



6th International SedNet Conference on 7-8 October 2009

The Role of Sediments in Coastal Management

Venue Patriotische Gesellschaft von 1765, Trostbrücke 4-6, Hamburg, Germany
www.patriotische-gesellschaft.de

and Special Session on 9 October 2009 Managing the Elbe Estuary

Venue Hamburg Port Authority, Großer Sitzungssaal, Neuer Wandrahm 4, Hamburg
www.hamburg-port-authority.de

Final program

The issue of Sediment Management is rising on the European agenda. Sediment topics will be an element of River Basin Management Plans to be published in 2009 under the Water Framework Directive. Sediment Management is also an important part of the work of a European Working Group on Estuary Management, organised by DG Environment of the EU Commission. Furthermore, sediments are explicitly mentioned in new EU legislation, like the Directive on Environmental Quality Standards in the field of water policy, the Marine Strategy Directive, and the Waste Directive.

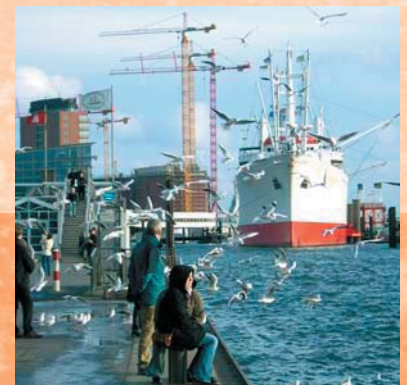
In Europe the largest amounts of sediments have to be dredged in the North Sea region, where the natural sediment regime in the sea leads to high sedimentation in ports, harbours and waterways. Additionally, sediments gain in importance due to sea level rise and loss of fine grained sediments in the Wadden Sea.

On this background SedNet organises its 6th International two-day Conference on Sediment Management in the city of Hamburg. In Hamburg ongoing river restoration challenges coincide with dredging needs and sediments play a central role. The region is a good example to discuss cross-cutting science-policy issues.

At the beginning of the conference a report will be given from the SedNet Round Table Discussion on "Implementation of sediment management issues into the first RBM Plans".

On day 3, the day after the conference, a Special Session with the title "Managing the Elbe Estuary" will cover local challenges and solutions in sediment management.

A poster session forms part of the program during 7-8 October. An award will be given for the best poster. This poster prize is sponsored by Springer and the Journal of Soils and Sediments.





Conference program

The Role of Sediments in Coastal Management

Venue Patriotische Gesellschaft von 1765, Trostbrücke 4-6, Hamburg, Germany

Wednesday 7 October 2009

12.00-13.00 Registration and lunch

Opening

- 13.00-13.15** Welcome by
- Axel Netzband, Hamburg Port Authority / chairman SedNet
 - Jens Meier, Managing Director Hamburg Port Authority

Report and Key-note presentations

Chairman: Axel Netzband, Hamburg Port Authority, Germany / chairman SedNet

- 13.15-13.45** Report from the SedNet Round Table Discussion "Implementation of sediment management issues into the first RBM Plans"
Piet den Besten, Centre for Water Management, The Netherlands
- 13.45-14.15** Natura 2000 and estuaries
François Kremer, European Commission - DG Environment, Belgium
- 14.15-14.45** Building with nature
Martin Scholten, IMARES, The Netherlands
- 14.45-15.10** Break

Conceptual Approaches

Chairman: Igor Liska, International Commission for the Protection of the Danube River

- 15.10-15.30** Assessment and management framework of sediment in Canadian waters
Susan Roe, Environment Canada
- 15.30-15.50** The US Army Corps of Engineers Regional Sediment Management Program
Jeffrey Waters, US Army Engineer Research and Development Center
- 15.50-16.10** Contaminated dredged marine sediments: Developing a Management Framework for the UK Context
Kevin Black, Partrac Ltd., UK
- 16.10-16.30** Developing a sediment management framework for WFD River Basin Planning in the UK
Susan Casper, Environment Agency, UK
- 16.30-16.50** Science, trans-science and policy: How to build a dredged material decision framework
Sabine Apitz, SEA Environmental Decisions, UK

