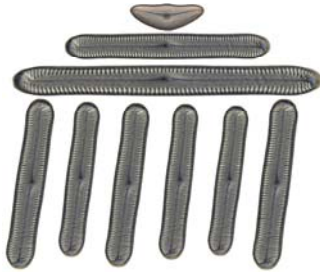


## Scientific Contributions

### First Central European Diatom Meeting (1 CE-Diatom), (21 DDT)

Berlin 23-25 March 2007



*CE-Diatom 2007*

Abarca N., Jahn R., Israde I. & Blanco S.: Diatoms as indicators of water quality in the Lerma River, Mexico [Talk & Abstract].

Adler S., Hübener T., Lotter A., Anderson N. J., Dreßler M. & Schwarz A.: Is the use of diatom relative abundance data in comparison with class data in paleoecology a real improvement? [Talk & Abstract].

Beltrami M. E., Cappelletti C. & Ciutti F.: A first characterization of diatoms communities from Trentino streams (Northern Italy) [Poster 14 & Abstract].

Brinkmann N., Behnke A., Jahn R., Bruns S. & Friedl T.: Assessing the diversity of diatoms in calcifying biofilms of two hardwater creeks [Talk & Abstract].

Bruder K.: Molecular assessment of the phylogenetic relationship between the genera *Navicula* s.str. and *Hippodonta* [Poster 33 & Abstract].

Buck J., Hübener T. & Dreßler M.: Shoreline displacement and salinity changes: The development of two shallow freshwater lakes at the Karelian White Sea coast (Northwest Russia) as reflected in sedimentary diatoms [Poster 39 & Abstract].

Buczko K.: Biogeography of *Kobayasiella* taxa (Bacillariophyceae) in Central Europe [Poster 15 & Abstract].

Bukhtiyarova L.: First Data on Bacillariophyta from Rivnenskiy Natural Reserve, Ukrainian Polissya [Poster 23 & Abstract].

Cantonati M., Lange-Bertalot H. & Bertuzzi E.: Taxonomy and ecology of new or interesting species from springs of the south-eastern Alps [Poster 16 & Abstract].

Cocquyt C., Taylor J., Kusber W.-H., Archibald C., Harding W. & Jahn R.: Digitizing African *Surirellaceae*: a pilot study [Poster 46 & Abstract].

Cocquyt C. & Van de Vijver B.: La Calera: diatom composition of a Peruvian hot spring in the Colca Canyon [Poster 30 & Abstract].

Cremer H. & van de Vijver B.: The genus *Pliocaenicus* (Bacillariophyceae): morphology, ecology, biogeography [Poster 36 & Abstract].

Dreßler M., Schwarz A., Hübener T. & Scharf B.: The ratio of planktonic to benthic diatoms from the sediments of different lakes in northern Germany: a new interpretation as climatic proxy [Poster 40 & Abstract].

Gebühr C., van Beusekom J., Aberle-Malzahn N. & Wiltshire K. H.: New insights into the ecological role of *Paralia sulcata* [Poster 37 & Abstract].

Gemeinholzer B. & Jahn R.: Molecular tools: will they change everything in Diatom taxonomy? [Talk & Abstract].

Gesierich D.: Wasser im Fall – Wasser ohne Grenzen. Algendiversität unter widrigsten Bedingungen [Poster 18 & Abstract].

Güntsch A., Kusber W.-H. & Berendsohn W.G.: Networking distributed biodiversity data with GBIF and BioCASE [Talk].

Hoch N., Mock T., Valentin K. & Medlin L.K.: Acclimation of polar diatoms to the sea ice ecosystem as assessed by gene expression analysis [Poster 32 & Abstract].

Hofmann G.: Zum Stand der Bewertungsverfahren der Ökologischen Qualität von deutschen Fließgewässern und Seen – Umsetzung der EU-Wasserrahmenrichtlinie anhand von Diatomeen. [Talk & Abstract].

Horn M. & Esguerra Ortiz C.: Deformities in diatoms as bioindication [Poster 11 & Abstract].

Houk V.: *Melosira hibschiei* Reichelt from the type locality in Varnsdorf (Czech Republic) and from other diatomite localities in North Bohemia (Czech Republic) and in Zittauer Gebirge (Germany) [Talk & Abstract].

Hübener T., Dreßler M., Schwarz A., Langner K. & Adler S.: Dynamic adjustment of training sets ('moving windows' reconstruction) by using transfer functions in paleolimnology [Poster 41 & Abstract].

Huber K., Klee R. & Schmidt R.: Distribution and morphological variability of *Cyclotella*-taxa in the late glacial Längsee (Austria) [Talk & Abstract].

