

SEDNET E-NEWSLETTER – APRIL 2006

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Compiled by: Marjan Euser (marjan.euser@tno.nl)

Subscription Service: SedNet Secretariat (marjan.euser@tno.nl)

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SEDNET EVENTS 2006: 22-24 NOVEMBER, VENICE

The [SedNet Steer Group](#) (SG) met again on 30 March 2006 at the TU-TECH in Hamburg, Germany.

The SG agreed upon two (integrated) SedNet events to be organised on 22-24 November 2006 in Venice, Italy:

1. A round-table meeting with invited participation of top-level (helicopter view) scientists and of SedNet SG members, stakeholders and end-users on how to come to practical recommendations/guidance towards integrating sediment management in WFD River Basin Management Plans (Wednesday 22/11/06 afternoon & Thursday 23/11/06 morning).
2. A one day symposium (Friday 24/11/06), public, (invited keynote lectures, selected abstracts/presentations and abstracts/posters) on the scientific SEDIMENT key-issues at stake (i.e. setting the state-of-the-art and then defining the knowledge gaps) in the transition area between the river-basin system and the marine-system (i.e. where sediment, together with water, forms the natural connecting matrix between the WFD and the upcoming [Marine Framework Directive](#) (MFD)). This day will be kicked-off by a presentation of the outcome of the round-table.

The round-table will be preceded by the SedNet SG meeting to be held Wednesday morning 22/11/06.

The Steer Group will work out the details for these events. More information will soon be made available.

SEDNET STRATEGY DOCUMENT

A condensed version of the SedNet strategy document is now available from the website. You can find it [here](#).

SEDNET LIBRARY

Recently uploaded documents on [SedNet Library](#):

- Fine-grained sediment in river systems: environmental significance and management issues
- Part A - Executive summary and introduction (POR II)
- Part B - Heavy Metals - Present and future quality of sediments in the Rhine catchment area (POR II)
- Part C - PAHs, PCBs - present and future quality of sediments in the Rhine catchment area (POR II)
- Part D - Current and future policies and regulatory framework (POR II)
- Part E - Bioassays as tool for dredged material quality assessment (POR II)
- Part E - New substances - Substances to watch (POR II)
- Part E - TBT emissions inside the port of Rotterdam (POR II)
- Part F - Riverine inputs, sediments, dredged material and the North Sea (POR II)
- Handout Project Onderzoek Rijn II (Dutch)
- Handout Rhein-Untersuchungs-Projekt II (German)
- Handout Rhine Research Project II (English)
- Appendix part B (POR II)
- Appendix part C (POR II)
- Appendix part D (POR II)
- Factsheet Sediment management (Dutch)
- Factsheet Sediment management (English)
- Appendix Part E1 (POR II)
- Appendix Part E2 (POR II)
- Policy workshop April 2000 (POR II)
- Science workshop April 2000 (POR II)
- National action levels
- Innovation program for sediment management in The Netherlands
- Vision Document on Marine Dredged Material
- DGE part III Hazardous substances in dredged

NEXT STEP IN THE COOPERATION OF SEDNET WITH EURAQUA

On April 6 and 7, 2006 the 26th Management Board Meeting of the European Freshwater Network "Euraqua" took place in Budapest. On At this meeting, BfG has introduced SedNet to the Euraqua community and conveyed a Sednet collaboration offer including (i) mutual linking ofn websites, (ii) participation of SedNet in Euraqua activities, e.g. Euraqua's "Scientific and Technical Reviews", and (iii) the participation of Euraqua in the SedNet event (see front-page of this newsletter). The SedNnet presentation was very well received. Several Euraqua partners have shown their strong interest in collaborating with Sednet. A Euraqua working group will be established on the issue which includes (among others) the Finnish Environment Institute (Syke), the Norwegian Institute for Water Research (NIVA), the Laboratório Nacional de Engenharia Civil (LNEC, Portugal), the University of Ljubljana (Slovenia), and the Federal Institute of Hydrology (BfG, Germany). The working group is meant to be the Euraqua interface for taking up first contacts to SedNnet soon, and keeping contacts alive in a practical and efficient way.

