



Cyclostratigraphy Newsletter, Feb 2025

Hello and welcome to Cyclostratigraphy Newsletter number 13,

This newsletter includes news on a summer school, research opportunities, conferences and publications.

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, s.j.batenburg@uu.nl

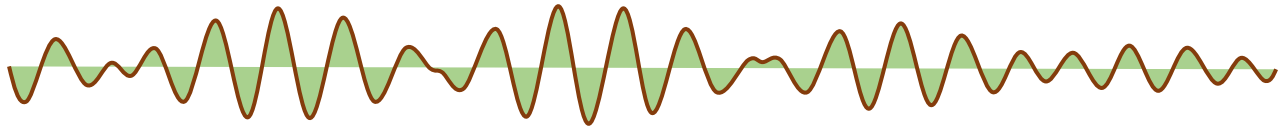
1.1 Cyclostratigraphy Field Training School 2025

Following a successful Cyclostratigraphy field school in 2023, a new edition will take place in September this year. A message from the organisers:

In the context of the Cyclostratigraphy Intercomparison Project and the CycloNet project funded by the Research Foundation Flanders (FWO) we offer graduate students the opportunity to join a one-week field training course in cyclostratigraphy. After a general theoretical introduction and field day (in the iconic area around Gubbio), students will be spread out for logging and sampling. They will measure their own stratigraphic column, and possibly also proxy data on the outcrop or on samples taken (e.g. magnetic susceptibility or handheld XRF).



Further, students will be instructed in the use of spectral analysis tools using their own acquired (and existing) data, and guided towards formulating working hypotheses that will be presented, discussed and compared to the existing literature. This workflow should introduce the students in a friendly and hands-on environment with most of the basic steps of carrying out a cyclostratigraphy study. The course is planned as field school for beginners in cyclostratigraphy, at the same time we will do our best to support the development of also more experienced participants.



PRACTICAL DETAILS:

WHERE: Osservatorio Geologico di Coldigioco, Cda. Coldigioco 4, 62021 Apiro (MC), Italy.

WHEN: Sunday September 7th – Sunday September 14th, 2025.

COSTS: Registration fee of 300 euro per participant, all other local costs will be covered by CycloNet. This fee includes accommodation, food, local transport and other related expenses. Note that accommodation will be shared. Participants are responsible for their own transport to the location of the event. Waivers for the registration fee can be considered for participants from developing countries.

WHO & REGISTRATION: Places are very limited, and priority will be given to: 1) master and PhD students working in the field of cyclostratigraphy, 2) a diverse representation of institutions, prioritizing CycloNet partners, 3) motivational statement and 4) timely payment of the registration fee.

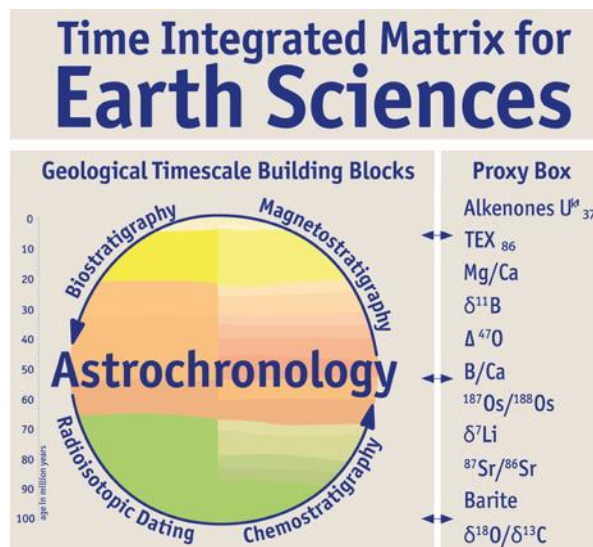
You are requested to send your expression of interest by May 15th 2025, formally apply by 10th July.

E-mail cyclostratigraphy@leibniz-liag.de to express your interest in joining, including a short paragraph on your background and motivation to join the field school.