Illig S., Erhard D. & Raeder U.: Zusammensetzung der Aufwuchsdiatomeen ausgewählter Wasserpflanzen [Poster 9 & Abstract].

Jasprica N. & Carić M.: Ecology of planktonic diatoms in southern Adriatic coastal waters, NE Mediterranean [Talk & Abstract].

Jüttner I.: Diatoms as indicators of water quality in Cardiff Bay and two inflowing rivers, United Kingdom [Poster 6/7 & Abstract].

Kaczmarek I.: Diatom taxonomy: morphology, molecules and barcodes [Talk & Abstract].

Kapetanović T. & Hafner D.: Diatoms of Wet Habitats in the Subalpine Belt of Mt. Vranica (Bosnia And Herzegovina) [Poster 20 & Abstract].

Khursevich G.: Main stages in the development of freshwater centric diatoms during the Cenozoic in Asia and Europe [Talk & Abstract].

Kirchhoff A., Holetschek J., Hahn A., Kelbert P., Jahn R. & Berendsohn W.G.: GBIF Germany and the Botanical Node [Poster 49 & Abstract].

Kirilova E. P., Bluszcz P., Cremer H., Lotter A. F.: Seasonal and annual fluctuations of diatoms in sediment traps and their relationship to physico-chemical properties in Sacrower See (Germany) [Poster 42 & Abstract].

Knie M. & Hübener T.: Morphological variability of the *Cyclotella ocellata-krammeri-rossii* complex in field samples and cultures [Poster 52].

Kopalová K., Elster J. & Nedbalová L.: Diversity and ecology of diatoms in seepages of the James Ross Island (Antarctica) [Poster 28 & Abstract].

- Kozáková M., Marvan P. & Geriš R.: Halophilous diatoms in Czech running waters [Poster 12 & Abstract].
- Kraberg A., Moniz M., Metfies K., Medlin L. & Wiltshire K.: Intraspecific diversity in the marine diatom *Thalassiosira rotula* [Poster 34 & Abstract].
- Kraberg A., Vaultot D., Patterson D. J., Ardelean A., Amorim A., Macario A., Probert I., Young J., Moita T. & Wiltshire K. H.: Die taxonomische Online-Datenbank PLANKTON\*NET: Ziele und Perspektiven [Poster 47 & Abstract].
- Kralj K., Gligora M. Šetin, I. & Plenković-Moraj, A.: Diatoms of Lake Vrana [Poster 22 & Abstract].
- Kroth, P.G., Gruber A. & Materna A.: Molecular tools to understand the physiology and cell biology of diatoms [Talk & Abstract].
- Krüger W.: Die Kieselalgenesellschaft in der Pfrimm - Erste Untersuchungsergebnisse [Poster 25/26 & Abstract].
- Kusber W.-H. & Jahn R.: *AlgaTerra* database and information system - State of the art, news and deliverables [Poster 48 & Abstract].
- Kusber, W.-H. & Jahn R.: Johannes Gerloff (1915-2000): A pioneer in using the Transmission Electron Microscope in diatom research, co-founder of Nova Hedwigia and Algae Curator at the BGBM Berlin-Dahlem [Poster 51 & Abstract].
- Lange-Bertalot H.: Kosmopoliten versus Endemiten, Biogeographische Implikationen steigender Taxazahlen [Talk & Abstract].
- Lazarus D.: The Ehrenberg Collection [Poster 45 & Abstract].
- Levkov Z., Nakov T. & Krstic S.: Gomphonemoid taxa in Macedonia, diversity and distribution [Poster 21 & Abstract].
- Lyakh, A.: New method for accurate estimation of diatoms biovolume and surface area [Poster 31 & Abstract].
- Medlin L., Jung I., Bahulikar R., Mendgen K., Kroth P. G. & Kooistra W. H. C. F.: Evolution of the diatoms. VI. Assessment of the new genera in the araphids using molecular data [Talk & Abstract].
- Metzeltin D.: *Cymbella sinuate* aus 30 Ländern: Varietäten oder Variabilität? [Talk & Abstract].
- Mischke U.: Dominant und doch nicht relevant? - Verbreitungsspektrum der Centrales in deutschen Flüssen und ihre Eignung zur Trophieindikation [Abstract].
- Moravcová A., Nedbalová L., Lukavský J. & Rauch O.: The influence of anthropogenic pollution on composition and structure of diatom communities in mountain streams (Bohemian Forest, Giant Mountains) [Poster 13 & Abstract].
- Nesterovich A.: Diatoms as important elements of the algal flora in ponds of North-Western Russia [Poster 24 & Abstract].
- Ognjanova-Rumenova N.: Neogene diatom assemblages from lacustrine sediments of Serbia and their distribution in the correlative formation in S-W Bulgaria and Republic of Macedonia [Talk & Abstract].
- Park J.-S., Ohtsuka T. & Koh C.-H.: Taxonomic notes on two marine benthic diatoms in Korean tidal flats; *Climaconeis triundulata* and *Petrodictyon voigtii* [Poster 35 & Abstract].

