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Study areas

Countries **USA, Korea**

Region **Pacific Northwest**

Topics of last three projects

- Climate change and urban flooding
- Climate change, population growth, and water scarcity
- Climate change, restoration and water-related ecosystem services

Envisioned activities in Commission

attend/ organise meetings **YES**
contribute to publications **Potentially YES**
read newsletter **YES**
joint research, collaboration **YES**
Other (please specify)

Research interests in water (select maximum 10)

Climate & Water	Hydrological extreme events	Water flow	Surface water	Ground water	Marine Environment	Aquatic habitats/ Ecosystems	Water availability
Water in arid areas	Floods ☒	Catchment processes	Limnology	Soil water	Coastal waters	Wetlands	Water utility
Arctic water	Droughts ☒	Run-off generation ☒	Fluvial dynamics	Karst water	Estuarian waters	Lakes	Water storage
Water cycle ☒	Ice phenomena	Groundwater-Surface water interactions	Continental scale processes	Hydrogeology		Peatlands	Dams / Reservoirs
Atmospheric water		Hyporheic processes	Dams / Reservoirs	Recharge		Rivers	Water scarcity ☒
Glaciers & Cryosphere		Interstitial water	Sediments				Supply & Distribution
		Porwater	Rivers				Water allocation
		Alluvial water	Floodplains				Water restrictions

Modelling and GIS	Water quality	Water & Health	Water & Energy	Water management/ policy	Water use	Water Law & Economics	Socio-political aspects
Hydro GIS ☒	Pollution ☒	Water & Sanitation	Water-Energy nexus	Integrated Catchment management	Urban ☒	Water trade	Water history
Groundwater modelling	Purification	Water & Food	Water for energy	Integrated water resource management ☒	Agricultural	Virtual water	Water wars
Surface water modelling ☒	Hydrochemistry	Waterborne diseases	Energy for water	Water loss	Mine water	Privatisation	Water & Poverty
Remote sensing	Treatment	Drinking water	Water, Food & Energy	Reticulation & Supply	Industrial	Water as public good	Access to water
	Desalination	Water purification		Transboundary water	Grey water	Right to water	
	Waste water				Green water	Bills & Laws	
	Sewage				Blue water	Affordability	
					Return water		
					Water sustainability		
					Competing water use		

Other (please specify)

other areas of interest

Research interests in water (supply 5 keywords)

climate change impacts

hydrological extremes

water use

water ecosystem services

water quality

Topics of last 10 publications

Publication links

Topics of last 10 publications	Publication links
1 Climate change and water ecosystem services	http://onlinelibrary.wiley.com/doi/10.1002/ehs2.1254/full
2 Climate change and urban water demand	http://www.sciencedirect.com/science/article/pii/S0022169416302268
3 Integrated river basin management	http://water.usgs.gov/nrp/IHP/us_unesco_2010_help_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/S0048969713005767
6 Climate variability and urban water use	http://dx.uwm.edu/liger/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/S0048969716302534
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/S0022169410002398