2. TIMES

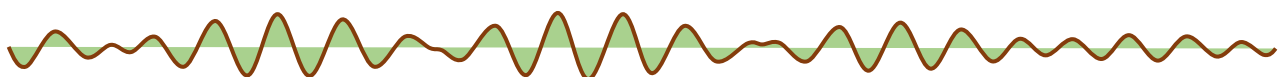
The TIMES initiative, which stands for Time Integrated Matrix for Earth Sciences, aims:

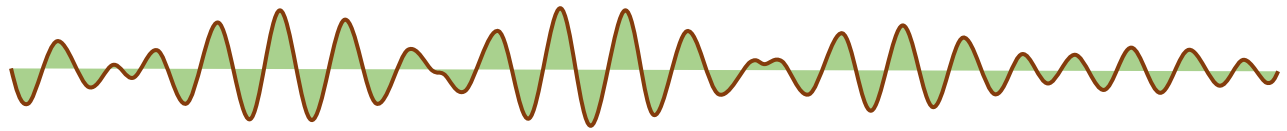
To establish and coordinate a new international network to synchronise age models of scientific ocean drill cores and outcrops spanning the last 100 million years



The coordination network is currently being developed. If you want to get involved or join the effort, please go to the [TIMES website](#), where you will also find information on the different working groups, a time line, and a prospected kick-off meeting.

A [white paper](#), titled 'Timing is everything', has just been published and is a call for action to accurately synchronize age models for critical geological climate records of the last 100 million years.





3. Conferences and meetings

In June, a CycloNet meeting will take place in Utrecht, the Netherlands, as part of the European Cyclostratigraphy Network funded by the Research Foundation Flanders (FWO). The overarching theme will be reproducibility, reporting, and methodology in cyclostratigraphy.

The preliminary program is:

Thursday 26 June:

- workshops, including age-depth modeling, stratigraphic forward modeling, and open data and science,
- keynote plenary presentations

Friday 27 June:

- community contributions and development of a white paper

Saturday 28 and Sunday 29 June: fieldtrip to rhythmic sequences in Belgium



The meeting will offer the option for online attendance.

Email n.h.hohmann@uu.nl to express your interest in this meeting. Detailed information and a registration link will be provided soon.

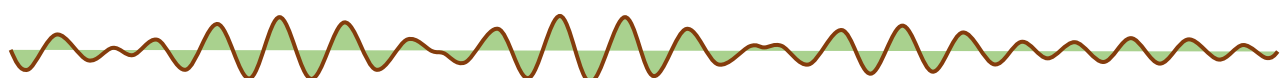


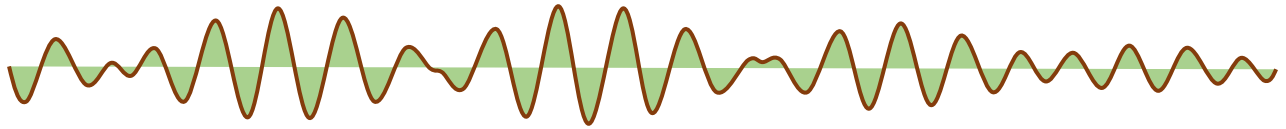
The [EGU General Assembly 2025](#) will be from 27 April to 2 May 2025 in Vienna, Austria, and features a [session](#) on “Orbital forcing of global and regional events throughout Earth history”. Early bird [registration](#) rates are available until 31 March.

The International Association of Sedimentologists (IAS) will hold the [38th International Meeting of Sedimentology](#) in Huelva, Spain, from 26th - 28th June 2025. Early-bird [registration](#) runs until 16th April 2025.



The Asia Oceania Geosciences Society organises [AOGS 2025](#) from 27 July – 1 August 2025. [Abstract](#) submission is open until 28 February.





A [Gordon Research Seminar](#) on 16 August will be followed by the [Gordon Research Conference](#) on Geochronology, which will take place from 17–22 August in Newry, Maine, USA. A varied program with a diverse range of speakers and discussion leaders from institutions and organizations worldwide, will concentrate on the latest developments in geochronology. Applications can be submitted until 20 June.



The [12th International Cretaceous Symposium](#) is scheduled for 31 August to 5 September 2025 in Hannover, Germany. The [program](#) is now online and [abstracts](#) can be submitted until 29 April.



