

# Sed Net



8th international  
SedNet conference  
6-9 November 2013  
Lisbon, Portugal



## *Innovative Sediment Management: How to do more with less*

**Preliminary program**

Hosted and co-organised by LNEC



LABORATÓRIO NACIONAL  
DE ENGENHARIA CIVIL





## Background

Sediment management has proven to be a significant issue in European rivers, estuaries and coastal areas. This has both a quantity and a quality aspect, as prior SedNet activities have clearly shown.

Human interventions, such as river regulation, dredging, coastal and port construction and soil degradation often have large impacts on sediment supply, sediment transport and river morphology. Sediment-starved systems, particularly in coastal, lowland areas, are more vulnerable to extreme events, putting people, infrastructure and natural capital at risk. Mitigation measures may be technically feasible, but are quickly becoming too costly.

Sediment and biota in river systems have been exposed to multiple and interacting stressors for decades or even centuries. Europe has responded to the most apparent contaminants and pressures with a range of policies and measures since the 1970s. Clear improvements in water quality can be attributed to integrated river basin action plans and to the Programmes of Measures that resulted from the major and coordinated effort of the Water Framework Directive. However, improvements in sediment and longer-lived or bottom feeding biota lag behind due to storage and accumulation of contaminants, costly and laborious monitoring techniques, and also lack of sufficient legal integration of sediment management into legislation.

To sustainably manage sediments, innovative and cost-efficient approaches and solutions are needed. Sediment management, which tends to be focused only on the apparent areas of concern, comes with the challenge of avoiding measures which have only short-term and locally positive effects, whilst having unforeseen negative consequences elsewhere.

Against this background SedNet is organising its 8th international conference in Lisbon. Given the tremendous diversity of Europe's southwest coast, Lisbon is a highly appropriate venue for a conference that will pay special attention to estuarine and coastal sediment management.

## Conference Program

The conference program consists of key-note presentations and parallel lecture sessions on

- Sediments and ecosystems (and their services)
- Integrated sediment management
- Sustainable dredged material management
- Sediment quality and quantity issues
- Interaction between fluvial, estuarine and coastal sediment

Further there are Special Sessions, a Poster Session, an Excursion and ample room is available for networking and starting up new initiatives.

## Special Sessions

### *ECSA Special Session: Changing hydrodynamics of estuaries and tidal river systems*

This Special Session is organised by ECSA, the Estuarine & Coastal Sciences Association, on 'Changing hydrodynamics of estuaries and tidal river systems'.

Tidal and fluvial hydrodynamics and the interactions between these flows change in the estuarine environment over a range of time-scales (i) in response to human management interventions, e.g. tidal barrages, weirs, restoration and flood management/storage schemes and (ii) over longer time-scales associated with predicted changes to the frequency and magnitude of coastal storm surges, river discharge extremes and sea level rise. This will have impacts for: sediment (sand and mud) dynamics including the redistribution of contaminated sediment; water quality and the physico-chemical environment; and the ecological status of estuarine, tidal freshwater and lower river systems.

This Special Session will outline current knowledge and tools for understanding and predicting changing hydrodynamics in estuarine systems and explore the implications this may have for contaminant/nutrient cycling and ecological status. Gaps in knowledge and management implications over short to medium time-scales will be discussed during the session.

### *Special Session: Relationships between sediment and biota in transitional water ecosystems and harbours*

Sediment management both in transitional water ecosystems (i.e. estuaries, lagoons) and harbours represents a critical economic and ecological aspect that has to be well planned to optimize costs and effectiveness of executed actions. In particular, sediment dredging produces multiple and significant effects on biota that could be particularly relevant in ecosystems characterized both by ecological relevancies and high human pressures, including exploitations of species that have economic interest. In this context, the knowledge of factors able to affect sediment-biota interactions at different ecological scales has to be notably improved including effects due to critical events as well as dredging operations or dystrophic crisis.

This Special Session will outline current knowledge and tools for understanding principal factors controlling sediment-biota relationships in transitional water ecosystems and harbours after the occurrence of different human management actions (i.e. sediment dredging) or environmental crisis (i.e. dystrophy). This will be followed by a discussion of gaps in knowledge and future research fields on these themes.

### *ARCH Special Session: Management of multiple pressures on estuaries and lagoons in a changing climate*

Lagoons and estuaries are located at the interface between land and sea and the transition between fresh and salt water. They represent highly dynamic and productive ecosystems with a very complex structure. Multiple pressures originating from urban, industrial, agricultural, and recreational activities increase the complexity of managing lagoons and estuary systems, and there are concerns that climate change, increasing urbanisation and industrialisation will exacerbate these existing pressures.

