

SEDNET E-NEWSLETTER – MAY 2005

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SedNet continues!

The SedNet Steer Group (SG) met in Venice on March 23rd and 24th, 2005 to define the scope of SedNet from 2005. The SG, through its founding members (see below), succeeded to safeguard enough finances to at least maintain in 2005 a SedNet secretariat (see below), and hence the SedNet website, e-newsletter etc. The year 2005 is regarded as a transition year in which the SG seeks to extend the SG with other members who are willing to help to further structure and define the new strategy of SedNet and who are also willing to support (fund) the activities agreed upon. The SG met at San Servolo Island, which will remain the SedNet homebase.

Furthermore, also our mission remains:

To be a European network for environmentally, socially and economically viable practices of sediment management on river basin scales.

We want to be:

A network of sediment professionals (multi-stakeholders & scientists) and to be the independent platform to expert-advice on any issues related to (sustainable) sediment management challenges, positioned between science/knowledge providers and end-users/stakeholders.

Our focus is:

On sediment quality and quantity issues on a river basin scale, including: estuarine/marine sediments, the origin of sediment (soil erosion) and re-erosion of (contaminated) sediments.

Our aim is:

- To disseminate what we have produced so far, and especially our messages as summarised in the SedNet booklet "Contaminated Sediments in European River Basins" · To balance sediment research demand & supply
- To be the window on sediment issues to EC DG Environment.

SedNet events:

A SedNet workshop is foreseen for end 2005/beginning 2006 under the tentative title "Sediment: the link between the Water Framework Directive and the Marine Strategy"

Our Founding and Steer Group members are (status May 2005):

- Hamburg Port Authority, Mr Axel Netzband*
- Dutch Ministry of Transport and Public Works, Mr Piet den Besten
- TNO Built Environment and Geosciences, Mr Jos Brils
- Venice Port Authority, Mr Stefano Della Sala
- Port of Rotterdam, Mr Marc Eisma
- Technical University Hamburg-Harburg, Mrs Susanne Heise

- Cranfield University, Mr Phil Owens

* Daily management team

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Rhine Commission enthusiastic about SedNet

At May 23rd & 24th, 2005, a sediment workshop organised by the International Commission for the Protection of the Rhine (ICPR: www.iksr.de) was held in Bonn, Germany. The goal of the workshop was to collect ideas for the development of an integral strategy for a sediment management plan for the River Rhine. Scientist as well as important stakeholders from the countries along the Rhine were invited to contribute to the discussion. SedNet (represented by Jos Brils; several other SedNet members were present too) was invited to give its viewpoint on a river basin wide sediment management plan, as summarised in the SedNet booklet "[Contaminated Sediments in European River Basins](#)". A hardcopy of the booklet was made available to all participants. In his opening presentation, Dr. Fritz Holzwarth, president of the ICPR, referred several times to the SedNet work. He concluded that the preparation of a sediment management plan for the River Rhine may be used as an example for other basins in Europe and that the results may be disseminated to these basins through SedNet. The viewpoints of SedNet towards sediment management at the river basin scale met support from the participants. Some participants indicated to be willing to join the network and even consider to also financially support the network activities.

SETAC/SedNet sediment advisory group founded

On 22-26 May 2005, the Society of Environmental Toxicology and Chemistry held its 15th Annual SETAC Europe Meeting in Lille, France. With almost 1600 participants it was the largest European SETAC conference ever. The main topics that attracted this audience from academia, business and government were "Environmental fate of metals and organic pollutants", "Ecotoxicology", "Ecosystem and Human Health: Societal concerns", "Risk Assessment and Risk Management", and "Life-Cycle Assessment". So called "special symposia" that were dedicated to specific subjects addressed various aspects of pharmaceuticals in the aquatic environment, of heavy metals and organic pollutants in soils, and of marine oil spills. One special session was dedicated to "science and politics: from science to decision making" with representatives from the European Commission and international centres concerned with management and policy issues. Although more than 80 presentations in this meeting mentioned "sediment" in their titles, no session was specifically dedicated to it. Feeling the necessity to strengthen sediment issues in the perspective of European environmental management and to facilitate communication between people in Europe that work on sediment-related issues, SedNet and SETAC joined forces in the formation of a European Advisory Group on Sediments. On May 24th, this advisory group was formed with 11 steering group members that are willing to assist in facilitating exchange between research (SETAC) and application (SedNet) with regard to sediment issues and to provide a forum on conferences and workshops, for example at the next European SETAC meeting in The Hague in 2006.

