

SEDNET E-NEWSLETTER – JULY / AUGUST 2005

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New SedNet supporter

Germany shares major river basins, such as the Rhine, Elbe, Danube, and Oder with other European countries. Waterways play a key role in ensuring Germany's attractiveness as a business location. 46 million m³ have to be dredged annually to maintain them. As a densely populated industrialized country in Germany most of the available land has been developed for economic and social utilization. Pristine countryside has become a valuable resource. Due to historical contamination the sediment quality in some rivers could be too poor to achieve the desired 'good status'. The European Water Framework Directive (WFD) pursues the aim to achieve a good ecological and chemical status in the surface waters of European river basins by the year 2015. The implementation of the WFD will result in a shift in the scope of water management from local scale to river basin scale. As a consequence, sediment and dredged material management needs to be integrated into river basin management plans required by the WFD. It is a matter of fact that European water managers become increasingly aware of the pollution of river beds as a cross-border problem.

The Federal Institute of Hydrology (BfG) is the scientific institute of the German Federal Government for research, assessment, and consulting in the fields of hydrology, water-resources management, ecology, and water conservation. It acts as consultant for the Federal Government and in particular for the Ministry of Transport, Building and Housing (BMVBW) and for the Ministry for the Environment, Nature Conservation and Nuclear Safety, (BMU). The Institute monitors the scientific progress and analyses experiences gathered in Germany and abroad and participates in the activities of pertinent national and international organisations and bodies. The BfG hosts the Secretariat of the German National Committee for UNESCO's International Hydrological Programme (IHP) and WMO's Operational Hydrology Programme (OHP). Furthermore, the BfG is a member of the European Network of Freshwater Research Organisations (EurAqua), which aims to contribute substantially to the development of European freshwater science and its dissemination on a European scale, and specialists of the BfG contribute actively to the work of several International River Commissions. Two of the main tasks of the BfG comprise (i) identifying and solving conflicts of interests between the transportation function of Waterways, on the one hand, and water-resources management and ecology, on the other and (ii) monitoring of the water quality in transboundary rivers and coastal waters. Sediments have been in the focus of the BfG's work since more than 20 years.

Between 2002-2004, SedNet has focussed on understanding river-system functioning and how to manage contaminated sediment and dredged material in a sustainable way (cf. ?Strategy Paper?; www.SedNet.org). The main recommendations resulting from the SedNet activities were directed towards (i) EU policy development; (ii) sustainable sediment management as part of river-basin

management plans; (iii) specific management solutions, e.g. for restoration or treatment; (iv) sediment monitoring under the WFD; (v) research needs.

Considering (i) the challenges Germany and its European partners face in terms of sediment management, (ii) the BfG experience and expertise, and (iii) the role of SedNet as a European network for environmentally, socially and economically viable practices of sediment management on river basin scales it is logically consistent for the BfG to support SedNet. Commissioned by the Federal Ministry for the Environment, Nature Conservation and Nuclear Safety, therefore, the BfG joined the SedNet Steering Group.

Contact: Peter Heininger (heininger@bafg.de; www.bafg.de)

SedNet on the agenda at the European Seaports Organisation (ESPO)

At the 28th of June, during the Environment Committee of ESPO, Marc Eisma from the Port of Rotterdam (SedNet Steering Group member) gave a presentation on SedNet. The outcomes and with that the booklet "Contaminated Sediments in European River Basins" were presented. Important for ports is the recommended integration of sustainable sediment management into the Water Framework Directive and to find solutions that carefully balance the socio-economic and environmental values and that are set within the context of the whole river system. Keeping in mind the difficulties of dredging activities and the implementation of the WFD, the outcome of SedNet could provide some guidance in this matter. Mr. Eisma informed the ESPO members that they can join and support this network. Most ports already were involved in the different working groups of SedNet and are very supportive of the network.

