water managers on environmental flows. He co-founded and directed the international River Watch Network for 11 years and was director of the Vermont Association of Conservation Districts for 5 years. He currently serves as Green Campus Leader for the International Union for the Conservation of Nature's Commission on Education and Communication.



### **Richard Byron-Cox, Capacity Building Officer, UNCCD**

The Marketplace located on the Secretariat's website at: <http://www.unccd.int/marketplace>, is the brainchild of UNCCD's Capacity Building Officer, Dr. Richard Byron-Cox. He is a lawyer specializing in public international law in which he holds his Ph.D. He was educated in the Caribbean, Europe and Latin America and is trained in various other fields including international relations, diplomacy and foreign policy. He is multilingual and is presently an international civil servant with the United Nations Organization. Previous to his pursuit of university training, he worked as a primary school teacher and taught in adult education programmes. On returning home from university, Dr. Byron-Cox served in the ministries of legal affairs and foreign affairs in St. Vincent and the Grenadines before moving on to take up his first international appointment. He has been an international civil servant for the last 10 years and presently works in the area of sustainable development.



### **Christophe Cudennec, Prof. of Hydrology at Agrocampus Ouest, Secretary General of IAHS**

Christophe Cudennec is currently Professor of hydrology (& water, land and risk management) at Agrocampus Ouest (French University) and Dean in charge of coordinating e-learning strategies, facilities and institutional issues. He is responsible for a master degree curriculum on agriculture-soil-water-ecohydrology. Christophe Cudennec is also the Secretary General of IAHS – the International Association of Hydrological Sciences (part of the International Union for Geodesy and Geophysics and of the International Council for Science); as such focusing on coordination of the scientific programme (10 commissions, working groups, conferences, publications, awards, grants), partnerships (national and international scientific bodies, United Nations agencies), communication.



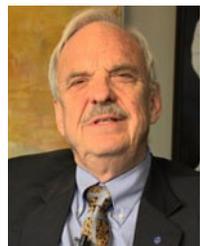
**Dipl.-Ing. (FH) Mario Gelhard, Msc. , Research Associate at Cologne University of Applied Sciences**

Mario Gelhard is a research fellow at the Institute for Technology and Resources Management in the Tropics and Subtropics (ITT) at Cologne University of Applied Sciences, Germany. He has, since 2011, been responsible for “Capacity Development” issues at the ITT. He is a civil engineer who did his masters in 2010 at the ITT focusing on the topic of integrated water resources management (IWRM). In his work at the institute Mr. Gelhard is associated to the CNRD Centre for Natural Resources and Development) Network an international network of universities cooperating in the fields of IWRM, climate change impacts and adaptations and eco system based disaster risk reduction. In that he coordinates the training component of the network. In parallel Mr. Gelhard is working as a freelance consultant with focus on development cooperation.



**Jens Hilbig, Overall Project Management, IEEM**

Jens Hilbig is a researcher and project manager at IEEM- Institute of Environmental Engineering and Management at the Witten/Herdecke University, Germany. He currently manages the BMBF funded joint research project IWRM South Africa with a strong research focus on economical measures to secure sustainability by creating structures, capacities and incentives for sustainable water management. Jens holds a MA degree in economic policy and economic history from University of Münster, Germany focusing on industrial development and monetary policy.



**Charles Hopkins, Chair in Reorienting Teacher Education towards Sustainability, UNESCO**

Charles Hopkins is currently the United Nations Education, Scientific and Cultural Organisation (UNESCO) Chair at York University in Toronto, Canada where as well as lecturing in the graduate programme, he coordinates an international network of teacher education institutions in over 70 countries collaboratively working to reorient teacher education to address sustainable development. Hopkins is a senior advisor regarding education for sustainable development (ESD) to UNESCO, the UN University, The National Board of Education of Finland, and The Beijing Academy of Educational Sciences. He is also an advisor to both UNESCO and the Government of Japan regarding the UNESCO World Conference on ESD

to be held in Aichi Nagoya in 2014. His current research explores the relationship between ESD and traditional perceptions of quality education in high-scoring PISA countries. Within Canada, Hopkins is the Co-Director of the Sustainability and Education Academy (SEdA) which is a collaborative professional development programme designed to assist senior education leaders, ministry of education officials and teacher education institutions in reorienting entire school systems to address sustainability. A long time leader in the fields of education, and ESD, Hopkins has lectured and presented papers in over 80 countries. He is an author and has appeared in television documentaries and PBS in the USA dealing with education, the environment, and sustainable development. He has been awarded several honorary doctorates and professorships.