SedNet at NATO sediment workshop Bratislava

At May 18th – 21st, 2005, a NATO Advanced Research Workshop on the "Assessment and Remediation of Contaminated Sediments" was held in Bratislava, Slovak Republic. The workshop was conducted by the Hazardous Substance Research Center/South & Southwest, a US EPA-sponsored university consortium that specializes in sediments-related research. The workshop's objective was to identify and exchange information between North America and Europe on key scientific issues associated with assessment and remediation of sediments. Jos Brils participated to this workshop and in the opening lecture he started by presenting the European/SedNet viewpoint on sediment and its management. The workshop presentations will in due time be made available through the USA SedWeb (www.sediments.org). Furthermore, the scientific results of this workshop will be published in a book to be issued by Springer before the end of this year. One conclusion of this workshop may be that an important driver towards river basin scale sediment

management, that is present in Europe through the Water Framework Directive, seems to be lacking in the USA. SedNet regards management at that scale as a prerequisite for sustainable sediment management.

JSS selected for coverage in ISI-Science Citation Index Expanded

The SedNet associated Journal of Soils and Sediments (JSS: <http://www.scientificjournals.com/sj/jss>) reached another milestone in its existence: As of 2005, JSS has been selected for coverage in ISI-Science Citation Index Expanded, also known as 'Web of Science'.

SedNet congratulates JSS with this great achievement!

SedNet event December 2005 / January 2006

The date for the next Sediment workshop/conference still needs to be defined. Theme of the event will be "Sediment: the link between the Water Framework Directive and the Marine Strategy". More information will be published in the next editions of our e-newsletter.

Hardcopy SedNet booklet "Contaminated Sediments in European River Basins"

The final and DESIGNED version of the SedNet booklet is available now, free of charge, as [pdf from www.sednet.org](#) including the accompanying letter on behalf of the EC DG Research, undersigned by Dr. Tilche.

Hardcopies of the booklet, including a CD-ROM with other important SedNet documents, are also available from the SedNet secretariat at Euro 20 per copy (price includes administration costs / excludes 19% V.A.T.). If you wish to order a copy, please send an email to the secretariat: marjan.euser@tno.nl

The booklet gives a general overview of scientific, policy and regulatory issues on contaminated sediments; an overview based on the results of the SedNet network activities.

The SedNet main recommendations towards European policy development, sediment management and research, respectively, are:

- Further develop and eventually integrate sustainable sediment management into the European Water Framework Directive
- Find management solutions that carefully balance social, economic and environmental values and are set within the context of the whole river system
- Improve our understanding of the relation between sediment contamination (hazard) and its actual impact to the functioning of ecosystems (ecological status) and develop strategies to assess and manage the risks involved

50% Pre-publication discount offer Elsevier-SedNet books

"Sustainable Management of Sediment Resources", a new Elsevier book series for 2005 prepared by SedNet members, based on the SedNet workshops and conferences discussions:

Vol 1: "Sediment management at the river basin scale", Editor: Dr. Philip Owens, Cranfield University, UK, E-mail: Philip.owens@bbsrc.ac.uk

Vol 2: "Sediment quality and impact assessment of pollutants", Editor: Prof. Dr. Damià Barceló, CSIC, Spain, E-mail: dbcqam@cid.csic.es

Vol 3: "Sediment and dredged material treatment", Editor: Dr. Giuseppe Bortone, Regione Emilia-Romagna, Italy, E-mail: gbortone@regione.emilia-romagna.it

Vol. 4: "Sediment risk management and communication", Editor: Dr. Susanne Heise, Technical University Hamburg-Harburg, Germany, E-mail: s.heise@tu-harburg.de