Other items on the agenda in relation to SedNet were the differences in interpretation of the Landfill Directive for dredged material in different countries and the European Waste Directive in relation to dredged material handling.

UK developments regarding sediments and soils

Recently, there have been some exciting developments regarding sediments and soils in the UK. Cranfield University have submitted an application for a network on sediments (see text below on SedComUK by Sue White) which will hopefully provide a platform for networking between scientists, end-users and policy-makers. In addition, authorities such as the Environment Agency (EA) and the Department for Environment, Food and Rural Affairs (DEFRA) have recognised the important role that sediments play in river catchments and are developing "expert groups" made up of EA and DEFRA staff and expert scientists to help identify priority areas and to direct research themes and agendas. There are also several existing projects and some forthcoming projects funded by DEFRA, EA and the UK Research Councils that are concerned specifically with soil (including soil erosion and delivery) and sediments in rivers. There will also be a workshop on "Sediment management in river catchments" to be held in Manchester on 16-17th November 2005 aimed specifically at end-users and policy-makers. A new book entitled "Soil Erosion and Sediment Redistribution in River Catchments: Measurement, Modelling and Management" is also to be published in a few months time. It is very clear that sediment issues are slowly but surely moving up the UK political agenda. For further details on the above, please contact Phil Owens (philip.owens@bbsrc.ac.uk).

SedComUK

A proposal has been submitted to the UK Engineering and Physical Sciences Research Council for a UK Sediment Network grant. This is a follow on action from SedNet, allowing sediment practitioners, regulators and researchers in the UK to meet and discuss issues associated with sediment management, applied research, effective transfer of research into practice and new collaborations. A decision on funding will be made in autumn 2005. For further details contact the project coordinators: Prof. Sue White (sue.white@cranfield.ac.uk) and Dr Sabine Apitz (drsea@cvrl.org).

Read more section added to the Sednet Website

We wish to draw your attention to the new webpage on which you will find various links to interesting publications in the field of sediment management.

EC FP6 asks for Co-ordinated Action on risk-based river-basin management

The launch for the last call for proposals under EC RTD FP6 (July 19th, 2005) was already announced in our last email to you (August 1st, 2005). Details to be found at: http://fp6.cordis.lu/fp6/call_details.cfm?CALL_ID=211

Related to sediment management, amongst others, topic II.2.1 is highly interesting as it addresses ?Integrated risk-based management of the water-sediment-soil system at river-basin scale?. It aims at the ?development of integrated risk assessment-based management approaches contributing to the production of services for the prevention and/or reduction of the negative impacts caused by human activities on the water/sediment/soil system?.

Through the former SedNet coordinator (Jos Brils, jos.brils@tno.nl), SedNet supports a consortium that is now preparing a proposal for a Co-ordinated Action (CA) addressing this topic. The deadline for submission of the CA proposal is November 3rd, 2005.

The SeKT Joint Research Project: Definition of Reference Conditions, Control Sediments and Toxicity Thresholds for Limnic Sediment Contact Tests

In current biotest approaches, intact organisms or in vitro systems are exposed to sediments using different exposure scenarios. The most important issue in sediment toxicity testing protocols is the question which test phase - solid or liquid - should be used. Whole-sediment exposure protocols represent the most realistic scenario to simulate in situ exposure conditions in the laboratory. However, until now there is no agreement in how to acquire and to evaluate the data of the various available sediment contact assays. Therefore, in Germany the SeKT joint research project (German: SedimentKontaktTests) was initiated, supported by the German Federal Ministry of Education and Research (BMBF; PT Forschungszentrum Karlsruhe, No. 02WU0598). The SeKT consortium consists of seven partners who are representatives of the German Federal Institute of Hydrology (coordination; contact: Dr. Ute Feiler, feiler@bafg.de), of two universities and of four SMEs.

