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CSIC
CONSEJO SUPERIOR DE INVESTIGACIONES CIENTÍFICAS



Instituto de Ciencias
de la Construcción
**Eduardo
Torroja**

Healthy Sediments

14th International SedNet Conference

6–10 October 2025

Madrid, Spain

Final Conference Programme



Healthy Sediments: What Are They and How Can They Be Achieved?

Sediments fulfil fundamental functions as riverbeds, aquatic habitats, and play an integral role in the biogeochemical cycles of aquatic systems. Due to their quality and quantity, sediments have key functions for indispensable ecosystem services, including important human uses of water bodies.

In line with the objectives of the European Water Framework Directive (WFD), Marine Strategy Framework Directive (MSFD), Mission Starfish 2030 (aiming to restore our oceans and waters), and the Green Deal (aiming for zero pollution), sediments must be healthy to help regenerate biodiversity, create good conditions for the provision of habitats and ecosystem services, and contribute to the good chemical and ecological status of water bodies. Water pollution causes sediments to function both as sinks and sources of pollutants. The remobilisation and transport of these polluted sediments can potentially negatively impact water quality and, consequently, the health of aquatic organisms. Additionally, activities such as mining and river regulation disrupt the natural sediment flow. To meet the objectives of European environmental policies, it is essential to achieve healthy sediments. We therefore need to define what constitutes healthy sediments and, thereafter, protect and, where needed, restore their health and balance. A strategy is needed to ensure the sustainable management and use of sediments.

In summary, healthy sediments are key to supporting life, maintaining biodiversity, enriching soil, and sustaining ecosystems. But how can the health of sediments be defined? What indicators can be used for assessment? The conference will address the critical topic of “Healthy Sediments” through six thematic sessions:

- 1. Sediment Quality and Risk Assessment**
- 2. Sediment Flows**
- 3. Nature Based Solutions and Beneficial Use**
- 4. Sediment Literacy & Citizen Science**
- 5. Data Collecting, Sharing and AI**
- 6. Sediment Management Concepts and Policy**

The Book of Abstracts is available here: <https://sednet.org/book-of-abstracts/>.

09:00–17:00 SedNet Working Group Meeting: Circular Economy

12:00–17:00 SedNet Working Group Meeting: Sediment Quality

The programme for the SedNet Working Group meetings can be found on the [website](#).
If you want to join the Working Group meetings, please contact the [SedNet Secretariat](#).

17:00 – 18:00 Icebreaker



08:30 – 09:00 Registration	
09:00 – 10:30 Plenary opening session	
09:00 – 9:20	Welcome by the SedNet chairs Ilka Carls (Ministry of Environment of the City of Hamburg) & Henrich Röper (Hamburg Port Authority)
09:20 – 9:40	Keynote presentation by D. Francisco Javier Sánchez Martínez (Ministry of Environment (MITECO), General Directorate for Water)
09:40 – 10:10	Keynote presentation by José María Martell Berrocal (Deputy President of Scientific and Technological Research, CSIC)
10:10 – 10:30	Keynote presentation by Luca Pérez (European Commission, Directorate-General for Environment)
10:30 – 11:00 Coffee break & poster viewing	
Room 1	Room 2
SESSION 1 Sediment Quality and Risk assessment <i>Session chairs</i> <i>Carmen Casado (Ecotox Centre Eawag-EPFL, Switzerland)</i> <i>Susanne Heise (Hamburg University of Applied Sciences, Germany)</i> <i>Elena Romano (Institute for Environmental Protection and Research, Italy)</i>	SESSION 2 Sediment Flows <i>Session chair</i> <i>Jos Brils (Deltares, The Netherlands)</i>
11:00 – 11:05 Opening of the session	Opening of the session
11:05 – 11:25	Sediment pollution, chronic toxicity and metal bioaccumulation in freshwater macroinvertebrates from Pb/Zn mining districts <i>Leire Méndez-Fernández, University of the Basque Country</i>
11:25 – 11:45	Past, present and future suspended sediment transport in large German rivers <i>Thomas Hoffmann, Federal Institute of Hydrology</i>
11:45 – 12:05	Ecotoxicological assessment of river sediments downstream of a firefighting training site <i>Rébecca Beauvais, Swiss Centre for Applied Ecotoxicology</i>
12:05 – 12:25	Tracing gravel in the German Upper Rhine using radio acoustic transmitters – findings from a preliminary study <i>Martin Struck, Federal Waterways Engineering and Research Institute</i>
12:25 – 12:40	Landscape Reading of River Systems Exploring the Geological History of Alpine Rivers <i>Lisa Schmalfuss, Institute of Hydraulic Engineering and River Research, University of Natural Resources and Life Sciences</i>
Flash poster presentations	Sediment Dynamics in an Alpine River A Case Study from the Ötztal, Austrian Alps <i>Sabrina Schwarz, BOKU University</i>
Bioessays with the European amphipod <i>Gammarus fossarum</i> to assess freshwater sediments toxicity <i>Cécile Luc-Rey, Biomonitoring Aquatic Environment & RiverLy - Fonctionnement des hydrosystèmes</i>	Flash poster presentations
Ammonium in marine sediments: from a confounding factor in ecotoxicological assessments to a contaminant? <i>Lorenzo Morroni, ISPRA, DISVA</i>	Morphological changes after sequential experimental floods the case study of the Spöl River, Switzerland <i>Virginia Ruiz-Villanueva, University of Bern</i>
	Influence of pre-existing bed on diluted turbidity current propagation <i>Shaheen Akhtar Wahab, Delft University of Technology</i>

