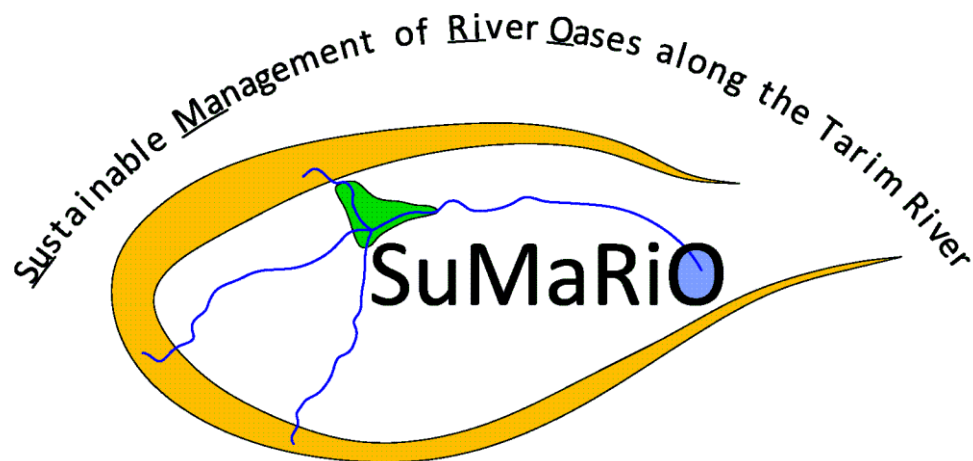


Final Sino-German Conference of SuMaRiO



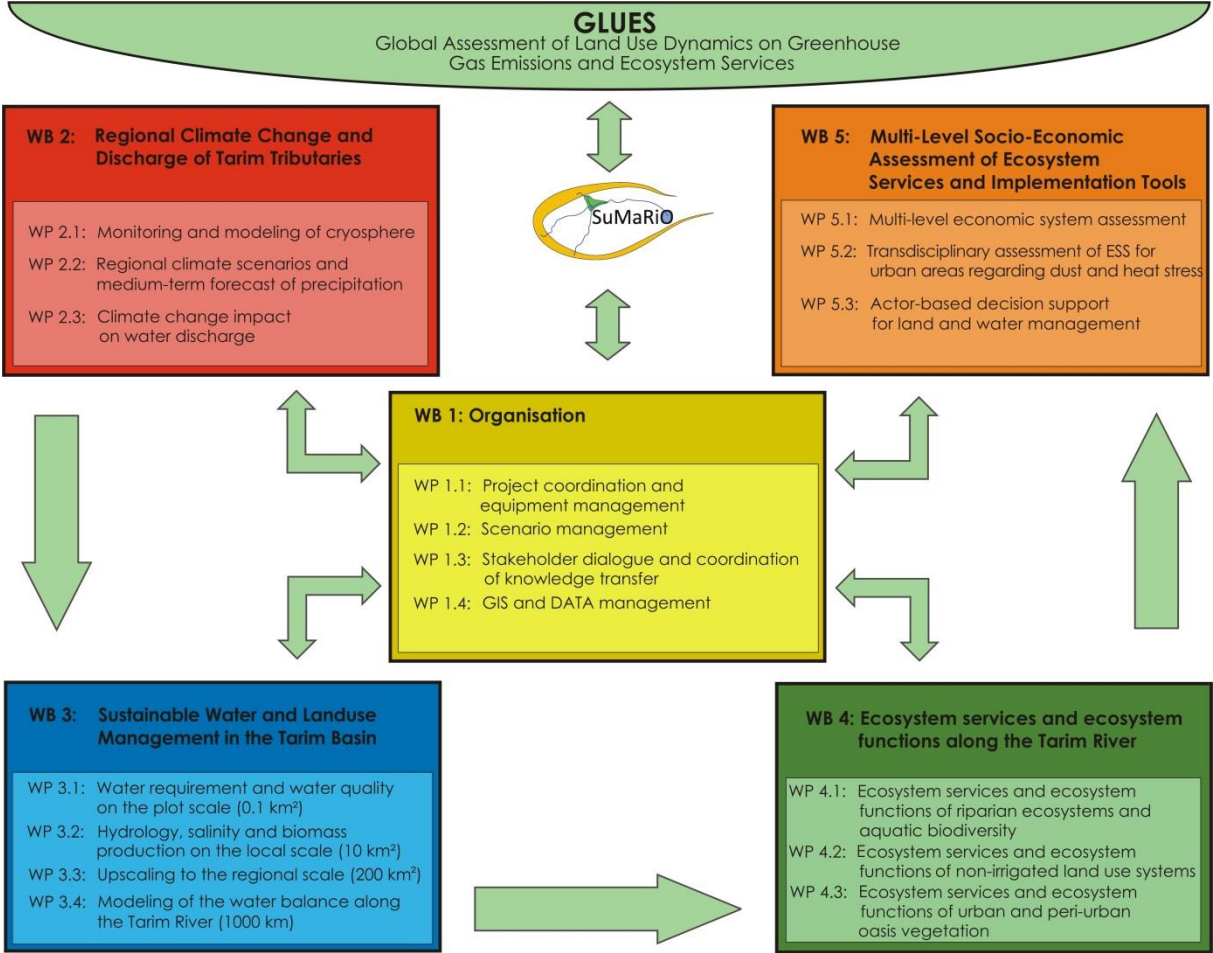
Main Results and
Presentation of the Decision Support System (DSS)
for the Tarim River Basin in North-West China