The studies of the forthcoming joint research project aim to improve the interpretability and applicability of sediment contact tests for the quality assessment of a wide range of different sediments by addressing reference conditions, control sediments, and toxicity thresholds for limnic sediment contact tests. In seven subprojects a set of recently developed assays are applied that use test organisms of different trophic levels, inhabiting the various microhabitats within freshwater sediments: bacteria (*Arthrobacter globiformis*), fungi (*Saccharomyces cerevisiae*), nematodes (*Caenorhabditis elegans*), oligochaetes (*Lumbriculus variegatus*; toxicity and bioaccumulation), fish (*Danio rerio*), and higher plants (*Myriophyllum aquaticum*).

Further information: Environ Sci & Poll Res 12 (5) 257-258 (2005)
DOI: <http://dx.doi.org/10.1065/espr2005.08.003>

SedNet participation in Interreg project Watersketch

In 2004, the INTERREG project "Watersketch" started as a cooperation of partners from the Baltic Sea Region: Denmark, Germany, Finland, Lithuania and Poland. This project intends to develop strategies for a successful river basin management and to provide best-practice tools on an international basis. Hereby sediment issues will play an important part in some case studies, such as the Hamburg-Elbe-case. The final deliverable will be a manual, which will be an aid to decision-making in the fields of spatial planning, water course protection and sustainable use of river basins.

As part of the project, a workshop has been organized at the TU Tech Innovation GmbH in cooperation with the Technical University Hamburg Harburg on June 30th on ?The role of the WFD for river basin planning to achieve sustainable use of watercourses? in which also several SedNet members participated (Ulrich Foerstner, Jos Brils, Wolfgang Calmano, Susanne Heise). The minutes can be downloaded from the Watersketch homepage <http://www.watersketch.net/en/>.

Integrated Project investigating the Impact of Environmental Pollutants on Aquatic Ecosystems started (MODELKEY)

MODELKEY (Models for Assessing and Forecasting the Impact of Environmental Key Pollutants on Marine and Freshwater Ecosystems and Biodiversity) started as a new Integrated Project of the EC 6th Framework Programme. The project aims at providing experimental and modelling tools for the analysis and prediction of effects, exposure and risks of chemical contamination in aquatic ecosystems on the basis of reliable cause-effect relationships as a basis for improved decision making that helps to achieve a good ecological status in European water bodies as demanded by the Water Framework Directive till 2015. 25 partner institutes in 13 European countries combine their efforts, organised in 7 subprojects and three case studies focusing on the river basins of the Elbe in the Czech Republic and Germany, the Scheldt in Belgium, the Netherlands and France and the Llobregat in Spain.

The final products offer environmental researchers and managers:

- identification of effect-based key toxicants in freshwater and marine ecosystems (subproject KEYTOX)
- a central database for monitoring data (subproject BASIN)
- assessment and prediction of exposure on a river basin scale (subproject EXPO)
- diagnostic, predictive and mechanistic tools for effect prediction on population, communities and ecosystems (subproject EFFECT)
- thorough analysis of exposure and effects in biofilms, invertebrate and fish communities (subproject SITE)
- risk indexes and a decision support system to assist authorities and policy makers in making effective and efficient decisions improving the ecological quality (subproject DECIS)

The coordinator of the project is Dr. Werner Brack from the Centre for Environmental Research Leipzig-Halle (werner.brack@ufz.de).

For more information, please check out the project website at <http://www.modelkey.org> or download the project newsletter from <http://www.modelkey.org/index.php?en=5636>. If you would like to stay informed about MODELKEY and receive its newsletter in future, please just send an e-mail to Michaela Hein at michaela.hein@ufz.de.

Water Information System for Europe

The first edition of the WISE Newsletter, replacing the WFD Newsletter, is now available on-line at http://europa.eu.int/comm/environment/water/pdf/wise_june_2005.pdf

SETAC Pellston book on TIE/TRE now available!