DANUBE SEDIMENT WORKSHOP

24-25 March 2006, Budapest, Hungary

On 24 and 25 March 2006 a Danube sediment workshop was jointly organised in Budapest by SedNet and [AquaTerra](#) in cooperation with the [ICPDR](#), [UNESCO IHP/ISI](#) and [VITUKI](#) and sponsored by UNESCO.

The full title and objective of the workshop was "Towards the integrated management of the Danube sediment-soil-water-system as support to the implementation of the EU Water Framework Directive (WFD) in the Danube river-basin". Participants originated from all 13 major Danube countries and there were key-note lectures of, a.o., the ICPDR (Igor Liska) and of the [ICPR](#) (Martin Keller/[BfG](#)). A complete list of all presentations and more details about the workshop can be found

in the [workshop brochure](#).

The Danube participants committed themselves to come, before the end of 2009, to a (preliminary) sediment balance for the Danube and its main tributaries. Furthermore, they agreed on a road map on preparation of an analysis, which should reflect the current state related to sediments within the Danube River Basin including the sediment quality and their impact on the ecological status. This analysis should advise on the implementation of sediment management in the Danube WFD River Basin Management Plan. This outcome is also supported/endorsed by the representatives of the ICPDR (Igor Liska), UNESCO (Philippe Pypaert) and SedNet/AquaTerra (Jos Brils).

Contact: [Jos Brils](#) .

SEDYMO-CONFERENCE ON "SEDIMENT DYNAMIC AND POLLUTANT MOBILITY IN RIVER BASINS"

26-29 March 2006, Hamburg, Germany

This international conference on Sediment Dynamics and Pollutant Mobility in River Basins focused on the influence of geochemical, hydromechanical, and biological processes and interactions on the release of nutrients or pollutants from the sediment into the water phase. In addition to results from the German coordinated research project SEDYMO ('Fine Sediment Dynamics and Pollutant Mobility in Rivers'), a number of international key note speakers added to information exchange and discussion. Also speakers from SedNet were invited to present various aspects of river basin management, risk assessment and sediment management. Proceedings to be published in a book on sediment management in river basins. For more information, please contact [Ulrich Foerstner](#) or visit www.tu-harburg.de/ut/sedymo/.

SEDIMENT STUDIES IN THE EU-PROJECT ERAPHARM

To date, only very limited information is available on the extent of sorption of pharmaceuticals to sediments, on their persistence in sediments, and on their chronic effects to sediment organisms. Within the EU-funded research project 'Environmental risk assessment of pharmaceuticals' (ERAPharm; 1st Call, 6th Framework Programme), which aims to improve existing knowledge and practice for evaluating the environmental risks of human and veterinary pharmaceuticals, these issues are addressed.

Analytical methods have been developed to analyse selected pharmaceuticals down to the ng/g-range in sediments. Using these methods, a series of laboratory experiments has been started to investigate sorption to and degradation in sediments with different characteristics. Fate studies will be performed to determine the influence of environmental (including pH, TOC, proportion of clay, salinity, redox conditions) and chemical (e.g. H-bonding potential, hydrophobicity) variables. Effect studies are conducted with sediment-dwelling organisms representing different habitat and feeding strategies. The effects of the veterinary parasiticide ivermectin have been studied in chronic tests with the midge *Chironomus riparius* and the oligochaete *Lumbriculus variegatus*. In further studies, effects of ivermectin on the nematode *Caenorhabditis elegans* will be investigated. A sediment bioaccumulation study with *L. variegatus* and ivermectin is planned. Moreover, the toxicity of a selected human pharmaceutical to *C. riparius* will be studied.

For more information see www.erapharm.org or contact [Karen Duis](#) (effect studies) or [Thomas Ternes](#) (fate studies).

CLEANER RHINE DUE TO AGREEMENT OF PORT OF ROTTERDAM WITH THE ASSOCIATION OF THE GERMAN CHEMICAL INDUSTRY

The last five years, the German Verband der Chemischen Industrie (VCI – Association of the German Chemical Industry) has further reduced its discharges of contaminants into the Rhine. This represents an important impulse for the quality of the Rhine water and consequently the quality of the sediment in the port of Rotterdam. At present no longer the direct discharges are the most contaminating source in the Rhine. Due to the significant reduction of these discharges no more stringent reductions are required from the VCI.

