



MEMBER PROFILE



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Study areas	
Countries / Regions	USA, Korea / Pacific Northwest

Topics of last three projects				
1	Climate change and urban flooding			
2	Climate change, population growth, and water scarcity			
3	Climate change, restoration and water-related ecosystem services			

Topics of last 10 publications		Publication links				
1	Climate change and water ecosystem services	http://onlinelibrary.wiley.com/doi/10.1002/ehs2.12 54/full				
2	Climate change and urban water demand	http://www.sciencedirect.com/science/article/pii/S0 022169416302268				
3	Integrated river basin management	http://water.usgs.gov/nrp/IHP/us_unesco_2010_hel p_workshop_monograph.pdf				
4	Environmental governance and water quality	http://www.hydrol-earth-syst- sci.net/18/1383/2014/hess-18-1383-2014.html				
5	Landscape characteristics and stream temperature	http://www.sciencedirect.com/science/article/pii/S0 048969713005767				
6	Climate variability and urban water use	http://dc.uwm.edu/ijger/vol1/iss1/7/				
7	Water resource vulnerability	http://dx.doi.org/10.1080/07055900.2013.777896				
8	Spatially explicit water quality indicators	http://www.sciencedirect.com/science/article/pii/S0 048969716302534				
9	Streamflow trends in the pacific Northwest	http://onlinelibrary.wiley.com/doi/10.1111/j.1538- 4632.2012.00847.x/full				
10	Climate change and runoff	http://www.sciencedirect.com/science/article/pii/S0 022169410002398				

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	<mark>Urban</mark>	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						