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Study areas

Countries **Romania**

Region **Danube River Basin**

Topics of last three projects

- 1 Evaluation of human pressures on a river's hydromorphology
- 2 Analysis of flood risk
- 3 Fluvial dynamics of channel patterns

Envisioned activities in Commission

attend/ organise meetings **X**

contribute to publications **X**

read newsletter **X**

joint research, collaboration **X**

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 X	Catchment processes	Limnology X	Soil water	Coastal waters	Wetlands	Water utility
Arctic water	Droughts	Run-off generation	Fluvial dynamics X	Karst water	Estuarian waters	Lakes	Water storage
Water cycle X	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 X				Supply & Distribution
		Porwater	Rivers X				Water allocation
		Alluvial water	Floodplains X				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 X	Urban	Water trade	Water history X
Groundwater modelling	Purification	Water & Food	Water for energy	Integrated water resource management X	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)

Hydromorphology

River restoration

Floods risk

Water balance

Water governance

Topics of last 10 publications

Publication links

Topics of last 10 publications	Publication links
1 Alteration of braided rivers	http://dx.doi.org/10.1007/s00267-016-0701-7 , WOS: 0003791596000071
2 Methodology to assess a river's morphological quality	http://dx.doi.org/10.3390/w7062971 , WOS: 000361034400011
3 Urbanization effects on the river systems	http://dx.doi.org/10.1002/ehs2.1247
4 Variability of evaporation and evapotranspiration	http://dx.doi.org/10.1016/j.proenv.2016.03.033
5 Land use impact on overland flow	http://dx.doi.org/10.1515/wild-2016-0013
6 Soft measures for flood risk mitigation and adaptation	http://riscuriscatastrofe.reviste.ubbcluj.ro/Volume/XV_NR_18_1_2016/pdf/1_Zaharia_7_22.pdf
7 Channel typology based on stability criteria	http://dx.doi.org/10.1016/j.proenv.2017.03.017
8 Fluvial dynamics of braided rivers	http://dx.doi.org/10.4000/geomorphologie.7988
9 Conflicts in environmental protection and restoration activities	http://dx.doi.org/10.4000/developpementdurable.10550
10 Reconciling society and hydromorphological restoration	http://cinquantecontinents.geo.unibuc.ro/6/6_14_Toroimac.pdf