10th to 13th of December 2015, Munich

Venue:

Deutsches Museum Verkehrszentrum
Am Bavariapark 5
80339 München

The Sino-German SuMaRiO (Sustainable Management of River Oases along the Tarim River) project started in 2011. During five years of research in one of the most arid regions of the world, German and Chinese scientists have gathered a lot of results in different study areas. These results are merged into the SuMaRiO decision support system. The conference is aiming to show the results of the different disciplines, which are divided in work blocks (see figure below), their contribution to the SuMaRiO decision support system and to demonstrate and explain the functions of the decision support system.



Day 1: Thursday, 10 th of December 2015		
	09:00-09:45	<p>WELCOME OF PARTICIPANTS Prof. Hana Milanov, Ph.D. <i>Senior Vice President of the Technische Universität München, International Alliances and Alumni</i></p> <p>Prof. Dr. Markus Disse <i>Chair of Hydrology and River Basin Management, Technische Universität München</i></p> <p>Prof. Dr. Chen Xi <i>Director of Xinjiang Institute of Ecology and Geography, Chinese Academy of Sciences</i></p> <p>Wiltrud Fischer <i>DLR Project Management Agency</i></p> <p>Prof. Chen Lesheng <i>Sino-German Center for Research Promotion in Beijing</i></p>
Chair: Bernd Cyffka, Katholische Universität Eichstätt-Ingolstadt	09:45-10:30	<p>SuMaRiO - ORGANISATION - SCIENTIFIC ADVISORY BOARD Christian Rumbaur (1), Matthias Schröder (2) <i>(1) Technische Universität München, (2) GFZ German Research Centre for Geosciences</i> Summarizing challenges in the SuMaRiO project - SuMaRiO database and WebGIS application</p> <p>Yiliminuer Imit <i>Katholische Universität Eichstätt-Ingolstadt / China Academy of Forestry Sciences in Xinjiang</i> Management of Stakeholder Dialogue and Coordination of Knowledge Transfer</p> <p>Prof. Dr. Lorenz King <i>University of Gießen</i> Geocryology and glaciological trends in the Aksu catchment: consequences for the water balance</p>
	10:30-11:00	Coffee break
	11:00-12:00	<p>REGIONAL CLIMATE CHANGE, CRYOSPHERE AND DISCHARGE OF TRIBUTARIES Valentina Krysanova (1), T. Bolch (2), D. Düthmann (3), M. Wortmann (1), Sh. Huang (1) <i>(1) Potsdam Institute for Climate Impact Research, (2) TU Dresden / University of Zurich, (3) GFZ</i> Climate impact assessment for the Upper Tarim basin (until Alar) under the RCM and GCM climate scenarios, with evaluation of uncertainty</p> <p>Su Buda <i>National Climate Center, China Meteorological Administration</i> Climate Change and Water Cycle in Tarim River Basin of China</p>
	12:00-13:30	Lunch
Chair: Su Buda, National Climate Center, China Meteorological Administration	13:30-14:30	<p>SUSTAINABLE WATER AND LAND USE MANAGEMENT Markus Disse (1), Joachim Müller (2), Karl Stahr (2) <i>(1) Technische Universität München, (2) Universität Hohenheim</i> Measuring and modeling on different spatial scales along the Tarim River</p> <p>Zhao Chengyi <i>Xinjiang Institute of Ecology and Geography, Chinese Academy of Sciences</i> Water balance and simulation of eco-hydrological process along the Tarim river</p>
	14:30-15:00	Coffee Break
	15:00-16:00	<p>ECOSYSTEM SERVICES (ESS) AND ECOSYSTEM FUNCTIONS (ESF) Bernd Cyffka (1), Frank Thomas (2), Niels Thevs (3) <i>(1) Katholische Universität Eichstätt-Ingolstadt, (2) Universität Trier, (3) Universität Greifswald</i> Ecosystem Services of Riparian Ecosystems</p> <p>Ümüt Halik <i>Xinjiang University / Katholische Universität Eichstätt-Ingolstadt</i> Urban Forests, Heat and Dust stress in Xinjiang cities</p>
	16:00-17:00	<p>MULTI-LEVEL SOCIO-ECONOMIC ASSESSMENT OF ESS AND IMPLEMENTATION TOOLS Petra Döll <i>Goethe Universität Frankfurt am Main</i> Transdisciplinary assessment of ecosystem services in the Tarim basin</p> <p>Luo Jing <i>Chinese Academy of Social Sciences</i> Public perception assessment in the Tarim River Basin</p>
	17:00-17:45	<p>Markus Disse (1), Petra Döll (2) <i>Technische Universität München, Goethe Universität Frankfurt am Main</i> SuMaRiO policy recommendations for sustainable land and water management (15 min.)</p> <p>Discussion (30 min.)</p>
	18:00	Dinner

