

## SEDNET E-NEWSLETTER – JANUARY 2008

Website: [www.SedNet.org](http://www.SedNet.org)

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Previous issues: [www.sednet.org](http://www.sednet.org)

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## 5th International SedNet Conference 27th-29th May 2008

hosted and co-organised by the Norwegian Geotechnical Institute, Oslo, Norway

### Urban Sediment Management and Port Redevelopment / Sediment in River Basin Management Plans

In September 2007 SedNet launched a Call for Abstracts for the 2008-conference.

We are very pleased to say that in the meantime we have received more than 100 abstracts.

The SedNet steering group has been busy making a selection of abstracts for oral presentation and for poster presentation. This process is almost finished and we will finalise the conference program in the next couple of weeks.

By February 2008 you will have received the conference program and information how to register.

### SedNet conference 2006 and the Journal of Soils and Sediments

A thematic issue of the Journal of Soils and Sediments (2007), vol 7, issue 5, based partly on the 4th SedNet conference of 2006 - "Linkages between the River Catchment and the Sea" - can be found at [JSS](#) (pages 273-350).

The introduction to this issue is attached.

### 4th SedNet book published

The recently published SedNet book "**Sediment Management at the River Basin Scale**" reviews some of the key requirements and challenges facing scientists, river basin managers, and policy makers for sustainable sediment management at the river basin scale, and puts forward important recommendations

This volume is also available as part of the 4-volume set, ISBN 0444519599. (Discount price for set purchase.)

Contents:

Chapter 1 - Sediment behaviour, functions and management in river basins (P.N. Owens).

Chapter 2 - Conceptual and assessment frameworks for sediment management at the river basin scale (S. White, S. Apitz).

Chapter 3 - Regulatory frameworks for sediment management (S.T. Casper).

Chapter 4 - Sediment and contaminant sources and transfers in river basins (K.G. Taylor et al.).

Chapter 5 - Decision support tools for sediment management (M. van der Perk et al.).

Chapter 6 - Costs and benefits of sediment management (A.F.L. Slob et al.).

Chapter 7 - Sediment management and stakeholder involvement (A.F.L. Slob et al.).  
Chapter 8 - Sediment management at the river basin scale (P.N. Owens et al.).

The book can be ordered via [Elsevier](#)

## 14th conference of Rhine Ministers in Bonn

Following the invitation of the German minister of environment, Mr. Sigmar Gabriel, the 14th conference of Rhine Ministers was staged in Bonn 18 October 2007 (information can be found at [IKSR](#))

One of the things that the Ministers and the Representative of the European Commission asked the International Commission for the Protection of the Rhine (ICPR) is to draft a "Holistic strategy for the Rhine sediment management" in order to reduce or avoid pollutions due to remobilised sediments jointly with all those responsible.

The conference of Rhine Ministers has pointed the way to future water protection policy along the Rhine.

The most important topics of future cross-border co-operation of Rhine Ministers are:

- Co-ordinated implementation of the EC Water Framework Directive in the international river basin of the Rhine and of the programme "Rhine 2020" in order to further develop the Rhine ecosystem; reconcile protection and use.
- Measures targeted at further improvement of water quality and of habitats for species again occurring in the Rhine and restoration of the river continuity for migratory fish.
- Recommendations for the further implementation of the Action Plan on Floods.
- Strategies adapting water management in times of low and high water level due to climate change, which have already been seen to emerge in the extreme meteorological events of the past years.

Click [here](#) to download the Communiqué of the conference.

After the conference there was an action from a couple of NGO's on different topics.

At this the Reinwater Foundation and the Port of Rotterdam Authority addressed the ICPR to implement the necessary measures to prevent future contamination of the ecosystem of the Rhine and North Sea. Reinwater Foundation and the Port of Rotterdam Authority also stated that the implementation of the Sediment Management Plan of the ICPR is an important first step to do so. With this action also SedNet was promoted, and the role SedNet can play on this issue.

(A newsitem about the event can also be found at the following website:

[www.verkeerenwaterstaat.nl/english/news/newsitems/rhineministersconference.aspx](http://www.verkeerenwaterstaat.nl/english/news/newsitems/rhineministersconference.aspx)).

## New Edition of 'Environmental Aspects of Dredging'

After two years of dedicated work by industry experts from IADC and CEDA, IADC and CEDA are happy to announce the publication of a completely revised version of Environmental Aspects of Dredging. This new and updated edition integrates the IADC-CEDA series of seven stand-alone guides.

