

Sed Net



**9th International SedNet Conference
23-26 September 2015 Krakow Poland**

**Solving societal challenges;
working with sediments**

First Announcement and Call for Abstracts

Hosted and co-organized by
Faculty of Geology, Geophysics and
Environmental Protection
AGH University of Science and Technology



AGH

AGH UNIVERSITY OF SCIENCE
AND TECHNOLOGY



Background

Sediments and society – what is the connection?
Sediments – unseen or unnoticed most of the time – have a variety of impacts on human activities and vice versa, particularly along rivers. If the river is used for shipping, too much sediment may become an obstacle. The foundations of bridges may become unstable if too little sediment is available, creating a safety risk. After flooding, sediments are distributed over flood plains and with increased construction in natural flood plains these sediments add to the clean-up efforts and may become a health issue if contaminated. Even more dangerous are the mud and debris flows that can occur during larger floods.

Our aquatic resources are linked to sediment with its many and sometimes conflicting ecosystem services: recycling of nutrients, providing habitats for fish, adsorbing pollutants... But different ecosystem services are accompanied by different interests. How to deal along a watershed with too much or too little sediment? What to do about contaminated sediment that is mobile and may be taken downstream with the next flood? Or what about the contamination that stays in place but affects the local ecology and regional communities? Does contaminated mean “dangerous”? What is “too much” or “enough” sediment in a river and does it justify e.g. dredging or sand exploitation or are there alternatives?



Different countries have different experiences with the quantity and quality of sediments in their rivers, and with dealing with the challenges that arise from there. The role, attributed function and perception of sediments influence the way it is managed in a river system. At the core of the SedNet conference in 2015 will be the link between sediment and society, and the exchange of knowledge and respective experiences on an international level. Sediments are an integral part of the river system. Is this role acknowledged in a sufficient way?



Call for Abstracts

SedNet would be pleased to receive abstracts for oral or poster presentation, addressing one or more of the following topics:

- Sediments and society
- Valuing sediments and their services
- Sediment quality and perception
- Understanding sediment fluxes and budgets on a river basin scale
- Restoring sediment continuity (WFD)
- Best practices in sediment management
- Dredged material management in rivers and lakes
- Building with dredged material
- Sediment management in mountainous regions
- Sediment in historical and recent mining areas
- Sediment issues in Poland

Abstracts on these topics will preferably point out the link between society and sediments and relate to its ecosystem functions. Also process-related studies of sediment transport and budget in rivers are welcome that help to understand the sediment-water-soil system. The meaning of effect-oriented research will be a topic as well as the identification of future challenges and perspectives.

Abstracts will be selected by the SedNet Steering Group either for platform presentation or for poster presentation.

Please see www.sednet.org for the template for submission of abstracts to the SedNet Secretariat: marjan.euser@deltares.nl

Deadline for submission of abstracts is 15 January 2015



Conference Venue

The SedNet conference will be hosted at the Faculty of Geology, Geophysics and Environmental Protection, AGH University of Science and Technology, in Krakow, Poland. AGH is one of the biggest technical universities in Poland with approximately 2000 teaching and research staff. Scientists from the Faculty of Geology, Geophysics and Environmental Protection were one of the first who initiated field research regarding geochemistry of sediments in Poland. First and the most important ecosystem of the research was the Vistula River, the biggest river in Poland, flowing through Krakow city. Vistula and its tributaries flow through the Carpathian region, which is a historical and present mining and smelting area in Upper Silesia. Krakow is an historic and visual gem. It's Poland's second largest city.

Language

The conference language will be English. No translation facilities will be provided.

Conference Fee

Regular fee: 400 euro

Students: 100 euro

VAT not included.

If a student has submitted an abstract that has been selected for oral presentation, then his/her fee is waived.

The fee includes admission to the whole conference programme, social (dinner) events on the evenings of 23 and 24 September 2015 and an excursion on 26 September.

Details about the social events and excursion will be provided in the Preliminary Conference Programme.

Registration, Travel and Accommodation

Information about registration, travel and accommodation will be provided in detail in the Preliminary Conference Program.

For Further Information

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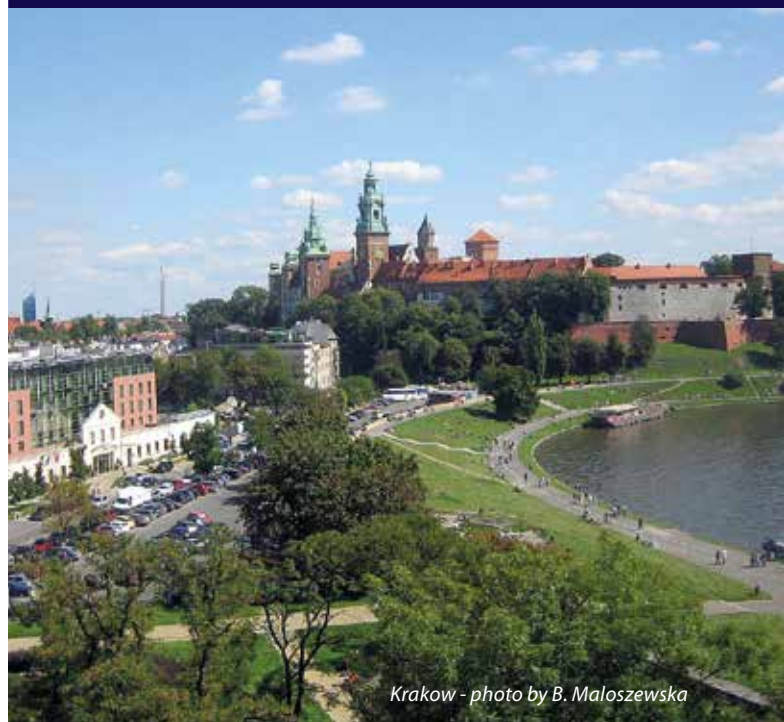
Krakow - photo by B. Maloszewska

SedNet

SedNet is the European network which aims to incorporate sediment issues and knowledge into European strategies to support the achievement of good environmental status and to develop new tools for sediment management. Its focus is on all sediment quality and quantity issues at the river basin scale, ranging from freshwater to estuarine and marine sediments. SedNet brings together experts from science, administration, industry and consultants. It interacts with the various networks in Europe that operate at national or international level or that focus on specific fields (such as science, policy making, sediment management, industry, education).

Special attention was devoted in recent years to the integration of sediment management in the WFD implementation process, and particularly in the recently published River Basin Management Plans.

For further information about SedNet see www.sednet.org



Krakow - photo by B. Maloszewska