The 15th [International Conference on Palaeoceanography](#) (ICP15) will take place in Bangalore, India, from 31 August to 5 September. Abstract submission and [registration](#) are open until 30 April.



“Towards a process-based understanding of the Mediterranean Neogene”

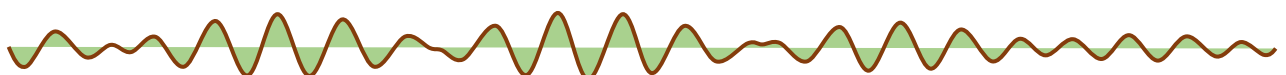
is an [interim colloquium](#) organised by the Regional Committee on Mediterranean Neogene Stratigraphy in honour of the retirement of Frits Hilgen. The meeting

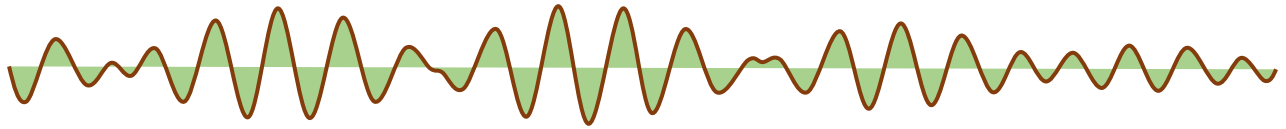
will be in Catania, Italy from 29 Sep. to 4 Oct. 2025, including a two-day excursion to key sites on Sicily. You can express your interest in this [form](#) and send it to isabella.raffi@unich.it.

4. Research opportunities

Two reminders (see the previous [newsletter](#) for details):

- If you are interested in contributing to a **Special Issue** on non-conventional cyclostratigraphic studies and results, email Nina Wichern (nwichern@uni-muenster.de).
- If you want to be involved in a community effort to improve the **Aptian time scale**, contact Mathieu Martinez (mathieu.martinez@univ-rennes.fr).





A PhD position at Liege University (Belgium) will focus on the cyclostratigraphy of the Devonian-Carboniferous crisis, aiming to quantify the relative timing and rates of expansion of oxygen depletion through Late Devonian anoxic events across various basins. The project will be a joint PhD with Münster University (Germany). The application deadline is 17 March.

Contact ac.dasilva@uliege.be and ddevlees@uni-muenster.de for more information and to apply.

Several [fully funded PhD positions](#) are available at Khalifa University, Abu Dabi, United Arab Emirates, of which several positions focus on climate in the polar regions in deep time: for example the project entitled “A World in Flux: Exploring the Polar record of Triassic Climate Change”. Applications are open until the positions are filled.



LUND
UNIVERSITY

At Lund University in Sweden, several PhD positions are advertised, in:

- [Computational science](#) with a focus on geomagnetic field, solar activity and paleoclimate
- [Ice-core research](#) with a focus on past solar activity and solar storms. The deadline for applications is 9 March.

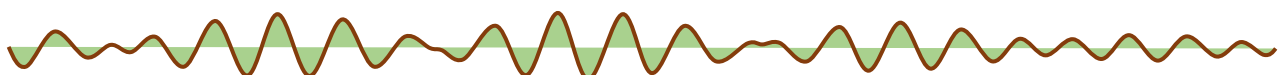
The Nanjing Institute of Geology and Palaeontology is looking for a [Postdoctoral Research Associate in Geochronology](#), with a scientific interest in radio-isotopic geochronology, (litho-, chemo-, cyclo-) stratigraphy, or geochemistry. The project will mainly focus on, but not limited to, the Neoproterozoic and Cambrian. The deadline for applications is 14 March.

