

## Who we are

This document describes who SedNet is. It subsequently describes how we regard sediment and its management and it describes our identity, mission, focus, aims, activities and our organization.

### Objectives

#### Sediment and its management

Sediment is an essential, integral and dynamic part of our river basins, estuaries and seas. Where human activities interfere with sediment quantity or quality, sediment management may become necessary. Effective and sustainable sediment management requires a holistic approach taking into account:

- System understanding;
- Integrated management of soil, water and sediment;
- Transboundary cooperation;
- Upstream-downstream interrelationships; and
- Stakeholder involvement.

#### Identity

In our network, we bring together sediment professionals from science, administration, management, NGOs, consultancy and industry. We interact with various networks and organizations (see appendix), especially in Europe, that operate at national or international level and focus on sediment, soil and water and in fields such as science, policy making, management, industry, education etc. We welcome anyone to share and cooperate according to our vision.

#### Mission

Our mission is to be a leading European network aimed at incorporating sediment issues and knowledge into relevant European and national policies (see picture) in order to support the achievement of good environmental status and to develop and facilitate the implementation of new tools for sediment management.

#### Focus

We focus on all sediment quality and quantity issues – and their impact on ecosystem functioning – ranging from freshwater, at local to river basin scale, to estuarine and marine sediments.

#### Aims

We aim to:

- Contribute to the further development of a holistic understanding of sediments and their management;
- Be a multidisciplinary platform for communication and education about sediment management and the needs for future action (either in policy making, management or research);

- Be the main contact / information point for the European Commission on sediment related questions in relation to sediment related European policies (see picture).

## Activities

We initiate, support and/or organize several activities, such as:

- **Conferences** in which we bring together sediment experts from science, management, industry and consultancy.
- **Workshops** on special topics, such as Round Table discussions on River Basin Sediment Management. In these workshops invited experts participate. The outcome is published on our website and through relevant media.
- **Written position and policy statements** on special topics after internal consultation within the network.
- **E-newsletter** about sediment related activities, publications, etc. The whole SedNet community is invited to provide input. We aim to produce four electronic newsletters annually.
- **Website ([www.sednet.org](http://www.sednet.org))** which is our main information platform. It provides a data base containing all kinds of information about sediment related topics as well as all SedNet documents. The whole SedNet community is invited to provide input.
- **Training courses:** we are open to cooperate with, and support anyone who organizes training or education courses that support our vision.

## Organization

SedNet is an open network. Any individual who is professionally occupied with sediment can participate in the SedNet activities. Participation is a personal responsibility and encompasses that you share and (co)operate according to the SedNet vision on sediment and its management. If you want to stay informed about SedNet activities, then please send an email to the SedNet secretariat.

A Steering Group and a Secretariat support SedNet's work. Steering Group members are individuals from administration, science, authorities, consultancy, etc. Some of these institutions and companies financially support the network (see Appendix A).

SedNet cooperates with several other networks and organizations (see Appendix B).

## Cooperation

The idea behind the cooperation with others is to join forces and capabilities in order to assist each other in achieving common goals/objectives. However, this will only work if there is no conflicting mission, vision and ambition. Under that condition, cooperation on a 'case-by-case' basis can also be considered.

## Appendix A

### *SedNet supporting organisations and Steering Group members*



Port of Rotterdam Authority  
Marc Eisma (*Chairman SedNet Steering Group*)



Hamburg Port Authority  
Henrich Röper



ISPRA, Italian National Institute for Environmental  
Protection and Research  
Antonella Ausili and Elena Romano



CORILA  
Andrea Barbanti



IDAEA-CSIC  
Damià Barceló



Norwegian Geotechnical Institute (NGI)  
Gijs Breedveld



Deltares  
Jos Brils and Katherine Cronin



Dutch Ministry of Infrastructure and Environment  
Richard Eertman and Pieter de Boer



Who we are – November 2014



Federal Institute of Hydrology (BfG)  
Peter Heininger



Hamburg University of Applied Sciences  
Susanne Heise



Port Authority Antwerp  
Agnes Heylen and Eric de Deckere



International Commission for the Protection of the  
Danube River (ICPDR)  
Igor Liska