In 1977, the US Congress passed the Clean Water Act, an amendment to the 1972 Federal Water Pollution Control Act, to focus on the control of the discharge of toxic pollutants into US waters. As a result, U.S. regulatory agencies adopted guidance and policies to incorporate WET monitoring and limitation. Discharges found or predicted toxic to aquatic life by this monitoring were required to be resolved often through the toxicity reduction evaluation (TRE) process with toxicity identification evaluation (TIE) acting as a series of characterization steps that could be used as part of the broader TRE to identify the causes of observed effects. These tools were initially described by the USEPA in the 1990s, but few compendia of updated techniques or knowledge gained were easily accessible.

Almost 25 years after the Clean Water Act established a framework for effluent toxicity control, SETAC invited North American and European participants representing universities; government, research, and regulatory agencies; mining and chemical industries; and consulting services to a Pellston Workshop on TRE/TIE to update and advance the understanding of the TRE process and the science of TIE in aqueous effluents, surface water, and sediments. While the goal of the workshop was to document the various aspects of the TRE process with specific attention directed to TIE procedures, what resulted was this comprehensive guide to TRE/TIE, detailing procedures and including more than 30 case studies describing various aspects of the process. This thorough reference will help chemists, toxicologists, regulators, and regulated facilities build on existing knowledge and strategies for successful design and management of TREs and TIEs.

Teresa J. Norberg-King, Larry W. Ausley, Dennis T. Burton, William L. Goodfellow, Jeffrey L. Miller,

William T. Waller (Eds.). 2005. Toxicity Reduction and Toxicity Identification Evaluations for Effluents, Ambient Waters, and Other Aqueous Media. SETAC Press, ISBN 1-880611-64-3, SB02-18, 496 pp.

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Calls for papers

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

SEDYMO Joint Project and Symposium
BMBF Coordinated Research Project SEDYMO (2002-2006)
Remediation methodology as well as the preceding risk assessment of contaminated sediments has to be seen in the context of sustainable sediment management and the holistic river-basin approach of the EU Water Framework Directive (WFD). Both for establishing sediment-related quality objectives and for developing technical problem solutions a set of practical process knowledge is needed that uses a wide range of simulation techniques as well as models in different spatial and temporal scales. The coordinated research program SEDYMO comprising 13 subprojects is funded by the German Federal Ministry of Education and Research (BMBF) since May 2002 (<http://www.tu-harburg.de/ut/sedymo>).

On March 26 to 29, 2006, an international Symposium on Sediment Dynamics and Pollutant Mobility in River Basins will be held at Hamburg University of Technology (TUHH). The symposium program comprising 10 overview lectures, 30 oral presentations and 3 poster sessions presents the basic information on interacting hydromechanical, geochemical and biological processes (day 1 and 2) and its role in the river-basin wide risk assessment and remediation approach, as designed by the Demand-Driven European Sediment Research Network (SedNet; day 3). SedNet overviews will be presented by Wim Salomons on European River Basins, Marc Babut on Sediment Risk Assessment and Jos Brils on Sediment Perspectives (preliminary programme: <http://www.scientificjournals.com/sj/jss/pdf/ald/7593>).

Authors are asked to submit a 1 page abstract in English for oral or poster presentation until October 31, 2005 (www.tutech.de/sedymo). For oral presentation on day 2 and day 3, preference will be given to contributions including hydraulic and river basin aspects, respectively. Peer reviewed selected contributions from this symposium will be published in a book by Springer.

Upcoming events

SedNet sediment management knowledge dissemination at Genoa International Summer School September 8-10 and September 12-14, 2005, Genoa, Italy

Several SedNet core team members participate as lecturers at two sediment management oriented International Summer Schools held at the Magazzini dell'Abbondanza in Genoa, Italy, in September 2005. The first one is held at September 8-10 and addresses 'Innovative approaches to the management and physical & chemical remediation of contaminated sediments?'. The second one is held the week thereafter at September 12-14 and addresses 'Biomonitoring, bioavailability and microbial transformation of pollutants in sediments and approaches to stimulate their biodegradation?'. The summer school represents a preliminary attempt to cover the lack in European University programmes of information and formation on modern and efficient management approaches of contaminated sediments. Participants to the school are selected young European and US scientists and engineers as well as professionals. Both schools are organised by Prof. Fabio Fava (Fabio.Fava@unibo.it, University Bologna) and Prof. Pietro Canepa (secanepa@chimica.unige.it, University of Genoa & INCA vice-president).

