

Cyclostratigraphy Newsletter, Sep 2023

Hello and welcome to Cyclostratigraphy Newsletter number 8.

This newsletter includes a report on the Cyclostratigraphy field training school, and invitation for a special issue of the new journal Cyclostratigraphy and Rhythmic Climate Change, news on 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, sbatenburg@ub.edu

1. Cyclostratigraphy field school

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Opening
new
horizons

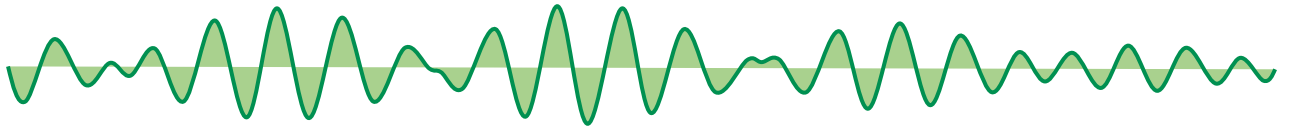


The first cyclostratigraphy field school in spring 2023 was a success! Read the report below:

Report: Cyclostratigraphy Field Training School

Osservatorio Geologico di Coldigioco, Italy, Saturday April 29th. Marked in bold red in many cyclo-fanatic agendas! Some travelled straight direction South from the EGU23 conference in Vienna with a 06:00 AM train, while others joined directly from their home institutions. A total of fourteen participants joined the 2023 cyclostratigraphy field training school, with nine nationalities representing eight different organizations in various fields of interest. After a first day of introductory lectures, we explored the general setting of the rich geological history of the Umbria-Marche Basin under guidance of local expert Alessandro Montanari. Notwithstanding the heavy rains of the following day, two groups logged various sections in the area, and took some samples to test for various geophysical property measurements. Using the logged lithological alternations and existing proxy series as input data, various software packages and basic principles of time-series analyses were introduced. The next day was used to further develop the field observations, work out spectral analyses in more detail and construct integrated cyclostratigraphic interpretations. Both groups gave impressive final presentations, that as the first solar rays of the week started appearing were rewarded with a well-deserved Italian ice-cream (or two...). The sunny last day meant a return in the field where all acquired skills were applied for one last time. The last evening session was also animated by excellent state-of-the-art lectures on various modelling aspects of astronomical parameters by our participants from the Paris Observatory.





Group picture with in the background the Bonarelli black shale layer (OAE2) and alternating light limestone and darker chert layers as seen in Furlo.

We thank the Research Foundation Flanders (FWO) for funding the CycloNet network, and the International Association of Sedimentologists (IAS) for providing student travel support. Given the success of this edition, the hope is to organize more of such schools in the future, stay tuned via www.cyclostratigraphy.org!

2. Cyclostratigraphy and Rhythmic Climate Change

The following message is on behalf of the editors of the new journal CRCC:

You may be aware of recent efforts aimed at setting up a new, dedicated journal for our community: [Cyclostratigraphy and Rhythmic Climate Change](#)

We believe that this journal can provide an important platform for bringing together our community, for sharing of the latest science and developments, and for establishing community consensus on the *best-practices* within the field.

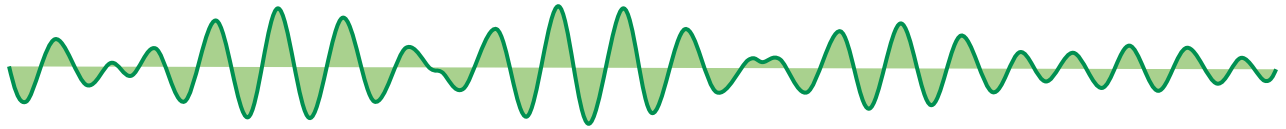
We will now launch a Special Issue, themed: *Advances in cyclostratigraphy – reconstructing geological time, palaeoclimate, and the Solar and Earth-Moon systems*

We invite and encourage you, your students and colleagues to contribute to this Special Issue.

To contribute to this Special Issue, please submit:

- i) The title of the manuscript
- ii) The list of (co-)authors
- iii) A short abstract
- iiii) Contact details of corresponding author





The deadline for registering your interest in participating in this Special Issue is: *October 31, 2023* (by email to: CRCCjournal@gmail.com).

The manuscript submission deadline is: *April 30, 2024* (through the [website](#)).

We look forward to your participation and submissions!

Nicolas Thibault (University of Copenhagen)
Sietske Batenburg (University of Barcelona)
Mathieu Martinez (University of Rennes)
Micha Ruhl (Trinity College Dublin, University of Dublin)

3. Conferences and workshops



At the [Réunion des Sciences de la Terre](#) from 30 October to 3 November in Rennes, France, several cyclostratigraphic studies will be presented. Standard registration is open.

