



# CBEP2020

*Second Circular* updated 27 Mar 2020

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## Climatic and Biotic Events of the Paleogene

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Bremen, Germany

Aug 31 – Sept 3, 2020

[www.marum.de/CBEP2020](http://www.marum.de/CBEP2020)

**Registration**

**starting 1 March 2020**

updated 27 Mar 2020

**Abstract submission**

**1 March to 15 June 2020**

updated 27 Mar 2020

## From Land to Sea

We welcome you cordially to Bremen, a charming modern city with a touch of hanseatic flair located at the banks of the Weser river, close to the North Sea coast.

CBEP2020 will provide a multidisciplinary stage for exciting scientific contributions, hot discussions, and new concepts to explore the climate and biota of the Paleogene. The Paleogene Period was a time of extremes and transitions, characterized by climatic conditions largely unfamiliar to us today but saw the rise of essentially modern continental configurations, biotic communities, and biogeochemical regimes.

We welcome you to participate and are looking forward meeting you in Bremen in late August/early September 2020!

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## Venue CBEP2020

The International Conference „Climatic and Biotic Events of the Paleogene (CBEP) 2020“ will take place in Bremen, Germany, at the University Bremen (GW1 Hörsaalgebäude (HS), Universitätsallee, 53°06'21.4"N 8°50'39.2"E). Directly connected to the airport Bremen, the venue is just 5 km north of the historic center with nearby accommodation and excellent transportation connections to all sites of importance and features of interest.



Credit: Universität Bremen

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## Registration / Accommodation

Registration at standard rates is possible from 1<sup>st</sup> March until 15<sup>th</sup> August 2020. Please register online at the CBEP2020 website [marum.de/cbep2020](https://marum.de/cbep2020).



Credit: Ingrid Krause / BTZ Bremer Touristik-Zentrale

A discount on the registration fee will be available during Early Bird registration from 1 March through 15 June (**updated 27 Mar 2020**).

Bremen offers an extensive range in accommodation like Hotels, Pensions, and Bed & Breakfast across town. Participants are urged to **book accommodation early** as demand for accommodation in Bremen in the summer is always high. For a list of recommended accommodations see the CBEP2020 webpage.

Public transport is convenient and will take you to the venue easily (~35 minutes from the airport, 15 minutes from the central station). We recommend to book a 7-day-ticket from the BSAG public transportation company.

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## Social Events

Please check for details on social, cultural, and historical attractions in Bremen here <https://www.bremen-tourism.de>.

For the conference a range of events are planned including a Group Dinner, guided City Tour, Craft Beer Brewery Tour, Tour to the *Bremer Ratskeller* (Wine Cellar, since 1405 AD). Most locations have limited access and therefore require early registration! For details and updates please check [marum.de/CBEP2020](https://marum.de/CBEP2020).

## Field trips

The following pre-meeting and post-meeting field trips will be organized for CBEP 2020:

### **Spiekeroog: Geology, Sedimentology and Aktuopaleontology of a Barrier Island**

(Axel Wehrmann) – One Full Day

29 August 2020 (Saturday)



Credit: A. Wehrmann/Senckenberg

The full-day excursion will give insight into the Holocene evolution of the Wadden Sea and its principle (bio-)sedimentary processes following a transect from the backbarrier tidal flats to the salt marshes and eolian dunes ending at the seaward-exposed beach of the island.

### **Classic Upper Jurassic to Paleogene sections of southern Lower Saxony**

(Jochen Erbacher) – Two Full Days

4-5 September 2020 (Friday/Saturday)



Credit: J. Erbacher/BGR

Visit a couple of classic outcrops that are representing the sedimentary succession in the Jurassic to Neogene epicontinental Lower Saxony Basin (LSB). The LSB is a sub-basin of the Southern Permian Basin. Its evolution is

strongly influenced by the opening of the North Atlantic during the Jurassic and by successive salt diapirism resulting in a complex paleomorphology with submarine swells, islands and local basins. The outcrops visited show Jurassic to Miocene sedimentary rocks such as carbonates, sands, clays and coals.

Participants of the field trip will receive a concise and representative overview of the Jurassic to Neogene succession in a marginal setting of the Southern Permian Basin, including some aspects of German fairy tales, history and beer.

