

Cyclostratigraphy Newsletter, June 2021

Hello,

Welcome to the first Cyclostratigraphy Newsletter! This quarterly newsletter aims to collect and distribute news on cyclostratigraphic topics, ranging from new research findings to upcoming job opportunities and events. If you have any news that you would like to see included, or if you want to register for or opt out of receiving this newsletter, please send an email.

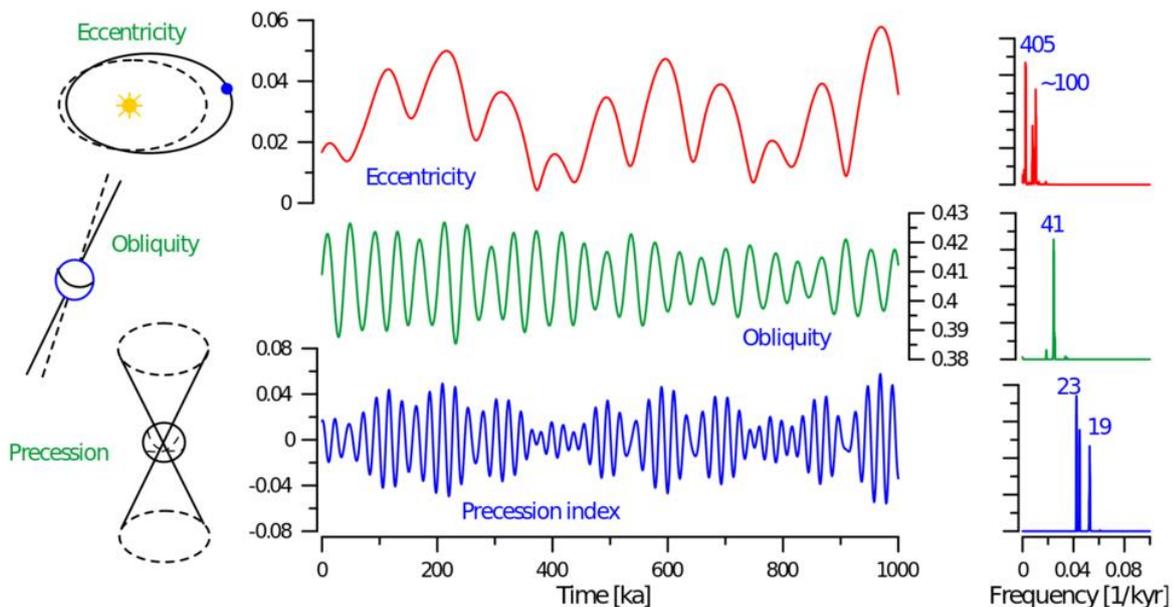
This newsletter kicks off with two major announcements and lists conferences/workshops that highlight cyclostratigraphy. Enjoy and best wishes!

Sietske Batenburg, sbatenburg@ub.edu

The study of astronomical climate forcing is a rapidly expanding field, and two exciting initiatives aim to bring the cyclostratigraphic community together and to provide reliable information and tools:

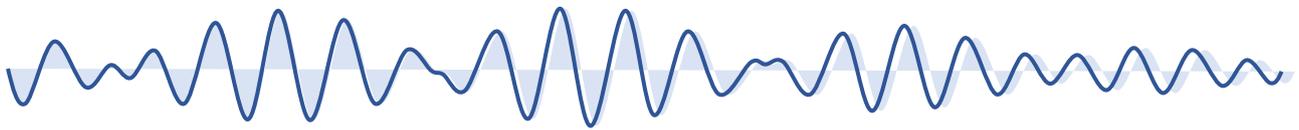
1. A new online resource: www.cyclostratigraphy.org

This new [website](http://www.cyclostratigraphy.org) is an online gathering space for anybody interested in cyclostratigraphy. You can find educational material for both teachers and students, as well as new research insights.



An example of material from the free-to-use figure repository at www.cyclostratigraphy.org.





The online learning platform presents a [lecture series](#) that starts with an introduction by Frits Hilgen. This will be followed by regularly updated topical lectures by other experts in the field, including Linda Hinnov, Heiko Pälike and Stephen Meyers.

In a newly launched [podcast series](#), researchers Theresa Nohl and Hamdi Omar each highlight newly published findings.

The website arises from the Cyclostratigraphy Intercomparison Project (CIP), which brought researchers together to assess the robustness of methods, and showed that cyclostratigraphy is a trainable skill. In the words of initiators Matthias Sinnesael, Christian Zeeden and David De Vleeschouwer:



“Cyclostratigraphy.org is an online convergence place for all cyclostratigraphers. As such, this website aims at offering reliable information and tools for high-quality learning and teaching, as well as a platform for scientific discussion and the exchange of innovative ideas.”

