

### Ecological and Economic Strategies for Sustainable Land Management in the Russian Steppes: A Potential Solution to Climate Change

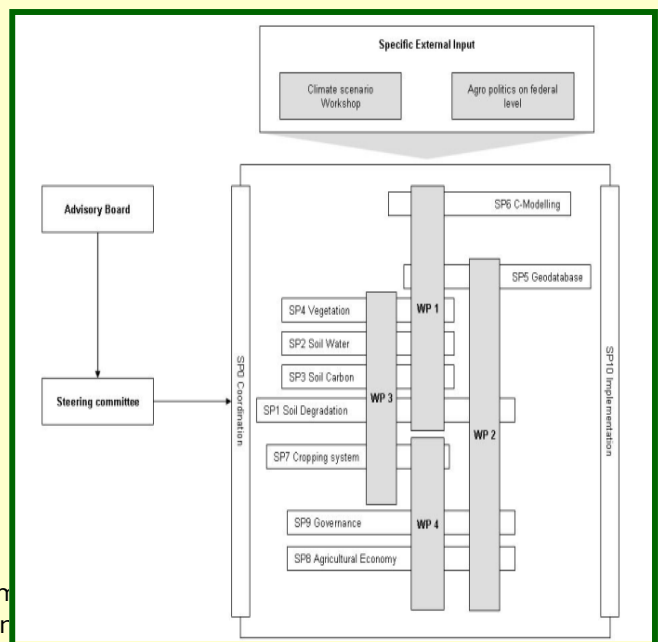
#### Project Structure:

- The management structure of the overall project is controlled by a **“Steering Committee”** that includes all subproject leaders.
- The high ranking external experts form an **“Advisory Board”** of the project and will review and make recommendations about the various projects.
- **The KULUNDA project research work is divided into nine research subprojects, one subproject for scientific coordination and one subproject for the initiation of implementation project.**

German and Russian scientists form research tenders in each of the subprojects.

#### The list of sub-projects:

- SP0** – Scientific coordination and project management
- SP1** – Effects of land use, land cover and climate change on soil degradation
- SP2** – Soil water and solute balance
- SP3** – Land use impacts on carbon sequestration
- SP4** – Interaction of vegetation with changing land use and climate
- SP5** – Geo-database and satellite image classification
- SP6** – Process based modeling of carbon cycle and the impact of land use change
- SP7** – Agronomic and technical solutions for innovative tillage and cropping systems
- SP8** – Assessment of farm level costs and socio economic requirements of providing ecosystem services
- SP9** – Social and institutional drivers of land use change
- SP10** – Stakeholder involvement and implementation



**KULUNDA**  
project structure

#### KULUNDA subprojects leaders:



- |  |                                 |  |   |                                      |                                 |                                |                                |                                       |                                |
|--|---------------------------------|--|---|--------------------------------------|---------------------------------|--------------------------------|--------------------------------|---------------------------------------|--------------------------------|
| <b>SP0 &amp; SP10</b><br>Prof. Dr.<br>M. Frühauf | <b>SP1</b><br>Dr.<br>G. Schmidt | <b>SP2</b><br>Prof. Dr.<br>R. Meissner | <b>SP3</b><br>Prof. Dr.<br>Guggenberger | <b>SP4</b><br>Prof. Dr.<br>I. Hensen | <b>SP5</b><br>PD Dr.<br>S. Hese | <b>SP6</b><br>Dr.<br>C. Müller | <b>SP7</b><br>Dr.<br>T. Meinel | <b>SP8</b><br>Prof. Dr.<br>Hirschauer | <b>SP9</b><br>Dr.<br>Theesfeld |
|--|---------------------------------|--|---|--------------------------------------|---------------------------------|--------------------------------|--------------------------------|---------------------------------------|--------------------------------|

**Funding Measure:**  
**Project Director:**

**BMBF – Funding Measure “Sustainable Land Management” Module A**  
**Prof. Dr. Dr. h. c. Manfred Frühauf (Martin-Luther-University Halle-Wittenberg, Faculty of Natural Sciences III, Institute for Geosciences and Geography).**

**Scientific Coordinator:**

**Dr. M. Kasarjyan (Martin-Luther-University Halle-Wittenberg, Faculty of Natural Sciences III, Institute for Geosciences and Geography).**

