



**Workshop on Sea-Level Rise &  
Climate Change  
- changing processes and  
sustainable management of the  
low-lying coasts of the Baltic  
states, Poland and Russia -  
INFRA 26246**

**organised in co-operation with  
Lithuanian Geological Society  
Geological Society of Latvia  
Geological Society of Estonia**

**And with the collaboration of**

**European Federation of Geologists  
EUCC – The Coastal Union  
ProGEO – WG3**

**Venue:**

**Name of meeting room,  
Location of meeting room**

**Palanga,  
07-09 April 2008**

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this event, please go to: <http://ec.europa.eu/enlargement/taieux>.**

### **Aim of the meeting:**

The aim of the workshop is to present and to discuss the current state of implementation of EU legislation and practical initiatives for a sustainable development and management of the low-lying coastal areas threatened by sea level rise and other climate change related problems.

Coastal erosion is already a widespread and serious problem in managing coasts in the Baltic area (see: [www.euroseion.org](http://www.euroseion.org)). Awareness in the Baltic countries on the effects of sea level rise and climatic change on the coast and coastal zone management, Natura-2000 habitats and geological heritage destruction is still relatively low. Knowledge by the professional organisations about practical solutions is limited.

This workshop is meant to raise the knowledge and expert level of the three Baltic States and Poland by presenting and discussing practical solutions and applied research needed to combat these problems. Legislation, organisational issues and best practices from other European regions will be presented. The issue of raising public awareness about coastal management problems also is addressed in this workshop.

The attendees will include representatives of relevant Ministries such as Environment, representatives of Regional Authorities and organisations involved in planning and water management, professionals and university earth scientists as well as civil engineers.

The participants will be updated and also discuss problems and solutions related to sea level rise and climate change induced coastal zone management problems, applied research, policies, regulations, legislation and organisational issues. How to manage the effects of the newest IPCC scenario, at this moment still to be made official, with a sea level rise of up to 5 metres within the next half century caused by the release of methane gasses from the permafrost regions, will also be addressed.

The invited speakers are experts within their field. Relevant staff-members of the European Commission have been invited to participate in the different sessions.

## Day I: Monday 07 April 2008

### Pre-conference Field Visits

Visit to threatened sites and habitats – field discussion of solutions for problems

#### **Chairs:**

**Mr. Albertas Bitinas & Mr. Ramunas Povilanskas**

- 08:30 Visit to Klaipeda region :  
Site discussions on management of low-lying areas and polders, peat restoration, estuary and river management responses possible, town of Klaipeda  
**Coffee break and lunch packages**
- 14.00 Visit to Curonian Spit, lagoon and harbour of Klaipeda:  
Discussion on management of spit, world heritage site, lagoon, town and harbour
- 18:00 **Dinner in countryside**
- 20:00 Return to venue  
End of Day I

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## Day II: Tuesday 08 April 2008

### Chairs:

**Mr. Juozas Mockevicius, Director of Lithuanian Geological Survey;**  
**Mr. Saulius Gulbinskas, Coastal Research and Planning Institute, Klaipeda University;**  
**Mr. Jonas Satkunas, Lithuanian Geological Survey;**  
**Ms. Laimdota Kalnina, University of Latvia;**  
**Mr. Rein Raudsep, Ministry of Environment, Estonia.**

09:00	Registration of participants
09:30	Welcoming address and relevance Mr. Juozas Mockevicius, Director of Lithuanian Geological Survey
10:00	Position of the European Parliament Mr. V.J. Paleckis, MEP for Lithuania, member of Committee of Climate Change
<b>Session A:</b> <b>The setting: managing sea level rise over the centuries; possible changes and answers.</b>	
10:30	The Dutch coast and responses to the IPCC scenarios - an overview of sea-level rise and coastal management over the last centuries and government measures planned to counter-act expected changes. Mr. Albert Pieter Oost, Deltares & University of Utrecht, the Netherlands
11:00	<b>Coffee break</b>
11:15	Climate change adaptation in Denmark, past and future coastal zone management. Mr. Per Sørensen, Head of Coastal Research, Danish Coastal Authority, Denmark
11:45	The German coast and responses to the IPCC scenarios - an overview of sea-level rise and coastal management over the last centuries and government measures planned to counter-act expected changes Mr. Jacobus Hofstede, Deputy Head of Division, Ministry of Agriculture, Environment and Rural Areas, Schleswig-Holstein, Germany
12:15	<b>Lunch break</b>

