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**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)

**I would like to join a project that searches for the integrative implementation of metagenomic tools to soil biodiversity assessment, and so, collecting information about different organisms' roles and functions (and their use as bioindicators of soil health) within this ecosystem.**

*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**

Up to now, I have been mainly investigating the effect of different geographic barriers in animals (specifically tardigrades) with wide (theoretically unlimited) dispersal, and the effect of this dispersal in the biodiversity distribution. Complementary, I have studied ecological influence of tardigrade biodiversity distribution, including trophic groups and the role of tardigrades within soil environments. In particular, I have worked in systematics of tardigrades, from an integrative approach, including taxonomy (using molecular and morphological information), biodiversity and ecological patterns (including trophic groups), phylogenetic relationships at deep but also at terminal nodes, and molecular ecology through the study of population genetics.

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

The framework of the project to which I would like to join to is the study of soil biodiversity dynamics and ecosystem functioning, through the roles of the different actors, with a multi-organismic approach. Within this framework it would be interesting to use both metagenomics tools and specific information of organisms, developing the basic molecular information (and using an integrative methodology: morphological, molecular, and ecological data together) to be able to identify taxa in total DNA pools. Taking into account our most recent discoveries that indicate a regulatory function of tardigrades over nematode food webs, and knowing the importance of them in the richness and maintenance of soils, I consider that my expertise can be of great interest to tackle with the understanding and management soils resources.

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

**Please send this form back to :** [biodiversa@fondationbiodiversite.fr](mailto:biodiversa@fondationbiodiversite.fr)