

# Cyclostratigraphy Newsletter, March 2022

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Hello and thanks for reading Cyclostratigraphy Newsletter number 4.

This newsletter introduces a new initiative for monthly get-togethers to discuss cyclostratigraphy, several conference sessions and newly recorded podcasts on recent cyclostratigraphic findings. You are very much invited to get in touch if you have news, publications, job opportunities or events that you would like to see included in the next newsletter.

Best wishes,

Sietske Batenburg, sbatenburg@ub.edu

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## 1. CycloCafé

Save the date: 17 June 2022 at 07:00 AM UTC, for the first session of the Cyclocafé! The Cyclocafé is a new get-together to discuss anything cyclostratigraphy-related in an informal setting. If cyclostratigraphy is new to you, or if you would like some advice on how to approach a new record or research topic, you are warmly invited to join.



(image borrowed from the Cyclo café in Vellore, Tamil Nadu)

A note from the organisers:

### ***Cyclocafé: A problem shared is half solved.***

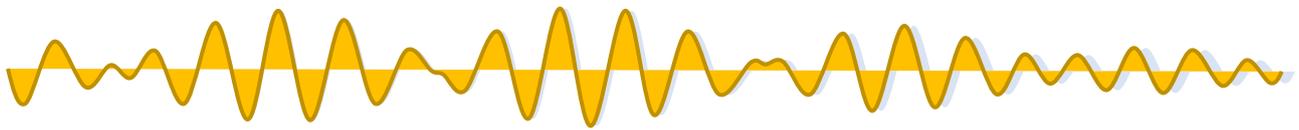
*Successful cyclostratigraphic studies require many decisions and interpretations. Young early-career cyclostratigraphers in particular might feel overwhelmed by the many many judgements to make, often accompanied by doubts as to which setting to use, or how to interpret a specific result. To eliminate these uncertainties and to ultimately improve the quality of cyclostratigraphic studies, a CycloCafé will be organized on a monthly basis starting June 17th, 2022.*

*To accommodate different time zones, the meetings will alternate between 07:00 AM UTC (afternoon in Australasia), and 15:00 UTC (morning in the Americas). The CycloCafé is a virtual Zoom room where starting cyclostratigraphers can discuss their problems among themselves, under the guidance and direction of experienced cyclostratigraphers. The first meeting will happen under the guidance of Mingsong Li (Peking University, China) and David De Vleeschouwer (Münster University, Germany).*

Join us in Zoom room number 661 993 27887 (no password) at 07:00 AM UTC.  
<https://www.zoom.us/j/66199327887>.

The Cyclocafé meetings will take place once a month, you can find the dates and times [here](#).





## 2. Podcasts on cyclostratigraphy.org

Three new podcasts are available on the [cyclostratigraphy.org](http://cyclostratigraphy.org) website, showcasing new findings.

In the sixth [podcast](#), Margriet Lantink presents her 2019 [Nature Geoscience paper](#), in which she demonstrated a climate control on Banded Iron Formations from South Africa. In this podcast, she elucidates how cyclostratigraphy and radio-isotopic dating were both essential in coming to her interpretation. She also shares her vision on what's next in researching the early days of Planet Earth.



The seventh [podcast](#) is the first double-interview! Two new papers came out, discussing the response of ocean productivity to astronomical forcing: Clara Bolton and her colleagues focus on the Pleistocene in [Nature](#), whereas Boris Karatsolis and his team deal with the [Mio-Pliocene biogenic bloom](#). Their results seem contradicting at first, but this episode of cyclopod reveals that these two geologic time windows have more in common than expected.

[Podcast](#) number 8 is by Simin Jin (China University of Geosciences Wuhan). In her 2022 Earth and Planetary Science Letters [paper](#), Simin investigates the most expanded Paleocene - Eocene Thermal Maximum section known to date: a siliciclastic turbidite sequence from the North Sea!



## 3. Conferences and workshops

At the **EGU General Assembly 2022**, 23–27 May 2022, Vienna Austria and online, several sessions highlight cyclostratigraphy:

- Session [EMRP3.3](#): Magnetostratigraphy and Rock Magnetic Cyclostratigraphy
- Session [SSP2.2](#): Integrated Stratigraphy - Recent advances in stratigraphic systems and age modelling to constrain rates of change in the Earth System
- Session [CL1.1.4](#): Climate response to orbital forcing
- Session [NP3.2](#): Climate Variability Across Scales and Climate States
- Session [SSP2.1](#): Phanerozoic stratigraphy, paleoceanography, and paleoclimate



A short-course highlights the development of age models:

Short course [SC4.10](#): Application of age models in palaeoclimatology and geomorphology

And another short course introduces statistical methods to investigate cyclicity:

Short course [SC4.15](#): Introduction to time series analysis for Earth scientists





**21<sup>st</sup> INTERNATIONAL  
SEDIMENTOLOGICAL  
CONGRESS**  
August 22-26, 2022 BEIJING

The 21<sup>st</sup> **International Sedimentological congress** will take place in Beijing, China, and online from 22–26 August 2022. Abstract submission is open until 4 April 2022, and early bird registration until 1 May 2022.

Two [sessions](#) focus on the role of astronomical forcing:

- Session T1-6: Astronomical forcing of Earth's paleoclimate and sedimentation systems
- Session T1-8: Astronomically forced climate warming events and hydrocarbon generation

The 11th **International Cretaceous Symposium** will be in Warsaw, Poland, as well as being streamed online, from 22–26 August 2022. Abstract submission is open until 30 April 2022, and a session is dedicated to cyclostratigraphy:

[Session 5](#): Cretaceous geochronology, timescales, astrochronology and cyclostratigraphy



The 11<sup>th</sup> **International Congress on the Jurassic System** will be in Budapest, Hungary, from 29 August to 2 September, 2022. Abstract submission is open until 1 May 2022, and there is a [session](#) highlighting integrated stratigraphy: Jurassic biostratigraphy, integrated stratigraphy and time scale

The **21<sup>st</sup> annual conference** of the International Association for Mathematical Geosciences will take place in Nancy, France, from 29 August 2022 to 3 September, 2022, with a session dedicated to the legacy of Prof. Walther Schwarzacher

[Session 16](#): Time series analysis in Geosciences: an homage to Professor Walther Schwarzacher

A special issue of the Boletín Geológico y Minero (vol 131, issue 2) on Cyclostratigraphy will be distributed, and is available online [here](#).



#### 4. Job/Research Opportunities and Cyclostratigraphy publications

If you know of a cyclostratigraphy opening and would like to spread the news, do send an [email](#).

A selection of articles will be included in the next newsletter. If you would you like to see your work included in a future newsletter, or if you would like to share other news, get in touch.

And finally, consider submitting a manuscript to [Cyclostratigraphy and Rhythmic Climate Change](#).

Feel free and encouraged to distribute this newsletter further. If you know of conferences, workshops, job opportunities, or if you would like to share other news related to cyclostratigraphy, please do not hesitate to email. Subscribe or unsubscribe from this newsletter by writing to [sbatenburg@ub.edu](mailto:sbatenburg@ub.edu). The newsletter will be available for download on [www.cyclostratigraphy.org](http://www.cyclostratigraphy.org).