The question arises as how best to address these pressures while minimising the environmental, economic and social vulnerabilities associated with the impacts.

These questions are central in the FP7 project ARCH (Architecture and roadmap to manage multiple pressures on lagoons).

### *Special Session on Mechanics of sediment transport / Call for Abstracts*

Appropriate management of sediments in estuarine and fluvial environments can only be achieved if suitable physically-based theoretical tools are available for end-users. Fundamental research on sediment transport, ranging from grain-scale to intermediate scales, provides adequate closures to modeling large-scale fluvial and estuarine processes. Solutions for problems related to morphological evolution of mobile beds, water quality, restoration works, flood protection measures and ecological equilibrium can thus be given adequate responses.

This Special Session aims at complementally gather researchers working on fundamental issues of sediment transport and researchers and end-users tackling engineering-scaled processes. Prolific discussions, focused on bridging the gaps in engineering knowledge on sediment transport as well as on the experience of modelers in incorporating new theories ensuing from fundamental research in their models, are expected.

Researchers working on mechanics of sediment transport in oceans, rivers or reservoir environments are invited to participate in this special session. Submitted themes may include grain-scale mechanics of sediment transport, river and estuarine morphology, suspended load, cohesive sediments, interaction with turbulence, interaction with structures or ecological considerations. Research relying on experimental methods and instrumentation such as PIV, LDV and acoustic velocimetry as well as numerical work on data production with LES/DNS/SPH and on CFD numerical solutions for engineering-scale problems are especially welcome.

**Abstracts for this Special Session** must be submitted directly to the organizers of the session (Mário J. Franca: [mario.franca@epfl.ch](mailto:mario.franca@epfl.ch), and Rui M.L. Ferreira: [ruif@civil.ist.utl.pt](mailto:ruif@civil.ist.utl.pt)), no later than **1st September 2013**. The abstract-template available from the SedNet Conference webpage should be used: <http://www.sednet.org/download/SedNet2013-Format-for-Abstract.doc>

## Working Group initiatives

Thursday 7 November afternoon will provide opportunity for new initiatives – brought forward by the network – on sediment research and management. These **Working Group meetings** may focus on any topic in the field of sediment research and sediment management. Any conference participant who would like to brainstorm with his fellow-sediment-specialists will be given the possibility to organise such a Working Group meeting. Those meetings are open for any conference participant to join and thus contribute to the discussion. The outcome of these Working Group meetings will be presented very briefly in the plenary session at the end of the conference.

The most promising Working Group initiatives may get some support from SedNet to kick-off the execution of activities that they propose.

If you have questions about this initiative or wish to reserve time and a meeting room for a Working Group during the conference, please contact the SedNet Secretariat.

A Working Group that will meet is about:

### *Strengthening the connection between science and policy for improved sediment management*

The Water Framework Directive and Marine Strategy Framework Directive provide opportunities for improved sediment management. Although these opportunities are still not generally seized, both frameworks will probably become the context for sediment management in future. Both directives are characterized by a systemic approach that will ask for integration of scientific knowledge from different disciplines, for stakeholder involvement and appreciation of local knowledge, and for integrated policies (e.g. spatial management) in new governance arrangements instead of sectoral policies that are still mainstream nowadays. The interface between science and policy is extremely important for the development of sediment management within these frameworks as it should provide the evidence base for the interventions and new management opportunities (governance approaches). Instruments for an improved connection between science and policy have been developed in several EU-projects.

A goal of this session is to find out if there is interest in the SedNet-community to start a specific SedNet Working Group on science-policy interfacing for sediments and - if yes - to draft a proposal for that Working Group.



## Posters

During the conference posters will be exposed in the coffee area near the main conference room.

At the end of the afternoon and in the early evening of 6 November 2013 a Poster Session will be held.

The best poster will be awarded with a prize.

## Exhibition

A number of display spaces is available to institutions, administrations and companies interested in presenting themselves or their products to the conference participants. Specific information about the possibilities and costs are available on the conference webpage on [www.sednet.org](http://www.sednet.org).

## Event Tour

In the morning of Saturday 9 November 2013 an excursion by boat along the Tagus estuary will be organised, to view several facilities of the Port of Lisbon, waterfront developments at Parque das Nações (including a marina designed to cope with heavy siltation), extensive intertidal flats of the Tagus estuary nature reserve in the upper estuary, hotspots of sediment contamination at former industrial locations in the middle estuary, and the historic area of Belém in the lower estuary. The detailed program of this tour will be announced in the final conference program.



