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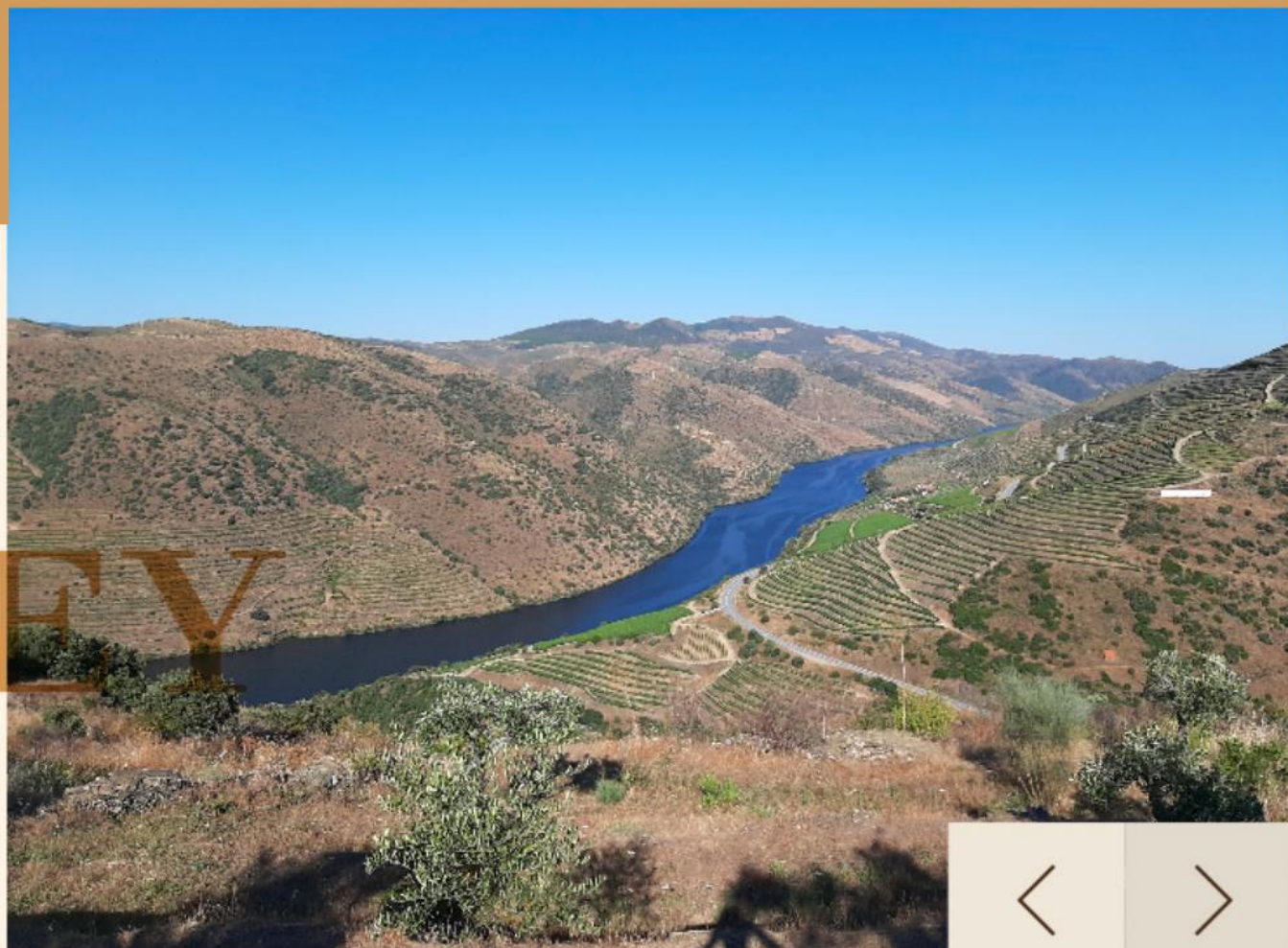
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Climate and human adaptation during the last Glacial Period in the Côa Valley region (Portugal)



Climate and human adaptation during the Last Glacial Period in the Côa Valley region (Portugal)

CÔA VALLEY



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PROJECT OVERVIEW





Project Leader: Prof. Luca A. Dimuccio

Starting date: 01/01/2021

Total Funding: €274.414,08

Funded by national funds through the Foundation for Science and Technology (FCT), under the reference COA/CAC/0031/2019

Scientific Domain

Main area

Climate and climate changes

Secondary area

Biodiversity and biological resources, natural and cultural heritage and sustainable regional development

Background

In Portugal, Late Pleistocene climate fluctuations are well-known from marine record

The pronounced climate instability that characterizes Last Glacial Period (LGP) comprises several distinct cooling (stadial) and warming (interstadial) phases.

These large/rapid climate changes have a recognized impact on the bioclimatic zones, and possibly on the behaviors of Middle and Upper Palaeolithic hunter-gatherers of Iberia.

In terrestrial archives past environmental conditions have a discontinuous record - but with high resolution.





Aims and Perspectives

Landforms and fluvial deposits preserved in Côa valley have demonstrated to be a valuable record of information about the climate evolution of LGP.

The proposed research aims to develop an evolutionary model for the Côa valley and deduce the environmental forcing factors for such evolution, namely climate.

The project's data will allow to understand better the societies and behaviors of Middle-Upper Palaeolithic hunter-gatherer's human populations.



Why and How this research will be implemented...!

A multi/interdisciplinary approach based on geological, geomorphological, geochemical, archaeological, and geochronological analyses of various terrestrial archives (landforms and deposits) will be applied to a set of selected key-areas (regional scale) and open-air archaeological sites (local scale) distributed across the Côa river valley and surrounding plateaus.

Plan and methods



Geodatabase
construction



Fieldwork and
samples collection



Laboratory analyses
and geochronology



Articulation with
other national and Iberian
archaeological information



Data interpretation and
comparison with the
palaeoclimate Quaternary
marine records from
Atlantic margin



Produce new insights on
past climate changes and
human adaptation for the
LCP in western Iberia

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Research Centre on the
Dynamics of the Earth System



UNIVERSITÀ
DI TRENTO



Nordic Laboratory for
Luminescence Dating (NLL)

AARHUS UNIVERSITY



CENTRE EUROPÉEN
DE RECHERCHE ET D'ENSEIGNEMENT
DES GÉOSCIENCES DE L'ENVIRONNEMENT

UMR 7041
ARSCAN
ARCHÉOLOGIES ET
SCIENCES DE L'ANTIQUITÉ
Université Paris I Panthéon Sorbonne
Université Paris Nanterre
CNRS - Ministère de la Culture



PACEA-Transfert
Sédiments &
Matériaux

PRINCIPAL CONTRACTOR



PARTICIPATING INSTITUTION



RESEARCH UNIT



ADDITIONAL RESEARCH UNITS



OTHER INSTITUTIONS INVOLVED



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UNIVERSIDADE D
COIMBRA

CEGOT
Centro de Estudos de Geografia
e Ordenamento do Território

FundaçãoCoaParque



FCT

Fundação para a Ciência e a Tecnologia
MINISTÉRIO DA CIÊNCIA, TECNOLOGIA E ENSINO SUPERIOR

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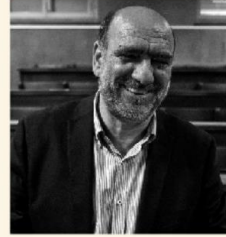
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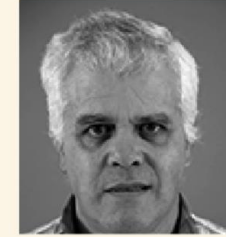
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