	Assessment of Rare Earth Elements (REEs) Toxicity in Sediment Environments Using <i>Caenorhabditis elegans</i> <i>Zhenghua Wang, Hunan University of Science & Technology and Hamburg University of Applied Science</i>	Investigating Sources and Transport Dynamics of Suspended Sediments in a Mediterranean Forested Catchment <i>Diletta Chirici, University of Florence</i>
	Preliminary ecotoxicological analysis to optimize sediment quality characterization of the Ravenna Port, Italy <i>Chiara Fratini, Bioscience Research Center and University of Palermo</i>	
	Potential Ecological Risk Assessments in the Gediz Delta derived by ²¹⁰ Pb and ¹³⁷ Cs sediment dating <i>İlker Sert, Institute of Nuclear Sciences</i>	
12:40 – 14:10 Lunch		
	SESSION 1 Sediment Quality and Risk assessment <i>continued</i>	SESSION 2 Sediment Flows <i>continued</i>
14:10 – 14:30	A regional systemic approach to assess spatial distribution, transfer, exposure and remediation of wide-spread PFAS pollution in Willebroek <i>Katrien van de Wiele, Flemish Public Waste Agency</i>	Glacio-fluvial sediment connectivity: A catchment-scale perspective in a rapidly retreating glaciated area in the Austrian Alps <i>Michael Paster, BOKU University</i>
14:30 – 14:50	Study of PFAS contamination in the Garonne and its watershed <i>Quentin Dubois, University of Bordeaux</i>	Ursiau case study A comparison of transport equations with long-term monitored bedload data <i>Andrea Lammer, Institute of Hydraulic Engineering and River Research</i>
14:50 – 15:10	Quantitative analysis of PFAS distribution in aqueous environmental samples of the Hungarian section of the Danube River <i>Esther Orenibi, Eötvös Loránd University</i>	Exploring the role of sediment availability in the morphological response during floods the case of the Tenetra stream (Marche, Italy) <i>Erica Guidi, University of Urbino</i>
15:10 – 15:30	The current situation with TBT in Sweden – contamination situation, sources, transport pathways and ongoing research <i>Tobias Porsbring, Swedish Geotechnical Institute</i>	Analysis of sediment transport in Ebro Delta channels to optimise the irrigation network efficiency in diverting sediment to vulnerable areas <i>Josep Coma, HAEDES</i>
15:30 – 15:45	Flash poster presentations	Flash poster presentations
	Reconstruction of historical events by studying radionuclides and chemical concentrations in a sediment core at North Cretan deep basin, Greece <i>Christos Tsabaris, Hellenic Centre for Marine Research, Institute of Oceanography</i>	Continuous Sediment Transfer – Restoring Sediment Continuity in impounded Waters <i>Lara Gehrmann, Hülskens Sediments GmbH</i>