This fourth agreement between both parties was signed at on the 19th of April by Pieter Struijs, the Senior Executive Vice-President of the Port of Rotterdam. With this agreement the VCI agrees to maintain its low level of discharge for its contaminants. Compared to the discharges of 1986, the year the negotiations for the first agreement started, significant reductions have been made for

Zink (86 percent), Chromium (93 percent), Copper (80 percent), Nickel (83 percent), Cadmium (88 percent), Mercury (83 percent), Arsenic (50 percent), Lead (70 percent) and the sum of organic halogens (90 percent).

VISION DOCUMENT ON MARINE DREDGED MATERIAL

The Chemical Toxicity Test (CTT) is a system for assessing the relocation of dredged material in marine waters, which was put into practice in summer 2004 by the Dutch Ministry of Transport, Public Works and Water Management. In that same period an integrated future vision of how sediment is to be dealt with in Dutch marine coastal waters was also announced. It was stated that the CTT would be evaluated, partly with a view to this future vision.

Last month this vision document has been released: "Integrated Future Vision for Marine Dredged Material". You can download it from [here](#) from the SedNet website.

INNOVATION PROGRAM FOR SEDIMENT MANAGEMENT IN THE NETHERLANDS

Within the Netherlands Directorate-General of Public Works and Water Management ('Rijkswaterstaat'), a program was started in 2003 that aims at the application of innovative concepts in the management of water and sediment. The idea behind this program is that the current maintenance of the water ways in The Netherlands may be organized to satisfaction, but are also highly expensive to continue in the future. Many known and unknown changes have to be dealt with and offer chances for innovation, such as:

- Climate change
- Increased pressure on space (on land and on water)
- Multipurpose use of water and bordering structures such as dikes
- Public perception of risks of pollution

In the theme '**Sediment**' there is a call for innovations that could lead to:

- Decreased quantities of sediments that need to be dredged for the maintenance of water ways (how to influence sedimentation patterns);
- Decreasing the quantity of sediments to special depots and initiate the production of building materials out of contaminated sludge's by techniques as cold immobilisation
- Reduction in costs for (maintenance of) shipping facilities, such as sluices, navigation equipment etc.
- Sediment as a valuable resource: focus on beneficial use of sediments (e.g. as construction material)
- Innovation in treatment technologies for dredged material
- Participation of stakeholders: cost-benefit analysis, risk perception by the public and communication
- Application of principles of sustainable development in river basin sediment management plans
- Development of legislation for the management of sediments

The following projects have been started:

- **Terps of sediment.** In this project we Rijkswaterstaat seeks for opportunities to combine dredging activities with beneficial use of sediments, even if those sediments are polluted. Knowledge on the behaviour of the contaminants, sandwich techniques for the isolation of contaminated sediment, and evaluation of risks for the environment and for human health play an important role in this pilot project. In 2005 locations for pilot projects have been selected and technical and legal requirements for the project are investigated. In the period 2006-2007 the realization of these projects is planned
- **Stimulation of sediment ripening.** Silty sediments require dewatering and ripening before material can be produced that can be used in construction works (e.g., roads). In case it is necessary to accelerate this process, certain additional treatment techniques come into focus. No decision has yet been made for starting pilot projects.
- **Stakeholder participation.** Rijkswaterstaat seeks opportunities to apply a model for active involvement of stakeholders in the process of fact finding in sediment management projects. Supported by the Dutch funding program "Leven met Water" ("Living with Water") and the theme "Sediment management" two pilot project were started in 2005.

