



## MEMBER PROFILE

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<b>Study areas</b>	
Countries / Regions	All countries in Europe

<b>Topics of last three projects</b>	
1	Floods at the European Scale.
2	Hydrological Changes.
3	Water Resources Management in Ireland.

<b><u>Topics of last 10 publications</u></b>		<b><u>Publication links</u></b>
1	Understanding Flood Regime Changes in Europe: A state of the art assessment.	<a href="http://www.hydrol-earth-syst-sci.net/18/2735/2014/">http://www.hydrol-earth-syst-sci.net/18/2735/2014/</a>
2	Robust Adaptation Assessment – Climate Change and Water Supply.	<a href="http://www.emeraldinsight.com/doi/full/10.1108/17568691111153438">http://www.emeraldinsight.com/doi/full/10.1108/17568691111153438</a>
3	Vulnerability analysis of future public water supply under changing climate conditions: A study of the Moy catchment, western Ireland.	<a href="https://link.springer.com/article/10.1007/s11269-010-9618-8">https://link.springer.com/article/10.1007/s11269-010-9618-8</a>
4	Attribution of detected changes in streamflow using multiple working hypotheses.	<a href="http://www.hydrol-earth-syst-sci.net/18/1935/2014/">http://www.hydrol-earth-syst-sci.net/18/1935/2014/</a>
5	Climate driven trends in mean- and high-flows from a network of reference stations in Ireland.	<a href="http://www.tandfonline.com/doi/abs/10.1080/02626667.2013.782407">http://www.tandfonline.com/doi/abs/10.1080/02626667.2013.782407</a>
6	Against a 'wait and see' approach in adapting to climate change.	<a href="http://www.tandfonline.com/doi/abs/10.1080/00750778.2011.615707">http://www.tandfonline.com/doi/abs/10.1080/00750778.2011.615707</a>
7	Identification of coherent flood regions across Europe by using the longest streamflow records.	<a href="http://www.sciencedirect.com/science/article/pii/S0022169415004291">http://www.sciencedirect.com/science/article/pii/S0022169415004291</a>
8	Increasing river floods - fiction or reality?	<a href="http://onlinelibrary.wiley.com/doi/10.1002/wat2.1079/abstract">http://onlinelibrary.wiley.com/doi/10.1002/wat2.1079/abstract</a>
9	Hydrological hazards in Russia: origin, classification, changes and risk assessment.	<a href="https://link.springer.com/article/10.1007/s11069-016-2632-2">https://link.springer.com/article/10.1007/s11069-016-2632-2</a>
10	Variability of seasonal floods in the Upper Danube River basin.	<a href="https://www.degruyter.com/view/j/johh.2016.64.issue-4/johh-2016-0037/johh-2016-0037.xml">https://www.degruyter.com/view/j/johh.2016.64.issue-4/johh-2016-0037/johh-2016-0037.xml</a>

## Research interests in water

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