



Venue

The conference will be held in Rostock, a nearly 800 years old Hanseatic city in the northeast of Germany. It is the largest and economically most important city in the German federal state Mecklenburg - Western Pomerania. Rostock has a major Baltic Sea harbour for ferry traffic and cargo handling and one of the largest harbours for cruise liners in Germany. The location at the sea, the harbour, the Hanseatic league history and its gothic brick architecture as well as the University of Rostock, founded in 1419 as the oldest university in Northern Europe, characterize the city.

As venue the marine resort „Yachthafenresidenz Hohe Düne“ in Rostock-Warnemünde has been chosen. The conference center is located directly at the beautiful Baltic Sea coast, at a proposed Olympics marina, only 5 minutes walk from the nice sandy beach and a 5 minutes drive brings you to the DredgDikes research dike facility.

How to get there

By airplane: Via airports Berlin, Hamburg or Lübeck, then by train to Rostock/ Warnemünde (see below)

By train: Train to Rostock/ Warnemünde (terminal station). From the station it is a 5 minutes walk to the ferry across the river Warnow. From here you can see the venue across the river to your left. On the other riverside follow the pedestrian signs to the conference centre.

By car: From East / West: Motorway A20, junction „Rostock West / Warnemünde“. Behind the town name sign Warnemünde (before the petrol station) turn right to the ferry / cruise centre. Take the car ferry across the river Warnow and then turn left to enter the YHD car park.

From South: A19, junction A20 in Lübeck direction, then as before.

Accommodation

There are rooms available in the Yachthafenresidenz Hohe Düne for the special rate of 99 € per night (single room) and 139 € per night (double room), including the use of the extensive spa. Also, there are a variety of nice hotels and guest-houses in Warnemünde and Markgrafenheide in all price categories. A list of hotels in three different categories can be downloaded from the project website. There is a number of rooms reserved for conference participants most of which will be available until early February 2014. After this date some hotels will not guarantee the availability. Please use the code „DredgDikes“ to book the special rates.



Committees

Organising committee

Fokke Saathoff (Chairman)
Elisabeth Nitschke
Ricarda Neumann

Stefan Cantré
Michael Henneberg

Scientific committee

Fokke Saathoff, Germany
Arnoldas Norkus, Lithuania
Thorsten Piontkowitz, Denmark
Lech Bałachowski, Poland
Stefan Cantré, Germany
Remigiusz Duszyński, Poland
Jürgen Grabe, Germany
Gijs Hoffmans, Netherlands
Klaus Waßmuth, Germany

Zbigniew Sikora, Poland
Göran Holm, Sweden
Mohamed Boutouil, France
Marcin Cudny, Poland
Julia Gebert, Germany
Michael Henneberg, Germany
Martin Pohl, Germany
Martin Ziegler, Germany

The conference will be held under the auspices of BWK and HTG.



Contact



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<http://dredgdikesconf.auf.uni-rostock.de>

DredgDikes

South Baltic Conference on Dredged Materials in Dike Construction

Rostock / Warnemünde

10 - 11 April 2014

Bulletin 2

www.dredgdikes.eu



Part- financed by the European Union
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Invitation

The chair of Geotechnics and Coastal Engineering at the University of Rostock and the DredgDikes project consortium, together with the German Association of Environmental Engineers BWK and the German Port Technology Association HTG warmly invite you to participate in the South Baltic Conference on Dredged Materials in Dike Construction, being held in Rostock/ Warnemünde from **10 to 11 April 2014**.

Scope of the conference

Dredging is a constant process along the Baltic Sea coasts and in both natural and artificial waterways. While most of the dredged materials are sandy and non-contaminated and thus can be either directly used as construction material, relocated in the water body or dumped in the Baltic Sea, **fine-grained organic sediments** usually have to be taken ashore, where waste management laws apply. However, these materials have a **good potential to be reused beneficially**, particularly in landscaping and agriculture, but also in geotechnical applications.

The conference is the first of two final conferences of the project DredgDikes, dealing with the use of dredged materials in dike construction in the south baltic region. Therefore the conference will cover all aspects of the use of dredged materials as construction materials in geotechnical applications with particular focus on dike construction.

Conference topics

1. Geochemical and geotechnical characterisation of dredged materials and composite materials containing dredged materials
2. Legal background for the beneficial use of dredged materials in geotechnical applications
3. Use of fine-grained organic dredged materials in geotechnical applications other than dike construction
4. Geosynthetic solutions to improve dredged materials used in geotechnical applications
5. Use of composite materials containing dredged materials in dike construction
6. Special aspects and case studies for the use of dredged materials in dike constructions

Important dates

Deadline for full papers: 31.01.2014 (extended)
 Early bird registration: 01.03.2014
 Registration until: 28.03.2014

Conference format

Thursday, 10 April 2014	Friday, 11 April 2014
Technical sessions	Technical sessions
Excursion	
Conference dinner	

Excursion

An excursion to the Rostock research dike facility will be organised on Thursday, 10 April. The research dike is located on the Hanseatic City of Rostock's containment area „Radelsee“ only a 5 minutes drive from the venue. On the research dike different dredged materials have been installed. The extensive instrumentation can be seen and -depending on the weather conditions- an overflowing test may be performed on site.

Registration

The conference is partly financed by the DredgDikes project. For the venue the following registration fees apply:

	before 2 Mar 14	after 1 Mar 14
Full registration:	EUR 325,00	EUR 375,00
Reduced registration: (PhD students with valid ID, public agencies from South Baltic region)	EUR 165,00	EUR 200,00
Student registration:	EUR 100,00	EUR 100,00

Full and reduced venue registration fees include participation in the technical sessions, lunches, coffee breaks, and the conference dinner. Students registration is available for graduate and post-graduate students with valid ID, including the participation in the technical sessions, lunches and coffee breaks (no conference dinner). There is also a special one-day-rate for public agencies from Germany and Poland.

More information including special rates, dates and cancelling options can be found on the conference website.

Please register online: <http://dredgdikesconf.auf.uni-rostock.de>

The project DredgDikes

The project DredgDikes was initiated by the University of Rostock and Gdansk University of Technology to investigate the application of dredged materials, geosynthetics as well as composites of sand and coal combustion products (CCPs) in dike construction. The international cooperation project is part-financed by the EU South Baltic Cross-border Cooperation Programme 2007-2013.

The rather fine-grained batches of the dredged materials from river deltas, coastal backwaters (Bodden), lakes and marine waterways of M-V will be used for dike cover layers. The materials often show organic contents of up to ten per cent. The use of geosynthetics shall level inhomogeneities of the dredged materials and also allow for steeper slopes than usually applied. Rolled erosion control products are used against surface erosion and for root reinforcement, geogrid reinforcement to minimise shrinkage cracking and drainage composites to control the seepage line inside the dike cross-sections.

In Gdansk sand-ccp composites are investigated with respect to their applicability in dike construction. On the one side sandy dredged material is mixed with particular ashes, so that it can be used as dike cover material, on the other hand investigations will show how ccp-sand mixtures can be used to build stable dike cores.

To investigate the different dredged materials and material combinations both in Rostock and Gdansk full scale test dikes have been built and a pilot dike at a small river east of Rostock has been realised.

All project findings will be summarised in a multilingual best practice guideline about the application of dredged materials in dike construction.

Partner conference

The second DredgDikes final conference will be held in Gdansk, 5-6 June 2014 with the title: **South Baltic Conference on New Technologies and Recent Developments in Flood Protection**. Gdansk University of Technology together with the DredgDikes consortium warmly invite to this conference. Information including the first conference bulletin are also provided on the project website.