**Festus Luboyera, Team Leader, UNFCCC Secretariat**

After completing a B.Sc. (Hons) in Physics from Makerere University (Uganda) in 1979, he did his post graduate studies in meteorology at the Universities of Nairobi (Kenya) and Pretoria (South Africa). In 1997 he obtained a Commonwealth scholarship to study a Master's degree in Climate Change at the University of East Anglia (UK). He also obtained certificates in Statistics in Agricultural Climatology at the University of Reading (UK) in 1997 and in Environmental Leadership Programme at the University of California, San Francisco (USA) in 2005. Festus joined the UNFCCC secretariat (Bonn, Germany) in 2003 where he is a Team Leader involved in policy analysis, advising on evaluation, negotiations and implementation of climate change adaptation policies and projects.



**Lis Mullin Bernhardt, Programme Implementation and Communications Officer, UNW-DPC**

Lis Mullin Bernhardt joined UNW-DPC in June 2009 and brings to the table over ten years of experience in the organization and management of capacity development activities around the world. Her specific areas of expertise lie among other areas in the conceptualization, coordination, implementation and communication of multi-stakeholder workshops, trainings, conferences and other capacity development projects. Lis holds a Masters in Business Administration from Henley Business School in England, a Masters in International Affairs from the Graduate Institute in Geneva, Switzerland, and a Bachelors in International Studies from Northwestern University in Chicago, USA.



**Sadya Ndoko, Associate Programme Officer, UNFCCC**

Sadya Ndoko is an Associate Programme Officer at the UN Climate Change Secretariat (UNFCCC). She supports the design and implementation of the work programme of the Least Developed Countries Expert Group (LEG) under the UNFCCC. The work programme includes, inter alia, the provision of technical guidance and advice to the national adaptation plan process in LDCs and support to the LDCs for the preparation, revision/update and implementation of national adaptation programmes of action. Prior to joining the Secretariat, she worked on urban rehabilitation initiatives, including on the provision of water supply and sanitation in urban poor areas in the Caribbean.



**Stefanie Neno, Communication and Information Specialist, UN-WATER/FAO**

Stefanie graduated with a Master's degree in Environmental Economics in 2002 and has since then worked on water-related issues. She rapidly realized the central role of communications and, because of her personal and particular interest in them, built skills in web development, website management, social media, information and knowledge management, etc and focused her efforts on communication and outreach activities in relation to the sustainable management of natural resources. She is currently the Communications Manager for UN-Water, employed as Communication and Information Specialist at the Food and Agriculture Organization of the UN (FAO). Stefanie previously worked at the United Nations World Water Assessment Programme (hosted by UNESCO), the World Water Council and in Tunisia.



**Steffen Niemann, Capacity Building Specialist, Helmholtz-Zentrum für Umweltforschung, UFZ**

Dr. Niemann is a research fellow at the Helmholtz Centre for Environmental Research (UFZ) in Magdeburg, Germany. He spent several years as a lecturer of geography at the universities of Würzburg and Frankfurt and within a transdisciplinary research project on population dynamics and supply systems. He has, since the beginning of 2009, been responsible for "Capacity Development" issues in the interdisciplinary "International Water Research Alliance Saxony" (IWAS).



