



Cyclostratigraphy Intercomparison Project (CIP): Results

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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 (Sinnesael et al., 2017). During the year of 2018, three artificial geological records were created and made openly available for study to the community (Sinnesael et al., 2018). On a total of 35 participants there were about 20 submissions per case study. The results of these submissions were compiled, presented and extensively discussed during a 3-day CIP workshop held in Brussels, Belgium, from July 30 till August 1st 2018. A first major outcome is that despite a certain spread in results, the median of all submissions is in excellent agreement with the correct solutions; with for example 55% of the participants of the first case study estimating a total signal duration that was 1% or less off. A second key finding is that cyclostratigraphy is a trainable skill. This was demonstrated by systematic better performances on cases which were closer in type and age to the individual participants' experiences. Here, we present the results of the CIP to the wider earth science community and hope to stimulate further discussions.

More information on:

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

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

Sinnesael, M., De Vleeschouwer, D., Zeeden, C. Claeys, P., 2017. Reproducibility in cyclostratigraphy: initiating an intercomparison project. *Geophysical Research Abstracts*, Vol. 19, EGU2017-9484.

Sinnesael, M., De Vleeschouwer, D., Zeeden, C. Claeys, P., 2018. Cyclostratigraphy Intercomparison Project (CIP): case studies. *Geophysical Research Abstracts*, Vol. 20, EGU2018-2958.