Announcement

International Conference

„*Sedimentary Source-to-Sink Systems in Marginal Seas”*

Natural Sciences Education & Research Centre
University of Szczecin, Nov 13 – 14, 2018
Szczecin, Poland

Rational

Understanding the current and future climate and environmental system requires a deep insight into the development of the global climate during the Quaternary, and the Last Glacial Cycle (LGC) in particular. High frequency climatic and environmental changes are recorded by proxy-data of sediments accumulated on the continental shelves and shallow basins

of marginal seas. The sedimentary records do not only reflect changes of the environment on the global, but also on the regional and sub-regional scale. The basins receiving the load of sediments discharged by river mouth systems or coastal erosion display the history of impacts of natural and anthropogenic forcing on the environment of sediment transport from the origin to the final destination. Sedimentological source-to-sink studies allow mass balancing and detailed paleoenvironmental and paleoclimatic synopsis of local to regional development of geosystems in transitional continent – ocean position. A Polish-Chinese research team is investigating the relation between the Hainan Island as the source and a deltaic systems SW offshore in the Beibu Gulf, South China Sea, between Marine Isotopic Stages (MIS) 4 and 1, in a source-to-sink study. Key results of the research project "Evolution of the Hainan Delta (SCS's NW shelf) as a response to changes in paleoenvironment since Late Pleistocene – ERES" will be presented at this International conference to be held at the University of Szczecin. But the conference is not limited to the goals of the ERES project. It is anticipated to discuss source-to-sink studies for Quaternary marginal seas in general so that also scientists from the Baltic Sea and other comparable areas shall feel addressed to join the conference in order to discuss methodological questions of coastal research as well as general topics of the interference of natural and natural driving forces of the global change. Related research topics are not rooted just in the academic ivory tower, but directly related to socio-economic approaches and management tasks. For this reason, not only geoscientists are invited to join the conference but also coastal engineers, socio-economists and representatives of environmental protection and planning agencies.

Organizer/Host

University of Szczecin, Poland

Patronage

Prof. Dr. Edward Włodarczyk, Rector of the University of Szczecin

Co-organizer

Polish Geological Institute – National Research Institute (PGI−PIB)

Dates

Nov 13 – 14, 2018

Venue

University of Szczecin, Faculty of Geosciences,
Research and Educational Center of Natural Sciences,
A. Mickiewicza 18,16 (auditorium 30A)
70-383 Szczecin, Poland

Scientific Committee

H. Arz (Leibniz Institute of Baltic Sea Research Warnemünde, Germany)
R. K. Borówka (University of Szczecin, Poland)

H. Chen (Guangzhou Marine Geological Survey, Guangzhou, China)
J. Dudzińska-Nowak (University of Szczecin, Poland)
J. Harff (University of Szczecin, Poland)
G. He (Guangzhou Marine Geological Survey, Guangzhou, China)
T. Jiang (China University of Geosciences Wuhan, China)
A. Osadczuk (University of Szczecin, Poland)
A. Skowronek (Polish Geological Institute – National Research Institute, Szczecin, Poland)
K. Stattegger (University Poznań, Poland)
W. Szczuciński (University Poznan, Poland)
A. Witkowski (University of Szczecin, Poland)
Z. Xia (Guangzhou Marine Geological Survey, Guangzhou, China)
S. Yang (Guangzhou Marine Geological Survey, Guangzhou, China)
W. Zhang (Helmholtz Zentrum Geesthacht, Germany)

Local Organizing Committee

Ł. Maciąg, USZ (chair)
M. Tomczak, USZ (financial affairs)
J. Miluch, USZ
nn, Poland, PGI

Conveners

H. Chen (Guangzhou Marine Geological Survey, Guangzhou, China)
J. Harff (University of Szczecin, Poland)

Participants

Members of the ERES team and partner institutions, interested members of the Faculty of Geosciences, and other Faculties of the University of Szczecin, students of the University of Szczecin

Program

Nov 12, 2018: Arrival of participants, registration
Nov 13/14, 2018: Technical sessions

Topical sessions:

- Sea-level dynamics / seismic stratigraphy
- Sedimentology and coastal formation
- Paleoclimate- and oceanographic changes: natural vs. anthropogenic
- Marine and coastal hazards
- Protection and socio-economic utilization of the coastal zone

The conference should also provide a stage to discuss follow-up projects of international co-operation.

Social events:
Ice breaker on Nov 12, 2018
Conference Diner on Nov 13, 2018 (50.00 PLN by person contribution to the costs are requested)

Presentations

Oral and poster

Number of participants

ca. 60

Publication

Abstracts on site,
manuscripts as anthology as Special Issue of an international journal (to be selected)

Important dates

Abstracts: August 31, 2018 (instructions will be submitted asap)
Registration: September 14, 2018 (instructions will be submitted asap)
Program: September 30, 2018

Accomodation at Szczecin

Information will be submitted asap.

Contact

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