



The 12th Colloquium on Baltic Sea Marine Geology

September 8 – 12, 2014

Leibniz Institute for Baltic Sea Research Warnemünde



Contributions to the Poster Sessions

Poster Session A: Baltic Sea paleoenvironments

- A. 1 Mid- to late Holocene winter variability in northern Europe as reconstructed from Skagerrak deep-water renewal over the last 6800 years.
Butruille, C.
- A.2 Reconstructing paleo-temperatures in the Baltic: a multi-proxy comparison from IODP site M0059 (Little Belt)
Groeneveld, J., Kotthoff, U., Granoszewski, W., Bauersachs, T., Ash, J., Fanget, A.-S., Krupinski, N.Q., Stepanova, A., Peyron, O., Andren, T., Cotterill, C., and Exp. 347 Science Party
- A.3 The palaeogeographic reconstructions of the Ancylus Lake and the Litorina Sea in Tolkuse-Rannametsa area in SW Estonia
Habicht, H.-L.
- A.4 Magnetostratigraphy and rock magnetic characterization of Baltic Sea IODP expedition 347 sites M0059 and M0060.
Herrero-Bervera, E., Snowball, I. and IODP Expedition 347 Scientists
- A. 5 Evidence of pollen and plant macroremains from the Gulf of Riga and coastal area sediments
Kalnina, L., Cerina, A., Pujate, A.
- A.6 The mysteries of carbonate concretions of the Late Weichselian Baltic Ice Lake rhythmites drilled during IODP Exp. 347 at the Landsort Deep
Kenzler, M., Ash, J., Deutschmann, A., Meschede, M., and Hüneke, H.
- A. 7 Diatom-based artificial neuronal network for the estimation of sea surface salinity in the Baltic Sea
Kotrys, B., Tomczak, M., Witkowski, A., Harff, J., and Seidler, J.
- A.8 Climate forcing factors for marine environmental change during the Mid and Late Holocene - a link between the eastern Atlantic and the Baltic Sea- first results of geochemical analyses.
Moros, M. and Slawinska, J.
- A.9 Quantitative reconstruction of salinity in the Baltic Sea based on dinoflagellate cyst and Sr isotope in the Baltic Sea
Ning, W., Andersson, P., and Filipsson, H.
- A.10 Holocene hydrodynamic changes in the Gulf of Gdansk based on grain size records
Pączek, U., Witak, M., Piotrowska, N., Tudyka, K., Miotk-Szpiganowicz, G., Uścińowicz, Sz.
- A.11 Late Holocene Baltic Sea surface water outflow changes reconstructed using C₃₇:4 content from marine cores
Rohde-Krossa, V., Moros, M., Blanz, T., Jansen, E., and Schneider, R.
- A.12 Timing of the first and last (?) strong saline water inflows into the Bothnian Sea during the Littorina Sea stage of the Baltic Sea's history
Schellenberg, K., Moros, M., Wacker, L., Perner, K., Häusler, K., Arz, W. H.

- A.13 Selection of key-sites for paleo-environmental studies in the Norwegian Trench / Skagerrak and western Baltic Sea areas within the frame of climlink project
Slawinska, J., Moros, M., Schellenberg, K., Perner, K., Leipe, T., Binczewska, A., Bak, M., Borówka, R., Dobosz, S., Jansen, E., Kaniak, A., Polovodova, I., Risebrobakken, B., and Wroniecki, M.
- A.14 Do not classify your sediments (in cores) according to the Baltic Sea stages! The benefits of the cual approach
Virtasalo, J., Hämäläinen, J., and Kotilainen, A.
- A.15 Climate forcing factors for marine environmental change during the Mid and Late Holocene - a link between the eastern Atlantic and the Baltic Sea- main view of the project.
Binczewska, A., Bąk, M., Borówka, R., Dobosz, S., Jansen, E., Kaniak, A., Moros, M., Perner, K., Polovodova, I. Risebrobakken, B., Schellenberg, K., Sławińska, J., Wroniecki, M.

Poster Session B: Sea Level Change and Coastal Processes

- B.1 Paleogeographic reconstruction and predicting the future coastal evolution of the south-eastern Baltic Sea (Russian part) during the Holocene
Dorokhov, D. and Sergeev, A.
- B.2 Sedimentological paleostructures formed during the Littorina Sea transgression (Pomeranian Bay)
Relisko-Rybak, J., Damrat, M., and Uściniowicz, Sz.
- B.3 Geological risks for the coastal zone of the eastern Gulf of Finland – results of CliPLiVE project
Ryabchuk, D., Sergeev, A., Kovalevs, O., and Leontyev, I.
- B.4 Paleogeographic reconstruction of the Curonian Spit area development in Holocene
Sergeev, A. and Zhamoida, V
- B.5 Late glacial and Holocene history of the area of present Resko Przymorskie Lake spit based on multidisciplinary studies (southern Baltic coast, Poland)
Sydor, P., Krzymińska, J., Lutyńska, M., and Kotrys, B.
- B.6 The coastline changes under anthropogenic impact in the eastern Laizhou Bay, China
Zhao, Y., Deng, J., Harff, J., Tang, C., and Zhang, H.

Poster Session C – Sediment and habitat mapping of the sea floor

- C.1 The sea-bed substrate data of the European seas as part of the European marine observation and data network (emodnet) for geology -project
Kaskela, A., Alanen, U., Kotilainen, A., and Stevenson, A.
- C.2 Major and trace elements in surface sediments of the Pomeranian Bay
Pączek, U.1, Bojakowska, I., Kramarska, R., Jegliński, W., Przedziecki, P., Kaulbarsz, D.

- C.3 Regionalized classification of seabed sediments in the German Baltic Sea
Tauber, F.

Poster Session D – Biogeochemical processes

- D.1 Element transformation rates and fluxes across the sediment-water interface of the Baltic Sea
Lipka, M., Wegwerth, A., Dellwig, O., Al-Raei, A. M., Schoster, F., and Böttcher, M. E.
- D.2 The new data about pockmark's genesis in the eastern Gulf of Finland
Neevin, I., Grigoriev, A., Zhamoïda, V., Ryabchuk, D., Budanov; L.
- D.3 Early diagenesis in Holocene surface sediments of anoxic basins in the Baltic Sea: transformation and transport processes, and microbial community structure
Winde, V., Dellwig, O., Labrenz, M., Schosster, F., Lipka, M., Schnetger, B., Al-Raei, A.M., and Böttcher, M.E.

Poster Session E: Anthropogenic impacts / hazardous substances

- E.1 Subrecent sedimentation in western Baltic Sea basins
Bunke, D., Leipe, T., Moros, M., and Arz, H. W.