



## **Cyclostratigraphy Intercomparison Project (CIP): case studies**

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The Cyclostratigraphy Intercomparison Project (CIP) was launched in 2017 to provide a platform to discuss the broad range of methodological approaches in the field of cyclostratigraphy, as well as to study their respective results in a systematic manner. This effort received support from the broader (cyclo-) stratigraphic community, as can be deduced from the large positive feedback on the initiation of this initiative. The first 3-day CIP workshop will be held in Brussels, Belgium, from July 30 till August 1st 2018. The main goal of this 3-day workshop is to test reproducibility, standardization of results and uncertainties of cyclostratigraphic analyses by studying three case studies in detail. Here, we introduce the three case studies to ensure that all instructions and deliverables are clear to the CIP participants.

Each participant of the CIP workshop will have to analyze at least one of three artificial geological records. Participants will be asked to submit their results before the workshop. We work with artificial case studies to be able to control the experiment and have well constrained expected outcomes which will allow to evaluate accuracy of the analyses. The 3 cases will have several degrees of difficulty and span different amounts of time. They will also contain diverse types of artificial surrogates of proxy records (e.g. lithological record, stable isotope record). All participants are free to determine their analytic method of choice; however, the outcome must be comparable. Therefore, we will provide clear instructions on the format participants have to submit their results to the CIP. During the Brussels workshop, all results will be compared and different pathways to accurate and/or inaccurate results will be discussed. The results of the Cyclostratigraphy Intercomparison Project will be reported in the form of an open-access review paper.

More information on:

Website: <http://we.vub.ac.be/en/cyclostratigraphy-intercomparison-project>

Researchgate: <https://www.researchgate.net/project/Cyclostratigraphy-Intercomparison-Project>