

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 Jonas Ardö from Lund University (Dept. Physical Geography and Ecosystem Science) is one of the grantees for this grant.

Project description by Jonas Ardö:

Less for more or more for less? Adaptation to decreasing resource availability in the Sahel through family planning and changing agricultural systems

The rapidly increasing population in the Sahel region is putting a strong pressure on local resources for food, fuel, feed, fibre, and construction material. The demand for these resources is increasing faster than the supply. Adaptation to this changing resource base is needed and can be provided in several ways including family planning (reduce consumption) and more efficient utilization (decrease demand) and through improvement of agricultural systems (increase supply). Related risks include increased large-scale land acquisitions for products and materials destined for foreign markets (decrease supply) and reduced productivity in essential production systems (decrease supply).

We aim to develop a project integrating and quantifying the roles of the various factors offering a sustainable provision of required resources in the Sahel region. This quantification will provide the basis for implementation of actions in one to two local test cases (Sudan + one more) with potential for upscaling. Current application aims to secure funding for meetings & further development of the group with additional partners from developing countries and industry.