**Alexander Otte, Division of Water Sciences, UNESCO IHP**

Alexander Otte, M.A. in Political Science, Albert-Ludwigs-Universität Freiburg. Studied at the Ruhr-Universität Bochum and the Trinity College Dublin. Collaborates with UNESCO's International Hydrological Programme (IHP) since 1999, currently with the Office of the Director of the Division of Water Sciences and Secretary of IHP, member of the coordinating team of the UN 2013 International Year of Water Cooperation. Led UNESCO communication campaigns and managed UNESCO-IHP projects in the domains of knowledge sharing and international cooperation on capacity building, research and publication, especially related to traditional water management, water cultures, audiovisual projects and outreach.



**Jörg Szarzynski, Head of Section, UNU-EHS**

Dr. Jörg Szarzynski is an Educational Officer at the UNU-EHS in Bonn, Germany. Dr. Szarzynski holds a diploma in Geography from the University of Bonn and a PhD in Physical Geography and Atmospheric Sciences from the Universities in Mannheim and Göttingen. He has broad expertise in climatology and remote sensing, global environmental change research, capacity-building and web-based data and information management. His work and research experience also encompasses curriculum development, organization of international seminars and workshops and lecturing within international training courses on remote sensing applications for Risk and Disaster Management in several African countries, especially in West, Eastern and Southern Africa. Previous positions were held at the Center for Development Research (ZEF) in Bonn, the German Aerospace Center (DLR), where he was in

charge of the coordination of capacity development activities within the German-Indonesian Tsunami Early Warning System (GITEWS), and a secondment as a Senior Expert to the United Nations Platform for Space-based Information for Disaster Management and Emergency Response (UN-SPIDER).



**Danka Thalmeinerova, Senior Knowledge Management Officer, GWP**

Danka Thalmeinerova is a water expert who worked with the Slovak Ministry of Environment. She participated in projects related to EU approximation, water policy and legislative development, IPPC implementation, international treaty implementation and water pricing. For five years she was project manager for a Harvard University USAID project on environmental economics and policy in Central and Eastern Europe (CEE). She also led a team for several EU and UNDP/GEF-funded projects in CEE on implementing the EU Water Framework Directive. Danka has been a university lecturer, and received her Ph.D. from the Slovak Technical University in Bratislava. Currently, she is a senior knowledge management officer responsible for education and capacity building programmes on IWRM.



**Daniel Tsegai, Programme Officer, UNW-DPC**

An economist by training, Dr. Daniel Tsegai is a Programme Officer at the UN-Water Decade Programme on Capacity Development. Before joining the UNW-DPC team, Dr. Tsegai was a Senior Researcher at the Centre for Development Research (ZEF) of the University of Bonn. At ZEF, Dr. Tsegai was engaged in interdisciplinary research, teaching and scientific coordination of various research projects. Dr. Tsegai received his Ph.D. in Development Economics from the University of Bonn, M.Sc. in Agricultural Economics from the University of Goettingen and B.A. in Economics from the University of Asmara, Eritrea.



**Kirsten de Vette, Programmes Officer, IWA**

Kirsten joined IWA in 2009 as a project officer in support of programmes focused on low and middle income countries. Kirsten, now a programme officer, is based in the Hague office and currently coordinates IWA's Human Resources and Capacity Development programme, as well as activities of the IWA's Young Water Professionals, both strongly focusing on ensuring sufficient professional capacity in the water sector. Kirsten holds a Master degree in Management of Agro-ecological Knowledge and Social Change from the University of Wageningen, The Netherlands, focusing on development sociology.

