

Supervisor Expression of Interest MSCA - IF Marie Skłodowska Curie Action - Individual Fellowship 2020

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Research Group webpage	http://www.icac.cat/recerca/equips-de-recerca/arqueologia-del-paisatge-giap/ http://giap.icac.cat/
Research topic	Remote Sensing, Geoarchaeology and Cultural Landscapes
<p>Brief description of research project themes to be considered:</p> <p>My research centres on the development of new multi-source remote sensing procedures, coupled with machine learning and deep learning methods, that can help and eventually improve the detection, identification, mapping, and quantification of features of archaeological interest.</p> <p>My broad interests focus on the natural and anthropic relationships that define Cultural Landscapes, including aspects such as long-term ecological footprint, past land use and present-day endangered cultural heritage. My research combines historical geospatial data (for example, the former CORONA spy satellite photographs), multispectral and radar Earth Observation data and geoarchaeological proxies from soil and sediments.</p> <p>I am currently working in a diverse range of archaeological contexts and ecological settings such as South Asia (Indus Civilisation), the Mediterranean region (Roman Balearic Islands) and, more recently, Mongolia (Bronze Age and the archaeology of pastoralism).</p> <p>I am interested in supporting new research and methodological advances in the field of landscape archaeology, remote sensing and geoarchaeology.</p>	