

RESEARCH AREAS



*Boosting your postdoctoral career in
Prehistory at IPHES-CERCA*

The main research goals of IPHES-CERCA are embedded in a series of on-going fieldwork projects, data compilation, processing and analysis, as well as theoretical work. These core activities provide the appropriate background knowledge for us to gain insight into the proximate (social and ecological) and ultimate (climate) factors that have shaped Prehistory and Human Evolution. In this sense, IPHES-CERCA is currently functioning within a strongly multidisciplinary scientific environment since it has been academically structured **to encompass different research disciplines and topics within three inter-linked main Research Programmes**: 1) Human Paleoecology during the Plio-Pleistocene, 2) Subsistence, Technology and Human Evolution, 3) Prehistoric Socioecology and Cultural Changes. R2STAIR Action will be specially focused on these specific subjects and lines of research:

- 1. Zooarchaeology:** Taxonomy and comparative anatomy, Taphonomy and Neo-taphonomy, spatial analysis of marks in bone surfaces, subsistence strategies during the Quaternary, coevolution between hominins and carnivores as driving force in hominine subsistence behaviour.
- 2. Lithic analysis:** Technological and morphometric analyses, Lithic raw materials, Gestural sequences studies, Cognition and social learning, Refit analysis and spatial distribution, Use-wear analysis, Multi-proxy analyses of residues in lithic artifacts.
- 3. Geoarchaeology:** Characterization of sedimentary facies, Micromorphology, Stratigraphy and micro-stratigraphy, Petrographic characterization of lithic raw materials, Archaeostratigraphy: diachronic and synchronic cultural series.
- 4. Spatial analysis:** Intra-site spatial analysis, Landscape and regional (cultural) archaeology.
- 5. Paleoecology:** Paleontology-biochronology, Biogeographic modelling, Quantitative Terrestrial Paleoclimatology (Mutual Ecogeographic Range, Bioclimatic Analysis), Stable isotope analysis, tooth wear analyses (meso- and microwear), Palynology, Anthracology, Carpology, Quantitative eco-anatomy.
- 6. Paleoanthropology:** Dental use-wear, paleodiet, Post-cranial anatomy and taxonomy, 3D morphometrics, study of hand bones, European neanderthalization process.
- 7. Archaeo-paleontological conservation:** Characterization of bone and stone alterations, efficiency of conservation techniques, preventive conservation.

IPHES-CERCA is committed to pro-active policies on equal opportunities and gender issues following the principles of the HRS4R. IPHES-CERCA has a Gender Equality Committee which monitors regularly the gender balance policy implementation through all internal procedures. The Fellows will be selected according to the established evaluation criteria, without taking into account any thematic distribution related the above research lines as the call will operate with no disciplinary quotas whatsoever. R2STAIR will follow a blind recruitment process in order to increase the transparency and fairness and avoid discriminations by gender, origin, sexual orientation, political opinion, religion or age.

As a result, R2STAIR COFUND Fellows will benefit from the IPHES-CERCA expertise working in a whole research life cycle in Prehistory and Human Evolution studies (from fieldwork to a societal impact through heritage enhancement), fostering their evolution from a Recognized Researcher who are not yet fully independent (R2) to a more experienced researcher with a level of independence to become an Established Researcher (R3). Furthermore, involving the fellows in a network of scholars, practitioners, policy-makers and other outstanding early-career scientists, they will be exposed to multidisciplinary perspectives, professional mentorship, leadership training, community engagement and fruitful cross-cultural exchanges. This will boost their careers as professionals, contributing to improve the position of Europe as one of the most attractive environments to grow and progress as a researcher, increasing the quality of research and innovation developed in the European Research Area (ERA).