



PRELIMINARY PROGRAMME

10th International SedNet Conference “Sediments on the move” 14-17 June 2017

Pre-conference sessions on 13 June 2017

Venue: Palazzo San Giorgio, Via della Mercanzia, 2, 16124 Genoa, Italy

Co-organized by DISTAV - University of Genoa, Italy
Hosted/sponsored by the Port Authority of Genoa

TUESDAY 13 JUNE 2017	
09.00-17.30	Pre-conference sessions of Italian EU projects SEDITERRA and SEDRIPORT <i>A separate programme of 13 June will become available in May.</i>
17.30-19.00	Icebreaker
17.30-19.00	Start registration SedNet conference
WEDNESDAY 14 JUNE 2017	
08.30-09.00	Registration
09.00-10.20	Plenary opening session <i>Chairperson: Marc Eisma, chairman SedNet & Port of Rotterdam Authority, NL</i>
09.00-09.20	Welcome <ul style="list-style-type: none"> - <i>by Marc Eisma, chairman SedNet & Port of Rotterdam Authority, NL</i> - <i>by Marco Capello, University of Genoa, co-organizer SedNet conference</i>
09.20-09.50	Keynote presentation <i>Speaker to be confirmed</i>
09.50-10.20	Keynote presentation: Small particles, big issue - sediment matters <i>Peter Heininger, SedNet SG & Federal Institute of Hydrology, Germany</i>
10.20-11.00	Coffee break

WEDNESDAY 14 JUNE 2017 - continued		
11.00-12.50	Session “Sediments moving to land, and soil moving to water” <i>Chairpersons: Susanne Heise, SedNet SG & HAW Germany, and Arjan Wijdeveld, Deltares, NL</i>	Session “Sediment quality criteria: derivation, implementation and enforcement” <i>Chairperson: Carmen Casado, SedNet SG & EAWAG-EPFL, Switzerland</i>
11.00-11.10	Keynote presentation: Soil-sediment transitions and the implications for the structure and function of restored wetlands <i>Kate Spencer, Queen Mary University of London, UK</i>	Introduction by chairperson
11.10-11.30	Keynote presentation - continued	Using a pollution-sensitive biotic indicator to assess the predictive ability of Sediment Quality Guidelines (SQGs) for fine sediments <i>Marvin Brinke, Federal Institute of Hydrology, Germany</i>
11.30-11.50	Between floodplain soil and river bed – linking results from innovative non-invasive PCDD/F mapping to particle bound mass flux data <i>Patrick Jacobs, Tauw, Germany</i>	Stepwise approach for the derivation of sediment quality criteria at different spatial scales: case study of mercury contamination in river basins from North Spain <i>Leire Méndez Fernández, University of the Basque Country, Spain</i>
11.50-12.10	A multi-criteria approach supporting the investigation of a floodplain potentially contaminated by pesticides <i>Luca Ziliani, Ramboll Environ, Italy</i>	Sediment quality classification based on Weight of Evidence approach in the recent Italian regulation <i>Cristian Mugnai, ISPRA, Italy</i>
12.10-12.30	The effect of organic matter on shrinkage and water retention behaviour of organic dredged sediments <i>Leon van Paassen, Arizona State University, USA</i>	Evolution of the monitoring network of seaports to a consideration of European priority substances <i>Julie Droit, Cerema, France</i>
12.30-12.50	Discussion	Discussion
12.50-14.20	Lunch	Lunch