This new single volume version (384 pages, illustrated) will be published by Taylor & Francis Publishers in January 2008. Edited by Nick Bray, it has been thoroughly rewritten and restructured, with contributions from many experts, researchers and professionals including the IADC/CEDA Editorial Advisory Board, the CEDA Environment Commission and the EuDA Environmental Committee and numerous IADC, CEDA, EADA and WEDA members.

The book treats all environmental aspects of dredging including the assessment of design effects, process effects, sampling and testing, dredged material management, international and regional legislation and case studies, and reflects recent industry advances.

Fundamental to the philosophy behind this new edition is the principle that dredging is a necessary activity in civilisation's development, but that sustainability is paramount. The authors acknowledge that dredging techniques and activities in and of themselves will always make some change in the environment and that, although dredging always seeks to improve a given situation, awareness of the

repercussions of change is essential.

Information about the content and how to order the book can be found at [http://www.dredging.org/news\\_details.asp?v0=38](http://www.dredging.org/news_details.asp?v0=38)

## CONFERENCE REPORTS

### **NATO/CCMS Pilot Study: Prevention and Remediation Issues in Selected Industrial Sectors: Sediments, Ljubljana, Slovenia, June 17-22, 2007 (EPA 542-R-07-014).**

SedNet contributed to this event with several presentations. The meeting report, consisting of a set of abstracts of the presentations at the meeting (August 2007, 56 pages) can be viewed or downloaded at: <http://clu-in.org/techpubs.htm>

### **Erosion and Torrent Control as a Factor in Sustainable River Basin Management (Belgrade, September 2007)**

Initiated by the Faculty of Forestry, Belgrade University - marking 100 years of experience with erosion and torrent control in Serbia

Organised jointly with:

- World Association of Soil and Water Conservation (WASWC)
- World Association for Sedimentation and Erosion Research (WASER)
- United Nations University (UNU)

and convened under the auspices of The International Sediment Initiative (ISI-UNESCO).

The report can be found at: <http://www.sfb.bg.ac.yu/erosion2007>

## Calls for abstracts

**Sediment sessions at the European Geosciences Union annual symposium in Vienna, Austria, 13-18 April 2008**

**The deadline for abstract submission is January 14th 2008.**

### **HS5.1 - Science for improved sediment management in river basins – organized by Phil Owens and Wolfgang Summer**

Sediment management represents an important component of river basin management. It focuses on diffusive processes, such as soil/sediment and pollutant losses from the catchment, as well as on linear transport processes in the draining river system. A wide range of relevant methodologies and modeling tools exist for describing and estimating these processes and for understanding system dynamics. Contributions should focus on: (1) the application of methodologies and models within the decision-making process to manage river basins in terms of sediment and pollutant relocation; (2) relevant measurement and monitoring techniques to develop sediment budgets and linked pollutant loads; and (3) ways to integrate environmental, economical and societal sediment functions as part of sustainable environmental management.

### **HS5.4 - Linkages between the sediment cycle and aquatic ecology: impacts of sediment and sediment-water interactions on habitats and ecosystems (co-listed in BG) – organized by Ellen Petticrew, Alison Reeves and Susana Neto**

The movement and storage of sediment within aquatic systems has the potential to alter the physical, chemical and/or biological functioning of aquatic habitats. Ecosystem response to a range of environmental changes includes changing sediment quantities and quality which can be both positive and negative given that the mineral and organic sediments transfer and provide nutrients and contaminants. For example microbial processes aid in the cycling of nutrients while organisms further up the food chain are involved in nutrient spiraling along the aquatic network. Physical and chemical conditions in the aquatic environment can generate fluxes of contaminants between sediment and water phases degrading water and habitat quality. Sediment itself can act a pollutant being both a physical barrier to inter-gravel flow or suspended in such high concentrations that habitats are unusable. As aquatic species from bacteria to fish are resident in sediment, or feed on the material, the implications for changing sediment quality and quantity on habitats and ecosystems are broad. Contributions are welcome for both large and small scale investigations of sediment-water interactions (organic and inorganic) influencing aquatic ecosystems and habitats. Approaches including field,

laboratory and modeling are welcomed.