	Environmental characterization for sediment management the case of the Port of Civitavecchia (Rome, Italy) Cristian Mugnai, ISPRA	Assessment of bioavailable metal/loids in metal-rich estuarine sediments using passive samplers and sequential extraction techniques Carlos R Cánovas, University of Huelva
	Metals and phosphorus in riverine sediments from catchments under distinct environmental pressures potential availability assessment Anabela Reis, Department of Geology, School of Life and Environmental Sciences, University of Trás-os-Montes e Alto Douro	
	Mercury contamination from sediments to the terrestrial ecosystem. The case study of the Toce River (Northern Italy) Laura Marziali, CNR-IRSA, Brugherio	
15:45 – 16:15 Coffee break & poster viewing		
	SESSION 1 Sediment Quality and Risk assessment <i>continued</i>	SESSION 2 Sediment Flows <i>continued</i>
16:15 – 16:35	Long-Term Monitoring of Chemical Sediment Composition in the German Bight: Insights into Past and Future Trends and Changes Anna Plass, Federal Maritime and Hydrographic Agency	Sediment Transport and Metal Dynamics in an Acid Mine Drainage-Affected Estuary Insights from the Ria of Huelva M Dolores Basallote, Institute of Marine Sciences of Andalusia
16:35 – 16:55	The Rhône Sediment Observatory (OSR) monitoring network for suspended sediment and contaminants long-term assessment Marina Coquery, INRAE	Wet season sediment plume distribution across northern Australia; primary productivity and climate change. Paula Cartwright, James Cook University
16:55 – 17:15	Trends of per- and polyfluoroalkyl substances recorded in sedimentary archives upstream and downstream of the Lyon metropolis Brice Mourier, Univ. Lyon	Switch rooms
17:15 – 17:35	Coastal microplastic monitoring: Harmonized protocols for sampling and analysis Danijela Joksimović, Institute of marine biology-UoM	SESSION 3 Nature-Based Solutions and Beneficial Use Session Chair Arjan Wijdeveld (Deltares, The Netherlands)
17:35 – 18:00	Flash poster presentations	17:15–17:20 Opening session
	The NRRP Return Project: Environmental integrated monitoring plan for both traditional and emerging contaminants Sarah Vercelli, University of Genoa, Casaccia Research Center, ENEA Portici Research Center	17:20–17:40 Beneficial use options for dredged sediments circular economy and climate change-based assessment and classifications Bruno Lemièrre, monitor-env
	Organic ultraviolet filters (OUVFs) in sediments of freshwater bathing areas in Southern Poland Current sink and future risk? Agnieszka Gruszecka-Kosowska, AGH University of Krakow	

Historical analysis of micro plastics and heavy metals from the sediment records in İzmir Bay <i>Günseli Yaprak, Ege University</i>	
Measurement of microplastics in sand samples taken from Azerbaijan coasts of the Caspian Sea <i>Famil Humbatov, Institute of Radiation Problems, Ministry of Science and Education of the Azerbaijan Republic</i>	
Microplastic pollution in a special protection area for migratory birds <i>Monique Mancuso, Institute for Marine Biological Resources and Biotechnology (IRBIM)</i>	
eDNA metabarcoding for the assessment of benthic macroinvertebrate biodiversity in Mediterranean coastal lagoons <i>Maurizio Pinna, University of Salento & NBFC</i>	
18:00 – 20:00 Reception + Meet the presenters at their poster	



