4) Provisional list of proposed speakers/participants

Session 1: Cool-water carbonate mounds: from Abyss to Arctic

KEYNOTES:

Edinger, Evan, *Dept. of Geography and Biology,* Memorial University of Newfoundland, Carbonates from the Arctic, their role in climate changes

Wehrmann, Laura**,** *School of Marine and Atmospheric Sciences,* Stony Brook University, USA: Early diagenesis in carbonate mounds

Flögel, Sascha, *Marine Biogeochemistry*, GEOMAR Helmholtz Centre for Ocean Research Kiel: Climate and ocean modeling of palaeo-mound settings.

Form, Armin, *Biological Oceanography,* GEOMAR Helmholtz Centre for Ocean Research Kiel: Biogenic calcification under the effect of ocean acidification.

Foubert, Anneleen, *Dept. of Geosciences,* University of Fribourg: From the natural system to the laboratory – chemical diagenesis at carbonate mounds.

Hebbeln, Dierk, *Centre of Environmental Sciences,* MARUM Bremen: The MEBO drilling in the Alboran Sea.

Lauridsen, Bodil, *Dept. of Geology,* University of Copenhagen, and **Bjerager, Morten**, *Dept. of Stratigraphy,* Geological Survey of Denmark and Greenland: The role of Boreal carbonates.

Lapointe, Philippe, *oil industry,* France: Carbonate systems – the industrial perspective.

Neuweiler, Fritz, *Biosedimentology Research Group* at University of Laval: Organomineralization in recent and ancient carbonate mounds.

Raddatz, Jacek, *Ocean Circulation and Climate Dynamics, Marine Biogeochemistry*, GEOMAR Helmholtz Centre for Ocean Research Kiel: Chemical proxies for cold-water carbonates.

Roberts, J. Murray, *Centre for Marine Biodiversity & Biotechnology,* Heriot Watt University: biology and ecology of cold-water corals carbonate mounds.

Van Rooij, David, *Dept. of Geology and Soil Science*, Ghent University: Contourite deposits associated to cold-water carbonate systems in the North Atlantic.

Vertino, Agostina, *Department of Environmental, Territory and Earth Sciences,* University of Milano-Bicocca: Biological diversity and structure of cold-water coral ecosystems through time.

Session 2: Microbial carbonate mounds in extreme settings

KEYNOTE:

Riding, Robert*, Dept. of Earth and Planetary Sciences,* University of Tennessee, USA: Microbial carbonate mounds in marine and continental settings.

Taviani, Marco, *Inst. of Marine Science - National Research Council,* ISMAR-CNR, Bologna: Role of chemosynthetic organisms in carbonate deposition.

Anzalone, Erlisiana, *Inst. for Coastal Marine Environment,* CNR Marine Geological Institute, Naples: Cyclicity and climate changes recorded in travertines.

Stadniskaya, Alina, *Marine Organic Biogeochemistry,* Royal Netherlands Institute for Sea Research: Deep carbonates and the role of bacteria.

De Boever, Eva, *Dept. of Earth and Environmental Sciences,* KU Leuven: Cold seeps and fluid migration in carbonate systems.

Cavalazzi, Barbara, *Dept. of Biological, Geological and Environmental Sciences,* University of Bologna: Geomicrobiology of hydrothermal and cold seep-derived deposits.

Della Porta, Giovanna, *Dept. of Earth Sciences,* University of Milan: Non-marine carbonates – microbially mediated vs. abiotic fabrics and porosity.

Schroeder, Stephan, *School of Earth, Atmospheric and Environmental Sciences,* University of Manchester: The role of microbial carbonates as reservoirs.

Arp, Gernot, *Geobiology Group* at University of Göttingen: Biofilm calcification and microbialite formation in different settings.

Birgel, Daniel, *Dept. of Geodynamic and Sedimentology,* University of Vienna: Lipid biomarker in authigenic sediments.

Ariztegui, Daniel, *Section of Earth and Environmental Sciences,* University of Geneva: Lacustrine subsurface biosphere and its impact on early diagenesis.

Kidane Tesfaye, *University of Addis Abeba,* rift and continental carbonates of Afar, structural geology

Session 3: Carbonate Mounds as World Heritage record

KEYNOTE:
Surlyk, Finn, *Dept. of Geology,* University of Copenhagen: The UNESCO World Heritage Center, Stevns Klint.

Suzyumov, Alexei, *former staff at UNESCO,* Paris: The UNESCO World Heritages – Concepts.
Kiessling, Wolfgang, *GeoZentrum Nordbayern, Section Palaeoenviromental Research,* University of Erlangen: The integration of the PaleoReef and COCARDE data base.
Hart, Malcom, *Faculty of Science and Environment,* University of Plymouth: The English Riviera Geopark.
Henriet, Jean-Pierre, *Dept. of Geology and Soil Science,* Ghent University: Proposal for a new UNESCO site in Morocco – La route royale des monts carbonates.
Brunsden, Denys, *Geomorphology,* King's College London: The Dorset and East Devon Coast for World Heritage Site.
Gianolla, Piero, *Dept. of Earth Sciences,* Università degli Studi di Ferrara: The Dolomites UNESCO World Heritage (site of pre- or post-conference excursion).
Bahamonde, Juan, *Dept. of Geology,* University of Oviedo: The National Park of Pico d'Europa, Cantabria-Léon.
Di Stefano, Pietro, *Dept. of Geology,* University of Palermo: The Madonie Geopark.
Wheeler, Andy, *School of Biology, Earth and Environmental Sciences,* University College Cork: Habitat mapping for marine conservation of Recent carbonate mounds.
Stockar, Rudolf, *Cantonal Museum of Natural History, Lugano*, and University of Lausanne: The Breggia Gorge Park.