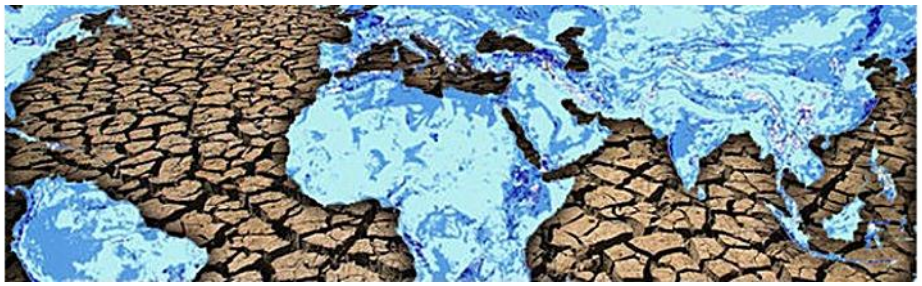
Commission for Water Sustainability



MEMBER PROFILE

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Study areas

Countries / Regions	China, Norway, UK / Yangtze River, Yellow River, Lake District, Scottish loches

Topics of last three projects

1	Water-Carbon-Energy nexus of Xiaolangdi Reservoir in Yellow River, China
2	Water consumption and pollution risk of shale gas development in Fuling, China
3	Greenhouse gas and organic carbon cycle in Nordic lakes

	Topics of last 10 publications	Publication links
1	Sustaining China's water resources	http://science.sciencemag.org/content/339/6116/141.2
2	Water safety and inequality in access to drinking-water between rich and poor households	http://pubs.acs.org/doi/abs/10.1021/es303345p
3	Greenhouse gas metabolism in Nordic boreal lakes	http://link.springer.com/article/10.1007/s10533-015-0154-8
4	Optimization of industry structure based on water environmental carrying capacity under uncertainty of the Huai River Basin within Shandong Province, China	http://www.sciencedirect.com/science/article/pii/S0959652615011658
5	Towards threshold-based management of freshwater ecosystems in the context of climate change	http://www.sciencedirect.com/science/article/pii/S0304380014004256
6	Water Requirements for Shale Gas Fracking in Fuling, Chongqing, Southwest China	http://www.sciencedirect.com/science/article/pii/S1876610215016380
7	Faecal contamination of drinking-water in low-and middle-income countries: a systematic review and meta-analysis	http://journals.plos.org/plosmedicine/article?id=10.1371/journal.pmed.1001644
8	A spatial analysis of pit latrine density and groundwater source contamination	http://link.springer.com/article/10.1007/s10661-012-2866-8
9	Effects of light and substrate on the benthic diatoms in an oligotrophic lake: a comparison between natural and artificial substrates	http://onlinelibrary.wiley.com/doi/10.1111/j.1529-8817.2012.01201.x/full
10	Potentially massive greenhouse-gas sources in proposed tropical dams	http://onlinelibrary.wiley.com/doi/10.1890/12.WB.014/abstract

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						