Lecturing SedNet core team members are (in chronological sequence): Jos Brils (sediment management in Europe & ecotoxicological assessment of sediment), Eric Stern (sediment management & assessment in the USA), Pol Hakstege (dredged material management & beneficial use), Kay Hamer (sediment treatment & assessment of treatment products) and Joop Harmsen

(biodegradation & phyto-remediation of dredged material).

**European workshop on heavy metal contaminated marine sediments
October 13-14, 2005, Bremen, Germany**

At the Max Planck Institute for Marine Microbiology the research project TREAD was carried out under the European Commissions Fifth Framework Program. This project was funded to set out new standards for the management of contaminated sediments based on scientific results.

To bring together scientists, harbor managers, and dredging organizations/companies a European workshop on heavy metal contaminated, marine sediments will be held at October 13th to 14th 2005 in Bremen, Germany. With this conference new insights on the effect of heavy metals on benthic processes and new measuring tools will be presented and the consequences for future sediment management strategies will be discussed between scientists and stakeholders.

**CEDA Dredging Days 2005 - Dredging: The Extremes
November 2-4, 2005, Ahoy, Rotterdam, the Netherlands**

Conference and Exhibition in conjunction with Europort Maritime 2005,
November 1-5, 2005, Ahoy, Rotterdam

Conference highlights:

25 high-quality peer-reviewed papers on 'Dredging: The extremes' in seven technical sessions. Poster displays.

- Keynote speech by John Verschelden, APM's vice president of government and regulatory affairs on the importance of dredging to the evolution of worldwide trade.
- Dredging exhibition staged next to the conference room, with 16 exhibition stands. There is room for one more booth. Contact the [CEDA Secretariat](#) right now if you wish to take it. To see the list of exhibitors, click [here](#).
- Free entrance to Europort Maritime 2005 the biggest ever maritime and inland shipping exhibition in the Netherlands.
- Technical visit to the Slufter and port tour on a boat with drinks and light snacks.
- Attractive programme for spouses and friends.
- CEDA Netherlands Reception.

For details and updates visit the conference website at:
<http://www.dredging.org/DD2005/index.html>

Click [here](#) to register.

Be aware of the cut-off dates for the conference hotels:

22 August for the Bilderberg Parkhotel (4*) and 19 September for the NH Atlanta Hotel (4*) and the Maritime Hotel (3*). To take advantage of the special conference rate book your room through Hotel Service Rotterdam: Tel. +31 (0)10 414 7314; Fax +31 (0)10 214 0108; E-mail:

reservations@hotelservicerotterdam.nl;

Web: www.hotelservicerotterdam.nl/cedadredgingdays2005. When reserving your room please refer to 'CEDA Dredging Days'.

**Elbe River Basin symposium
November 10, 2005, Leipzig, Germany**

The Elbe as an international river basin with parts in the Czech republic and in Germany was a badly polluted river in the past, and even though water quality has improved a lot over the last years, contaminated sediments still present a major challenge to decision makers and river basin planners. A large number of projects focused on different aspects of the Elbe River and these - for the first time - will be presented during a German symposium in Leipzig, Germany, on November 10, 2005 ("Umweltbezogene nationale und internationale Forschungsaktivität im Flusseinzugsgebiet der Elbe"), organized by the Technical University Hamburg-Harburg and the UFZ Leipzig in Cooperation the Federal Institute of Hydrology, BfG, Koblenz.