- Statistical techniques to estimate sediment quantities. The volume of sediment that has to be dredged is an important uncertainty in the planning of dredging operations. New statistical techniques have been tested that enable more cost-effective sampling than with classical methods.
- **Sediment management plans.** Sustainable sediment management issues need to be handled from the river basin perspective. Therefore sediment management plans need to be developed in which the interests of all stakeholders are balanced and translated into clear management options. For the implementation of sediment management plans pilot projects are needed. This work is carried out within the framework of the Dutch-German Exchange on dredged material and the International commission for the protection of the Rhine (ICPR).
- **From contaminated sediment to building material.** In this project, Rijkswaterstaat is looking for opportunities to use the technique of cold immobilization for handling contaminated and / or instable sediment to a useful and certificated building material. It is the intention to use the end product in infrastructural constructions instead of putting it in special sludge depots. Geo-physical aspects and the environmental consequences of contaminated sediment after handling with the cold immobilization (CI) process play an important role in this pilot project. In 2004 and 2005 a project involving the treatment of 50,000 m³ has started up. It is the intention scaling up the production process and looking for broader use of C.I.-materials.

More information: E-mail: p.dbesten@riza.rws.minvenw.nl / www.waterinnovatiebron.nl

ESPO – European Sea Ports Organisation

The European Sea Ports Organisation (ESPO) is concerned that dredging is under-represented in the current implementation process of the Water Framework Directive and that more attention is required. Hence ESPO wants to raise more awareness of the implications of that the Water Framework Directive may have for the wider navigation sector and specifically for dredging.

Read more on [here](#).

A SEDIMENT COMMUNITY FOR THE UNITED KINGDOM: SedComUK

The recent series of EU legislation provide incentive for addressing the role of ecology and sediment management in an integrated, ecosystem based management approach. In particular the ad hoc and fragmented nature of sediment management in the UK has prompted the Environment Agency to undertake development of a "Sediment Management Framework for England and Wales".

SedComUK was founded to address such issues.

On 28-29 June 2006 SedComUK organises its First National Meeting, which is intended as a problem-formulation meeting. The event will be held at Cranfield University, UK.

On www.sednet.org you will find the meeting announcement – for more information you can also contact [Angela Colclough](#) .

SEDIMENT COURSE UNESCO

Remediation and handling of contaminated sediments is an advanced subject, that is of vital importance for the development of harbours, navigation, water management and the environment. Within the Ministry of Transport, Public Works and Water Management of the Netherlands a rich experience has been obtained during the past years on this subject. The efforts of the Ministry are implemented in the Netherlands practice by the Head Office, the Specialised Services and the Regional Directorates with full involvement of the private sector. The Specialist Services have brought their activities under the Aquatic Sediment Expert Centre (AKWA), which is specialized in all aspects of contaminated sediments.

In many countries of both the developed and the developing world, as well as in countries in transition, the issue of polluted aquatic soils is emerging and an increased need is felt to enter into cleaning programmes. For this purposes the know-how as developed in the Netherlands can be

very well exposed in a short course. Within the framework of a recently agreed MOU between the Ministry of Transport, Public Works and water Management and UNESCO-IHE, a short course of 4 days was prepared by AKWA in cooperation with UNESCO-IHE, Core Land and Water Development. The course was titled remediation and handling of contaminated sediments, and took place from August 25th until September 1st 2005.

Also in 2006 the course will be organised: from 4-8 September 2006 in Delft, the Netherlands.

Source: www.akwa.info

See also www.ihe.nl/vmp/articles/Short-Courses/SHO-RHCS.html.

FP6 COORDINATION ACTION (CA) ON RISK BASED MANAGEMENT OF RIVER BASINS

Several projects under the 4th FP6 call for proposals have been selected for [contract negotiation](#). One of them is the CA RISKBASE. This CA maybe of interest to you as it will also address sediment.

In RISKBASE, leading European scientists and representatives of major, European stakeholder groups will review and synthesise the outcome of EC RTD Framework Program projects, and other major initiatives, related to integrated risk assessment-based management of the water/sediment/soil system at the river-basin scale. The synthesis will lead to the development of integrated risk assessment-based management approaches enabling the prevention and/or reduction of the negative impacts caused by human activities on that system.

RISKBASE aims to deliver: 1) An overarching concept, generic approach and guiding principles to integrated risk based management of river basins, 2) Recommendations towards evolution and implementation of risk based management in national and community policies and towards implementation in management, and 3) A proposal for the European research agenda related to risk based management.

