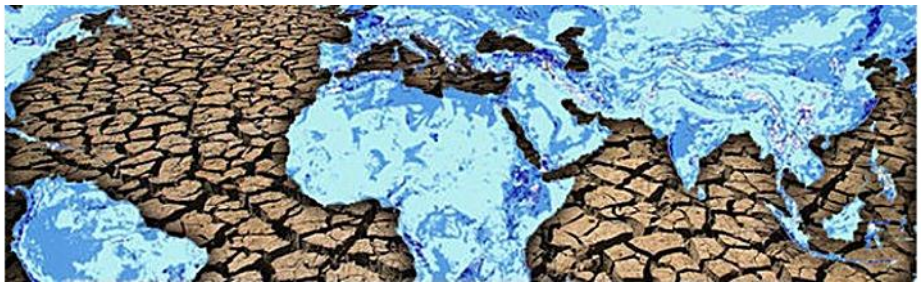
Commission for Water Sustainability



MEMBER PROFILE

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Study areas	
Countries / Regions	China and Central Asia / East, Far-east and Central Asia

Topics of last three projects	
1	Studies on Lake ice bio-optical properties on Northeast China
2	Investigations on bio-optical properties for turbid inland waters across China
3	Remote Sensing of Water Quality for inland waters in China and eutrophication assessment with remotely derived water quality parameters.

	Topics of last 10 publications	**Publication links**
1	Spatiotemporal Variations of Lake Surface Temperature across the Tibetan Plateau Using MODIS LST Product	
2	Remote quantification of phycocyanin in potable water sources through an adaptive model	
3	Using Partial Least Squares-Artificial Neural Network for Inversion of Inland Water Chlorophyll-a	
4	Remote quantification of total suspended matter through empirical approaches for inland waters	
5	Remote estimation of chlorophyll-a in turbid inland waters: Three-band model versus GA-PLS model	
6	Remote estimation of phycocyanin (PC) for inland waters coupled with YSI PC fluorescence probe	
7	Spatiotemporal characterization of dissolved Carbon for inland waters in semi-humid/semiarid region, China	
8	Wetlands shrinkage, fragmentation and their links to agriculture in the Muleng-Xingkai Plain, China	
9	Hyperspectral determination of eutrophication for a water supply source via genetic algorithm-partial least squares (GA–PLS) modelling	
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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						