



ET-HoME

## Evolution and Tracers of the Habitability of Mars and the Earth

The Excellence of Science –EoS– ET-HoME project aims at investigating the Evolution and Tracers of the **Habitability of Mars and Earth**. We will (i) explore the role of planetary differentiation, impacts and plate tectonics on the habitable fate of Mars and Earth, (ii) seek for early life by a geochemical approach and the search for microfossils, and (iii) use remote-sensing data to model the martian atmosphere and surface. For that purpose, a highly multidisciplinary team has been gathered from different Belgian Universities and Institutes.

In that frame, we invite motivated candidates to apply for a PhD position on the remote sensing of planetary surfaces and alteration experiments of minerals in martian atmosphere conditions, in relationship with the future landing site of the rover Exomars 2020. The successful candidate will be supervised by Véronique Dehant (Université Catholique de Louvain), in collaboration with Vinciane Debaille (Université Libre de Bruxelles), Ozgur Karatekine (Royal Observatory of Belgium) and Emmanuelle Javaux (Université de Liège). International collaborations are also expected on that topic.

Candidates should have a Master degree, preferably in Earth or planetary sciences. The ideal candidate will show scientific curiosity, ability to work in collaboration, interests in geosciences and planetology. The working language is English.

Salaries are competitive and allow comfortable living in Belgium. Appointments are for 4 years in total. The starting date should ideally be before December 31, 2018.

To apply, send your CV with a motivation letter clearly indicating your experience and skills (plus 2 potential referees) in English to the coordinator of the project Vinciane Debaille ([vinciane.debaille@ulb.ac.be](mailto:vinciane.debaille@ulb.ac.be)) before October 30 2018. Selection and interview of the candidates will be held in November, for preferably starting the position in December 2018.



Royal Observatory  
of Belgium