For that RISKBASE will organise several workshops dedicated to specific issues related to risk based management at the river-basin scale. Furthermore, RISKBASE will annually organise a General Assembly (GA) and will make use of EUGRIS as web-based information exchange structure. The workshops, GA and the website will be open to all who are interested and willing to contribute to achieve the RISKBASE goals and objectives. Thus an open, transparent and flexible structure is created ensuring the integration of all essential knowledge, expertise and experience in order to make RISKBASE a success.

The start of this 3 year project is anticipated for September 2006. For more information you may contact the proposed RISKBASE coordinator, [Jos Brils](#) (TNO, The Netherlands).

RISK MANAGEMENT TOOLS FOR PORT SECURITY AND CRITICAL INFRASTRUCTURE - NATO ADVANCED RESEARCH WORKSHOP

16–19 March 2006, Venice, Italy

Effective risk assessment and management at industrial ports and harbours require consideration of port security, which includes the protection and maintenance of critical infrastructure, emergency response planning, and the adoption of sustainable practices. The risk assessment process can provide port and governmental authorities with the appropriate tools to prioritize environmental, socioeconomic and security needs and to develop a foundation for evaluating scenarios likely to impact safety and environmental and socioeconomic sustainability. Presentations will be available [here](#) and a proceedings book will be published by NATO.

REUSED CONFERENCE "3RD EUROPEAN CONFERENCE ON CONTAMINATED SEDIMENTS"

19-21 March 2006, Budapest, Hungary

The abstracts of the papers that were presented at this conference can be found on www.reused.nl.

A newsletter describing the main outcome of the conference can also be found at the website. You can order the full conference proceedings (Euro 325/350) via: info@reused.nl.

RECENT PERIODICALS AND PUBLICATIONS

EPA's Office of Solid Waste and Emergency Response has issued the final Contaminated Sediment Remediation Guidance for Hazardous Waste Sites. The guidance is designed to assist EPA staff managing sediment sites by providing a thorough overview of methods that can be used to reduce risk caused by contaminated sediment.

See also: www.epa.gov/superfund/resources/sediment/guidance.htm

An editorial on "Managing European Sediments: Can We Expand Our Ecological Risk Assessment Paradigms?" by Dr. Sabine Apitz, president of SEA Environmental Decisions, appeared in the most recent issue of the Journal of Soils and Sediments (6-1: 2006). Download the editorial at www.scientificjournals.com/sj/jss.

Another periodical focusing on European sediments issues is The Sediment Corner, which appears in SETAC Globe. The January issue is on "Sediments and the European Marine Strategy." For more information on how to obtain it, go to: www.setac.org/htdocs/what_pubnews_globe.html

MORE SEDIMENTS NEWS

at SedWeb: www.sediments.org

from the European Rivers Network (ERN) RiverNet Newsservice:
http://www.rivernet.org/rivernews/rivernews06_111.htm

CALL FOR ABSTRACTS

"Efficient Assessment, Effective Management, Successful Remediation" will be the theme of the *Fourth International Conference on Remediation of Contaminated Sediments* (Savannah, Georgia; January 22–25, 2007). This biennial conference was held previously in Venice in 2001 and 2003 and in New Orleans in 2005. The Conference is organized and sponsored by [Battelle](#); [co-sponsors](#) are other organizations involved in sediment assessment, management, and remediation. All events during the 4-day program will be held at the [Savannah Marriott Riverfront Hotel](#). [Short courses](#) will be offered on Monday (January 22). [Exhibits](#) will open late Monday afternoon, and a welcome reception will be served. The plenary session will feature [keynote speaker Robert Ballard](#). The [technical program](#) will be conducted Tuesday through Thursday. [Abstracts submitted by the June 30 due date](#) will be considered for placement as platform and poster presentations in sessions organized and chaired by leaders in the sediment management community. In addition, several panel/roundtable discussions will provide an opportunity for invited experts and practitioners to discuss and debate some of the critical issues related to sediment assessment and management.