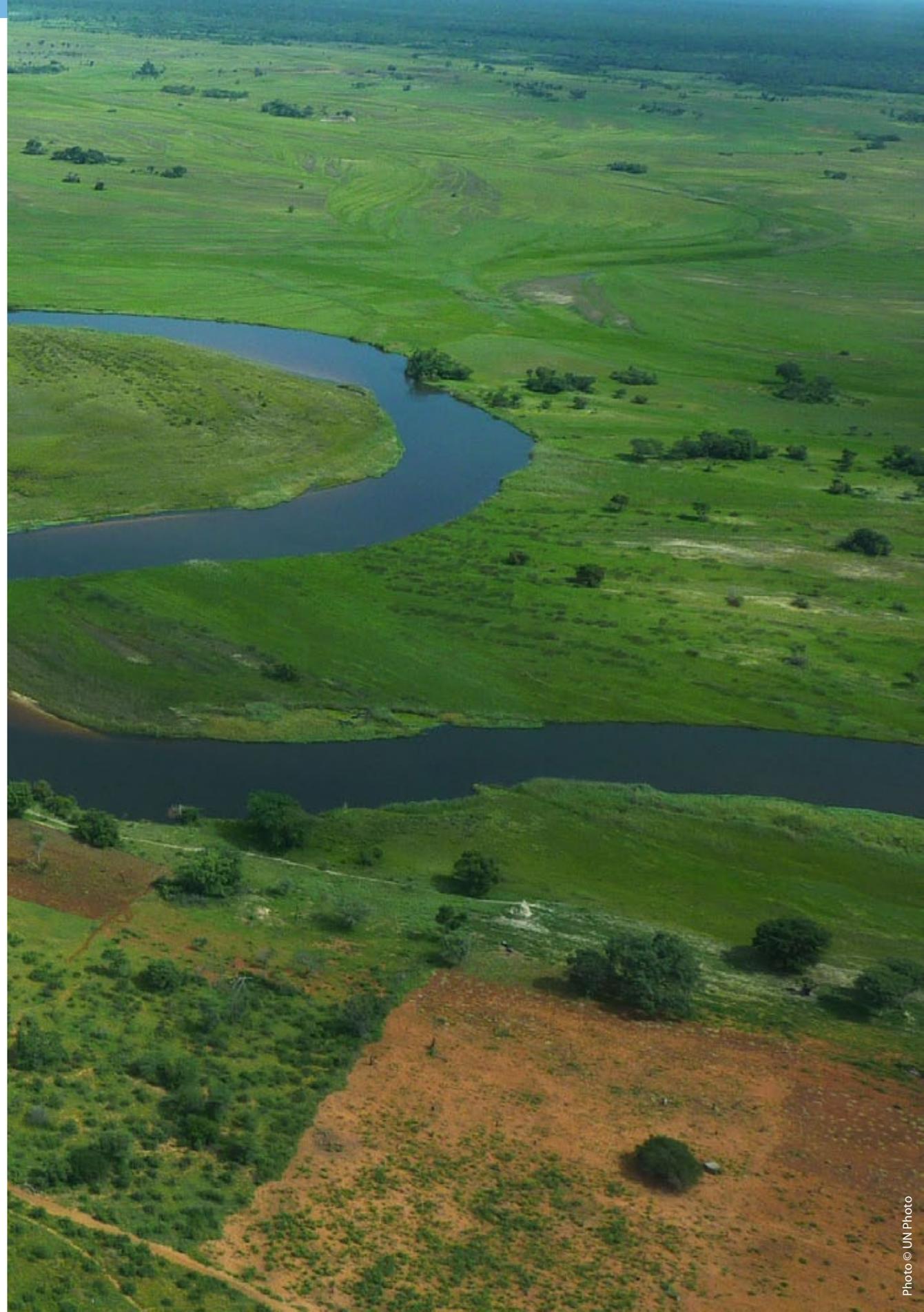


**Uta Wehn de Montalvo, Senior Researcher and Programme Coordinator, UNESCO - IHE**

As Senior Researcher and Programme Coordinator for Knowledge and Capacity Development, Dr. Uta Wehn de Montalvo is a senior member of staff in the Knowledge and Capacity Development Chair group of the Integrated Water Systems and Governance Department at the UNESCO-IHE Institute for Water Education. She has been actively involved in several interdisciplinary research and capacity development projects in Rwanda, Uganda and the Mekong River basin. She draws on more than 16 years of combined industrial and research experience, 12 years of which she was managing and conducting applied research for clients including the United Nations, the European Commission, the Dutch government, USAID and the private sector.

## Notes

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**UNW-DPC** was established in August 2007

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UN-Water Decade Programme on Capacity  
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