

Open Post-Doc position in planetary and terrestrial Impact Crater imagery, morphology and geophysics at CEREGE (Aix-Marseille University, Institut Origines)

The Earth and Planets' team of the CEREGE laboratory (Aix-en-Provence, France) invites applications for a postdoctoral position to work on impact craters. The main task will be to use spatial imagery, DEMs and geophysical data acquired over some impact craters on the Earth, Mars, the Moon, and other planetary bodies to enhance possible common signatures of post-impact hydrothermal alteration and/or other syn- (collapsing/uplifting) and post-impact processes (like ejecta emplacements, erosion/burial). In parallel, these data will be compared with in situ analyses from field studies and/or analyses of core samples from terrestrial impact structures (ground truth). The final objective is to better constrain the amplitude, duration and extent of impact processes and consequences. A link with the ecological implications, life renewal/development and possibly the human perception of impacts will be done in the frame of the interdisciplinary research project EXOMIOLE, fund by the A*MIDEX Excellence program of Aix-Marseille University (AMU), and gathering several laboratories in geosciences (CEREGE), astrophysics (LAM), chemistry (PIIM) and human sciences (CGGG), all belonging to the Origines Excellence Institute of AMU.

The position is for one year, renewable for a second year upon mutual agreement. The starting date would be anytime in 2023, depending on the applicant's availability. Candidates must have a PhD in planetology or geosciences by the date of appointment. Applicants should submit a cover letter, CV, list of publications, and a statement (2 pages max) explaining research interests and qualifications, and arrange for two letters of recommendation. Review of applications will begin upon receipt and all applications received by the deadline will receive full consideration.

Application Deadline: May 31, 2023

Attention To: Yoann Quesnel

Email: quesnel@cerege.fr