Introduction of the SuMaRiO DSS

Prof. Dr. Andreas Brieden, Marie Hinnenthal

Final Sino-German Conference of SuMaRiO in Munich, Germany

10th to 13th December 2015

SuMaRiO DSS - Introduction

SuMaRiO DSS Challenges

- Summarizing and integrating research results of SuMaRiO into a DSS

- Developing an indicator-based tool for planning, analysing and evaluating management alternatives

- Providing information for stakeholders responsible for land and water management about all relevant current and future ESS in the Aksu-Tarim Basin (ATB), as impacted by global change and actions within the basin
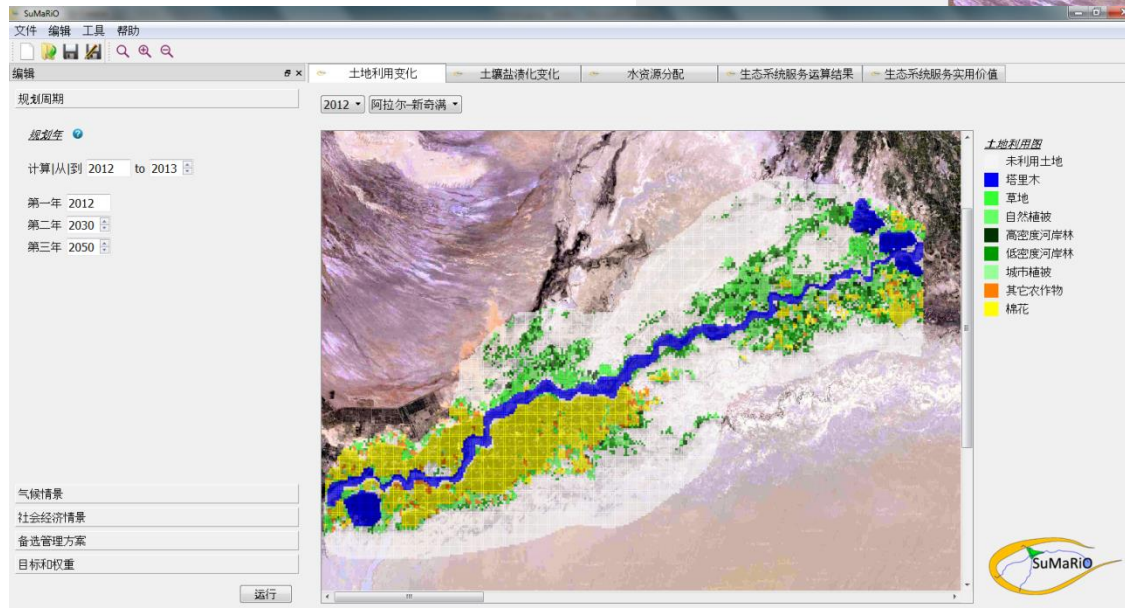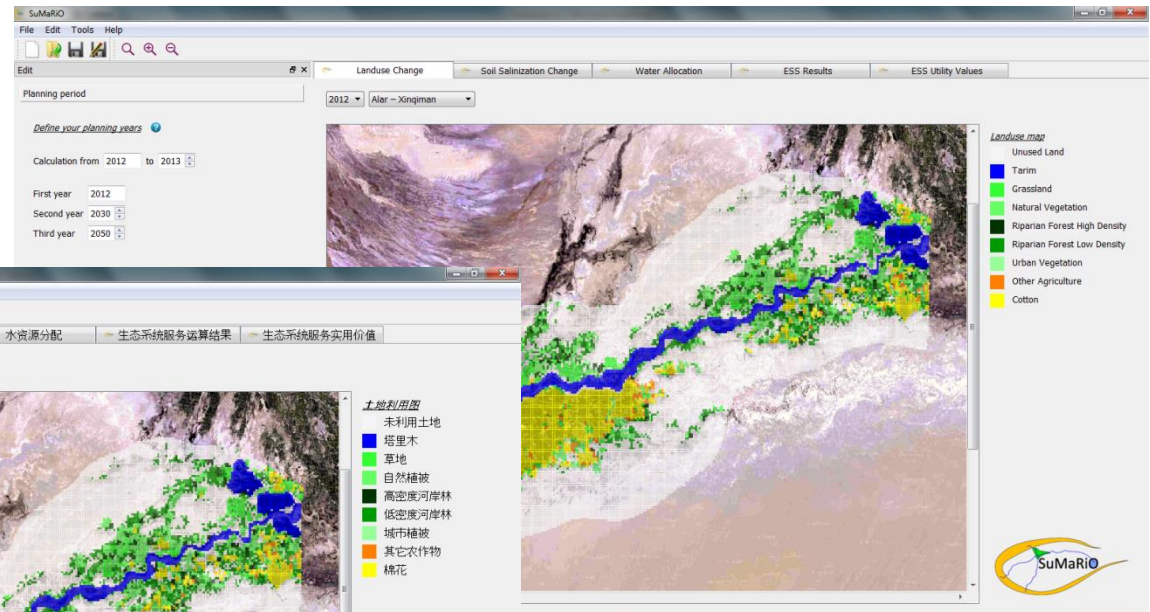
SuMaRiO DSS Objectives

➢ Under given scenario assumptions calculating information about:

  – land use change

  – soil salinization change

  – all relevant current and future ESS

  in a quantitative and semi-quantitative way

➢ Enabling a Sustainability Impact Assessment (SIA) within regional planning

SuMaRiO DSS Objectives

➢ Supporting the development of five-year plans by making it possible to analyze the effect of actions during the five years on the situation at the end of the five years and at later points in time

➢ Answering question: Which actions/decisions will lead to what impacts regarding ESS at the end of the next observed period and later

SuMaRiO DSS Software

Software tool in English

and Chinese

SuMaRiO DSS – Input process

Outcome and Outlook of the SuMaRiO DSS

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SuMaRiO DSS – Outcome