WEDNESDAY 14 JUNE 2017 - continued			
14.20-17.20	Session “Effects of remedial measures” <i>Chairperson: Pieter de Boer, SedNet SG & Ministry of Infrastructure and Environment, NL</i>	Session “Disposal of sediments at sea” <i>Chairperson: Edward Van Keer, SedNet SG & Flemish Government, Belgium</i>	14.20-17.00
14.20-14.40	Long term effect of sediment remediation - mechanisms of failure and success based on case studies <i>Arne Pettersen, Norwegian Geotechnical Institute, Norway</i>	Alternatives to aquatic placement applying regional sediment manufacturing to innovative stabilization for brownfields beneficial use. Presentation of Pneumatic Flow Tube Mixing (PFTM). <i>Eric Stern, Tipping Point Resources Group, USA</i>	14.20-14.35
14.40-15.00	Remediation of urban waterways in Flanders – the Bluegreen Network and Eeklo example <i>Goedele Vanacker, OVAM, Belgium</i>	An evaluation of 15 years lowered disposal sites at sea and a perspective to the future <i>Marco Wensveen, Port of Rotterdam Authority, NL</i>	14.35-14.50
15.00-15.20	Design of a large-scale remediation approach of a heavy polluted river - a balance between remediation, ecological value and practical limits <i>Annemie Boden, Antea Group, Belgium</i>	Metal fluxes from a sea deposit site for mine <i>Morten Schaanning, NIVA - Norwegian Institute for Water Research, Norway</i>	14.50-15.05
		Effects of the disposal of dredged sediments on river bed volumes and morphological structures <i>Speaker of the Federal Institute of Hydrology, Germany</i>	15.05-15.20
15.20-16.00	Coffee	Coffee	15.20-16.00
16.00-16.20	Mass flux and forensic assessment using PAHs: informed remediation decision making at one of Canada’s most contaminated sites <i>Tony Walker, Dalhousie University, Canada</i>	Impacts on the marine environment by long term use of a deposit site in the German Bight <i>Uwe Hentschke, Federal Institute of Hydrology, Germany</i>	16.00-16.15
16.20-16.40	Is the conservative turbidity limit the most environment-friendly approach? A review of the use of turbidity measurements in remediation projects <i>Håkon Langberg, Norwegian Geotechnical Institute, Norway</i>	The sensitivity of soft-sediment habitats to dredged material dumping <i>Gert Van Hoey, Institute for Agricultural and Fisheries Science, Belgium</i>	16.15-16.30
16.40-17.00	Capping of contaminated seabed in Norway – lessons learned <i>Jens Laugesen, Det Norske Veritas, Norway</i>	Discussion	16.30-17.00
17.00-17.20	Discussion		
17.30-19.30	Welcome reception and poster session		

THURSDAY 15 JUNE 2017

09.00-15.20	Session “Sediment Balance” <i>Chairperson: Jos Brils, SedNet SG & Deltares, NL</i>	Session “Sediment quality” <i>Chairpersons: Elena Romano, SedNet SG & ISPRA, Italy, and Benoit Ferrari, SedNet SG & EAWAG-EPFL, Switzerland</i>
09.00-09.20	Welcome and introduction to the session by session chairman, followed by Keynote presentation <i>speaker to be confirmed</i>	Sediment management for a living river - the Lahn River case <i>Alexandra Brinke, Federal Institute of Hydrology, Germany</i>
09.20-09.40	Keynote presentation - continued	Looking for an appropriate monitoring design for Water Framework Directive priority substances targeting biota <i>Marc Babut, Irstea, France</i>
09.40-10.00	Biotic impact of different sediment flushing practices in Italian alpine rivers <i>Daniele Demartini, Riverment, Italy</i>	Organic pollutants and functional properties of benthic microbial communities in coastal lagoons (River Po delta) <i>Annamaria Zoppini, IRSA-CNR, Italy</i>
10.00-10.20	Uncertainty assessment on erosion of cohesive sediment in the Upper Rhine: Implications for sediment management <i>Speaker of the Federal Institute of Hydrology, Germany</i>	Development of a quality triad assessment method for brackish sediments in Flanders <i>Kristine De Schamphelaere, University of Antwerp, Belgium</i>
10.20-11.00	Coffee	Coffee
11.00-11.20	Implications of spatial distribution of suspended sediment concentrations on reservoir management, case study Iffezheim <i>Speaker of the Federal Institute of Hydrology, Germany</i>	The use of meiofauna in freshwater sediment assessments: community responses to contamination <i>Arne Hägerbäumer, University of Bielefeld, Germany</i>
11.20-11.40	Regaining sediments: the Orba River lower reach bank erosions (NW Italy) <i>Andrea Mandarinò, University of Genova, Italy</i>	Preliminary evaluation of metal contamination in benthic fishes of the Gulf of Tigullio (north-western Italy) <i>Anna Reboa, University of Genoa, Italy</i>
11.40-12.00	Assessment of Vistula delta cone development under sediment deficit conditions (Poland) <i>Michael Märker, Pavia University, Italy</i>	Microplastic characterisation in fluvial and marine sediments: the case of the Gulf of Tigullio (north-western Italy) <i>Sara Spadoni, University of Genoa, Italy</i>
12.00-12.20	Uncertainty in complex three-dimensional sediment transport models: implications for management <i>Katherine Cronin, Deltares, NL</i>	Impact of marine traffic and dredging activities on resuspension and release of contaminants from sediments in the port of Antwerp <i>Hanne Hetjens, University of Antwerp, Belgium</i>
12.20-14.20	Lunch and poster session	Lunch and poster session

