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I AM LOOKING FOR : ☐ A PARTNER (FOR MY PROJECT) ☒ A PROJECT TO JOIN

BRIEF DESCRIPTION OF YOUR PARTNER SEARCH We are looking for joining a project to work together on the soil biodiversity and ecosystem with special emphasis on the land degradation area. We wish to support the biodiversity dynamics of soils (organic matter, heavy metal, soil respiration or soil microorganisms density/activity (bacteria, fungi or mycorrhiza fungi) and soil salinization). We are interested in molecular and morphologic characterization of microorganisms (bacteria and fungi) on soil biodiversity. Also, we would like to include geography information systems and remote sensing (NDVI-Vegetation index) to make soil biodiversity database.

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

I'm studying on Field Crops Central Research Institute for 15 years and PhD student in Soil Science Department of Ankara University. My thesis topic is soil erosion, specially crop cover management factor and GIS. Our institute has a large farm called IKIZCE Research Farm in Ankara and conducted many European Union project to date. Otherhand, our institute has biotechnology research centre there live in molecular and genetic diversity is being investigated and facilitated with microbial biotechnology studies. In addition to this, our institute has Geography Information Systems and Remote Sensing Department which is being studied on land and crop use, soil erosion, plant diversity, ecosystems and other agricultural activities. Each one department workers experts on many watershed, national and international/global projects. I follow land degradation/desertification a national project in Turkey.

DESCRIPTION OF YOUR PROJECT / THE PROJECT YOU WOULD LIKE TO JOIN We would like to join a project soil microbial diversity (bacteria, fungus(root fungus-mycorrhiza etc.), soil erosion, soil pollution with both lab and field test under the land degradation area (either intensive or non-intensive agricultural area, salinization area, pasture etc.)
-the potential use of soil micro and macro flora and soil dynamics as bioindicators of soil quality,
-link between soil erosion and biodiversity,
-soil respiration (plant root and microorganisms) , land use tillage,
-conventions on biodiversity and desertification as well as climate change,
-use of Biotechnology process on molecular and morphological characterisation of soil microorganisms (DNA, fatty acids)
- Geography Information systems, data management

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