Information: www.battelle.org/environment/er/conferences/sedimentscon/

UPCOMING EVENTS:

2006

- **7-11 May 2006:** SETAC Europe 16th Annual Meeting, with sessions on "Chemical processes and interactions in sediments and suspended matter" and "sediment ecotoxicology: from testing methods to quality standards". Venue: the Hague, the Netherlands. <http://www.setaceumeeting.org/thehague/>
- **22-25 May 2006:** 5th Annual International Conference on Remediation of Chlorinated and Recalcitrant Compounds, Monterey, CA. Sponsored by Battelle. Preliminary program available from: <http://www.battelle.org/environment/er/conferences/chlorcon/default.stm>
- **22-26 May 2006:** International Association for Great Lakes Research Annual Conference on the theme "Great Lakes in a Changing Environment." Windsor, Ontario. <http://www.iaglr.org/conference/2006/>
- **23-24 May 2006,** Guangzhou, China. CHIDA - 2nd International Dredging Congress: Dredging and Sustainable Development. Contact: public@chida.org
- **23-25 May 2006:** 3rd Annual Symposium on Contaminated Sediments, Shizuoka, Japan,

- sponsored by ASTM International. <http://soildyn.oc.u-tokai.ac.jp/~iscs2006/>
- **25-28 June 2006**, San Diego California, USA
WEDA XXVI & Texas A&M 37th Annual Dredging Seminar
Contact: weda@comcast.net , www.westerndredging.org
 - **25-30 June 2006**: 2nd Gordon Research Conference on Permeable Sediments at Colby College in Waterville, Maine. <http://www.grc.org/programs/2006/permsed.htm>
 - **28-29 June 2006**: First National Meeting of SedComUK (the UK sediment community). This first meeting is intended as a problem-formulation meeting. It will be held at Cranfield University. For more info contact a.colclough@cranfield.ac.uk , or download the first announcement from www.sednet.org
 - **3-7 July 2006**: International symposium on Sediment dynamics and the hydromorphology of fluvial systems, Dundee, Scotland. The conference flyer (pdf format) can be retrieved from the Events section of the SedNet website.
 - **6-11 August 2006**: 8th Annual Conference on Mercury as a Global Pollutant on the theme, "Integration of Science, Policy, and Socioeconomics." Madison, Wisconsin. <http://www.mercury2006.org/>
 - **20-26 August 2006**: World Water Week, Stockholm, Sweden, <http://www.worldwaterweek.org>
 - **29-31 August 2006**: Managing Sediments in the Watershed: Bringing Dredged Material and Watershed Managers Together. Sponsored by EPA National Dredging Team and Subcommittee on Integrated Management of Ocean Resources (SIMOR). Doubletree Hotel, Portland, Oregon. <http://www.epa.gov/owow/oceans/ndt/manangingsediments.html>
 - **4-7 September 2006**: 9th International River Symposium: Managing Climate Change and Expanding Populations, Australia www.riverfestival.com.au
 - **4-8 September 2006**, UNESCO-IHE, Delft, the Netherlands. 3rd Short Course on Remediation and Handling of Contaminated Sediments.
More info c.brakel@unesco-ihe.org or p.hollanders@unesco-ihe.org ; or visit www.ihe.nl
 - **11-13 September 2006**: First European Conference on DNAPL Characterization and Remediation. Gottingen, Germany. Sponsored by Redox Technologies, Inc. <http://www.redoxtech.com/>
 - **11-13 September 2006**: Third European Conference Oxidation and Reduction Technologies for Ex-Situ Treatment of Water, Air & In-Situ Treatment of Soil & Groundwater. Gottingen, Germany. Sponsored by Redox Technologies, Inc. <http://www.redoxtech.com/>
 - **18-20 September 2006**: SETAC Asia/Europe Annual Meeting at Peking University in Beijing, China. For information, go to: http://www.setac.org/htdocs/what_meet_setac.html.
 - **25-28 September 2006**: First International Conference on DNAPL Characterization & Remediation. Pittsburgh, Pennsylvania USA. Sponsored by Redox Technologies, Inc. <http://www.redoxtech.com/>
 - **25-28 September 2006**: Twelfth International Conference on Advanced Oxidation Technologies for Treatment of Water, Air and Soil. Pittsburgh, Pennsylvania USA. Sponsored by Redox Technologies, Inc. <http://www.redoxtech.com/>
 - **26-28 September 2006**: Third International Symposium on Integrated Water Resources Management, Ruhr-University Bochum. Conference theme: "Reducing The Vulnerability of Societies Against Water Related Risks at the Basin Scale." Sponsored by the International Commission for Water Resources Systems. <http://conventus.de/water/>
 - **6-7 October 2006**: International Conference on Renewable Energies & Water Technologies (CIERTA 2006). Almeria, Spain. <http://www.emwis.org/news/display.asp?id=530>
 - **10-13 October 2006**: 12th Magdeburg seminar on protection of waters (Elbe conference). Cesky Krumlov, Czech Republic. The focus this year will be on "science, praxis and administration" and will be aimed especially at problems concerning the International Elbe River Basin (with riparian states Austria, Czech Republic, Germany and Poland) and on related problems of neighbouring areas of the International Danube and Oder River Basins under the requirements of the WFD. The conference, which this year will have a strong focus on sediment, is special in that the participation of scientists and water managers is nearly balanced. <http://www.mgs.vltava.info/>
 - **15-20 October 2006**: ECSA 41st International Conference - Measuring and Managing Changes in Estuaries and Lagoons. Venice, Italy. <http://venus.unive.it/ecsa2006/index.html>
 - **16-19 October 2006**: 22nd Annual Conference on Soils, Sediments and Water, University of Massachusetts at Amherst. Deadline for abstracts/proposals is February 8. <http://www.umasssoils.com>
 - **1 - 3 November 2006**, Morocco: CEDA African Section: Dredging Days 2006: Protection of the coastline, dredging sustainable development
Website: www.ceda-africa.com

