

PHD POSITIONS

The AMGC group at the Vrije Universiteit Brussel recruits PhD students to work on the IODP-ICDP core in the KT boundary Chicxulub crater.

In April 2016, IODP-ICDP drilled a core down to 1335 m in the 200 km in size Chicxulub crater, offshore Yucatan (see <http://www.eso.ecord.org/expeditions/364/364.php>). In the Fall 2016, the recovered material was described and sampled at the IODP Bremen core repository. Samples from the KT boundary interval, impactites, and uplifted granitic basement are available at the VUB. Building on more than 25 years at the forefront of KT research, the proposed doctoral theses are financed by different projects focusing on the study of the material recovered by the IODP-ICDP drilling. The goals are to i) document the cratering process, peak-ring formation and melt production, ii) understand ejecta production and deposition, iii) constrain the products injected into the atmosphere, and their effect on the mass extinction, iv) test the proposed connection between Chicxulub and Deccan trap volcanism (see Renne et al. 2015), v) learn from Chicxulub to understand the evolution of terrestrial planets... All new ideas are welcome, so are interaction with other AMGC members working on similar topics.

The PhD funding is for a duration of max. 4 years. Starting dates are flexible, preferentially Spring - Summer 2017. Applications will remain open until all positions are filled. Enthusiastic and motivated scientists are encouraged to apply. The PhD salary makes it possible to live comfortably in Brussels and includes benefits (transport, medical etc.).

For questions contact: **Philippe Claeys** (phclaeys@vub.be) by e-mail or skype; more info : <http://we.vub.ac.be/en/analytical-environmental-and-geo-chemistry>

WE ARE LOOKING FOR

Candidates with a master degree in Geology, Earth Sciences or related field with a combination of the following:

- Scientific curiosity,
- Smart, motivated & hard working
- Quick learner with creative and pragmatic problem-solving approach
- Skill in petrography, geochemistry, sedimentology, analytical techniques,...
- Capability to work in English, team player

We propose a great working environment, access to a large variety of analytical techniques, SEM/EDX/WDX, μ XRF, FTIR, IRMS, HR-ICP-MS, MC-ICP-MS, etc.

HOW TO APPLY

Send your CV with a cover letter and the names of three references (all in PDF) to **Philippe Claeys, phclaeys@vub.be**



Impactite, and shocked granite from IODP - ICDP core