BRGM  
Christophe Mouvet and Philippe Négrel



University of Novi Sad  
Ivana Teodorovic



Ecotox Centre Eawag  
Carmen Casado and Benoît Ferrari



IPMA - Portuguese Institute of Sea and  
Atmosphere  
Carlos Vale



Flemish Government, Dept. Mobility and Public  
Works  
Astrid Van Vosselen



Who we are – November 2014



OVAM, Public Waste Agency of Flanders  
Goedele Vanacker



University of Natural Resources and Applied Life  
Sciences, Vienna (BOKU)  
Helmut Habersack and Marlene Haimann



Rothamsted Research - North Wyke  
Adrian Collins



SEDILAB by cd2e  
Samira Brakni



GeoEcoMar  
Adrian Stanica

## Appendix B

### *Cooperating networks or organizations*

#### **CEDA**

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

The Central Dredging Association, CEDA, is an independent, non-profit, non-governmental, professional society. It provides a forum for all those involved in activities related to dredging and who live or work in Europe, Africa or the Middle-East. CEDA encompasses a wide range of disciplines and activities and does not represent the interests of any particular industry sector. CEDA is a member of the World Organisation of Dredging Associations, WODA ([www.woda.org](http://www.woda.org)).

#### **Common Forum**

Website: [www.commonforum.eu](http://www.commonforum.eu)

The general objectives of Common Forum are to develop strategies for the management and treatment of contaminated sites and for land recycling with respect to “sustainable resource protection” for contaminated land and groundwater. Common Forum holds regular meetings to discuss important and current issues in these fields. When possible, common views are developed and expertise is offered to the European Commission, relevant stakeholder networks and European Union research projects. Many Common Forum members participate in stakeholder groups in European Union research projects or participate in discussions at workshops where results of European Union projects are presented.

The publication of the European Union thematic strategy for the protection of soil by the European Commission in 2002 marked the transition towards a more formal European Union policy. As most Common Forum members need to advise their Ministers in the European Union Soil policy discussion, an exchange of technical arguments and information on political positions is very informative even if they lead to different national conclusions.

Common Forum intends to continue to provide this “mutual professional support” by:

- being a platform for exchange of knowledge and experiences,
- establishing a discussion platform on policy, research, technical and managerial concepts of contaminated land,
- being a platform for initiating and following-up of international projects among members,
- offering an exchange of expertise to the European Commission and to European networks.

#### **DGE**

DGE started as an informal bilateral platform between Germany and The Netherlands at administration level (Dutch-German Exchange). The main objective is the exchange of knowledge, information and experience in the field of dredged material management. Since its beginnings in 1999, several meetings have been organized, in which subjects such as legislation, risk assessment and dredged material treatment were discussed. The results of

these discussions have been put down in thematic reports which can be downloaded from the SedNet website. Since 2005 DGE has been extended to DGE+ with new member countries UK, France, Belgium, and Denmark.

## **ECSA**

Website: [www.ecsa-news.org](http://www.ecsa-news.org)

The Estuarine & Coastal Sciences Association is an international organisation dedicated to the study of all aspects of estuarine and coastal marine science, and also the application of science for conservation and environmental management. Although the traditional focus of ECSA lies in Europe, activities, interests and membership now extend to many other global regions. ECSA has been involved in the organization of nearly 50 conferences to date, averaging one or more major events each year. Conferences have been held worldwide with future events planned for South Africa, China and various locations across Europe. ECSA has also supported many local meetings concerning individual estuaries or coastal areas, and occasionally arranges scientific workshops. ECSA has an associated international journal Estuarine and Coastal Shelf Science and also supports the production of a variety of other scientific publications including a Bulletin for members, with two issues each year. ESCA is the successor to the Estuarine and Brackish-Water Sciences Association which was founded in 1971. ECSA is a registered charity.

## **ESPO**

Website: [www.espo.be](http://www.espo.be)

The mission of the European Sea Ports Organisation, ESPO, is to influence public policy in the EU to achieve a safe, efficient and environmentally sustainable European port sector, operating as a key element of a transport industry where free and undistorted market conditions prevail, as far as practicable.