<b>Session B: Roundtable</b>	
<b>Overview of the situation in the low coastal areas in the Baltic region</b>	
13:15	Coastal setting and problems expected in Estonia Mr. Valter Petersell, Geological Survey of Estonia, Estonia
13:45	Coastal setting and problems expected in Latvia Mr. Laimdota Kalnina, University of Latvia , Latvia
14:15	Coastal setting, problems expected in Lithuania Mr. Albertas Bitinas, Lithuanian Geological Survey, Lithuania
14:45	Coastal setting and problems expected in Poland Mr. Szymon Uscinowicz, Institute of Oceanography, Poland
15:15	<b>Coffee break</b>
15:30	Coastal setting and problems expected in Russia Mr. Vladimir Zhamoida and Ms. Darya Ryabchuk, All-Russia Geological Research Institute, Department of Regional Geocology and Marine Ecology, Russia
<b>Session C:</b>	
<b>Tools and Research for changing processes and habitats</b>	
16:00	Ecological effects of foreshore and beach nourishment in relation to the conservation of coastal habitats (Natura 2000). Mr. Gerard Janssen, Senior Expert, RWS Centre for Water Management / Free University Amsterdam, the Netherlands
16:30	Dune development and management, geomorphologic processes and patterns, possible responses to sea level rise and climate change. Mr. Pieter Dirk Jungerius, Professor, Institute for Biodiversity and Ecosystem Dynamics (IBED), University of Amsterdam, the Netherlands
17:00	River development, water management and nature development related to sea-level rise and climate change Mr. Henk Wolfert, Research Institute Alterra, the Netherlands
17:30	Administration of coastal issues in England, and adaptation to climate change Mr. Brian Marker, Commission of Geosciences for Environmental Management, the United Kingdom
18:00	Questions and discussions
18:30	End of day I
20:00	Presentation of the Encora Database / Coastal WIKI / DIVA tool Practical Tools for Coastal Management by ( <b>optional</b> ) Mr. Albert Oost, Deltares & University Utrecht

## Day III: Wednesday 09 April 2008

### Chairs:

**Ms. Laimdota Kalnina, University of Latvia;**

**Mr. Szymon Uscinowicz, Gdansk University**

<b>Session D: Sustainable techniques, research, sea level rise and climate change</b>	
09:00	The techniques of foreshore and beach nourishment, costs and effectiveness  Mr. Albert Oost, Deltares & University of Utrecht, the Netherlands
09:30	The Submerged Palaeoenvironments of the Southern North Sea  Mr. Vince Gaffney, University of Birmingham, the United Kingdom
10:00	ICZM, Integrated Coastal Zone Management in Germany, a best practice from Germany, and the role of EUCC in Germany  Mr. Jacobus Hofstede, Deputy Head of Division, Ministry of Agriculture, Environment and Rural Areas, Schleswig-Holstein, Germany
10:30	<b>Coffee break</b>
<b>Session E: Legislation, organisation, and raising public awareness, the role of NGOs</b>	
10:45	The organization of polder management in the Netherlands future responses planned and collaboration with Baltic States on water management  Mr. Johann de Bondt, Chairman, Water Board, Amsterdam Region, the Netherlands
11:15	Role of EUCC – The Coastal Union for promoting integrated coastal zone management in European Union  Mr. Ramunas Povilanskas, Director, Baltic Office, EUCC – The Coastal Union, Lithuania
11:45	Ground motion observations in the European Lowland Areas based on satellite interferometry methods – TerraFirma and MELA projects  Mr. Marek Graniczny, Professor, Polish Geological Institute, Poland
12:15	Coastal change a chance for creating sustainable economics, geo-, cultural and natural heritage for tourism - examples from the past. The role of the European Federation of Geologists.  Ms. Johanna van den Ancker, Coordinator, Expert group on soil protection and geological heritage, EFG / Geoheritage NL, The Netherlands

12:45	Questions and discussion
13:15	End of seminar

**This meeting is being organised by the  
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