THURSDAY 15 JUNE 2017 - continued

	Session “Sediment Balance” - continued	Session “Sediment quality” - continued	
14.20-14.40	The imperative of sediment management concepts in River Basin Management Plans <i>Speaker of the Federal Institute of Hydrology, Germany</i>	Identification of the different sources of contaminants in the metal impacted Gromolo Torrent and related marine sediments <i>Sirio Consani, University of Genoa, Italy</i>	
14.40-15.00	Sediment balance disturbed: so what and what next? Wrap-up and discussion <i>Jos Brils, Deltares, NL</i>	Silver (or lead) linings? Innovative technologies to beneficially re-use legacy contaminated marine sediments <i>Hazel Vandeleur, University College London, Australia</i>	
15.00-15.20	Discussion	Discussion	
15.20-16.00	Coffee	Coffee	
16.00-18.00	Combined Session “Transboundary sediments / Innovative maintenance of river-delta-sea systems” <i>Chairperson: Henrich Röper, SedNet SG & Hamburg Port Authority, Germany</i>	Session “Climate change; PIANC and SedNet Think Climate!” <i>Chairperson: Jasmina Obhodas, SedNet SG & Ruder Boskovic Institute, Croatia</i>	16.00-18.00
16.00-16.20	Recent incident putting an international river basin under pressure - Historically high PCB-concentrations on the move <i>Ilka Carls, Ministry of Environment and Energy, Germany</i>	Duo-Keynote presentation: A quantitative assessment of human interventions and climate change on the West African Sand River <i>Miguel Toquica, World Bank, and Alessio Giardino, Deltares, NL</i>	16.00-16.30
16.20-16.40	How much suspended particulate matter enters long-term in-channel storage? <i>Speaker of the Federal Institute of Hydrology, Germany</i>	Navigating a Changing Climate: the role of sediment management in climate change mitigation and adaptation <i>Jan Brooke, Jan Brooke Environmental Consultant Ltd and Focal Point, PIANC-led Navigating a Changing Climate initiative; and Burton Suedel, U.S. Army Engineer Research and Development Center, USA</i>	16.30-17.00
16.40-17.00	Relevance of moving recent and historic upstream contaminants for Hamburgs dredging strategy and the North Sea <i>Henrich Röper, Hamburg Port Authority, Germany</i>		



THURSDAY 15 JUNE 2017 - continued			
	Combined Session “Transboundary sediments / Innovative maintenance of river-delta-sea systems” – continued	Session “Climate change; PIANC and SedNet Think Climate!” - continued	
17.00-17.20	Confined Disposal Facility Slufter: a perfect solution for contaminated sediment in Northwest Europe <i>Ronald Rutgers, Port of Rotterdam Authority, NL</i>	Contamination of sediments in the Elbe estuary and its sensitivity to climate change <i>Carmen Kleisinger, Federal Institute of Hydrology, Germany</i>	
17.20-17.40	The Living Lab for Mud: integrated sediment management based on Building with Nature concepts <i>Luca Sittoni, Ecoshape / Deltares, NL</i>	Long term hydrodynamics and sediment transport model under future climate change scenario <i>Sara Ceccon, Ramboll Environ, Italy</i>	
17.40-18.00	Discussion	The Elbe gives, the Elbe takes.... Flood events probably relocated backwater sediments <i>Susanne Heise, Hamburg University of Applied Sciences, Germany</i>	
20.00-22.30	Conference dinner in Palazzo Ducale		
FRIDAY 16 JUNE 2017			
09.30-13.10	Session “Policy for sediment management” <i>Chairperson: Goede Vanacker, SedNet SG & OVAM, Belgium</i>	Session “Using sediments as a resource – Sediments in a circular economy” <i>Chairpersons: Bruno Lemière, SedNet SG & BRGM, France, and Christelle Dere, Walloon Ministry, Belgium</i>	09.30-13.10
09.30-09.50	Sediments quality guidelines in Belgium: approach and implementation <i>Johnny Teuchies, University of Antwerp, Belgium</i>	Keynote presentation: Strategies for reusing canal sediments in the Scottish Circular Economy <i>Richard Lord, University of Strathclyde, UK</i>	09.30-10.00
09.50-10.10	Who should pay for sediment cleanup? <i>Philip Spadaro, TIG Environmental, USA</i>	Remediated marine dredged sediments as growing media for agricultural activities: first results from the Hortised project (LIFE14 ENV/IT/000113) <i>Francesca Tozzi, University of Florence, Italy</i>	10.00-10.20
10.10-10.30	Stakeholder value-linked assessment of remedial options: Portland Harbor Superfund Site Sustainability Project (PHSP) <i>Sabine Apitz, SEA Environmental Decisions Ltd., UK</i>	Let’s synergize and really start building with nature! Three examples of sediment reuse in The Netherlands <i>Chiel Lauwerijssen, Tauw Group, NL</i>	10.20-10.40