### **North Sea Island Helgoland**

(Torsten Bickert) – One Full Day

4 September 2020 (Friday)



Credit: T. Bickert/MARUM

Visit the rocky offshore island of Helgoland. Situated on the NE flank of a salt dome of Zechstein evaporites, the main island together with its smaller part, the Dune, allows to study the Mesozoic to Quaternary sedimentary and structural development of the SE North Sea region. A review on historic studies combined with new aspects on the facies and mineralogy of Triassic *Buntsandstein* deposits will be presented on the famous western cliff of Helgoland towards the Lange Anna, complemented by a short inspection of the mineral and fossil collections of the local museum.

Field trip participation is limited, book early! For details check [marum.de/CBEP2020](http://marum.de/CBEP2020).

## Scientific Sessions

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### Theme 1: Habitable Planet: Learning from Past Environments

*(Pincelli Hull, Steve Bohaty)*

Session 1.1: Planetary States and State Changes

Session 1.2: Resilience and Adaptation (and sometimes not)

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### Theme 2: Trends and rhythms in Climate, Paleocology and Paleodiversity

*(Claudia Agnini, Laia Alegret, Matt Huber)*

Session 2.1: Lessons from the "boring background": How orbital-scale and long-term changes in climate and environment affect past ecosystems?

Session 2.2: Abrupt climate upheavals: Patterns, magnitudes and rates in the response of the biosphere

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### Theme 3: Biogeochemical Cycles

*(Bernard Boudreau, Sandra Kirtland Turner)*

Session 3.1: CaCO<sub>3</sub> Production, Dissolution and Accumulation over the Paleogene

Session 3.2: Reconstruction of atmospheric greenhouse gas concentrations from the late Cretaceous through the Oligocene

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### Theme 4: Tectonics, Surface Environments and Hydrological Processes

*(Edoardo Dallanave, Pete Lippert)*

Session 4.1: Source-to-sink sedimentation during warm intervals of the Paleogene

Session 4.2: Impact of paleogeography on our understanding of Paleogene climate records

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### Theme 5: New ways forward to access climate processes – advances in proxy development

*(Ellen Thomas, James C. Zachos)*

Session 5.1: Paleoproxies: New Developments and Applications

Session 5.2: Proxies for Earth Surface Temperatures and pCO<sub>2</sub>

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### OPEN Themes

*(Appy Sluijs)*

Session 6.1: Think outside the box

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## Keynote lectures

*Dr. Gordon Inglis (School of Ocean and Earth Science, University of Southampton, UK)*

*Prof. Dr. Bärbel Hönlisch (Lamont-Doherty Earth Observatory, Columbia University, USA)*

*Prof. Dr. Brian Romans (Virginia Tech University, USA)*

*Prof. Dr. Claudia Agnini (Padua University, Italy)*

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## Call for Workshops

If you want to get together with current or new collaborators for workshops during CBEP2020, we offer space and time.

The **afternoon of Wed, 2 Sept 2020**, would provide opportunities to gather in smaller groups for discussing ongoing matters or planning future initiatives.



Credit: V. Diekamp/MARUM

Located at MARUM – Center for Marine Environmental Sciences of the University of Bremen, the **IODP Bremen Core Repository (BCR)** holds sediment cores from over 90 expeditions. The Bremen Core Repository is also the home of the Bighorn Basin Coring Project (**BBCP**) cores. Explore beyond the Paleogene at CBEP2020 and consider a workshop!

Please tell us as soon as possible (but no later than 15 June 2020; **updated 27 Mar 2020**) if you plan to organize a small workshop and for how many participants you anticipate to design it!



BBCP cores @MARUM (Credit: U. Röhl/MARUM)

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## Important dates, deadlines, and registration fee – **updated 27 Mar 2020**

**15 June 2020** **updated 27 Mar 2020**

Deadline for abstract submission

**1 Mar to 15 June 2020** **updated 27 Mar 2020**

Early bird registration (€250.-)

**16 June to 15 Aug 2020** **updated 27 Mar 2020**

Regular online registration (€300.-)

**After 16 August and on-site**

Increased Conference fee (€350.-)

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## Contact Us

Any questions or comments? Please get in touch with us!

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E-Mail: [cbep2020@uni-bremen.de](mailto:cbep2020@uni-bremen.de)

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CBEP2020

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