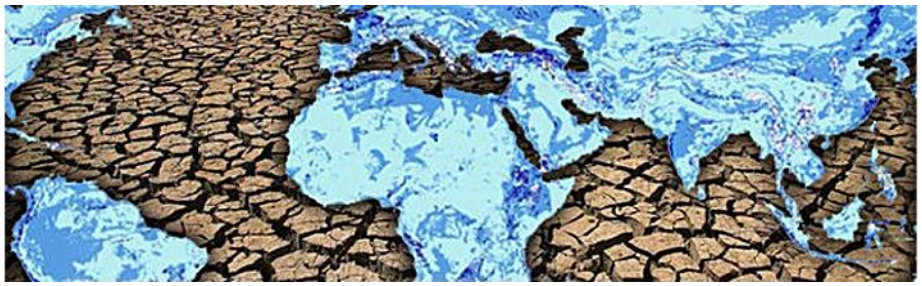
Commission for Water Sustainability



MEMBER PROFILE

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Study areas	
Countries / Regions	Germany, Mongolia, Burkina Faso, India / Central Asia, South Asia, West Africa

Topics of last three projects	
1	IWRM in Mongolia
2	Drinking water hygiene in Germany
3	Transboundary water issues on the Selenga

Topics of last 10 publications		Publication links
1	Modular development of an inline monitoring system for waterborne pathogens in raw and drinking water.	doi: 10.1007/s12665-016-6287-9
2	Regional Disparities of Microbiological Drinking Water Quality: Assessment of Spatial Pattern and Potential Sociodemographic Determinants.	doi: 10.1080/1573062X.2016.1240809
3	Empirical assessment of environmental education in the context of an IWRM concept for Northern Mongolia.	doi: 10.1007/s12665-016-6036-0
4	The Selenga River delta: a geochemical barrier protecting Lake Baikal waters.	doi: 10.1007/s10113-016-0996-1
5	Regional patterns of heavy metal concentrations in water, sediment and five consumed fish species of the Kharaa River basin, Mongolia.	doi:10.1007/s10113-016-0969-4
6	Influence of air temperature on children water contacts with respect to schistosomiasis transmission risk in the Sourou Valley, Burkina Faso.	doi: 10.1007/s00477-016-1214-x
7	Bedeutung hydrometeorologischer Extremereignisse im Kontext des Klimawandels für die Trinkwasserhygiene in Deutschland und Mitteleuropa.	doi: 10.5675/HyWa_2015,5_7
8	Initial Characterization and Water Quality Assessment of Stream Landscapes in Northern Mongolia and its Integration into a River Basin Management Plan.	doi:10.3390/w7073166
9	Science-Based IWRM Implementation in a Data-Scarce Central Asian Region: Experiences from a Research and Development Project in the Kharaa River Basin, Mongolia.	doi:10.3390/w7073486
10	Water Resources and Their Management in Central Asia in the Early 21st Century: Status, Challenges and Future Prospects.	doi:10.1007/s12665-014-3789-1

Research interests in water

Climate & Water	Water in arid areas	Arctic water	Water cycle	Atmospheric water	Glaciers & Cryosphere					
Hydrological extreme events	Floods	Droughts	Ice phenomena							
Water flow	Catchment processes	Run-off generation	Groundwater-Surface water interactions	Hyporheic processes	Interstitial water	Porewater	Alluvial water			
Surface water	Limnology	Fluvial dynamics	Continental scale processes	Dams / Reservoirs	Sediments	Rivers	Floodplains			
Ground water	Soil water	Karst water	Hydrogeology	Recharge						
Marine Environment	Coastal waters	Estuarian waters								
Aquatic habitats/ Ecosystems	Wetlands	Lakes	Peatlands	Rivers						
Water availability	Water utility	Water storage	Dams / Reservoirs	Water scarcity	Supply & Distribution	Water allocation	Water restrictions			
Modelling and GIS	Hydro GIS	Groundwater modelling	Surface water modelling	Remote sensing						
Water quality	Pollution	Purification	Hydrochemistry	Treatment	Desalination	Waste water	Sewage			
Water & Health	Water & Sanitation	Water & Food	Waterborne diseases	Drinking water	Water purification					
Water & Energy	Water-Energy nexus	Water for energy	Energy for water	Water, Food & Energy						
Water management/ policy	Integrated Catchment management	Integrated water resource management	Water loss	Reticulation & Supply	Transboundary water					
Water use	Urban	Agricultural	Mine water	Industrial	Grey water	Green water	Blue water	Return water	Water sustainability	Competing water use
Water Law & Economics	Water trade	Virtual water	Privatisation	Water as public good	Right to water	Bills & Laws	Affordability			
Socio-political aspects	Water history	Water wars	Water & Poverty	Access to water						