

Name(·): Mourad Harir**Title(*): Dr.****Country/Countries(*): Germany****Institute name: Helmholtz Zentrum München****Department/section: Department of Environmental Sciences / Research Unit Analytical BioGeoChemistry****E-Mail: mourad.harir@helmholtz-muenchen.de****Web address: <http://www.helmholtz-muenchen.de/bgc>****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 would like to join project dealing either with soils, sediments or waters with a special focus on organic matter quality (dissolved organic matter DOM) as a key factor that influencing the chemical biodiversity in these materials.

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

Structural characterization of organic matter from different environmental origins (in relation with biodiverse: Soils, sediments or waters) on a molecular level by combining high field Fourier transform ion cyclotron mass spectrometry (12Tesla FT-ICR-MS), cryogenic 500 and 800 MHz NMR spectroscopy and separation sciences. Targeted and non-targeted environmental metabolomics, identification and validation of new biogeomarkers, integration of polyomics datasets in biology and organic geochemistry.

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

We are interested to join project with a focus on the dissolved organic matter (DOM) extracted either from soils, sediments or waters to evaluate changes in their chemical composition and to draw up biogeochemical processes related to this changes.

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

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