## **EurAqua**

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

Euraqua is the European network of Freshwater Research Organisations. The aim of this network is to contribute to the development of European freshwater science and its dissemination on a European scale. Thus it has a significant input on the development of the scientific basis of European water management. The EurAqua Partner institutions are leading, generally governmental, freshwater research institutions in the Member States of the European Union plus Norway and Switzerland.

## **EuroGeoSurveys**

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

EuroGeoSurveys is an organisation of 32 European Geological Surveys. Their statutory aims are to address European issues, to promote contribution of geosciences to EU affairs, to assist EU to obtain technical advice and to provide a network between the geological surveys.

EuroGeoSurveys aims at providing the European Institutions with expert, neutral, balanced and practical pan-European advice and information as an aid to problem-solving, policy, regulatory and programme formulation in areas such as:

- the use and the management of on- and off-shore natural resources related to the subsurface of the Earth, (energy, including the renewable geothermal energy; minerals and water, soils, underground space and land);
- the identification of natural hazards of geological origin, their monitoring and the mitigation of their impacts (deficit or excess of trace elements in soils and waters, earthquakes, natural emissions of hazardous gases, landslides and rockfalls, land heave and subsidence, shrinking and swelling clays;
- environmental management, waste management and disposal; land-use planning;
- sustainable urban development and safe construction;
- e- government and the access to geoscientific metadata and data;
- the development of interoperable and harmonised geoscientific data at the European scale.

The portal of EuroGeoSurveys provides an access to geoscientific metadata, information and knowledge at European and national scales, following the links in the thematic pages. It also presents information on EuroGeoSurveys its activities and the Member Organizations.

## LOICZ

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

Land-Ocean Interaction in the Coastal Zone, LOICZ, seeks to inform the scientific community, policymakers, managers and stakeholders on the relevance of global environmental change in the coastal zone. The LOICZ Project Office is based at the Royal Netherlands Institute for Sea Research in the Netherlands. LOICZ is a core project of the International Geosphere Biosphere Programme (IGBP) and the International Human Dimensions Programme on Global Environmental Change (IHDP). The International Council for Science (ICSU) is the scientific sponsor of the four international global environmental change programmes IGBP, IHDP, World Climate Research Programme (WCRP) and DIVERSITAS (An international programme of biodiversity science). The LOICZ Project has run for more than 13 years (1992-2005) and is scheduled to run until 2012. The new Science Plan and Implementation Strategy for LOICZ have been ratified by IGBP and IHDP and are available through the LOICZ website.

## NORMAN

Website: [www.norman-network.net](http://www.norman-network.net)

The Network of reference laboratories for monitoring of emerging environmental pollutants NORMAN started its activities in September 2005 with the financial support of the European Commission and it is now established as a permanent self-sustaining network, of reference laboratories, research centres and related organisations for the monitoring and bio-monitoring of emerging environmental substances.

The NORMAN mission is to:

- enhance the exchange of information and collection of data on emerging environmental substances;
- encourage the validation and harmonisation of common measurement methods and monitoring tools so that the demands of risk assessors can be better met;
- ensure that knowledge on emerging pollutants is maintained and developed by stimulating coordinated, interdisciplinary projects on collaborative, problem-oriented research and knowledge transfer to address identified needs.



NORMAN operates via the organisation of a number of activities, including expert group meetings, workshops, databases and methods validation exercises.

## PIANC

Website: <http://pianc.org/>

PIANC, the world association for waterborne transport infrastructure, is a worldwide non-political and non-profit making technical and scientific organization of private individuals, corporations and national governments. PIANC's objective is to promote the maintenance and operation of both inland and maritime navigation by fostering progress in the planning, design, construction, improvement, maintenance and operation of inland and maritime waterways and ports and of coastal areas for general use in industrialized and industrializing countries. Facilities for fisheries, sport and recreational navigation are included in PIANC's activities. PIANC was founded in 1885 and is the oldest international association concerned with these technical aspects of navigation. It has made - and continues to make - a vital contribution to technical development in this field.

