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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)

We have developed an advanced model to assess the impact of land-use scenarios on ES-supply and demand. Our research shows that biodiversity and habitat quality does matter, but that response is often overshadowed by the response to the demand variables. Our key research question is to investigate the development of performance indicators that can grasp the quality of the ES-supply (E.g. yield versus yield relative to nutrient input, nutrient removal versus nutrient removal relative to nutrient inputs). We want to compare across regions and models to find solutions, illustrated through case studies.

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

Development and application of spatial explicit models for the quantification of ecosystem services (measuring, mapping and modelling).

The ECOPLAN project has resulted in a spatially explicit model that allows to assess the impact of changes in land-use on the delivery of ecosystem services (<https://www.uantwerpen.be/en/rg/ecoplan/ecoplan-tools/scenario-evaluator/>). A beta version of the model was used to evaluate the impact of development scenarios for the Belgian NATURA 2000 network (See our publication in ecosystem services DOI: 10.1016/j.ecoser.2017.02.020).

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

We think that we have the tools and expertise to develop and apply scenarios of biodiversity and ecosystem services across spatial scales of relevance to multiple types of decisions (from call text).

As you will read in the paper (<http://www.sciencedirect.com/science/article/pii/S2212041616303722>), we have already made some interesting observations concerning supply and demand interactions.

We want to develop scenarios that relate to particular policy questions such as land-take, soil sealing, afforestation, parks, green corridors and demonstrate the need for performance indicators.

=> analogy of bright kid having a 7/10 without effort versus a less gifted child achieving 7/10 by working very hard.

=> poorly managed ecosystem with high abiotic potential versus a well-managed ecosystem with less favorable conditions

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

We are looking for partners and regions that have advanced models for ES assessments. We would like to evaluate and compare the response in ES supply for particular land-use scenario's for different regions and models.

The LU-ES response will obviously differ. This may be due to a different context (environmental, socio-economic), data-limitations and/or a different conceptualisation of the underlying processes that drive ES-supply/demand.

ES-supply is (partly) driven by scarcity (e.g. lack of green space) and environmental pressures (nutrient leaching).

Therefore it is important to define the quality and performance of ES-supply in perspective to the ES-demand and/or potential supply. The finality is to quantify performance of ES-supply rather than absolute supply units.

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