Conference on the administrative and scientific implications of the WFD for the Elbe River Basin

November 8-9, 2005, Germany

Preceding the above mentioned symposium, the Federal Institute of Hydrology in cooperation with the International Commission for the Protection of the Elbe (IKSE) and the "Flussgebietsgemeinschaft Elbe" FGG-Elbe, organizes a two-days conference (held in German and possibly Czech) on administrative and scientific implications for the Elbe River basin when the next implementation steps of the WFD will be considered. Information can be downloaded at <http://elise.bafg.de/?7220>.

More events

2005

- **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 29th - 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 5th-6th, 2005:**
SETAC UK Conference in Newcastle: Chronic and Diffuse Pollution. Further info at: <http://www.setacuk2005.ncl.ac.uk/themes.htm>
- **September 5th - 7th, 2005:**
International Conference on Port-Maritime Development and Innovation, Rotterdam, the Netherlands. For further info:
<http://www.portofrotterdam.com/news/UK/conference/conference.asp?lng=UK>
- **September 5th-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 11th-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 16th, 2005:**
Advanced Sediment Conference, in Seattle, Washington, organized by the Environmental Law Education Center.
Contents: Evaluation, Management, Treatment & Disposal CERCLA, MTCA, Clean Water Act, Endangered Species Act Timely Legal Issues Construction Phase of the Project Case Studies Including: Duwamish River, Commencement Bay & Portland Harbor Superfund Sites Technical Solutions and Practical Advice. More info at www.elecenter.com
- **September 17th-18th, 2005:**
Yearly meeting of the Rhine-College in Basel, Switzerland, www.rheinkolleg.de.
- **September 22nd-23rd, 2005:**
International Seminar on European Project Development Energy and Environment, Malta. See www.eucenter.org/training/training_malta.php
- **September 25th-28th, 2005:**
3rd Latino American Congress about Contamination and Environmental Toxicology, Cáceres, Spain. More info <http://www.uca.es/congreso/cicta2005/>
- **September 26th-29th, 2005:**

Workshop Decision Support Systems for the Integration of Bioavailability in Ecological Risk Assessment: results from three European projects.

The first two days will be devoted to discussing new data from the European projects LIBERATION, ABACUS and ERA-MANIA, followed by a 2-day national meeting. The conference will include both theoretical and discussion presentations as well as data analysis related to the ACNA megasite, one of the Europe's largest former chemical plants, situated in northern Italy.

For information contact Nic Pacini (kilapacini@hotmail.com), John Jensen (jj@dmu.dk) or John Parsons (jparsons@science.uva.nl).

- **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 13th-14th, 2005:**
European workshop on heavy metal contaminated, marine sediments, Bremen, Germany. More info at <http://www.mpi-bremen.de/en/TREAD.html>.
- **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
- **November 2nd-4th, 2005:**
CEDA Dredging Days: Dredging, the extremes, Ahoy Rotterdam, the Netherlands. See <http://www.dredging.org/DD2005/index.html>
- **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 8th-9th, 2005:**
Conference on the administrative and scientific implications of the WFD for the Elbe River basin (in German). More info <http://elise.bafg.de/?7220>
- **November 10th, 2005:**
Symposium about the results of several (inter)national research activities in the Elbe river basin, Leipzig, Germany (in German). For more info please contact s.heise@tu-harburg.de
- **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.

2006

- **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
- **March 26th-29th, 2006:**
Symposium on Sediment Dynamics and Pollutant Mobility in River Basins at the Hamburg University of Technology, Germany.
Preliminary programme: <http://www.scientificjournals.com/sj/jss/pdf/ald/7593>
- **July 3rd-7th, 2006:**
Dundee, Scotland. International symposium on Sediment dynamics and the hydromorphology of fluvial systems.
- Miscellaneous workshops throughout the year on Environmental Forensics, organised by the International Society of Environmental Forensics. See www.environmentalforensics.org

for more info.

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