## River Basin Commissions

Website: several

The catchment areas of several important European rivers fall within the territories of more than one country. International Commissions were established by the countries along these rivers and by the European Commission to jointly ensure the sustainable and equitable use of waters and freshwater resources in the transboundary river basins. To date SedNet already co-operates with the International Commissions for the Protection of the Rhine ([www.iksr.org](http://www.iksr.org)), the Elbe ([www.ikse.de](http://www.ikse.de)), the Danube ([www.icpdr.org](http://www.icpdr.org)), and the Oder ([www.mkoo.pl](http://www.mkoo.pl)).

## SETAC-SEDAG

Website: <http://www.setac.org/node/35>

The Society of Environmental Toxicology and Chemistry, SETAC, is a nonprofit, worldwide professional society comprised of individuals and institutions engaged in: 1) the study, analysis, and solution of environmental problems; 2) the management and regulation of natural resources; 3) environmental education and 4) research and development.

SETAC's mission is to support the development of principles and practices for protection, enhancement and management of sustainable environmental quality and ecosystem integrity. SETAC promotes the advancement and application of scientific research related to contaminants and other stressors in the environment, education in the environmental sciences, and the use of science in environmental policy and decision-making.

The scope of SETAC's Sediment Advisory Group (SEDAG) comprises environmental aspects of quantity and quality of sediments, both as deposits and as suspended matter in freshwater, estuarine and marine environments. Scientific coverage of SEDAG includes all fields pertinent to conducting effective environmental risk assessment and management of sediment, including issues such as transport, fate, exposure, effect, impact analysis, guideline values and frameworks (regulations), and management strategies. Where necessary, the adjoining compartments like soil, water, groundwater, air will be considered and contacts with advisory groups like the established SETAC Soil Advisory Group will be established. SEDAG, through its broad membership, will aim for cooperation and exchange with international sediment-



related organizations such as the European Sediment Network “SedNet”, the Sediment Management Work Group, the Sediment Remediation Technology Development Forum, providing a strong link to application.

The mission of the SETAC SEDAG:

SEDAG exists to serve as a scientific resource to all stakeholders interested in the topic of sediments in the environment, and fulfills the following mission and purpose:

- Serve as a focal point within SETAC as a means of involving the membership in research and discussions.
- Stimulate critical assessment in order to establish the best available science.
- Encourage the worldwide incorporation of the best available science and strategic approaches.
- Advance overall understanding of the fate, effects, and potential environmental consequences of contaminated, altered or redistributed sediments.
- Provide scientific support to facilitate effective regulatory decision making.
- Provide a neutral forum and focal point for collaborative identification, evaluation, and resolution of scientific issues.
- Provide a forum for organizing sessions at annual meetings and organizing workshops to address scientific issues associated with the assessment and management of contaminated sediments.
- Provide a mechanism to publish journal articles and books associated with the assessment and management of sediments.

The steering committee is querying potential members of the SEDAG to help establish priorities for first activities of the SEDAG. The SEDAG will likely meet at the fall meetings of SETAC NA and at the spring meetings of SETAC Europe.

## UNESCO ISI

Website: <http://www.irtces.org/isi/>

The International Sediment Initiative (ISI) is expected to add a new dimension to ongoing efforts aiming at sustainable sediment management, in the context of sustainable water resources development at global scale. Hence, its mission directly relates to the commitments of the international community expressed in major documents such as the Millennium Development Goals, the Rio Declaration of Sustainable Development, the World Water Assessment Programme, World Water Development Reports, etc. By its activity, the International Sediment Initiative aims to uphold the importance of sustainable sediment management within the context of the two United Nations decades which have set-up in 2005: the 'Water for Life Decade' and the 'Decade for Education for Sustainable Development'. With direct access to stakeholders represented in the IHP National Committees and the Intergovernmental Council, ISI should be viewed as a vehicle to advance sediment management at the global scale.

Through international cooperation in the area of erosion and sediment management, ISI aims to:

- Strengthen, at global level, awareness about the importance of erosion and sediment processes and their impacts.
- Promote exchange of information on relevant data, monitoring and management methods, including the use of global environmental observation systems.
- Foster cooperation in erosion and sediment-related research and education.