REGULAR PRICE for full set: 385 Euro

PRE-PUBLICATION offer PRICE for full set: 192.50 Euro

For further information on the volumes available or to register for this special offer, please e-mail: c.carpenter@elsevier.com

E-news service offered by SedWeb

SedNet (European focus) and SedWeb (USA focus) both offer a regular e-news service through which you, free of charge, may stay informed about latest developments in sediment research and management. If you are interested to also receive the SedWeb e-newsletter, then please send an e-mail to Mark Hodges at mark.hodges@gtri.gatech.edu. Previous issues of the SedWeb e-newsletters can be downloaded through: <http://www.sediments.org/email-update.html>

Publications

Now available: edited proceedings on sediment budgets (vol. 1 and 2) produced for an IAHS ICCE symposium co-sponsored by UNESCO, held in April 2005 - <http://www.cig.enscm.fr/~iahs/>

The U.S. Environmental Protection Agency has issued a revised draft of its most recent sediment remediation guidance (published in November 2002) that includes public comments and additional agency review. To download the publication, go to: <http://www.epa.gov/superfund/resources/sediment/guidance.htm>.

New technical introduction to sediment capping available online: a 20-page technical article, entitled "In-Situ Sediment Remediation Through Capping: Status and Research Needs." The paper can be downloaded at <http://www.hsrc-ssw.org/pdf/cap-bkgd.pdf>.

The U.S. Army Engineer Research and Development Center announces the publication of new documents on its Web site. See Dredging Operations & Environmental Research (DOER) website at <http://el.erdc.usace.army.mil/programs.cfm?Topic=doer>.

U.S. EPA has released a publication entitled "A Compendium of Chemical, Physical and Biological Methods for Assessing and Monitoring the Remediation of Contaminated Sediments Sites" (EPA 600-R-04-108). This document, prepared by EPA's Office of Research and Development, summarizes chemical, physical, and biological (toxicity and bioassessment) testing methodologies for monitoring and assessing the remediation of contaminated sediment sites. Methods are presented as fact sheets with hypertext links to access reference documents that often include the complete method description. The document primarily focuses on methods from the published literature or other citable sources used at sites to determine the effects of chemical contaminants on aquatic life and human health (April 2004, 289 pages). View or download at: <http://www.epa.gov/nerleerd/108Complete.pdf>.

Calls for papers

16th Annual West Coast Conference on Soils, Sediments and Water,
March 13-16th, 2006, San Diego, California, USA.

You are invited to submit an abstract for consideration for presentation

Deadline for submission is July 8th, 2005. Visit www.aehs.com or click the link below for complete abstract submission guidelines

[Click here to visit the conference website and view abstract submission guidelines.](#)

1st EMCO Workshop on Analysis and removal of contaminants from wastewaters for the implementation of the Water Framework Directive

October 20th-21st, 2005, Dubrovnik, Croatia

More info at <http://www.cid.csic.es/dubrovnik2005/home.htm>

Deadline for submission of abstracts: 15th September 2005

Upcoming events

- **July 19th - 22nd, 2005:**
Watershed Management Conference, "Managing Watersheds for Human and Natural Impacts: Engineering, Ecological, and Economic Challenges." Sponsored by the Environmental and Water Resources Institute (EWRI) of the American Society of Civil

