

Workshop: Cyclostratigraphy Intercomparison Project 2.0.

Monday July 08 – Wednesday July 10, 2024

The Palace of the Academies, Brussels, Belgium

SECOND CIRCULAR



fnrs



fwo



INTRODUCTION

In 2024, CycloNet wants to build on the successful first CIP workshop in 2018 in Brussels by organizing a second in-person workshop from Monday July 8 till Wednesday July 10 2024 in Brussels. This second CIP workshop is open to the cyclostratigraphy community at large: everybody is invited to participate. The set-up of this workshop will be somewhat different than the first workshop in that the general aim is not necessarily focused on testing the reproducibility of cyclostratigraphy as a field. However, by using some of the successful ingredients of the first workshop we would like to bring interested people together to discuss actual topics within the field. We believe some of these key ingredients were the creation of an informal and open environment fostering discussions on how we do things, and how we can evolve as a community towards the future.

Another crucial aspect was the assignment done by the participants before coming to the workshop. We therefore decided to keep these as ingredients for the CIP2.0 workshop. Differences with the 2018 workshop are the decision to work with real data, and to analyze two case studies prior to the workshop and one case study during the workshop. We'd also like to request participants to submit a 1-page essay on "*The do's and don'ts of statistical testing in cyclostratigraphy*".

All participants are free to determine their method of choice; however, a handful of criterions will be required as an outcome must be comparable. The different results will be compared and even more importantly, their pathways and resulting (in)accuracy will be discussed.

You can become an integral part of the CIP2.0 project (and whatever comes out of the workshop afterward) in in two possible ways:

Join us in-person at the workshop in Brussels. The three minimal conditions that all have to met for succesful registration are to (a) analyze at least one, preferentially both, case study and submit the results before Friday 24 May 2024; and (b) submit the essay before Friday 24 May 2024; and (c) pay the registration fee. Or,

Fully analyze, document and submit results of both online case studies before Friday 24 May 2024, as well as submit the essay before Friday 24 May 2024.

For each case study certain questions are formulated in a Google Form (see below for link). Some answers are obligatory, other are not. At the end of the form you will be given the opportunity to send any feedback or additional files you would like to share (e.g. explaining your methodology, Tables containing age models, Documents elucidating your cyclostratigraphic results, Figures illustrating your strategy...). Please send those files to Matthias Sinnesael (matthias.sinnesael@obspm.fr).

In this form, we will ask for identification. This is necessary for quality control, but all data will be treated confidentially. A selection of the CIP committee (DDV MS, and CZ) will treat your submitted results anonymously at all time, and never link specific results to participants of the workshop.

Have fun!

The CIP-Team,
David De Vleeschouwer, Matthias Sinnesael & Christian Zeeden

CIP CASE STUDIES:

The CIP case studies can be found on following webpage:

<https://www.cyclostratigraphy.org/the-cip-initiative>

The Google Form used for the submission of the results can be found at:

<https://docs.google.com/forms/d/e/1FAIpQLSebkMeoPRw-WCbex9sjR7FkPMksvCOG8JHC-MN70kkZNRuuw/viewform>

REGISTRATION:

Registration is only valid after following conditions are met:

- 1) Send an informal email with expression of interest to Matthias.Sinnesael@obspm.fr
- 2) Pay the registration fee
- 3) !!! Have at least one (and preferentially more) CIP Case studies, and the essay, submitted before Friday 24 May 2024. !!!

Accepted registrations will be informed by email. There is a maximum of 35 participants. In case there will be more interest, priority will be given on a first come, first served basis, as well as a consideration that the final participants list reflects an as high as possible diversity of backgrounds and institutions.

The registration fee is 175 euro per participant. The fee includes participation, coffee-breaks, lunch and conference dinner. In case of cancellation the organization maintains the right not to refund (the full amount) of the registration fee – depending on the moment of the cancellation. Fee waivers can be considered for participants from developing countries.

Student participants can apply for the **IAS Student Travel Grant** for this event (IAS membership required). As IAS is constructing its new website, the application forms for this event can be requested from matthias.sinnesael@obspm.fr. Completed forms have to be submitted to the IAS Executive Officer at eo@sedimentologists.org, before 30th April 2024.

Registration fees have to be payed on, IBAN: BE51 3631 7261 3762 (BIC: BBRUBEBB).

Name Account: AMGC CYCLOSTRAT

Message: mention: 'NAME CIP WORKSHOP'

CONTACT:

Contact Matthias Sinnesael: Matthias.Sinnesael@obspm.fr

Website: <https://www.cyclostratigraphy.org/the-cip-initiative>

VISA & LETTER OF INVITATION/REGISTRATION/PARTICIPATION:

Participants are responsible to verify potential needs for a Visa travel permit to Brussels. Letters of invitation/registration/participation can be requested from the organization when necessary.

