





Outlook of CRS project in China



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Xinjiang Uyghur Autonomous Region,

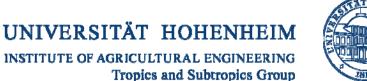
- Located in the Nordwestern of China
- It is the largest state in China
- Xinjiang has a population of more than 22 Million
- The region has an arid climate and faces several challenges such as water shortages, salinity, and desertification.





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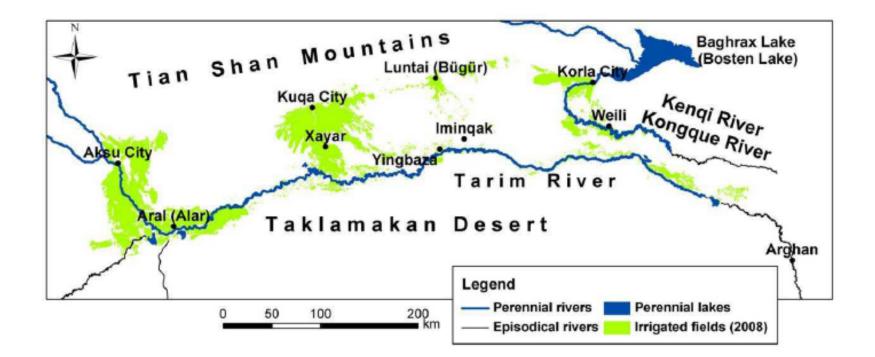


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- Located in the Nordwestern of China
- It is the largest state in China
- Xinjiang has a population of more than 22 Million
- The region has an arid climate and faces several challenges such as water shortages, salinity, and desertification.
- However, the region produces 17.1% of the Chinese cotton and 3.7% of the world's cotton.

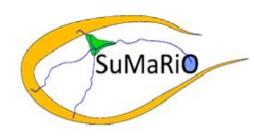


Tarim river basin





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Sustainable Management of River Oases along the Tarim River

<u>(SuMaRiO)</u>







SuMaRiO

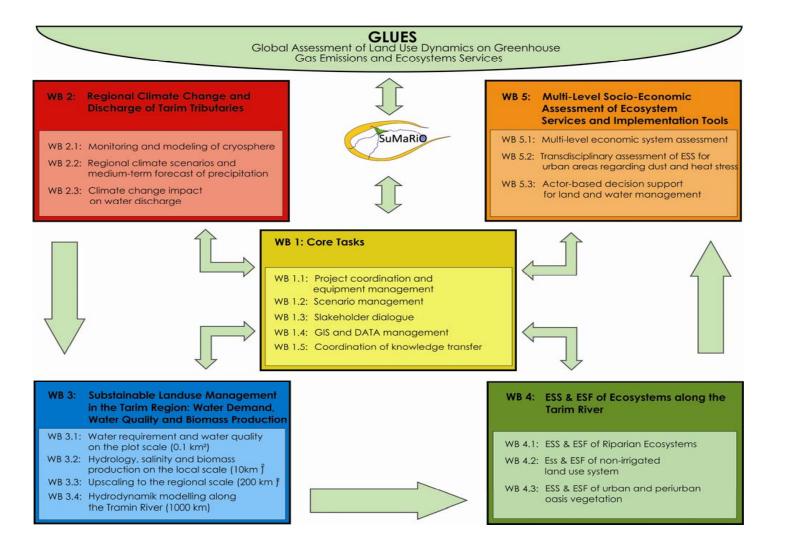
The main objectives of SuMaRiO

- Estimation of the impact of climate change on water availability
- Determination of interactions of floodplain biodiversity and their ecosystem services
- Interlinkages between runoff characteristics / water quality / oasis management / ecosystem services
- Evaluation of traditional, high-input and alternative land use systems (ecosystem services / economic and social aspects)
- Transdisciplinary research by stakeholder participation
- Installation of various internet-based tools for supporting sustainable land management by quantifying system variables and ecosystem services