- Engineers. <http://www.asce.org/conferences/watershedmanagement2005/>
- **August 28th - September 2nd, 2005:**
10th Annual International Symposium on the Interactions between Sediment and Water and the International Association for Sediment Water Science, Lake Bled, Slovenia.
<http://www.wsc.monash.edu.au/iasws/2005symposium.htm>
 - **August 29-September 1st, 2005:**
Short course on "Remediation and Handling of Contaminated Sediments, sponsored by UNESCO Institute for Water Education.
More info at www.ihe.nl/vmp/articles/short-courses/sho-rhcs.html
 - **September 4th – 8th, 2005:**
International symposium on Wetland Pollutant Dynamics and Control (WETPOL) in Gent, Belgium. More information is given on <http://biomath.ugent.be/wetpol>.
 - **September 5-8th, 2005:**
SECOTOX World Congress 2005 – organized by RECETOX, the EU DG Research Centre of Excellence for Environmental Chemistry and Ecotoxicology together with SECOTOX and FECS. More info at <http://recetox.muni.cz> or directly <http://recetox.muni.cz/coe/index.php?id=70>
 - **September 6th – 9th, 2005:**
3rd International Conference River Basin Management including all aspects of hydrology, ecology, environmental management, flood plains and wetlands, Bologna, Italy. For details about the conference objectives, topics and submission requirements:
<http://www.wessex.ac.uk/conferences/2005/rm05/index.html>
 - **September 11-14th, 2005:**
42nd Congress of the European Societies of Toxicology, Cracow, Poland.
The organisers are offering a wide range of support for the young scientists, e.g. Young Scientist Award, Young Toxicologist Fellowship. Look for the details and the conference program at www.eurotox2005.org
 - **September 12th -14th, 2005:**
Workshop in Geo-environment and Geotechnics, Milos island, Greece. Detailed information about the topics, the committees and the call for papers is available on the web site:
<http://milos.conferences.gr/geoenv2005>.
 - **September 25-28th, 2005:**
3rd Latino American Congress about Contamination and Environmental Toxicology, Cádiz, Spain. More info <http://www.uca.es/congreso/cicta2005/>
 - **October 3rd-4th, 2005:**
Workshop Trends in Ecotoxicology. Emerging Pollutants: Endocrine Disrupting Substances, Pharmaceuticals and Personal Care Products.
Organised by the Environmental Biotechnology Department, Silesian University of Technology, Gliwice, Poland. More info at <http://kbs.ise.polsl.pl/workshop-2005/>
 - **October 3rd – 7th, 2005:**
9th International FZK/TNO Conference on Soil-Water Systems, Bordeaux, France. This 9th edition is organised in co-operation with BRGM, France. For detailed information on the program of ConSoil and visit www.consoil.de/consoil/call.html. During the conference also the next plenary AquaTerra meeting will be held.
 - **October 16-21st, 2005:**
Biennial Conference on Estuarine Interactions in Norfolk, VA, USA. See also www.sgmeet.com/erf2005/default.htm
 - **October 17-20th, 2005:**
Annual International Conference on Soils, Sediments and Water. Sponsored by University of Massachusetts, USA. See also www.umasssoils.com
 - **October 20th-21st, 2005:**
1st EMCO Workshop on Analysis and removal of contaminants from wastewaters for the implementation of the Water Framework Directive, Dubrovnik, Croatia. More info at <http://www.cid.csic.es/dubrovnik2005/home.htm>.
 - **November 14-15th, 2005:**
Second "Communicating European Research" conference and exhibition in Brussels. The event will focus on the manifold aspects of science communication and will provide an excellent forum and meeting place for scientists, communication professionals and journalists. The conference will also take stock of the way towards the 7th Framework Programme. Hosted by the European Commission's Directorate General for Research.
 - **November 16-17th, 2005:**
Workshop Sediment Management in River Basins: Applications to the Water Framework Directive Implementation, organised by Manchester Metropolitan University and National Soil Resources Institute, Cranfield University, UK.
 - **March 13-16th, 2006:**
16th Annual West Coast Conference on Soils, Sediments and Water, San Diego, California, USA. Organised by the Association for Environmental Health and Sciences (AEHS). For

more info: www.aehs.com

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

International Journal of Sediment Research

IJSR is the journal of THE WORLD ASSOCIATION FOR SEDIMENTATION AND EROSION RESEARCH (WASER) and is edited by the International Research and Training Center on Erosion and Sedimentation (IRTCES).

Main topics:

- Fluvial and estuarine processes
- Mechanics of sediment transport
- Soil erosion and sediment yield in upland
- Soil conservation, including socio-economic aspects
- Advances in physical and mathematical modeling of alluvial rivers
- Recent case studies of major significance in the areas of watershed management, reservoir sedimentation, river training practice, water diversion projects, etc.
- Hyperconcentrated flows including debris flow and hydraulic transport at hyperconcentrations
- Sedimentation effects on environmental and ecological system
- Geomorphology
- Wetland and habitat

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