

 <b>UCA</b>   Universidad de Cádiz	Vice Rectorate for Scientific and Technological Policy	Plaza Falla, 8, 11003 Cádiz (Spain) Tel. +34 956 015174 <a href="mailto:proyectos.europeos@uca.es">proyectos.europeos@uca.es</a>
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## Formulario EOI - EXPRESIONES DE INTERÉS

### Contact Person / Scientist in charge (Datos del IP del grupo de investigación o responsable científico)

Name and Surname:	Oscar Godoy
Email:	<a href="mailto:oscar.godoy@uca.es">oscar.godoy@uca.es</a> , <a href="http://www.oscargodoy.com">www.oscargodoy.com</a>

### Department / Institute / centre (Datos del departamento donde estaría ubicado el investigador a contratar)

Name:	Department of Biology, University of Cádiz
Address:	Andalusian Centre of Marine Studies (CASEM) 11510 Puerto Real, Cádiz

### Project Description(max. 1800 caracteres)

Ecologists have been long sought to explain the mechanisms that maintain species diversity. Recent advances in modern coexistence theory have been critical to summarize the importance of stabilizing and equalizing effects as opposing forces determining the outcome of species interactions. Yet, these outcomes have been evaluated at local scales with no attempt to extent the study to continental scales. This fact limits our ability to understand whether species living in the tropics coexist under more neutral conditions, and the role of environmental fluctuations as key drivers of niche differentiation. With GOBIO (GLObal BIOdiversity), we aim to provide for the first time a global picture of the mechanisms maintaining highly diverse communities and the role that plays the network of species interactions in modulating community assembly. This knowledge is fundamental to better manage and conserve ecosystems in the face of rapid biodiversity loss due to human induced changes. GOBIO is not a taxonomically biased project, meaning that we will study coexistence mechanisms in woody plant species as well as vertebrates (including fishes, birds, mammals, and reptiles). We seek a highly motivated applicant with interest in ecological theory and modelling, community ecology, and complex networks. Our success of obtaining funding from previous Marie Curie calls allow offering the possibility to help writing a competitive proposal. We also offer a highly stimulating environment in which the successful candidate will interact with several PhD candidates and postdocs working at MESSY (Mediterranean Ecological Studies and Synthesis) lab. Broadly speaking, the lab aims to unravel drivers of species coexistence and ecosystem functioning in both terrestrial and marine environments.

### Research Area (select)

	Chemistry (CHE)
	Social Sciences and Humanities(SOC)
	Economic Sciencies (ECO)
	Information Science and Engineering (ENG)
X	Environmental Sciences and Geology (ENV)

X	Life Sciences (LIF)
	Mathematics (MAT)
	Physics (PHY)

**Applications: documents to be submitted and deadlines**

Examples: CV, cover letter, contact details of two references.

If you are interested in applying for MSCA-IF, please submit an Expression of Interest (CV, cover letter and contact of two references) by email to: [oscar.godoy@uca.es](mailto:oscar.godoy@uca.es) (**no later than 30th of June 2020**)