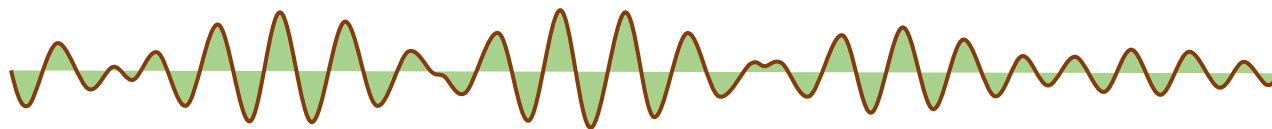


GEUS

GEUS in Denmark is calling for applications for a [Postdoctoral Researcher in paleo-environmental geochronometry and mineralogy](#), to to construct paleo-records of glacial erosion and climate history based on mineralogy and isotope geochronometry of glacial-marine sediments. The application deadline is 17 March.

A [Professorship in marine geology](#), with specialisation in sedimentology, is advertised at the Université du Québec à Rimouski, Canada. Fields of interest include stratigraphy, paleoceanography and geochronology. The application deadline is 2 March.





5. Publications

A selection of recent papers in the field of cyclostratigraphy and orbital forcing:

- Curtis, A., Bloem, H., Wood, R., Bowyer, F., Shields, G.A., Zhou, Y., Yilales, M. and Tetzlaff, D., 2025. Natural sampling and aliasing of marine geochemical signals. *Scientific Reports*, 15(1), p.760.
- Gérard, J., Sablon, L., Huygh, J.J., Da Silva, A.C., Pohl, A., Vérard, C. and Crucifix, M., 2025. Exploring the mechanisms of Devonian oceanic anoxia: impact of ocean dynamics, palaeogeography, and orbital forcing. *Climate of the Past*, 21(1), pp.239-260
- Gilabert, V., Batenburg, S.J., Arz, J.A., Baumann, N.B., Regelous, M. and Arenillas, I., 2025. Evaluation of the main drivers of environmental and climatic changes of the sea-surface across the Cretaceous-Paleogene transition: A global perspective. *Geobios*, 88, pp.125-137.
- Hilgen, F., 2025. Revised astrochronology for the lower to middle Miocene of IODP site U1337. Implications for the Cenozoic megasplice (CENOGRID). *Palaeogeography, Palaeoclimatology, Palaeoecology*, p.112748.
- Nohl, T., Munnecke, A. and Wright, V.P., 2025. Bedding and bedding surfaces in carbonate and mixed carbonate–siliciclastic successions part 1: a critical evaluation of biases in identification and interpretation across disciplines and schools. *Geological Society, London, Special Publications*, 556(1), pp.SP556-2024.
- Thibault, N., Lauridsen, B.W., Schovsbo, N.H., Anderskov, K., Bjerrum, C.J., Korte, C., Martinez, M., Morigi, C., Stemmerik, L. and Ullmann, C.V., 2025. The Late Maastrichtian Rørdal Member (Denmark): a remarkable window of climatic, environmental and biotic changes at orbital timescales. *Geological Society, London, Special Publications*, 545(1), pp.SP545-2023.
- Tojima, M., Ikeda, M. and Matsuzaki, K.M., 2025. Orbital-scale biotic and paleoceanographic changes in Japan Sea during the late Miocene global cooling (LMGC). *Marine Micropaleontology*, p.102448.
- Westerhold, T., Agnini, C., Anagnostou, E., Hilgen, F., Hönisch, B., Meckler, A.N., Pälike, H., Wade, B., Sosdian, S. and Kasbohm, J., 2024. Timing is everything. *Paleoceanography and Paleoclimatology*, 39(12), p.e2024PA004932.
- Zeebe, R.E. and Kocken, I.J., 2025. Applying astronomical solutions and Milanković forcing in the Earth sciences. *Earth-Science Reviews*, p.104959.
- Zhang, Q., Fu, X., Su, S. and Zeng, S., 2025. Astronomical forcing of the paleoclimate and sedimentary noise modeling of sea-level changes in the Late Triassic. *Palaeogeography, Palaeoclimatology, Palaeoecology*, 659, p.112638.
- Zivanovic, M. and Sinnesael, M., 2025. Eccentricity curve estimation from geological data using sinusoidal modeling. *Computers & Geosciences*, 196, p.105866.

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 want to share other news, get in touch.

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 s.j.batenburg@uu.nl. The newsletter will be available for download on www.cyclostratigraphy.org.