FRIDAY 16 JUNE 2017 - continued

	Session “Policy for sediment management” - continued	Session “Using sediments as a resource – Sediments in a circular economy” - continued	
10.30-10.50	Fostering sediment issues into the policy agenda: who, how and when? Fostering sediment issues into the policy agenda: who, how and when? <i>Mafalda Carapuço, IPMA - Portuguese Institute for the Ocean and Atmosphere, Portugal</i>	Water Authority Schieland and the Krimpenerwaard, NL, Preventing land subsidence: Using Sediment As a Resource (USAR) <i>Guido Verweij, HHSK - Water Authority Schieland and the Krimpenerwaard, NL</i>	10.40-11.00
10.50-11.30	Coffee	Coffee	11.00-11.30

11.30-11.50	A risk assessment evaluation to prioritize contaminated sediment sites <i>Licia Guzzella, CNR IRSA, Water Research Institute, Italy</i>	Leaching environmental assessment framework for the potential reuse of dredged sediments in concrete <i>Tristan Lecomte, IMT Lille Douai / University of Lille, France</i>
11.50-12.10	A protocol for assessing sediment toxicity in reservoirs before flushing <i>Laura Marziali, CNR IRSA, Water Research Institute, Italy</i>	BIND-AMOR: flash-calcined dredging sediments of the AMORAS mechanical dewatering plant as cement substitute <i>Jonas Marlein, Flemish Government, Belgium</i>
12.10-12.30	The Rhone Sediment Observatory: a multi-partner platform for basic and applied research on the Rhone river valley (France) <i>Olivier Radakovitch, Aix-Marseille University, France</i>	Building of a subgrade road layer based on marine sediment with experimental monitoring <i>Malo Le Guern, ESITC Caen, France</i>
12.30-12.50	Developing an evidence base for in situ contaminated sediment hazards in England <i>Ian Dennis, Royal HaskoningDHV, UK</i>	GeDSeT, understanding sediment contamination and behaviour to facilitate its reuse and contribution to the circular economy of minerals <i>Bruno Lemière, BRGM, France</i>
12.50-13.10	The development of a remediation action plan for a contaminated fjord in Norway, hosting a biological important submerged macrophyte meadow <i>Marianne Olsen, Norwegian Institute for Water Research, Norway</i>	Circular economy applications of dredged sediments: from pilot experiments towards fulfilling the needs of the economy and the society <i>Arjan Wijdeveld, Deltares, NL</i>
13.10-14.10	Lunch	

FRIDAY 16 JUNE 2017 - continued	
14.10-15.00	Plenary closing session <i>Chairperson: Marc Eisma, chairman SedNet & Port of Rotterdam Authority, NL</i>
14.10-14.45	Reporting back on conference sessions <i>by session chairpersons</i>
14.45-15.00	Policy brief / SedNet Round Table Discussion
15.00-17.30	Parallel workshops
15.15-17.30	Parallel workshops (to be confirmed during the conference): <ul style="list-style-type: none"> - Sediment quality - Sediment balance - Communication on science - Possibly more...
SATURDAY 17 JUNE 2017	
09.00-14.00	Excursion by boat to the Protected Marine Area of Portofino, including visit to the Old Monastery / San Fruttuoso, or excursion by local train (Genova-Casella) into the mountains