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Project Structure

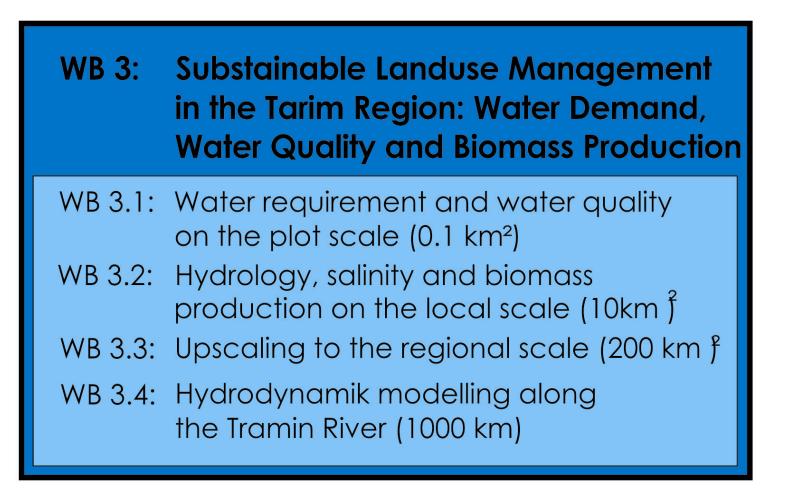




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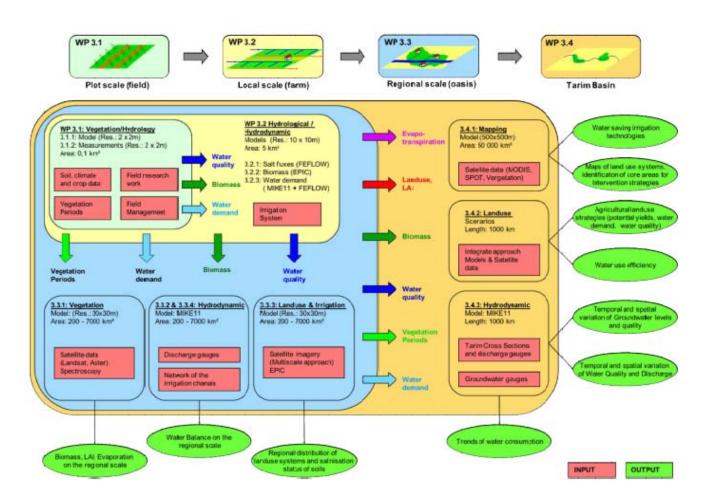
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Work Block 3 - Structure



SIL

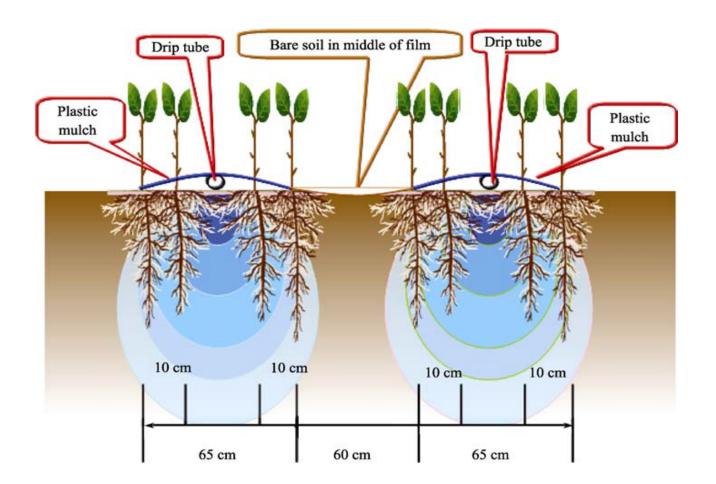
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Irrigation system



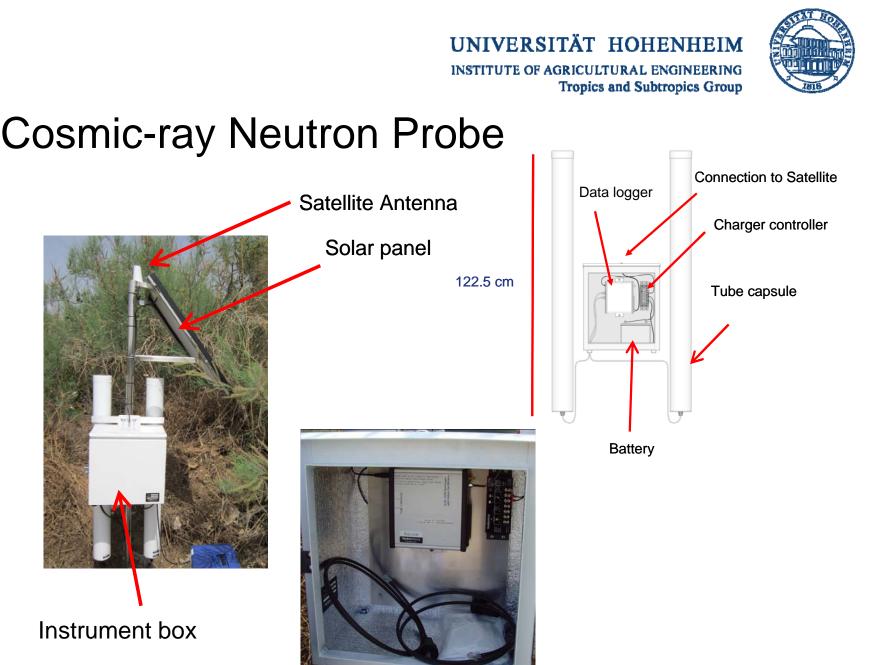
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Irrigation system







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Danke für Ihre Aufmerksamkeit