




Commission  
for Water  
Sustainability



## MEMBER PROFILE

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<b>Study areas</b>	
Countries / Regions	Hungary

<b>Topics of last three projects</b>	
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	<b><u>Topics of last 10 publications</u></b>	<b><u>Publication links</u></b>
1	CHANGES IN FLOODPLAIN VEGETATION DENSITY AND THE IMPACT OF INVASIVE AMORPHA FRUTICOSA ON FLOOD CONVEYANCE	<a href="https://sciendo.com/pdf/10.2478/jengeo-2018-0008">https://sciendo.com/pdf/10.2478/jengeo-2018-0008</a>
2	(Mis) management of floodplain vegetation: The effect of invasive species on vegetation roughness and flood levels	<a href="https://www.researchgate.net/publication/333638055_Mis_management_of_floodplain_vegetation_The_effect_of_invasive_species_on_vegetation_roughness_and_flood_levels">https://www.researchgate.net/publication/333638055_Mis_management_of_floodplain_vegetation_The_effect_of_invasive_species_on_vegetation_roughness_and_flood_levels</a>
3	Nature based community energy: conversion of invasive alien shrubs into bioenergy	<a href="https://www.ageiweb.it/wp-content/uploads/2019/05/Programma-Galway_EUGEO_2019.pdf">https://www.ageiweb.it/wp-content/uploads/2019/05/Programma-Galway_EUGEO_2019.pdf</a>
4	Partnering Business & Nature to preserve freshwater ecosystems	<a href="https://www.ceeweb.org/wp-content/uploads/2015/05/20-Csaba-Vaszko.pdf">https://www.ceeweb.org/wp-content/uploads/2015/05/20-Csaba-Vaszko.pdf</a>
5	Advocating for sustainable energy in Central and Eastern Europe	<a href="https://dspace.emu.ee/xmlui/bitstream/handle/10492/3755/PANEL_guidebook_web_nov17.pdf?sequence=1&amp;isAllowed=y">https://dspace.emu.ee/xmlui/bitstream/handle/10492/3755/PANEL_guidebook_web_nov17.pdf?sequence=1&amp;isAllowed=y</a>
6	Transition strategies & Governance of transitions	<a href="https://ec.europa.eu/energy/sites/ener/files/documents/strategies_and_governance_webinar.pdf">https://ec.europa.eu/energy/sites/ener/files/documents/strategies_and_governance_webinar.pdf</a>
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## 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						