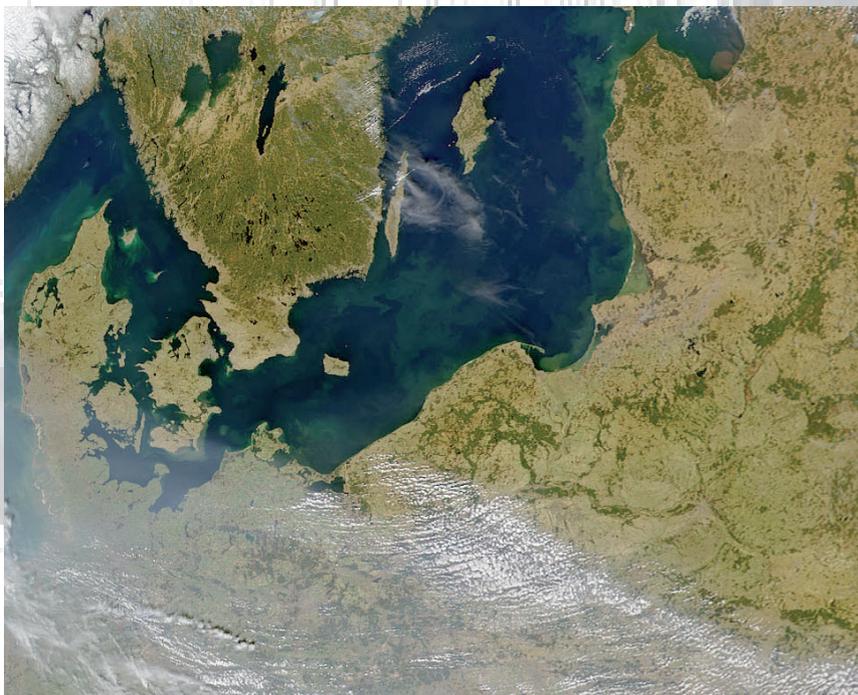


International Conference on  
**Climate Change**  
The environmental and  
socio-economic response  
**in the southern Baltic region**



NASA/Crozier Space Flight Center/Google



Szczecin, Poland  
25 - 28 May 2009

# Second Announcement and Call for Papers

## Rationale of the Conference

Changing climate has been investigated over the last decades on a global scale, which has led to enormous progress in understanding the driving forces and parameters of the climate controlling system. The current research requirements are focused on spatial downscaling in order to regionalize the process effects. This includes reconstructions for the Holocene as well as future projections which planning agencies may use for the socio-economic and technical reaction to changing climate. The southern Baltic Sea basin is a good region to be studied in high spatial resolution, because of its special interrelation between climate variations and the effects on the anthroposphere.

*A historic photograph of the church of Trzesacz, Poland.  
The ruins exemplify the conflict between natural erosion and utilization of coastal areas.*

*Photo: Courtesy of the National Museum in Szczecin*



## Conference Sessions

The Conference shall bring together scientists, economists, engineers, politicians and managers in order to discuss questions with respect to the following main Conference sessions:

### Session A: Marine and terrestrial proxies for reconstructions of paleo-climate

*Conveners: Achim Brauer, Andrzej Witkowski and Aarno Kotilainen*

The focus of this session is on high-resolution multi-proxy data series of past climate changes in the Baltic region for the time period since the last glaciation. Key aspects are decadal to centennial climatic oscillations, the dynamics and timing of particularly abrupt changes, and the impact of changing climate on human settlements. Especially welcome are contributions on dating and correlating marine and terrestrial sediment records.

### Session B: Modeling of past climate change and future projections

*Conveners: Eduardo Zorita and Markus Meier*

Climate models are the most powerful tool to predict future anthropogenic climate changes. At regional scales, their performance needs to be assessed against observations and climate variability, and changes at regional scales need to be understood, even more so in an area as complex as the Baltic Sea region. The whole hierarchy of model results, ranging from simplified models targeting one specific climatic variable to the most comprehensive regional climate models driven by state-of-the-art global climate models, as well as comparative analyses of models to observations or climate reconstructions, are welcome in this session.

### Session C: Climate and anthroposphere interactions

*Conveners: Christian Lis and Maciej Kowalewski*

The session is devoted to effects of climate change on: technologies for the provision of goods and services; urbanization processes; land use planning; the property market including technical and social infrastructure and capital investment effects on its maintenance and development; agriculture, fishery, forestry, and tourism; public, social, economic, technical and health safety; and the quality of life. Effects of those factors on climate may be considered as well.

### Session D: Prehistoric communities and climate change

*Conveners: Friedrich Lüth and Marian Rebkowski*

The massive climate changes during the last 30.000 years has led to a variation of different environmental conditions under which hunter and gatherer societies had to adapt their subsistence strategies. This session focuses on the interpretation of new proxy-data which shed light on the interrelation between environmental change and the development of social structures, especially in the post-glacial phase. Special attention will be paid to late hunter-gatherer societies, coastal oriented fishing communities, and the early farming societies.

### Session E: Climate variability and change impacts on Baltic Sea coasts

*Conveners: Stanisław Musielak, Peter Fröhle and Zygmunt Meyer*

The session focuses on climatically controlled sea level rise and the hydrographic stress on the neotectonically sinking coasts of the southern Baltic Sea. The dynamics of coastal processes, from event driven short periods through the decadal up to millennial time scales, will be discussed between geoscientists, coastal engineers, and regional authorities. The role of extreme (catastrophic) events and risk assessment, as well as innovative concepts for coastal protection and new coastal zone management approaches, will be highlighted.