Room 1	Room 2
SESSION 1 Sediment Quality and Risk assessment <i>continued</i>	SESSION 3 Nature-Based Solutions and Beneficial Use <i>continued</i>
09:00 – 09:20 Emissions - The long-term memory of sediments <i>Arjan Wijdeveld, Deltares</i>	Field labs sustainable use of sediments in the Rhine Meuse delta <i>Marco Wensveen, Port of Rotterdam Authority</i>
09:20 – 09:40 Sediment risk assessment in Europe: comparison of environmental regulations <i>Carmen Casado-Martinez, Swiss Centre for Applied Ecotoxicology</i>	Reuse of dredged sediments from hydropower reservoirs in France: Recent experiments highlighting current enablers and barriers <i>Emmanuel Branche, EDF</i>
09:40 – 10:00 Changes in trends of the seawater column parameters and sediment elements' concentrations from 2005 to 2024 in marinas located in the Adriatic Sea <i>Jasmina Obhodaš, Institute Ruđer Bošković</i>	Description of and criteria for nature-based solutions involving sediments that reduce erosion as well as slope instability <i>Johan Nyberg, SGI, Dept. for Natural hazards and geodata</i>
10:00 – 10:20 Scaling complexity: novel hydraulic flume experiments on the interaction of sediments with nutrients and pollutants <i>Peter Flödl, Institute of Hydraulic Engineering and River Research</i>	LIFE NARMENA: Nature based remediation techniques for heavy metals in sediment – results of a constructed wetland in the Winterbeek site <i>Jan De Vos, ABO nv</i>
10:20 – 10:35 Flash poster presentations	Flash poster presentations
The new breakwater of the Port of Genoa (Italy): a complex marine environmental monitoring strategy <i>Sonya Montini, University of Genoa</i>	Sustainable navigation in Malamocco-Marghera navigation channel (Venice Lagoon) <i>Sina Saremi, DHI</i>
Rock-glacier springs as key water sources for the future is trace element contamination a risk <i>Laura Marziali, IRSA-CNR, Brugherio</i>	Transforming Sediments into A Sustainable Material for Blocks Production <i>Hugo Ekkelenkamp, NETICS B.V</i>
Gammarus fossarum as European amphipod species for substance toxicity assessment using spiked sediment <i>Anthony Mathiron, BIOMAE</i>	Valorization of Dredged Materials as Sustainable Construction Resources: An Overview <i>Amine el Mahdi Safhi, Østfold University College</i>
Exploration of sediment research by water authority HHNK within its Water Framework Directive Impulse Program <i>Chantal van Drimmelen, Hoogheemraadschap Hollands Noorderkwartier</i>	
10:35 – 11:05 Coffee break & poster viewing	

Room 1		Room 2	
SESSION 1 Sediment Quality and Risk assessment <i>continued</i>		SESSION 3 Nature-Based Solutions and Beneficial Use <i>continued</i>	
11:05 – 11:25	Electrokinetic decontamination of Tributyltin (TBT) in dredged sediment <i>Marta Castellote, Eduardo Torroja Institute of Construction Sciences</i>	Soil carbon and nutrient addition from dewatered sediment application to agricultural land – benefits and synergies for dredging and Net Zero <i>Richard Lord, Net Zero Industry Innovation Centre</i>	
11:25 – 11:45	Assessing the impact of dredge disposal on different ecosystem components in the Belgian part of the North Sea <i>Stephie Seghers, Flanders Research Institute for Agriculture, Fisheries and Food</i>	Aquaforest: a Nature-based-Solutions for restoring and developing new mangrove habitats through eco-engineering <i>Gonzalo Gabriel Villa Cox, Haedes</i>	
11:45 – 12:05	Tribochemical decomposition of aromatic pollutants in dredged sediment <i>Roman Nevshupa, Eduardo Torroja Institute of Construction Sciences</i>	First morphological response of a large nearshore nourishment project using fine sand, Knokke, Belgium <i>Anne-Lise Montreuil, Antea Group Belgium</i>	
12:05 – 12:20	Flash poster presentations		
	Ostreopsis species noticed for the first time in the area of Boka Kotorska Bay (South Adriatic Sea) <i>Dragana Drakulović, University of Montenegro</i>	12:05 – 12:25	Dewatering of Dredged Sediment by Natural Solutions <i>Miguel de Lucas, Medeina Engineering</i>
	Red mud: hazardous waste or secondary raw material with potential? <i>Mirza Nuhanović, University of Sarajevo</i>	12:25 – 12:35	Flash poster presentations
	Understanding the Heavy Metal Pollution Pattern in Sediments of a Typical Small- and Medium-Sized Reservoir in China <i>Qiushi Shen, Nanjing Institute of Geography and Limnology, Chinese Academy of Sciences, Nanjing, China</i>		<i>Rheology and Settling Processes of Mud for Defining Critical Limits for Navigability in the Port of Felixstowe</i> <i>Cornelius Ravikumar, Delft University of Technology</i>
12:20 - 12:35	Discussion		Open field ripening reduces shrinkage and increases compactibility of dredged sediment <i>Nazeir Elnaker, Delft University of Technology & Technische Universität Braunschweig</i>
12:35 - 14:00	Lunch		