Poster Session and Evening Program

- 16.50-17.00** Introduction to poster session and evening program.
- 17.00-18.00** Poster session with drinks/snacks-specialties from Hamburg
- 18.00** Short walk to boat
- 18.30-19.30** Boat cruise in the Port of Hamburg
- 19.30-21.30** Conference dinner in the Elbkuppelsaal of Hotel Hafen Hamburg
Seewartenstraße 9, D-20459 Hamburg, www.hotel-hafen-hamburg.de



Conference program

Thursday 8 October 2009

Management and Policy

Chairperson: *Susanne Heise, Hamburg University of Applied Sciences, Germany*

- 09.00-09.30** People's perception of natural hazards
Key-note presentation by Beate Ratter, University of Hamburg / GKSS, Germany
- 09.30-09.50** Sediment and society: assessing approaches for including stakeholder interests and contaminated sediment management
Amy Oen, Norwegian Geotechnical Institute
- 09.50-10.10** Enhancing connectivity between science and policy making: the sediment issue in the Venice lagoon
Andrea Barbanti and Eugenia Delaney, Thetis SpA, Italy
- 10.10-10.30** The EU environmental policy shift towards sustaining of ecosystem services and its possible implications for sediment management
Jos Brils, Deltares, the Netherlands
- 10.30-11.00** Break and Poster Session

Risk and Monitoring

Chairman: *Eric de Deckere, Antwerp University, Belgium*

- 11.00-11.20** Monitoring the Water Framework Directive for hydromorphology and sediments
Oscar van Dam, RPS BCC, the Netherlands
- 11.20-11.50** Chemical monitoring in the context of sediment management in estuaries
Birgit Schubert, Federal Institute of Hydrology, Germany
- 11.50-12.10** How can we improve the sediment risk assessment in the Port of Hamburg Maintenance Dredging program? - a new concept is needed
Carolin Floeter, Science and Law Consult, Germany
- 12.10-12.30** Sediments: a source of chemicals for the marine environment, in more than one way
Jos van Gils, Deltares, The Netherlands
- 12.30-13.30** Lunch

Sediment Management

Chairman: *Peter Heininger, Federal Institute of Hydrology, Germany*

- 13.30-14.00** Beneficial reuse and morphological restoration
Key-note presentation by Giovanni Cecconi, Consorzio Venezia Nuova, Italy
- 14.00-14.20** The Walsoorden pilot project: a first step in morphological management of the Western Scheldt, conciliating nature preservation and port accessibility
Yves Plancke, Flemish Government, Belgium
- 14.20-14.40** Climate change enhanced risk for mass failure of sediment into rivers - how do we manage such events?
Gunnel Göransson, Swedish Geotechnical Institute
- 14.40-15.00** Climate change and socio-economic impacts on the long term sediment balance in the Belgian part of the North Sea
Renaat De Sutter, Ghent University, Belgium
- 15.00-15.30** Break and Poster Session



Conference program

Sediment Balance and Transport

Chairman: Marc Eisma, Port of Rotterdam Authority, The Netherlands

- 15.30-15.50** The meaning of suspended sediment transport in the Elbe for the coastal area (Germany)
Kari Moshenberg, Hamburg University of Applied Sciences, Germany
- 15.50-16.10** Biological engineering - consequences for sediment stability and floc entrainment & transport
Sabine Gerbersdorf, University of Stuttgart, Germany
- 16.10-16.30** A modeling system handling the wide range of time scales involved in sediment transport processes
Benjamin Dewals, University of Liège / Fund for Scientific Research F.R.S.-FNRS, Belgium
- 16.30-16.50** Use of tracer particles - a new technique to monitor and quantify transport of contaminated sediments
Jens Laugesen, Det Norske Veritas, Norway
- 16.50-17.00** JSS Poster Prize
Susanne Heise, Hamburg University of Applied Sciences / SedNet Steering Group
- 17.00-17.10** Closing remarks, introduction to the special session on 9 October
Axel Netzband, Hamburg Port Authority, Germany

Special Session: Managing the Elbe Estuary

Venue Hamburg Port Authority, Großer Sitzungssaal, Neuer Wandrahm 4, Hamburg

Friday 9 October 2009

In the Port of Hamburg regular dredging is necessary to maintain safe water depths for navigation. In the 1980's when contamination of Elbe sediments was on a high level a comprehensive dredged material management concept was developed. Central element of the concept is land treatment and disposal of dredged contaminated Elbe sediments.