- Picińska-Fałtynowicz J.: Assessment of an ecological status of the River Nysa Łużycka (Lausitzer Neisse) by epilithic diatoms [Abstract].
- Pouličková A. & Mann D. G.: Reproduction in *Pinnularia* [Talk & Abstract].
- Reid G. & Williams D. M.: The relevance of diatom morphology: Comments on the genus *Cistula* Cleve [Talk & Abstract].
- Rott E.: Rare and interesting benthic diatoms from headwater streams in the Malcolm Knapp Research Forest, British Columbia, Canada [Poster 27 & Abstract].
- Schilling P.: Qualitätssicherung in der Biologie – Phytoplankton [Poster 1 & Abstract].
- Schilling P.: Qualitätssicherung in der Biologie – Erfahrungen aus dem marinen Monitoring [Poster 2 & Abstract].
- Schönfelder, I.: Die Bewertung norddeutscher Seen mit planktischen Diatomeen in Profundalproben [Abstract].
- Schreck M., Abarca N. & Schröder H.: Holocene sediments in the Cancosa Basin (Northern Chile) diatom analyses - first results [Poster 38 & Abstract].
- Skibbe O., Nitsch G. & Skiebe-Corrette P.: Untersuchung von Diatomeen in einem Schülerlabor [Poster 50 & Abstract].
- Špačková J., Pouličková A., Kelly M., Galetová J. & Mann D.G.: Attached diatoms of selected British lakes and their ecological preferences [Poster 5 & Abstract].
- Stachura-Suchoples K. & Khursevich G.: The Genus *Pliocaenicus* Round & Håkansson (Bacillariophyta) – Emended description [Talk & Abstract].
- Stenger-Kovács C. & Padisák J.: Diatom assemblages on different substrata in Lake Balaton: an examination of habitat preferences [Poster 10 & Abstract].
- Täuscher L.: Die Erforschung der Kieselalgen-Besiedlung von Binnengewässern und der südlichen Ostsee in Mecklenburg-Vorpommern seit der Mitte des vergangenen Jahrhunderts [Talk & Abstract].
- Taxböck L.: Kieselalgenengesellschaften in Quellen des Schweizer Mittellandes [Poster 17 & Abstract].
- Ulanova A. & Snoeijjs P.: Multivariate analysis of epilithic diatoms along the Swedish coast of the Baltic Sea [Poster 8 & Abstract].
- Van de Vijver B. & Mataloni G.: Species radiation in the genus *Luticola* on the volcanic Deception Island (South Shetland Island) [Poster 29 & Abstract].
- Van de Vijver B. & Spaulding S. A.: The genus *Muelleria* in the (sub-)Antarctic Region: morphology, taxonomy & Biogeography [Talk & Abstract].
- Werner P. & Dreßler M.: Assessment of the ecological status of ten lakes from northern Germany according to the Water Framework Directive using benthic diatoms: problems and achievements [Poster 4 & Abstract].
- Winteler C.: Desmidiaceen und Diatomeen in Hochmooren vor und nach einer Regeneration am Beispiel des Bändlerrietes bei Wetzikon ZH, Schweiz [Poster 19 & Abstract].
- Witkowski A., Moros M., Lloyd J., Kierzek A., Krawczyk D., Ludwikowska M., Kuijpers A. & Stelel W.: High resolution record of the diatom (Bacillariophyceae) flora in the sediment core from Disko Bay (Western Greenland) and its possible palaeoenvironmental significance [Poster 43 & Abstract].

Wölfel J., Görs S., Schumann R., Rickler M., Leopold P., Wiencke C. & Karsten U.: Biomass and ecophysiology of benthic diatoms in the Arctic Kongsfjord, Spitsbergen [Talk & Abstract].

Zamelczyk-Juhnke K., Kierzek A. Witkowski A., Broszinski A. & Borówka R. K.: Marine and freshwater fossil diatom floras in the Holocene sediments from the Pomeranian Bay and the Swina Gate (Southern Baltic Sea) [Poster 44 & Abstract].