Day 2: Friday, 11 th of December 2015		
Chair: Petra Döll, Goethe Universität Frankfurt am Main	09:00-09:20	Andreas Brieden, Marie Hinnenthal, Universität der Bundeswehr München Introduction of the SuMaRiO DSS
		Base models of the SuMaRiO Decision Support System (DSS)
	09:20-09:35	Philipp Huttner, Technische Universität München Regionalization of land use, groundwater and discharge along the Tarim River
	09:35-09:50	Yu Yang, Technische Universität München Water allocation model for the Tarim River
		Components of the SuMaRiO Decision Support System (DSS)
	09:50-10:05	Patrick Keilholz, DHI-WASY, München Effects of Land Use and Climate Change on Groundwater and Ecosystems at Yingibazar by using the MIKE SHE Integrated Hydrological Model
	10:05-10:20	Tobias Bolch, TU Dresden / University of Zurich Changes of the cryosphere in the Tarim Catchment
	10:20-10:35	Bruno Merz, Doris Düthmann, GFZ German Research Centre for Geosciences Cryosphere matters - attribution of observed streamflow changes in headwater catchments of the Tarim River
	10:35-11:00	Coffee Break
Chair: Zhao Chengyi, Xinjiang Institute of Ecology and Geography	11:00-11:15	Cui Caixia, Xinjiang Meteorological Bureau, China Meteorological Administration (CMA) Weather modification and its development in Xinjiang since 1970s supported by government
	11:15-11:30	Hussein Othmani, Universität Hohenheim Soil salinity and cotton yield estimation on regional scale in Tarim River Basin using EPIC Model and SOTER-Database approach
	11:30-11:45	Joachim Hill, Sebastian Mader, Universität Trier Towards a spatially distributed concept for cotton growth modeling by coupling the APSIM model with optical remote sensing data
	11:45-13:00	Lunch
	13:00-13:15	Philipp Gärtner, Birgit Kleinschmit, Technische Universität Berlin After the browning: Assessment of long term greening trends of Tarim River Basin based on 1985–2015 satellite data
	13:15-13:30	Qian Jing, Shenzhen Institutes of Advanced technology, Chinese Academy of Sciences Spatial pattern of populus euphratica forest change as affected by water conveyance in the lower Tarim River, China
	13:30-13:45	Frank Thomas, Universität Trier Performance of Populus euphratica in riparian forests of the Tarim River Basin, NW China: Effects of use and distance to the ground water
	13:45-14:00	Benno Kügel, Wasserwirtschaftsamt Ingolstadt/Katholische Universität Eichstätt Aquatic Biodiversity of the Tarim River referring to macro invertebrates and fish - a crucial résumé
	14:00-14:15	Dong Ye, Xinjiang Normal University Spatial distribution and living situation of Urumqi ethnic minority migrant workers in the process of urbanisation
		14:15-14:45
Chair: Lorenz King, Universität Gießen	14:45-15:00	Heinrich Hagel, Reiner Doluschitz, Universität Hohenheim Sustainable water use, costs and financial incentives
	15:00-15:15	Michael Ahlheim, Universität Hohenheim The nonuse and long-distance values of a more sustainable oasis management in the Tarim Basin
		Outcome and Outlook of the SuMaRiO Decision Support System (DSS)
	15:15-15:30	Andreas Brieden, Marie Hinnenthal, Universität der Bundeswehr München SuMaRiO DSS - lessons learned and upcoming developments
	15:30-15:45	Su Buda, National Climate Center, China Meteorological Administration SuMaRiO achievement applied in the Chinese 13th Five Year Plan
	15:45-16:00	Markus Disse and Chen Xi - Closing Remarks and future challenges