Contact: phone: 00 212 22 95 91 42/02; E-mail: secretariat@ceda-africa.com

- **1-3 November 2006:** 3rd International Conference on the Water Resources in the Mediterranean Basin. Tripoli, Lebanon. This conference is sponsored by the Lebanese University and Lebanese Committee for Environment and Sustainable Development. <http://www.emwis.org/news/display.asp?id=580>
- **23-24 November 2006,** Venice, Italy
SedNet round table meeting on integrating sediment management in WFD River Basin Management Plans / seminar on sediments in the transition area between the river-basin and the marine system. More info from SedNet secretariat: marjan.euser@tno.nl
- **6-7 December 2006:** BodemBreed symposium (in Dutch)
One of the themes at this symposium is "How to organise sediment management". Lunteren, the Netherlands. www.symposiumbodembreed.nl

2007

- **22-25 January 2007:** 4th Annual International Conference on Remediation of Contaminated Sediments. Savannah, GA. Sponsored and organized by Battelle. The call for abstracts has been made, and submissions are due in June 2006. To request a brochure or get information about being an exhibitor or sponsor, send an e-mail to info@confgroupinc.com or call 800-783-6338. <http://www.battelle.org/sedimentscon>
- **27 May - 1 June 2007:** WODCON XVIII: Global Dredging - Congress and Exhibition Wyndham Palace Hotel, Disney World, Orlando, Florida, USA. weda@comcast.net / www.westerndredging.org
- **8-9 November 2007,** CEDA Dredging Days, Conference and Exhibition Ahoy' Rotterdam, the Netherlands. Call for Papers will be issued in the fall of 2006. Contact: ceda@dredging.org
- **7-10 May 2007:** 9th International In-Situ and On-Site Bioremediation Symposium, Baltimore, MD, sponsored and organized by Battelle. Abstracts due in summer 2006. To receive the call for abstracts, request other program information, and get information about being an exhibitor or sponsor, send an e-mail to info@confgroupinc.com or call 800-783-6338. <http://www.battelle.org/biosymp>
- **13-17 May 2007:** Coastal Sediments 2007 in New Orleans, Louisiana. Conference theme: Coastal Engineering and Science in Cascading Spatial and Temporal Scales. Deadline for receipt of abstracts is May 15. <http://www.asce.org/conferences/cs07/>

Miscellaneous workshops throughout the year on Environmental Forensics, organised by the International Society of Environmental Forensics. See www.environmentalforensics.org/ for more info.

SedNet secretariat:

Mrs. Marjan Euser
Deltares / TNO
P.O. Box 342
NL-7300 AH Apeldoorn
The Netherlands

Email marjan.euser@tno.nl