Room 1		Room 2	
SESSION 4 Sediment Literacy & Citizen Science Session chair Cristina Lira (University of Lisbon, Portugal)		SESSION 3 Nature-Based Solutions and Beneficial Use continued	
14:00 – 14:20	Opening Session	Adaptive Management for environmental aspects of dredging and reclamation projects Reactive and Pro-Active Sina Saremi, DHI	
14:20 – 14:40	A Citizen Science Method Engaging non-experts in monitoring river sediment and morphological changes Eva Manzenreiter, BOKU University	Dredging project and environmental monitoring programme in the O Burgo Estuary (A Coruña, Spain) Carlos Gil Villar, Demarcación de Costas de Galicia, MITECO	
14:40 – 15:00	Citizen Science and Macroinvertebrate Monitoring Key Learnings from the CS4Rivers Project Chiara Vitillo, University of Siena	Flash poster presentations In-Situ capping of contaminated sediments in Puddefjorden, Bergen Harbour, Norway, using rock materials from tunnel boring machine (TBM) Bjørn Christian Kvisvik, COWI Organic Matter Decomposition During Sediment Ripening Nazeir Elnaker, Delft University of Technology Towards carbon neutral construction using Olivine and Calcined Sediment Marc Antoun, NETICS B.V Using stable isotope technology for environmental safety and sustainable development of water resources in Georgia George Melikadze, M. Nodia Institute of Geophysics, Ivane Javakhishvili Tbilisi State University	
15:00 - 15:30	Coffee break & poster viewing		

Room 1		Room 2	
SESSION 4 Sediment Literacy & Citizen Science <i>continued</i>		SESSION 6 Sediment Management Concepts and Policy Session chairs Carmen Kleisinger (Federal Institute of Hydrology, Germany) Pieter de Boer (Ministry of Infrastructure and Water Management, The Netherlands)	
15:30 - 15:50	Remediation of polluted marine sediments in Bergen city harbour; a collaborative approach to environmental conservation <i>Anne Christine Knag, Agency for Urban Environment, City of Bergen</i>	15:30 - 15:35	Opening session
		15:35 - 15:55	Flanders policy continues to focus on an integrated approach of contaminated sediments : legislation and code of good practice <i>Katrien van de Wiele, OVAM</i>
15:50 – 16:10	Sediment Literacy Empowering Future Generations for Sustainable Interactions with Natural Resources in an Increasingly Complex World <i>Bianca Pischke, beconpe Consulting</i>	15:55 - 16:15	Comparison of Freshwater Sediment Quality Guidelines (SQGs) for potentially toxic elements (PTEs) Historical Perspectives and Future Directions <i>Ahmedin Adem, Doctoral School of Environmental Sciences, Faculty of Science, Eötvös Loránd University, Department of chemistry</i>
16:10 – 16:30	Dirt or no Dirt, that is the Question - Improving Citizens Sediment Literacy <i>Ivonne Stresius, Faculty of Life Science, Hamburg University of Applied Sciences</i>	16:15 - 16:35	Using sediment samples to assess substances in relation to the Water Framework Directive (WFD) <i>Signe Marie Ingvarsdén and Thomas Ruby Bentzen, COWI</i>
16:30 - 16:55	Discussion	16:35 - 16:55	Assessment of dredged sediments in the light of the WFD-EQS. Justified trouble due to advanced assessment tools <i>Henning Schroeder, Federal Institute of Hydrology</i>
16:55 - 18:00	Meet the poster presenters at their poster		
20:00 - 23:00	Conference dinner & poster award ceremony at Descaro Restaurante Address: Plaza de España, 6, 2ª Planta, Centro, 28008 Madrid		



Room 1		Room 2	
SESSION 5 Data Collecting, Sharing and AI Session chair Jasmina Obhodas (Ruđer Bošković Institute, Croatia)		SESSION 6 Sediment Management Concepts and Policy <i>continued</i>	
09:30 – 09:35	Opening session	09:30 – 09:50	The sediment's role in the management of beach and recreational use of water <i>Elena Romano, ISPRA, Regione Abruzzo, ISS, ARPAE, IZS, Agenzia regionale di sanità della Toscana</i>
09:35 – 09:55	LandSeaLot: improving (also sediment dynamics) observation capacity in the land-sea interface area <i>Jos Brils, Deltares</i>		
09:55 – 10:15	Introducing the Sediment Management Framework Application <i>Claire Mason & Kirsty Clarke, Cefas</i>	09:50 – 10:10	Spanish Framework for coastal sediment management. Regulatory conditions and impact on sediment balance <i>Raúl Martín Lozano, CEDEX, Centre for Port and Coastal Studies</i>
10:15 – 10:35	Using a web application to ensure quality-assured data entry into an open access sediment contaminant database <i>Richard Heal, Cefas</i>	10:10 – 10:30	Optimization of Sediment Restoration Through Combined Remedy and Risk Management <i>Senda Ozkan, Tetra Tech</i>
		10:30 – 10:40	Flash poster presentations
			Impacts of Sterilization and Organic Matter Removal on the Rheology and Settling Behavior of Fluid Mud <i>Fatemeh Chamanmotlagh, Delft University of Technology</i>
			High concentrations of certain trace metal elements in Martinique port sediments <i>Julie Droit, CEREMA</i>
10:35 – 11:05 Coffee break & poster viewing			