# Overall Event Schedule

## Wednesday 6 November 2013

09.30-10.40	Opening session	
11.00-13.00	Sediments and ecosystems (and their services)	Sustainable dredged material management
13.00-14.00	Lunch	
14.00-17.10	Integrated sediment management	Sustainable dredged material management
17.10-20.30	Welcome reception, poster session and exhibition	

## Thursday 7 November 2013

09.00-10.30	Plenary session with keynote presentations	
11.00-13.20	Sediment quality issues	ECSA Special Session: Changing hydrodynamics of estuaries and tidal river systems
13.20-14.30	Lunch	
14.30-18.00	Parallel Special Sessions and Working Group meetings: ECSA Special Session (continued) Mechanics of sediment transport Relationships between sediment and biota in transitional water ecosystems and harbours Strengthening the connection between science and policy for improved sediment management (Working Group meeting)  And other Special Sessions or Working Group meetings brought forward by the conference participants.	
20.00-22.00	Conference dinner	

## Friday 8 November 2013

09.00-10.40	Sediment quality and quantity issues	ARCH Special Session: Management of multiple pressures on estuaries and lagoons in a changing climate
11.10-12.30	Interaction between fluvial, estuarine and coastal sediment	ARCH Special Session (continued)
12.30-13.30	Lunch	
13.30-15.30	How to proceed with sediment research and management?	
15.30-16.30	Drinks and snacks	

## Saturday 9 November 2013

09.00-13.00	Technical tour	
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# Preliminary Program

## Wednesday 6 November 2013

08.30-09.30	Registration	
09.30-09.40	Opening and welcome - Marc Eisma, Port of Rotterdam Authority / Chairman SedNet - Rafaela Matos, Head Water and Environment Unit, LNEC	
	<b>Sediment management: a Portuguese perspective</b> <b>Chairman: Marc Eisma, Port of Rotterdam Authority / Chairman SedNet</b>	
09.40-10.00	Sediment management in the context of water policies António Gonçalves-Henriques, LNEC	
10.00-10.20	Sediment research in estuaries and the coastal zone Luís Portela, LNEC	
10.20-10.40	Dredging and sediment management in the Port of Lisbon Teresa Sá-Pereira, Port of Lisbon Authority	
10.40-11.00	Coffee break	
	<b>Sediments and ecosystems (and their services)</b> <b>Chairman: Jos Brils, Deltares, the Netherlands</b>	<b>Sustainable dredged material management</b> <b>Chairman: Axel Netzband, Hamburg Port Authority, Germany</b>
11.00-11.20	Salt marshes retention capacity for carbon and nitrogen at Ria de Aveiro lagoon (Portugal) Ana Sousa, University of Aveiro, Portugal	A 'Decision Framework for Assessing Options for the Disposal and Treatment of Contaminated Dredged Material' in England and Wales Chris Vivian, Cefas, UK
11.20-11.40	Understanding dynamics of ecosystem services conservation in Pangani river basin Tanzania: prospects and constraints for payment for watershed services Makarius Lalika, Sokoine University of Agriculture, Tanzania	Achieving more with less. Lessons learned by the Oslo harbour case study, Norway Arne Pettersen, NGI, Norway
11.40-12.00	Assessment of ecosystem services in dredging and marine construction works Cor Schipper, Deltares, the Netherlands	Summary of the Phase I Removal Action in the Lower Passaic River Philip Spadaro, The Intelligence Group, USA
12.00-12.20	Sustainable sediment management in a "rigid" river basin, a port's perspective Eric de Deckere, Port of Antwerp, Belgium	Sustainable disposal of dredged material? An analysis of the Belgian situation Gert Van Hoey, ILVO, Belgium
12.20-12.40	Use of the ecosystem service approach for integrated estuarine management Kirsten Wolfstein, Hamburg Port Authority, Germany	Risk assessment & management of polluted sediments in areas with a nautical necessity - A case study from the Port of Antwerp, Belgium Agnes Heylen, Port of Antwerp, Belgium

