

The Barcelona Center for Subsurface Imaging (BCSI; <https://www.icm.csic.es/es/grupo-investigacion/barcelona-center-subsurface-imaging>) offers a new 4-years PhD position in Marine Geophysics. The ideal candidate should hold a Bachelor's degree in Geology or Geophysics, and a Master's degree in Geophysics. Proficiency in programming is essential, and previous experience working with marine seismic data and travel-time tomography will be highly valued.

This position offers a cross-disciplinary training to the PhD candidate in the context of an international science team. We will promote stays of the young researchers in the international centers participating in the project. The PhD candidate will lead the publication of their results in journals of the highest possible impact within the SCI database. The candidate will attend international meetings such as EGU, AGU, and national meetings, to present their work and progressively improve and strengthen their science communication skills. As with other students at BCSI, the training plans of the requested PhD candidate will be structured in three phases:

- *Phase 1: Technical training* (1<sup>st</sup> year). The PhD candidate will learn the theory and fundamentals of the different methods that will be used in each case (e.g. geophysical data processing and modelling; seismic data analysis, etc.).

- *Phase 2: Data acquisition, processing and modelling* (2<sup>nd</sup> and 3<sup>rd</sup> year). This phase will start with the survey to acquire MCS and WAS. The candidate will actively participate in the campaign helping in the data acquisition and onboard processing. After the acquisition phase, the skills acquired during phase 1 will be applied to process and model the acquired data.

- *Phase 3: Interpretation and writing of scientific articles* (3<sup>rd</sup> and 4<sup>th</sup> year). The results will be jointly interpreted with project supervisors and collaborators. Results will be presented at international meetings and published in 2 or 3 Q1 SCI journals.

Overall, the candidate will be involved in all phases of project ODISSEY from its inception to the publication of final results. The student will be supervised by both IPs (Manuel Prada and César R. Ranero; see attached CVA) and will join the [Earth Science PhD Programme](#) of the University of Barcelona, Spain. Monitoring of the PhD progress will be done through weekly meetings and informal discussions.

If you are passionate about marine geophysics and highly motivated person, and possess the required qualifications, we encourage you to apply.