Nowadays challenges have changed. The port is situated at the upper end of the Elbe estuary, about 100 km away from the North Sea. Nature conservation objectives to preserve and enhance the precious estuary ecology are sought to be combined with needs of navigation and

water depth maintenance. Today the larger part of dredged sediments is relocated in the aquatic system. Nature conservation measures can also lead to reduction of sedimentation and thus of dredging needs.

In a Special Session "Managing the Elbe Estuary" this new concept will be explained in 4 plenary presentations. After that the land treatment and disposal facilities can be visited. Participants will see the world's largest operating dredged material treatment facility METHA. Here per year 1 million cubic meters of sediments are separated into sand and silt, after which the silt is dewatered. Finally the silt is safely stored in a special confined disposal site or is beneficially used.

- 09.00-09.10** Opening and welcome
Axel Netzband, Hamburg Port Authority
- 09.10-09.30** Challenges and Visions for the Elbe Estuary from a User's Perspective
Heinz Glindemann, Hamburg Port Authority
- 09.30-09.50** Natura 2000 - Management-Planning for the Elbe Estuary
Elisabeth Klocke, Ministry for Urban Development and Environment, Hamburg
- 09.50-10.10** Sediment Management in the Port of Hamburg
Claudia Flecken, Hamburg Port Authority
- 10.10-10.30** The Tidal Elbe – Natural Development, Sediment Management (Physical Basics), and Climate Change
Harro Heyer, Federal Waterways Engineering and Research Institute
- 10.30-10.50** Break
- 10.50-13.30** Site Visit to the METHA dredged material treatment facility and the Francop disposal site
- 13.30** End of excursion and transport to Hamburg city centre / railway station



Practical information

Venue 6th International SedNet conference on 7-8 October 2009

Patriotische Gesellschaft von 1765
Trostrücke 4-6, D-20457 Hamburg
Telephon +49 (0)40 366619
Telefax +49 (0)40 378094
www.patriotische-gesellschaft.de

Venue Special Session on 9 October 2009

Hamburg Port Authority, Großer Sitzungssaal,
Neuer Wandrahm 4, Hamburg
www.hamburg-port-authority.de

Conference dinner on 7 October 2009, from 19.30-21.30 hrs

Hotel Hafen Hamburg / Elbkuppelsaal
Seewartenstraße 9, D-20459 Hamburg
Telephon +49 (0)40 31 11 3-0
Telefax +49 (0)40 31 11 3-70 601
www.hotel-hafen-hamburg.de

Conference fee and registration

The conference fee is Euro 250 excl. VAT. The fee includes coffee/tea breaks, lunches, harbour cruise and dinner on 7 October.

Hotel accommodation

- Lindner Hotel Am Michel, Neanderstr. 20, 20459 Hamburg, roomprice Euro 111.
Booking via email info.hamburg@lindner.de (deadline for booking 10 August)
- Hotel Heimhude, Heimhuderstr. 16, 20148 Hamburg, roomprices from 80-93 Euro.
Booking via info@hotel-heimhude.de (deadline for booking 7 September)
- Hotel Michaelis Hof, Herrengraben 4, 20459 Hamburg.
Roomprice Euro 69.
Booking via info@michaelishof-hamburg.de (deadline for booking 7 September)

Please make reference to "SedNet" when booking your room.

Organisation

The event is organised by:
SedNet Steering Group see www.sednet.org

For questions and submitting your registration form

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**Sed
Net**



SedNet is the European network aimed at incorporating sediment issues and knowledge into European strategies to support the achievement of a good environmental status and to develop new tools for sediment management. Its focus is on all sediment quality and quantity issues on a river basin scale, ranging from freshwater to estuarine and marine sediments. SedNet brings together experts from science, administration and industry. 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).

For further information about SedNet see
www.sednet.org