12.40-13.00	What can ecosystem services do for you? From assessments to decisions Sabine Apitz, SEA Environmental Decisions, UK	Discussion
13.00-14.00	Lunch	Lunch
	<b>Integrated sediment management</b> <b>Chairman: Richard Eertman, Ministry of Infrastructure and Environment, the Netherlands</b>	<b>Sustainable dredged material management</b> <b>Chairman: Andrea Barbanti, InTeA s.r.l., Italy</b>
14.00-14.20	Thoughts on sediment management Axel Netzband, Hamburg Port Authority, Germany	SETARMS Project: Sustainable Environmental Treatment And Reuse of Marine Sediment Nathalie Dumay, APLM, France
14.20-14.40	A conceptual model for advancing urban sediment management: allocating limited finances to deliver a sustainable outcome Eric Stern, Battelle, USA	Novel scenarios for sustainable waterway sediments management deduced from a decision-support tool Bruno Lemièrre, BRGM, France
14.40-15.00	Usefulness and necessity of asset management and structural cooperation in sediment management Guido Ritskes, Durable Blue, the Netherlands	Successful approach to 'Keep the sediment navigable' in Port of Delfzijl Jannes Kamphuis, Groningen Seaports, the Netherlands
15.00-15.20	Sustainability strategies for habitat restoration and sediment management in the face of global climate change Richard Wenning, ENVIRON, USA	VAMORAS - Valorization of mechanically dewatered dredged sediments Liesbeth Horckmans, VITO, Belgium
15.20-15.40	Remediation as a contribution for a sustainable sediment management in the river Rhine Vera Breitung, Federal Institute of Hydrology, Germany	Re-thinking cohesive sediment dredging management; a combination of fundamental and pragmatic research Renaat De Sutter, Antea Group, Belgium
15.40-16.10	Coffee break	Coffee break
16.10-16.30	Sediment management in the Dutch Rhine: an integrated approach for navigation, safety against flooding and ecology Pol Hakstege, Ministry of Infrastructure and Environment, the Netherlands	The sustainable treatment, reuse and recycling of contaminated sediment in Porto Marghera, Venice – wet oxidation demonstration Antonino Rapisardi, 3V Green Eagle S.p.A., Italy
16.30-16.50	An example of researchers-stakeholders collaboration: the Observation network of the Loire river basin sediments ("Réseau O.S.L.A.", France) Lauren Valverde, University of Tours, France	A check on the efficiency of an air bubble screen through the use of an artificial tracer: a test in the Port of Genoa (Italy) Marco Capello, University of Genoa, Italy
16.50-17.10	Cost effective use of excess masses from a road project to improve contaminated seabed areas in the inner Oslofjord, Norway Turid Winther-Larsen, Norwegian Public Roads Administration (to be confirmed)	In situ sediment immobilization treatment: from demonstration to full-scale implementation Rebecca Gardner, Anchor QEA, USA
17.10-20.30	<b>Welcome reception, Poster Session and Exhibition</b>	

## Thursday 7 November 2013

### Plenary session with keynote presentations

Chair: **Christophe Mouvet, BRGM, France / Vice-Chairman SedNet**

09.00-09.05

Opening by session chair

09.05-09.30

The EU Blueprint for water; implications for sediment management  
Claire McCamphill, DG Environment

09.30-09.50

The Common Forum on Contaminated Land in Europe : from national policy setting to RTD needs identification  
Dominique Darmendrail, Common Forum on Contaminated Land in Europe

09.50-10.10

Towards the Sustainable Sediment Management using Sava as a showcase  
Dijana Oskoruš, Meteorological and Hydrological Service of the Republic of Croatia / Damir Bekić,  
University of Zagreb, Croatia

10.10-10.30

Risk assessment for sediment  
José Tarazona, Chair of the Committee for Risk Assessment, ECHA

10.30-11.00

Coffee break





	<p><b>Sediment quality issues</b>  <b>Chairperson: Susanne Heise, Hamburg University of Applied Sciences, Germany</b></p>	<p><b>ECSCA Special Session:</b>  <b>Changing hydrodynamics of estuaries and tidal river systems</b>  <b>Chairperson: Kate Spencer, ECSCA</b></p>
11.00-11.20	<p>The combination of chemical contamination, toxicity and in situ sediment structure is responsible for the low biodiversity of Lake Rummelsburg (Berlin)          Georg Reifferscheid, Federal Institute of Hydrology, Germany</p>	<p>Invited talk:          Impact of natural and antropogenic changes on hydro- and sediment dynamics in tidal estuaries          Henk Schuttelaars, TU Delft, the Netherlands</p>
11.20-11.40	<p>Development of an experimental method for the assessment of contaminated natural sediment          Catrina Cofalla, RWTH Aachen University, Germany</p>	<p>Invited talk (continued)</p>
11.40-12.00	<p>Nematode-related criteria for sediment quality assessment          Marvin Brinke, Federal Institute of Hydrology, Germany</p>	<p>The management of sediments near infrastructures founded on mobile beds          João Rocha, LNEC, Portugal</p>
12.00-12.20	<p>A sensitive integrated approach to assess sediment quality: application to a low contamination case study (Minho River)          Joana Raimundo, IPMA, Portugal</p>	<p>Tracking the turbidity maximum zone in the Gironde estuary (SW France) based on continuous monitoring and radionuclides          Sabine Schmidt, CNRS, France</p>
12.20-12.40	<p>Spatially-explicit bioaccumulation modeling to support human health and ecological risk assessments in a decision analytic context          Katherine von Stackelberg, E Risk Sciences, LLP, USA</p>	<p>Changing patterns and sizes of habitats influenced by human activities in the Elbe, Humber, Scheldt and Weser          Kay Hamer, University of Bremen, Germany</p>
12.40-13.00	<p>Sediment characterization of the Augusta harbour (Sicily, Italy): modern benthic foraminifera in relation to grain-size and sediment geochemistry          Elena Romano, ISPRA, Italy</p>	<p>How the tides changed in the Schelde-estuary under influence of natural changes and human interference          Yves Plancke, Flanders Hydraulics, Belgium</p>
13.00-13.20	<p>Assessment of sediment contamination in an impacted estuary: differential effects and adaptations of sentinel organisms and implications for biomonitoring          Pedro Costa, IMAR, Portugal</p>	<p>New shallow water area in Hamburg in the frame of the Tidal Elbe Concept          Manfred Meine, Hamburg Port Authority, Germany</p>
13.20-14.30	Lunch	