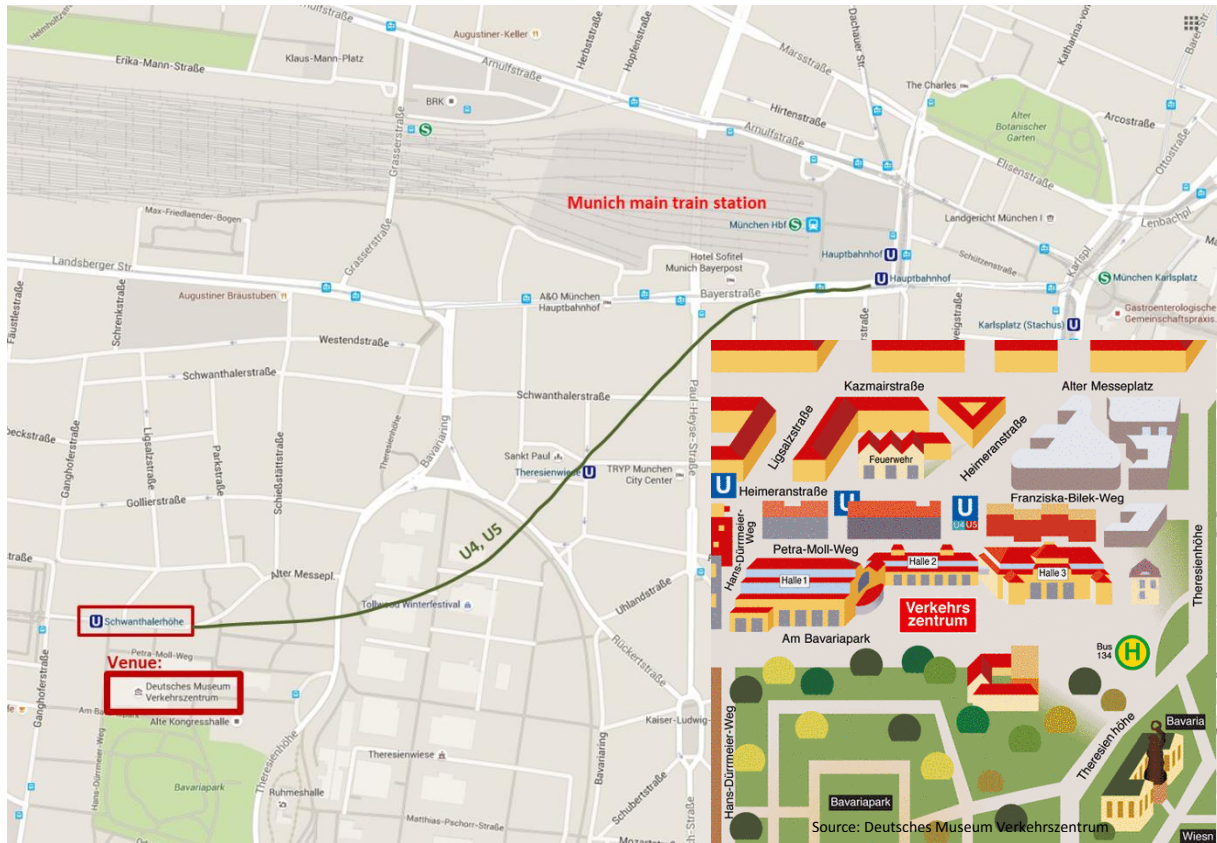
Day 3: Saturday, 12th of December 2015		
Chair: Markus Disse, Technische Universität München	09:00-09:20	Liu Ying , <i>Xinjiang Key Laboratory of RS and GIS, Chinese Academy of Sciences</i> The effects of Kaidu River discharges on the salinity dynamics of Bosten Lake with ECOMSED
	09:20-09:35	Petra Döll , <i>Goethe-Universität Frankfurt am Main</i> Modeling ecosystem services of urban and peri-urban vegetation using Bayesian Networks
	09:35-09:50	Luan Xiaofeng , <i>Beijing Forestry University</i> Prioritizing conservation planning for rare and endangered species in arid area, a case study of mammal
	09:50-10:05	Bernd Cyffka, Martin Kuba , <i>Katholische Universität Eichstätt- Ingolstadt</i> Dust retention at the lower reaches of the Tarim River
	10:05-10:20	Yu Ruide , <i>Xinjiang Institute of Ecology and Geography</i> Impact of environmental changes on Tugai forests in the semi-arid Zhungeer basin in NW China
	10:20-10:35	Lorenz King , <i>Justus-Liebig-Universität Gießen</i> Geocryology and glaciological trends in the Naryn catchment (Kyrgyzstan): consequences for the water balance and possible natural hazards
	10:35-11:00	Coffee Break
	11:00-11:15	Tang Xiangling , <i>Shihezi University</i> <i>Analysis of spatial and temporal variation in extreme climate events in Xinjiang, China, 1961–2010</i>
	11:15-11:30	Christian Opp , <i>Philipps-Universität Marburg</i> Lake-catchment analyses from research and teaching
	11:30-11:45	Yang Meilin , <i>Xinjiang Institute of Ecology and Geography</i> Arid vegetation species in Xinjiang in Northwest China
	11:45-13:00	Lunch
Chair: Yu Ruide, Xinjiang Institute of Ecology and Geography	13:00-13:15	Ümüt Halik (1,2), Martin Welp (3) , (1) <i>Xinjiang University</i> / (2) <i>Katholische Universität Eichstätt-Ingolstadt</i> / (3) <i>University for Sustainable Development Eberswalde</i> Urban forests, heat and dust stress in Xinjiang cities
	13:15-13:30	Bao Anming , <i>Xinjiang Key Laboratory of RS and GIS</i> The influence of climate change on water cycle of Central Asia
	13:30-13:45	Joachim Müller , <i>Universität Hohenheim</i> Growth and yield response of cotton to deposition of chemically inert dust in North West China
	13:45-14:00	Feng Xianwei , <i>Xinjiang Institute of Ecology and Geography</i> Application research of multi-source remote sensing data to large scale full distributed hydrological model in Tarim Basin, China
	14:00-14:15	Karl Stahr , <i>Universität Hohenheim</i> Soil salinization and degradation in the Tarim basin
	14:15-14:45	Coffee Break
	14:45-15:00	Lu Yinong , <i>Xinjiang Normal University</i> Analysis of Brand Construction about Industry Cluster of Turpan Tourism
	15:00-15:15	Amr Fleifle , <i>Alexandria University</i> Optimization of integrated water quality management for agricultural efficiency and environmental conservation in the Nile Delta
	15:15-15:30	Michel Wortmann , <i>Potsdam Institute for Climate Impact Research</i> The upper Tarim SWIM model
	15:30-15:45	Marco Roelcke , <i>German-Chinese Agricultural Center</i> Aims and Tasks of the German-Chinese Agricultural Center in Beijing (DCZ)
	15:45-16:00	Markus Disse and Chen Xi - Final Remarks and future research in the framework of MEECAL