Room 1		Room 2	
SESSION 5 Data Collecting, Sharing and AI continued		SESSION 6 Sediment Management Concepts and Policy continued	
11:05 – 11:25	Tools to Inform Sediment Assessment, Management, and Regulation: Book Update Richard J Wenning, Wenning Environmental LLC	Sediment management concept of the River Elbe (Germany) – implementation status and an example for supporting research Marvin Brinke, Federal Institute of Hydrology (BfG)	
11:25 – 11:45	Time-integrated sediment quality monitoring in large rivers. Temporal variations in suspended and floodplain sediments in the Drava River. Samdandorj Manaljav, Doctoral School of Environmental Sciences, Faculty of Science, Eötvös Loránd University	iNNO SED - Innovative Sediment Management in the Danube River Basin Baranya Sándor, Budapest University of Technology and Economics	
11:45 – 12:05	Suspended Sediment Load Prediction using Machine Learning models Taha Hamadene, Nuclear Safety and Radiation Protection Authority	DanubeSediment_Q2 - Sustainable, Integrated Transnational Sediment Quantity and Quality Management in the Danube River Basin Helmut Habersack, University of Natural Resources and Life Sciences, Vienna	
12:05 – 12:25	Streamlining erosion and sediment transport modelling: the ‘pywatemsedem’ package Sacha Gobeyn, Fluves	Data-driven approach to implement an integrated water and sediment management strategy in Flanders Katrien van de Wiele, VITO & OVAM	
12:25 – 14:05 Lunch			
14:05 - 14:25	The synergistic use of bathymetric measurements and ADCP for the hydromorphological monitoring of waterways Arseni Maxim, “Dunarea de Jos” University of Galati	Banning the dumping of polluted sediments - The French choice Xavier Dolbeau & Philippe Bataillard, EGIS & BRGM	
14:25 - 14:45	Rivers do not only transport sediment: Monitoring and quantifying the instream large wood regime combining field and drone surveys and AI techniques Virginia Ruiz-Villanueva, University of Bern	Circular management of dredged sediments from port maintenance Arash Sepehri, Delft University of Technology	
14:45 - 15:00	Flash poster presentations	14:45 - 15:05	
	Evaluation of a Continuous Sediment Ebullition Monitor Stacy Hopkins, ExxonMobil Environmental and Property Solutions Company	Sediment management in hydropower reservoirs on the Drava river Polonca Ojsteršek, Dravske elektrarne Maribor d.o.o.	
	On-site sediment toxicity monitoring using a field operable biosensor Robert Marks, The Ben Gurion University of the Negev	Switch to room 1 for the closing session	
	Enhancing Harmful Heavy Metal Contamination Profiling in Coastal Sediments: A Modified Geochemical Index Approach Tatiana Gonzalez Cano, Korea Institute of Ocean Science and Technology, University of Science and Technology , Admiral Padilla Naval Academy of Cadets		
15:15 - 15:45 Closing session			
15:45 - 16:30 Closing Coffee Reception			



FRIDAY, 10 OCTOBER 2025

Excursion day

Program

Please note: The excursion program is subject to change and may be updated based on logistical considerations or weather conditions. Participation is limited and available only to registered participants, on a first-come, first-served basis.

08:30 Gathering at IETcc for the bus

08:45 Departure with the bus from IETcc

10:00 Arrival in Aranjuez

Introduction and short presentation on the geomorphological restoration works carried out in the Tajo River, including sediment movement to re-naturalize the riverbed.