Hungry for more seminars?

- Matthias explains CIP and the website in [this presentation](#) for the [Pal\(a\)eoPercs seminar series](#).
- Check out these [seminars](#) organized by Jacques Laskar in the context of his ERC AstroGeo.

2. A new dedicated journal: *Cyclostratigraphy and Rhythmic Climate Change*

Are you working on a cyclic record and are you looking for a suitable journal? Or are you developing a thorough review paper to help others find their way in the field of astrochronology? We are developing a new journal dedicated to cyclostratigraphy with the publisher [Opscidia](#) that will be open access and free of charge for both readers and authors.

From the journal's mission statement:

“Cyclostratigraphy and Rhythmic Climate Change (CRCC) is an international open access peer-reviewed online journal (using DOI) publishing original research articles focused on cyclostratigraphic records, orbital, sub-orbital or seasonal records of climate change and integrated stratigraphy with a cyclostratigraphic component.”

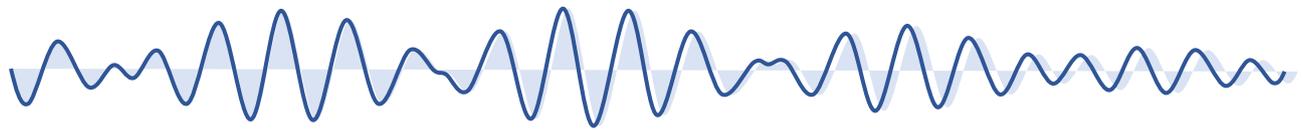
Examples of the scope of the journal include: - the orbital and seasonal expression of climate change on Earth and other planets; - theoretical models and new analytic tools; - cyclicity in ice cores / varves / biological archives / marine and continental sediments; - improvements of the Geologic Time Scale; - the influence of orbital configurations on geochemical cycles.

If you are working on cyclic records from any time period, any environment and any archive, you are invited to submit a manuscript to Cyclostratigraphy and Rhythmic Climate Change. We have a team of associate editors from a wide range of disciplines, and are currently working on the details of manuscript handling. The journal will launch in the coming months, feel free to contact us,

The co-editors in chief:

Nicolas Thibault, University of Copenhagen, nt@ign.ku.dk
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3. Conferences and workshops

The **IAS meeting of sedimentology**, 21–25 June 2021 (online) will have several sessions that highlight cyclostratigraphic studies within

[T05 Theme 5: Stratigraphic archives of evolution of climate, oceans, and biota:](#)

T05-SS01 – Paleozoic ocean, lands, ecosystems and climate imprinted in sedimentary strata: New insights from high-resolution proxies

T05-SS03 – Understanding a greenhouse Earth: Climate, sea level, ocean circulation and biogeochemical cycles in the Cretaceous

T05-SS08 – Diagenetic signals in the sedimentary record of environmental change



The **GeoKarlsruhe 2021**, 19–24 September (online), will have a dedicated session:

[Session 5.1](#) The imprint of astronomical climate forcing: geochronometer and paleoclimate archive

The **Réunion des Sciences de la Terre**, 1–5 November 2021, Lyon, France is scheduled to take place in-person, and has several [sessions](#) of interest, including:

T14.1 Stratigraphie intégrée - Temps géologique - Calibration astronomique

Upcoming meetings of interest:

[Goldschmidt 2021](#), 4–9 July, online meeting, open for registration

[AOGS2021](#), 1–6 August, online meeting, open for registration until 16 June

[GSA annual meeting](#) 2021, 10–13 October, in-person, registration and abstract submission opens in June

Recent meeting:

EGU 2021 (online) had several sessions and award lectures that highlighted orbital forcing, and abstracts are available online:



[CL1.8](#) Climate response to orbital forcing

[SSP 2.1](#) Phanerozoic Stratigraphy, Paleoenvironments, and Paleoclimate

[SSP2.3](#) Integrated Stratigraphy - Recent advances in reconstructing Earth System and human dynamics.

[CL 2020/2021](#) Milutin Milankovic Medal Lectures & 2020 Arne Richter Award for Outstanding ECS Lecture

[SSP 2020/2021](#) Jean Baptiste Lamarck Medal Lectures & Division Outstanding ECS Award Lectures

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. The newsletter will be available for download on www.cyclostratigraphy.org.

