

Name(·): Marcos Llope**Title(*):** Researcher**Country/Countries(*):** Spain**Institute name:** Instituto Español de Oceanografía**Department/section:** Centro Oceanográfico de Cádiz**E-Mail:** marcos.llope@cd.ieo.es**Web address:** <http://www.mn.uio.no/cees/english/people/researcher-postdoc/marcosl/>**I AM LOOKING FOR :** ☒ A PARTNER (FOR MY PROJECT) ☐ A PROJECT TO JOIN**BRIEF DESCRIPTION OF YOUR PARTNER SEARCH (*)** (2-3 lines to be published on the website – the complete form will be available to download)

We are looking for partners to apply for a project to Theme #2. Specifically, we would like to develop a project on estuarine biodiversity and services. We'd like to look into the effects that 'green and blue infrastructures (GBIs)' have on biodiversity, functioning and provision of services (T2.1 of Theme #2 call), the effects of global change on the latter (T2.2) and the interactions with 'grey' infrastructures (T2.3). Ideally, we would like to team up with research groups from other European countries focused on estuarine ecology and management so that they match and complement our expertise on the Guadalquivir Estuary (south Spain).

Please complete the information below depending if you are looking for a partner (to join your project), or a project (you would like to join) – Max 1 page.

DESCRIPTION OF YOUR EXPERTISE /SKILLS

Our main expertise is on estuarine ecology and statistical modelling. Several projects are currently being carried out to understand the dynamics of this ecosystem, mainly in relation to its nursery role for several fisheries in the Gulf of Cadiz and the impacts that anthropogenic actions (water management, dredging, city of Seville, fishing, transport, tourism) have on this nursery role. In particular, we have long term records of drivers, water properties and biological components that we'd like to analyse in relation to GBIs/grey infrastructures (dams, dredging) and climate change. We are currently developing synergies with a team of social scientists working on the region that will allow us to address the societal dimension.

Our case study would be the Guadalquivir Estuary (SW Spain, Andalusia), adjacent to the Doñana National Park and under the influence of the city of Seville.

DESCRIPTION OF YOUR PROJECT / THE PROJECT YOU WOULD LIKE TO JOIN

The core idea of the project would be to quantify the effects of GBIs/grey infrastructures on diversity and connectivity and how these influence the delivery of ecosystem services. Our aim is to expand the analysis beyond ecology and incorporate the type of

social networks and key stakeholders, operating in the particular social sphere of this estuary.

DESCRIPTION OF THE EXPERTISE/SKILLS YOU ARE LOOKING FOR IN YOUR PROJECT

Ideally, we would like to join forces with similar research groups (of comparable or complementary expertise) working on other European estuaries. Alternatively we could discuss addressing other ecosystem types with a similar approach as long as 'green and blue infrastructures (GBIs)' are identified and its impacts on ecosystems services can be tracked and analysed.

Please send this form back to : biodiversa@fondationbiodiversite.fr