**The deadline for abstract submission is January 14th 2008.**

More details on abstract submission can be found at: <http://meetings.copernicus.org/equ2008/>

**SETAC world congress in Sydney, Australia, 3 - 7 August 2008**

**Abstract submission deadline: 15 January 2008**

Abstracts are invited for the following proposed sediment sessions for the 5th SETAC world congress in Sydney, Australia:

- 10.1 Assessment and remediation of contaminated sediments
- 10.2 Sediment TIEs
- 10.3 Sediment ecotoxicology
- 10.4 Sediment chemistry
- 10.5 Sediment quality standards
- 10.6 Bioavailability of organic contaminants in soil and sediments

**Abstract submission deadline: 15 January 2008**

Speaker registration deadline: 30 May 2008

More details can be found at <http://www.setac2008.com/>

**REUSED - 5th European Conference on Contaminated Sediments  
"Reuse of Waterways and Remediation of Sediments"**

**14-16 May, 2008, London, UK**

**Deadline for abstract submission is February 1st, 2008**

Paper Categories:

- European & national political views, policies and legislation
- International co-operation
- National and regional consequences for the European Water Framework Directive
- Innovative approach to contaminated (dredging) processing problems
- Processes to re-use contaminated sludge
- Product & applications & case stories
- Research programmes, results and outlooks

Paper proposals can be submitted by E-mail to [info@reused.nl](mailto:info@reused.nl)

The conference brochure and pre-registration form can be downloaded from the <http://www.reused.nl/>

CHR UNESCO ISI workshop on Erosion, Transport and Deposition of Sediments, 28-30 April 2008  
Bern, Switzerland

The workshop is organised by the International Commission for the Hydrology of the Rhine basin (CHR) in cooperation with UNESCO ISI, the German IHP/HWRP Secretariat and the Swiss Federal Office for the Environment. Participants are encouraged to present their work in the field of sediment management in poster form. Participation to the workshop is limited to approximately 60 persons. Deadline for registration is 1 February 2008 or earlier if the maximum number of participants is exceeded.

**If you intend to present a poster, we would like to ask you to submit an extended abstract (max. 2 pages) of this poster before 15 April 2008.** All abstracts of oral and poster presentations will be bundled in a book of abstracts and handed out to the participants at the beginning of the workshop.

Further information on the workshop, the programme and the participants list have been and will be regularly updated on the CHR website <http://www.chr-khr.org/> If you have any additional questions, don't hesitate to contact either the CHR secretariat or a member of the organising committee.

## Upcoming events

**17-22 February 2008:** 11th International Symposium on the Interactions between Sediments and Water, Australia. [www.iasws.org/](http://www.iasws.org/)

**13-18 April 2008 :** several sediment sessions at the European Geosciences Union annual symposium in Vienna, Austria. [meetings.copernicus.org/egu2008/](http://meetings.copernicus.org/egu2008/)

**28-30 April 2008 :** CHR UNESCO ISI workshop on Erosion, Transport and Deposition of Sediments, Bern, Switzerland. [www.chr-khr.org/](http://www.chr-khr.org/)

**14-16 May 2008 :** REUSED – 5th European Conference on Contaminated Sediments in London, UK. “Reuse of Waterways and Remediation of Sediments”. [www.reused.nl](http://www.reused.nl)

**27-29 May 2008:** 5th International SedNet Conference, hosted and co-organised by the Norwegian Geotechnical Institute, Oslo, Norway. Urban Sediment Management and Port Redevelopment / Sediment in River Basin Management Plans. Call for Abstracts: see <http://www.sednet.org>

**16-21 June 2008:** 4th International Conference on River Restoration, Venice – Italy. Organised by the European Centre for River Restoration More info at <http://www.ecrr.org/conf08.htm>

**7-10 July 2008:** International Congress on Environmental Modelling and Software in Barcelona, Spain, with a session on “Integrated Catchment Management: How can modelling tools and techniques help?”  
More information at <http://www.iemss.org/iemss2008/>

**10-12 July 2008:** International Symposium on Sediment Management, Lille – France. More information at <http://www.augc.asso.fr/userdoc/annoncelille.pdf>

**17-22 February 2008:** 11th International Symposium on the Interactions between Sediments and Water, Australia. <http://www.iasws.org/>

**3-7 August 2008:** SETAC World Congress, Sydney, Australia. <http://www.setac2008.com/>

**8-12 September 2008 :** 8th International Conference on Hydro-Science and Engineering (ICHE-2008), Japan. <http://www.iche2008.info/>

**1-3 October 2008:** CEDA Dredging Days 2008: Dredging Facing Sustainability, Antwerp, Belgium. <http://www.dredgingdays.org/>

**15-17 November 2008 :** International Conference on Hydrology and Climate Change in Mountainous Areas, Nepal. <http://www.soham.org.np/>

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