Invited and contributed papers will be presented in plenary along with parallel poster sessions. Conference language is English.

Authors may submit papers for a special issue of *Journal of Climate Research*.

# Second Announcement and Call for Papers

## Call for Papers

Contributions in accordance with the conference sessions, both oral or as poster, are welcome. Complete abstracts in English language, maximum of two pages, including figures, tables or diagrams, are requested to be submitted to the International BALTEX Secretariat.

## Guidelines for Abstract Preparation and Submission

Abstracts must be submitted by e-mail to [baltex@gkss.de](mailto:baltex@gkss.de) before 15 February 2009. An electronic abstract template including all format definitions is available at the **Conference website: [www.baltex-research.eu/SZC2009](http://www.baltex-research.eu/SZC2009)**. This template shall be downloaded and used for the preparation of abstracts. Participants are advised to strictly follow the formats given in this template. Other formats or paper/fax copies will not be accepted.

**Abstract Deadline: 15 February 2009**

The Scientific Conference Committee will review the submitted papers, establish the Conference programme accordingly and notify paper authors before 28 February 2009. An abstract volume will be distributed at the Conference.



RV NAWIGATOR XXI in front of the Waly Chrobrego promenade

## Scientific Committee

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- Krzysztof Borówka, Poland
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## Conference Fee and Registration

All Conference participants shall register via the Conference website by either using the electronic registration tool or by filling in the fax registration form which is available as pdf.

**Registration Deadline: 15 April 2009**

The Conference fee is € 100 (€ 150 after 15 April 2009) for full delegates. Students pay €50 (€75 after 15 April 2009) and must present evidence of student status at the time of registration. The Conference fee covers the expenses for the Conference venue, the Conference abstract volume, the Ice Breaker on Sunday evening, morning and afternoon coffee and refreshments, lunch on the Conference days, and the Conference dinner on Tuesday. On Thursday, excursions are planned to the inner and outer coasts of Wolin or Rügen. Further details are available at the Conference web site.

**Conference web site:**

**[www.baltex-research.eu/SZC2009](http://www.baltex-research.eu/SZC2009)**

**The Conference is co-sponsored by:**



Uniwersytet Szczeciński



GKSS-Forschungszentrum  
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Geologie, Mecklenburg Vorpommern



Helmholtz-Zentrum Potsdam  
Deutsches GeoForschungsZentrum

# Second Announcement and Call for Papers

## Venue and Date

The Conference will be held from 25 to 28 May 2009 in the

**Congress Centre of Szczecin University**  
Krakowska 71-79, PL-71-004 Szczecin, Poland

Szczecin is located south of the Szczecin lagoon, which is part of the Oder river estuary, draining into the Pomeranian Bay of the Baltic Sea. Szczecin is the capital of Western Pomerania and located in the vicinity of three European countries: Germany, Denmark and Sweden. The historical



*Racze Lake and Miedwie Lake in the Szczecin Lowland*

and cultural milieu

of the city originates from more than thousand years and has been shared by several nationalities. Large parts of the city architecture go back to the last half of the 19<sup>th</sup> century, bearing a striking resemblance to Paris. The urban built-up areas contain green enclaves as well as parks featuring rare tree and bush species. The Northern Polish Lowlands form attractive landscapes. Lakes host in their sediments unique climate archives. The city of Szczecin and Western Pomeranian Province are one of the most attractive tourist regions in Poland.

For tourist information see <http://turystyka.szczecin.pl>



*The Oder River in Szczecin*

## Accommodation

Rooms have been pre-booked until 15 April 2009 in several hotels in Szczecin. Single room prices vary from around €50 to €100 per night. There are additional options for double rooms and suites. The list of hotels and contact information may be found at the Conference website.

## Social Events

Sunday 24 May: Ice Breaker  
Tuesday 26 May: Conference Dinner  
Wednesday 27 May: Art exhibition and concert  
Thursday 28 May: Excursions to the islands of Wolin or Rügen



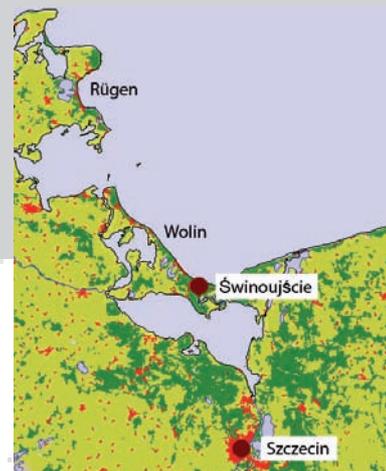
*The Wolin island coast*



## Travel Information

Szczecin can be reached by air directly via Szczecin/Goleniów Airport (SZZ) or via the Berlin airports Tegel (TXL) and Schönefeld (SXF). From Berlin, trains and buses leave regularly for Szczecin (2-3 hours travel time). There are also ferry connections between Świnoujście (north of Szczecin) and both Ystad (Sweden) and Copenhagen (Denmark). A hydrofoil service connects Świnoujście and Szczecin via the Oder river.

For detailed travel information, see:  
<http://wikitravel.org/en/Szczecin>



General questions related to the Conference may be directed to the International BALTEX Secretariat: Phone +49 4152 87 1661 (-1693 or -1699), Fax +49 4152 87 1730, e-mail: [baltex@gkss.de](mailto:baltex@gkss.de), or to the local organiser: Prof. Dr. Andrzej Witkowski, University of Szczecin, Phone: +48 91 4442465, E-Mail: [a.witkowsk@gmail.com](mailto:a.witkowsk@gmail.com)