

The “Planning Grant for Sustainable Solutions” aims to enable scientists to produce project proposals targeting one or several of the five SDSN sustainable development challenges that have high relevance to Global Environmental Change.

SSEESS is pleased to announce that Zahra Kalantari from Stockholm University (Dept. of Physical Geography and Quaternary) is one of the grantees for this grant.

## **Project description Zahra Kalantari:**

### ***Ecosystem services supply and beneficiaries in the landscape: mapping for decision making and policy support***

There is currently a need to better understand the value of ecosystems services, to quantify and describe the interactions between population and their environment. By linking available land cover data and other useful sources of information with expert knowledge, supply and demand of particular services can be assessed spatially. The flow of services between providing ecosystems and benefiting human areas can then be evaluated. To accomplish this, planners and decision-makers will require intelligent and available tools that move beyond the current state of practice.

There is a strong demand for such applications, to describe and quantify the interactions between urban and natural areas, between population and their environment. The main aim of this project is to develop a comprehensive and scientifically well-founded study on ecosystem services, their supply and demand in the landscape as well as their interaction. The solutions developed should be practical and easily understandable for decision makers.