### Parallel Special Sessions and Working Group Initiatives

This afternoon session is dedicated to Special Sessions and meetings of new initiatives – brought forward by the network – on sediment research and management.

The new initiatives will assemble as Working Group meetings and may focus on any topic in the field of sediment research and sediment management. Any conference participant who would like to brainstorm with his fellow-sediment-specialists is given the opportunity to organise such a Working Group meeting. The meetings are open for any conference participant to join and thus contribute to the discussion. The outcome of these Working Group meetings will be presented briefly in a plenary session at the end of the conference. The most promising Working Group initiatives may get some support from SedNet to kick-off the execution of activities that they propose.

14.30-18.00

### ECSA Special Session: Changing hydrodynamics of estuaries and tidal river systems (continued)

Invited talk:  
Changing hydrodynamics and its impact on contaminant remobilisation from estuarine sediments  
Andrew Turner, University of Plymouth, UK

Followed by workshop.

### Special Session: Mechanics of sediment transport

Organisers:  
Mário J. Franca, École Polytechnique Fédérale de Lausanne, Lausanne, Switzerland  
Rui M.L. Ferreira, CEHIDRO, Instituto Superior Técnico – TULisbon, Lisbon, Portugal

This Special Session is devoted to mechanics of sediment transport in oceans, rivers or reservoir environments, including grain-scale mechanics of sediment transport, river and estuarine morphology, suspended load, cohesive sediments, interaction with turbulence, interaction with structures or ecological considerations.

*Researchers working on mechanics of sediment transport in oceans, rivers or reservoir environments are invited to participate in this special session and/or to submit an abstract for presentation directly to the organizers of the session (mario.franca@epfl.ch, ruif@civil.ist.utl.pt), no later than 1st September 2013. The abstract-template available from the SedNet Conference webpage should be used: <http://www.sednet.org/download/SedNet2013-Format-for-Abstract.doc>.*

And other Special Sessions or Working Group meetings, brought forward by the conference participants

16.15-16.45

Coffee break for all Special Sessions and Working Group meetings

20.00-22.00

Conference dinner



**Parallel Special Sessions and Working Group Initiatives**

14.30-18.00

**Special Session: Relationships between sediment and biota in transitional water ecosystems and harbours**

Organisers:  
Monia Renzi, Alberto Basset, Maurizio Pinna  
University of Salento, Italy

This Special Session will outline current knowledge and tools for understanding principal factors controlling sediment-biota relationships in transitional water ecosystems and harbours after the occurrence of different human management actions (i.e. sediment dredging) or environmental crisis (i.e. dystrophy). This will be followed by a discussion of gaps in knowledge and future research fields on these themes.

**Working Group: Strengthening the connection between science and policy for improved sediment management**

Organisers:  
Adriaan Slob, TNO, the Netherlands  
Jos Brils, Deltares, the Netherlands

The interface between science and policy is essential for the development of sediment management within European directives as it should provide the evidence base for the interventions and new management opportunities (governance approaches). Instruments for an improved connection between science and policy have been developed in several EU-projects.

A goal of this session is to find out if there is interest in the SedNet-community to start a specific SedNet Working Group on science-policy interfacing for sediments and - if yes - to draft a proposal for that Working Group.