11:15 Technical visit to one of the restoration areas of the Tajo River.

13:00 Lunch

15:30 Cultural visit to the Royal Palace of Aranjuez including free time

17:30 Approximate arrival time back at IETcc

Conference Organisation

The conference is co-organised by SedNet and Instituto de Ciencias de la Construcción Eduardo Torroja- IETcc.

The Instituto de Ciencias de la Construcción Eduardo Torroja (IETcc) is a prominent Spanish research institution dedicated to the science and technology of construction. Founded in 1934 and named after the renowned civil engineer Eduardo Torroja, the institute is part of the Spanish National Research Council (CSIC). The CSIC is Spain's largest public research institution, founded in 1939. It operates under the Ministry of Science and Innovation, conducting multidisciplinary research across physical sciences, life sciences, social sciences, and humanities. CSIC plays a key role in advancing scientific knowledge and innovation in Spain and internationally. The IETcc focuses on advancing knowledge in construction materials, structural engineering, and building technologies, with a strong emphasis on sustainability, innovation, and improving the durability and safety of built environments. Its multidisciplinary research supports the development of standards, best practices, and cutting-edge solutions in the construction industry.

Conference Venue

This conference will only be a physical event. The conference is organised at the Instituto de Ciencias de la Construcción Eduardo Torroja (IETcc), in Madrid, Spain. Madrid, the capital of Spain, is a vibrant and historic city known for its rich cultural heritage, stunning architecture, and lively atmosphere. As the political, economic, and cultural centre of the country, Madrid is home to iconic landmarks like the Royal Palace, Prado Museum, and Puerta del Sol. The city is renowned for its bustling streets, world-class art galleries, diverse cuisine, and vibrant nightlife, offering a blend of tradition and modernity. With a population of over 3 million, Madrid is a dynamic metropolis that embodies the spirit of Spain.

The address of the conference venue is: C. de Serrano Galvache, 4, Cdad. Lineal, 28033 Madrid.

Language

The conference language will be English. No translation facilities will be provided.

Excursion

On the day after the conference, Friday, the 10th of October, an excursion will be organised. Details will be announced in the final conference programme.

Conference Fee

Regular fee: € 550,00 excl. VAT

Students: € 150,00 excl. VAT

If a student has submitted an abstract that has been selected for oral presentation, then his/her fee will be waived.

The fee includes admission to the 3-day conference programme, social events, conference dinner on the 8th of October and an excursion on the 10 of October. Details about the social events and excursion will be provided in the final conference programme.

Registration

To register, please follow the link provided below:
<https://form.jotform.com/250964471813360>



Further Information

SedNet Secretariat,
Chayenne van Dijk

E-mail: secretariat@sednet.org
Website: www.sednet.org



SedNet is the European network which aims to incorporate sediment issues and knowledge into European strategies to support the achievement of good environmental status or potential and to develop new tools for sediment management. Its focus is on all sediment quality and quantity issues at the river-sea system scale, ranging from freshwater to estuarine and marine sediments. SedNet brings together sediment professionals from science, administration, industry and consultancy. It interacts with the various networks in Europe that operate at national or international level or that focus on specific fields (such as science, policymaking, sediment management, industry, education). Special attention was devoted in recent years to the integration of sediment management in the Water Framework Directive implementation process, and particularly in the River Basin Management Plans.

For more information about SedNet visit the website: www.sednet.org.

Posters without flash poster presentation

Title	Presenter	Organisation
Spatial distribution of ⁴⁰ K, ¹³⁷ Cs, ²²⁶ Ra and ²³⁸ U in the coastal and shelf sediments of the western Black Sea	Krasimira Slavova	Institute of Oceanology, Bulgarian Academy of Sciences
Abrasion in nature a single particle analysis	Dorian Shire-Peterlechner	Institute of Hydraulic Engineering and River Research
Field Measurement of Greenhouse Gas Emissions and Gas Mediated Contaminant Dispersion from Fiberbanks	Paul Frogner-Kockum	Swedish Geotechnical Institute
Regional Geochemical Baseline for the Southern Madeira Island Challenges and Implications for Environmental Assessments	Sandra Moreira	Hydrografic Institute & Institute Dom Luiz
Phosphorus recovery from dredged sediments: Case of Malmfjärden Bay, Kalmar	Rumbidzai Mugwira	Linnaeus University, Sweden