

PROGRAMME

Sunday, 12 June 2022

15:00-19:00	Registration
19:00	Welcome party

Monday, 13 June 2022

8:30-17:00	Registration	
8:30-9:00	Opening ceremony	
Biogenic Influences on Sediment-water Interactions from the Micro to Macro Scale		Moderator: Michele Giani
9:00-9:40	S. Covelli	How benthic chambers can help in depicting biogeochemical cycling of trace elements at the water-sediment interface in shallow coastal waters: lesson from the Northern Adriatic Sea
9:40-10:00	L. Denis	Biotic and abiotic factors controlling sediment-water exchanges in two macrotidal estuaries of the eastern English Channel
10:00-10:20	J. Faganeli	Metal(loid)s in Suspended Particulate Matter and Plankton from Coastal Waters (Gulf of Trieste, Northern Adriatic Sea)
10:20-10:50	Coffee break	
		Moderators: Lionel Denis, Mathieu Sebilo
10:50-11:10	M. Meresse	Study of the effect of saltwater intrusion on the photosynthetic activity of microphytobenthos: case of the Canche estuary
11:10-11:30	T. Reid	Assessing metabolic biomarkers at the sediment-water interface for monitoring nutrient/fertilizer gradients along a river continuum: An integrated "omics" approach
11:30-11:50	E. Pavoni	Fluxes and fate of particulate mercury in a contaminated coastal environment (Gulf of Trieste, northern Adriatic Sea)
11:50-12:10	A. Koiter	The influence of land use and geomorphology on water and sediment dynamics in the Canadian Prairies
12:10-12:30	S. Lojen	Are isotopes of Mg, Sr and U in fluvial sediments identifiers of authigenic carbonate?
12:30-14:00	Lunch and posters	
Sediment-associated Nutrient and Contaminant Processes		Moderator: Stefano Covelli
14:00-14:40	M. Giani	Nutrients trends in the northern Adriatic Sea
14:40-15:00	A. Clement	Measurement-based estimation of sediment-associated nutrient and potentially toxic elements river load in medium-sized catchments
15:00-15:20	M. Koschorreck	Temporal patterns and potential drivers of CO ₂ emission from dry sediments of a large river
15:20-15:50	Coffee break	
		Moderators: Sonja Lojen, Paolo Porto
15:50-16:10	M. Luo	Anthropogenic activities influence the mobilization of trace metals and oxyanions in coastal sediment porewaters
16:10-16:30	V. Santinelli	Spatial patterns of sedimentary organic carbon signatures along Emilia-Romagna Region (North West Adriatic Sea)
16:30-16:50	N. Caf	Holocene changes in vegetation cover and lake dynamics due to natural and human impact in the Julian Alps, Slovenia
16:50-17:10	A. Schimmelmann	Geocatalytic low-temperature methanogenesis
17:10-17:30	P. Owens	Copper concentrations downstream of Quesnel Lake following the catastrophic failure of the Mount Polley Mine tailings storage facility
17:30-17:50	E. Petticrew	Environmental Disasters and their Implications on Research Approaches: An example from the world's second largest mine tailings spill
17:50-18:10	K. Kieta	Determining post-wildfire contamination and sediment sources using polycyclic aromatic hydrocarbons
18:30	Executive Board Meeting	



Tuesday, 14 June 2022

8:30-12:00	Registration	
Assessing and/or Restoring Disturbed Catchments		Moderator: Nives Ogrinc
8:30-9:10	D. Barcelo	Fate, Risks and Remediation of Emerging Contaminants, Antibiotic Resistance Genes and Microplastics in Surface Waters and Groundwaters of Selected European Rivers and Future COVID-19- Related Challenges
9:10-9:30	R. Bartley	Measuring the effectiveness of gully remediation on vegetation, erosion and sediment loads in the Burdekin catchment, Australia.
9:30-9:50	P. Porto	Combining plot observations and ¹³⁷ Cs measurements to provide estimates of soil erosion rate during the last six decades. Results from a cultivated area in southern Italy
9:50-10:10	R. Milačić	Influence of water hardness on the behaviour of potentially toxic elements in river water during storage
10:10-10:40	Coffee break	
		Moderator: Matthias Koschorreck
10:40-11:00	M. Sebiló	Isotopic composition of nitrate ($\delta^{15}\text{N}$ & $\delta^{18}\text{O}$) as a marker of the dynamic of nitrogen from the soil to the river.
11:00-11:20	P. Schlegel	Quantifying and characterising floodplain sedimentation: A case study of two floodplain systems in the Eastern Cape, South Africa
11:20-11:40	J. Vidmar	Screening of river water and sediment samples for the potential presence of inorganic nanoparticles by single particle ICP-MS
11:40-12:00	T. Verovšek	Residues of drugs of abuse: removal, occurrence and environmental risk assessment
12:00-12:20	A. Vehar	Municipal wastewater treatment plant as a source of bisphenols in the environment
12:30-14:00	Lunch and posters	
Extreme Environments		Moderator: Nives Ogrinc
14:00-14:40	N. Gunde Cimerman	Black bloom in white salterns
14:40-15:00	I. Vrana	Effect of hyposalinity on polar lipid remodeling in microalga <i>Dunaliella tertiolecta</i> (Chlorophyceae)
15:00-15:30	Coffee break	
15:30	IASWS General meeting	
17:00	Visit to Sečovlje salt pans	
20:00	Conference dinner	

Wednesday, 15 June 2022

GMOS Train		Moderator: Jadran Faganeli
9:00-9:40	H. Hintelmann	New insights into Hg cycling in northern environments from stable Hg isotope ratio determinations
9:40-10:10	I. Živković	Mercury reduction in the South Atlantic Ocean during carbon remineralization
10:10-10:40	Coffee break	
		Moderator: Jadran Faganeli
10:40-11:00	V. Perrot	Mercury fate and speciation in waters of the polluted Scheldt Estuary and adjacent coastal zone (northern Belgium/southern Netherlands)
11:00-11:20	J. Gačnik	Two-dimensional polymeric graphitic carbon nitride nanosheets impregnated diffusive gradients in thin films technique for the determination of mercury in aquatic system
11:20-11:40	T. Ma	Hg and MeHg speciation in the Scheldt Estuary and Belgian Part of the North Sea (BPNS) sediments
11:40-12:00	D. Deev	Aerobic methylation of mercury in microbial aggregates
12:10-13:30	Closing ceremony & Lunch	