And other Special Sessions or Working Group meetings, brought forward by the conference participants

16.15-16.45

Coffee break for all Special Sessions and Working Group meetings

20.00-22.00

Conference dinner

## Friday 8 November 2013

	<p><b>Sediment quality and quantity issues</b>  <b>Chairman: Eric de Deckere, Port of Antwerp, Belgium</b></p>	<p><b>ARCH Special Session: Management of multiple pressures on estuaries and lagoons in a changing climate</b>  <b>Chairman: Gijs Breedveld, NGI, Norway</b></p>
09.00-09.20	<p>The geochemistry of sediments at the catchment scale: the Loire basin as an example  Philippe Négrel, BRGM, France</p>	<p>Keynote presentation: Ecosystem service in transitional and marine waters  Francesca Somma, European Commission, DG JRC - Water Resources Unit (to be confirmed)</p>
09.20-09.40	<p>Multi isotope characterization (Pb-Zn-Cd-Hg) of the suspended sediments from the Loire River Basin, France  Romain Millot, BRGM, France</p>	<p>ARCH: Architecture and roadmap to manage multiple pressures on lagoons  Amy Oen, NGI, Norway</p>
09.40-10.00	<p>Occurrence and mobility of metals in sediments from mountainous catchments: a case study in the River Douro basin (Northern Portugal)  Anabela Reis, University of Trás-os-Montes e Alto Douro / University of Coimbra, Portugal</p>	<p>From four “hotspot” lagoons to pan-European lagoons management: Lessons learnt so far from the FP7 LAGOONS project  Ana Isabel Lillebø, University of Aveiro, Portugal</p>
10.00-10.20	<p>Modelling sediment supply towards, and sedimentation processes in unnavigable watercourses in Flanders, Belgium  Thomas Van Hoestenbergh, Antea Group, Belgium</p>	<p>Evolutionary resilience and adaptation to climate change in European coastal regions  Simin Davoudi, Newcastle University, UK</p>
10.20-10.40	<p>Sediment quality management in the Netherlands: measures and prevention  Marieke Prins, Rijkswaterstaat Centre for Water, Traffic &amp; Environment, NL</p>	<p>The relevance of sediments in eutrophic systems: a comparison of two European coastal lagoons (Óbidos and Lesina)  Carlos Vale, IPMA, Portugal</p>
10.40-11.10	<p>Coffee break</p>	<p>Coffee break</p>
	<p><b>Interaction between fluvial, estuarine and coastal sediment</b>  <b>Chairman: Carlos Vale, IPIMAR, Portugal</b></p>	<p><b>ARCH Special Session (continued)</b></p>
11.10-11.30	<p>Identification of residual suspended sediment pathways from annual observations of near shore currents along the east coast of England  Chris Comyn, Gardline Environmental Limited, UK</p>	<p>Ecosystem services of sediments in marine spatial planning  Ilona Kaminska, University of Gdansk, Poland and Jacek Zaucha, University of Gdansk and Maritime Institute in Gdansk, Poland</p>
11.30-11.50	<p>Model supported monitoring of SPM in the Dutch coastal zone  Katherine Cronin, Deltares, the Netherlands</p>	<p>Sea meets land  Ingela Isaksson, County Administrative Board, Västra Götaland, Sweden (to be confirmed)</p>
11.50-12.10	<p>Influence of internal versus diffuse sources on nutrients and trace elements in water: the case study of a eutrophic coastal lagoon  Patricia Pereira, IPMA, Portugal</p>	<p>Stakeholder communication on sediment issues – a waste of time? Experiences from the Elbe Estuary  Ivonne Stresius, Hamburg University of Applied Sciences, Germany</p>

12.10-12.30	Sediment and biota monitoring of an offshore dredged-material disposal site in the German Bight - Assessment by means of the OSPAR-criteria Uwe Hentschke, Federal Institute of Hydrology, Germany	Multiple pressures on the Götariver, Sweden, management by stakeholder involvement Marie Haeger-Eugensson, IVL, Sweden and Gunnel Göransson, SGI, Sweden (to be confirmed)
12.30-13.30	Lunch	
	<b>How to proceed with sediment research and management?</b> <b>Chairman: Marc Eisma, Port of Rotterdam Authority / Chairman SedNet</b>	
13.30-14.00	Wrap-up of conference sessions by session chairpersons	
14.00-14.30	Results of Working Group sessions by initiators of Working Groups	
14.30-15.00	Plenary discussion: What's new? How to proceed with sediments? Discussion leader: Christophe Mouvet, BRGM, France / Vice-Chairman SedNet	
15.00-15.15	SedNet Poster Prize 2013	
15.15-15.30	Closing and adjourn	
15.30-16.30	Drinks and snacks	
<b>Saturday 9 November 2013</b>		
09.00-13.00	Excursion by boat along the Tagus estuary to view several facilities of the Port of Lisbon, waterfront developments at Parque das Nações (including a marina designed to cope with heavy siltation), extensive intertidal flats of the Tagus estuary nature reserve in the upper estuary, hotspots of sediment contamination at former industrial locations in the middle estuary, and the historic area of Belém in the lower estuary.	