From 15 to 18 October, the Geological Society of America organises [GSA connects](#) in Pittsburgh, Pennsylvania, USA. A [session](#) is dedicated to Cycles of climate and layers of time. Early bird registration is open until 13 September.



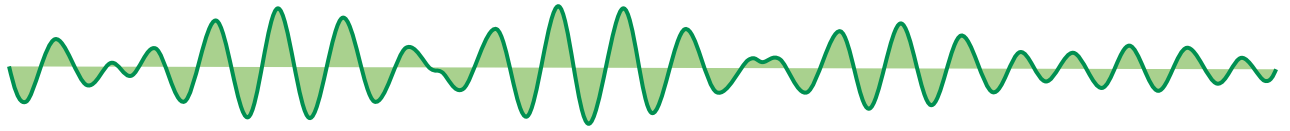
The American Geophysical Union will hold the [AGU23](#) in San Francisco and online from 11-15 December. There will be a session dedicated to Cyclostratigraphy and Astronomical Forcing of Earth's Paleoclimate System. Early bird registration is open until 2 November.

The European Geosciences Union invites [session proposals](#) for the EGU general Assembly from 14-19 April 2024. Deadline for proposals is 14 September.



The 37th International Geological Congress [IGC2024](#) will take place from 25 to 30 August 2024 in Busan, Republic of Korea. Abstract submission and registration are open.





4. Research opportunities



IODP Expedition 405 is open for applications to sail on board the Chikyu research vessel. Deadlines are 15 September for [J-DESC](#) and [ECORD](#) countries, 1 October for [ANZIC](#) and 2 October for the [USA](#).

The following job opportunities are in the field of (paleo)climate:

A series of [PhD positions](#) is open for applications at the University of Wollongong in Australia. Topics include Paleoclimatology of the Australian Summer Monsoon and Variability and drivers of Antarctica's climate over past millennia. The application deadline is 20 September.



UNIVERSITY
OF WOLLONGONG
AUSTRALIA



PRINCETON
UNIVERSITY

A [post-doctoral research position](#) is advertised at Princeton University, in cooperation with NOAA, to join a team working on quantifying and understanding changes in Earth's Radiation Budget. Deadline to apply is 16 September.

The Lamont-Doherty Earth Observatory of Columbia University invites applications for [postdoctoral fellowships](#) in the fields of earth, environmental, and climate sciences, including paleoclimate. The application deadline is 6 October.



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los Andes

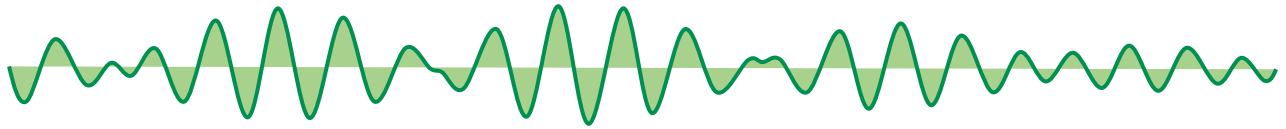
Several [post-doctoral and tenure-track faculty positions](#) are open for applications at the Universidad de Los Andes in Bogotá, Colombia in environmental geosciences, including paleoclimate. Deadline to apply is 30 September.

At Kent State University, a [tenure-track open rank faculty member position](#) is advertised focusing on interactions between the hydrosphere and other aspects of the earth sciences (lithosphere, biosphere, cryosphere and/or atmosphere). The application deadline is 30 September.



An [Assistant Professor Faculty position](#) is advertised at the University of California, Berkeley, open for candidates from all areas of earth and planetary science, including climate dynamics and climate history (including paleoceanography, paleoclimate, study of the cryosphere and physical oceanography). The application deadline is 2 October.





Multiple [faculty positions at the Assistant Professor, Associate Professor, or Full Professor level](#) are open for applications at the University of Utah, in the broad areas of climate science and impacts, including paleoclimate and Earth's history.

5. Publications

Thank you to the following researchers for forwarding their latest publications:

Blard, P.H., Suchéras-Marx, B., Suan, G., Godet, B., Tibari, B., Dutilleul, J., Mezine, T. and Adatte, T., 2023. Are marl-limestone alternations mainly driven by CaCO₃ variations at the astronomical timescale? New insights from extraterrestrial ³He. *Earth and Planetary Science Letters*, 614, p.118173.

Smith, D.G., 2023. The Orbital Cycle Factory: Sixty cyclostratigraphic spectra in need of re-evaluation. *Palaeogeography, Palaeoclimatology, Palaeoecology*, 628, p.111744.

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 sbatenburg@ub.edu. The newsletter will be available for download on www.cyclostratigraphy.org.