KEYNOTE GUESTS:

Anna Joy Drury, Leicester University, UK

Margriet Lantink, University Wisconsin-Madison, USA

Jacques Laskar, IMCCE, Observatoire de Paris, France

Mingsong Li, Peking University, China

Alberto Malinverno, Columbia University, USA

Thomas Westerhold, MARUM, Germany

LOCATIONS:

To indicate any dietary requirements you might have for the catered breaks and lunches, as well as to indicate your menu preferences for the conference dinner, please complete the following Google Form as soon as possible:

https://docs.google.com/forms/d/e/1FAIpQLSeHkbYXv1GP0ZPvOhcbK0vOVQRylteq2woqHm1qN4K-gYzq1A/viewform?usp=sf_link

The Workshop:

Coffee breaks and lunches will be provided for by the organisation: please fill in Google Form (see email) for food choices.

Royal Flemish Academy of Belgium for Science and the Arts

Palace of the Academies, Stevin Hall

Rue Ducale 1 , 1000 Brussels, Belgium.

Info & location @: <http://www.kvab.be/en/contact>

Ice-Breaker (not paid for by the organisation)

– Sunday 07 July 2024 from 18h00

As many will come in from long or short travels at different times, we will be present at this food market from 18h00. There is a variety of food and drink options, and everyone can join as suits them.

Food market “Wolf”

Wolvengracht 48C, 1000 Brussels

Website: <https://wolf.be/en/>

Conference Dinner (paid for by the organisation)

– Tuesday 09 July 2024 @ 19h30: please fill in Google Form (see email) for food choices.

Restaurant “Chez Jacques”

Baksteenkaai 44, 1000 Brussel, Belgium

Website: <https://www.restaurantjacques.be/en/chez-jacques-restaurant-en/>

Hotel ibis Brussels Centre Châtelain:

Bus 38 and Tram 93 have stops nearby and directly connect you with the Academy. All information on public transport in Brussels at: <https://www.stib-mivb.be/index.htm?l=en>

Chaussee De Vleurgat 191, 1050 Brussels, Belgium

Website:

https://all.accor.com/hotel/B638/index.en.shtml?utm_campaign=seo+maps&utm_medium=seo+maps&utm_source=google+Maps

PROGRAMME

Workshop: Cyclostratigraphy Intercomparison Project

Monday July 8th – Wednesday July 10th, 2024, Brussels, Belgium

DAY 0: Sunday July 7th 2024

18h00- ...: ICE-BREAKER @ Foodmarket "Wolf"

DAY 1: Monday July 8th, 2024, Palace of Sciences (Stevin Hall)

08h30-09h00: Registration & Coffee

09h00-09h30: Welcome & Introduction

09h30-10h30: *The 2018 Cyclostratigraphy Intercomparison Project ... till today.* (M. Sinnesael)

10h30-11h00: Coffee break

11h00-12h00: Keynote Lecture by J. Laskar: *AstroGeo*.

12h00-13h00: Keynote Lecture by A. Malinverno: *CycloAstro*.

13h00-14h00: Working Lunch

14h00-15h30: *Case Study 1: Origin of Case 1 and synthesis results, evaluation/comparison and discussion* (D. De Vleeschouwer)

15h30-16h00: Coffee break

16h00-17h00: Keynote Lecture by M. Lantink: *Precambrian cyclostratigraphy & extracting gastronomical information from geological data.*

17h00-18h00: *Group discussion on the estimation of eccentricity curves (and precession frequencies) based on geological data.*

DAY 2: Tuesday July 9th, 2024, Palace of Sciences (Stevin Hall)

08h30-09h00: Coffee

09h00-10h00: Keynote Lecture by A.-J. Drury & T. Westerhold: *Cenozoic cyclostratigraphy & best practices.*

10h00-11h00: Keynote Lecture by M. Li: *Cyclostratigraphy revolutionizes paleohydrologic studies.*

11h00-11h30: Coffee break

11h30-13h00: *Case Study 2: Origin of Case 2 and synthesis results, evaluation/comparison and discussion (C. Zeeden)*

13h00-14h00: Working Lunch

14h00-14h15: Introduction to Case Study 3: *On the spot (C. Zeeden)*

14h15-16h30: Case Study 3: *On the spot: Group work (bring your computer if needed)*

16h30-17h30: Case Study 3: *Presentations and group discussion*

19h30- ...: CONFERENCE DINNER @ Restaurant "Chez Jacques"

DAY 3: Wednesday July 10th, 2024, Palace of Sciences (Stevin Hall)

08h30-09h00: Coffee

09h00-11h00: *The Great Debate:*

- *Statistical testing and the use of confidence levels (D. Smith)*
- *The bigger picture (e.g. Aptian cyclostratigraphy – M. Martinez)*
- *Scaling Laws (M. Crucifix)*
- *Link to CIP1 – 10 steps?*
- *How do we deal with uncertainty?*
- *Other points from Essays (e.g. pitfalls...)*

11h00-11h30: Coffee break

11h30-12h30: *Synthesis – what have we learned? Communicate CIP2 outcomes? What is next?*

12h30: Finishing Lunch

... optional time for more discussions.