## Conference Venue

The event will be hosted at LNEC, the National Laboratory for Civil Engineering, in Lisbon, Portugal ([www.lnec.pt](http://www.lnec.pt)).  
Location: Avenida do Brasil 101, 1700-066 Lisboa. Bus: 717, 731, 744, 750, 783.  
Metro: Alvalade (900 m). GPS: 38°45'34"N, 9°08'28"W.

## Language

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

## Exhibition

Parallel to the conference an exhibition is held. Companies that are interested in participating in the exhibition can contact the organising secretarial staff at LNEC: Mr José Anacleto - e-mail [sednetlisbon@lnec.pt](mailto:sednetlisbon@lnec.pt) - for information, subscription and payment. Costs for exhibiting are 1230 Euro inclusive of VAT. Deadline for subscription to the exhibition is 11 October 2013.

## Conference Fee

Regular fee: 400 euro

Students: 100 euro

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

The fee includes admission to the whole conference programme, social (dinner) events on the evenings of 6 and 7 November 2013 and an excursion on 9 November. The fee excludes VAT.

Details about the social events and excursion will be provided in the Final Conference Program.

## Registration

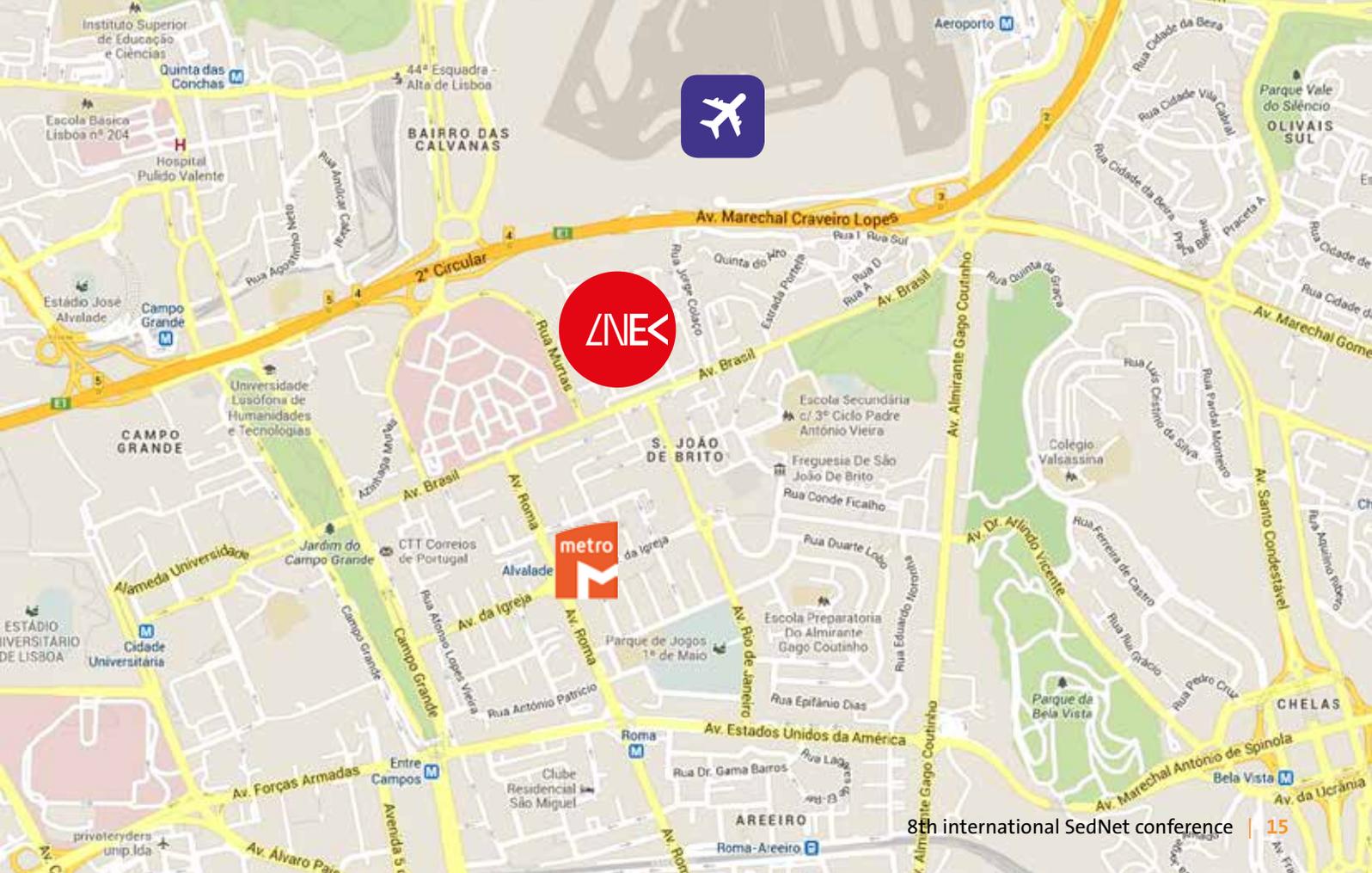
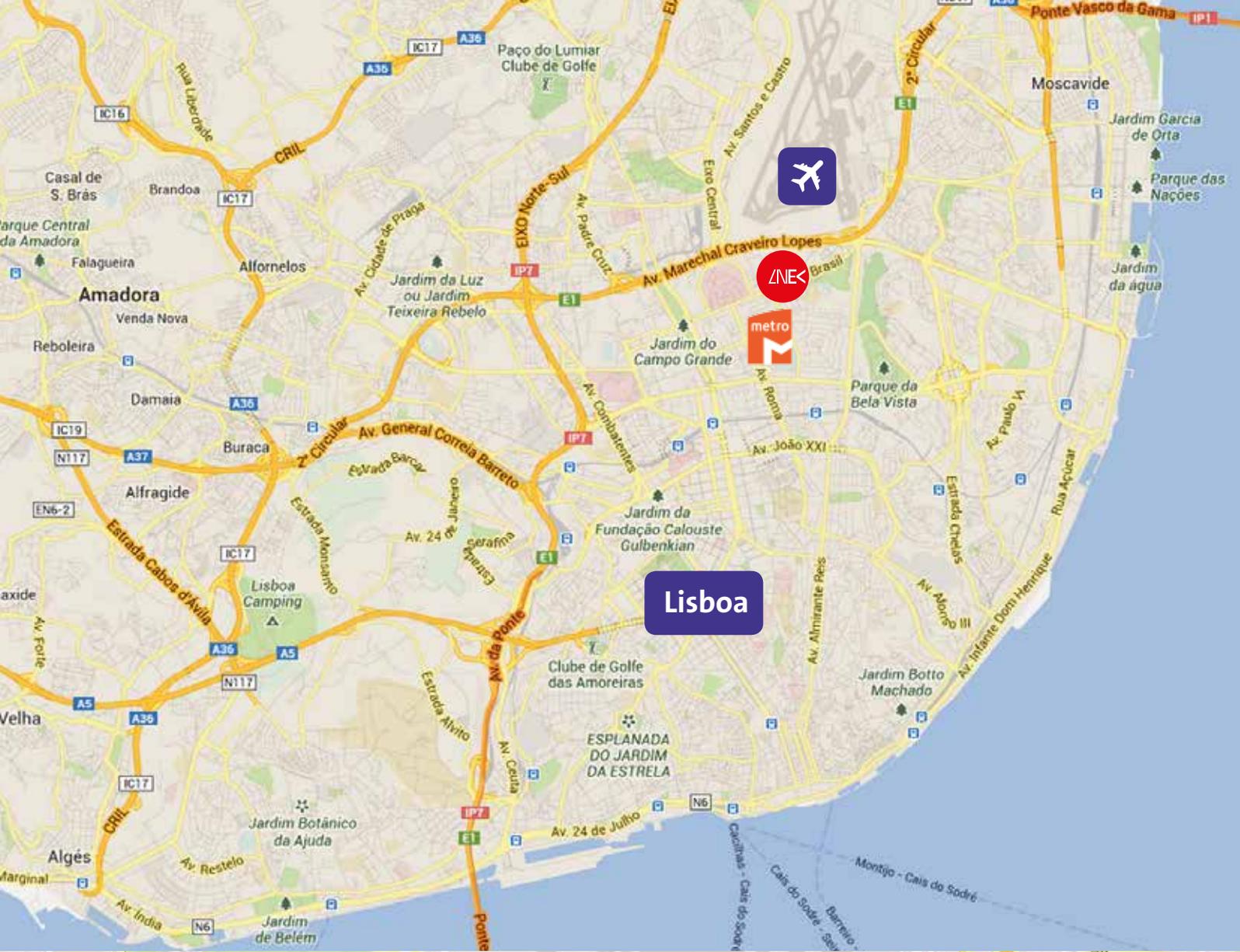
For the conference registration form see [www.sednet.org](http://www.sednet.org)

Deadline for registration is 25 October 2013.

## Hotel accommodation

Suggestions for hotels can be found on the conference webpage on [www.sednet.org](http://www.sednet.org).





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

For further information about SedNet see  
[www.sednet.org](http://www.sednet.org)