Day 4: Sunday, 13th of December 2015		
	10:00-18:00	Excursion to the Meteorological Observatory Hohenpeissenberg <i>Presentation by Peter Winkler (former head of the observatory):</i> <i>Global Atmosphere Watch (including Weather Radar)</i> Lunch



Location and directions

The venue of the conference is the Deutsches Museum Verkehrszentrum, Am Bavariapark 5, 80339 München. The conference room is in “Halle 1” (see map below) just beside the main entrance of the museum.



Getting there:

By public transport:

- Underground lines U4 and U5 to “Schwanthalerhöhe”. Starting from the Munich main train station take the subway in the direction to “Westendstraße” (U4) or “Laimer Platz” (U5)
- bus 53 to “Schwanthalerhöhe”
- bus 134 to “Theresienhöhe”
- all S-Bahn train lines to “Hackerbrücke” (15 min walk)

Parking

There is unfortunately no parking available at the museum. The nearest available parking: Theresienwiese parking lot and the Heimeranstraße parking structure.

Hotels nearby conference venue

Hotel Bavaria,

Gollierstraße 9, 80339 München

Homepage: www.hotel-bavaria.com

Phone: 089 5080790

Hotel Seibel,

Theresienhöhe 9, 80339 München

Homepage: www.seibel-hotels-munich.de

Phone: 089 5401420

Pension Belo Sono,
Gollierstraße 36, 80339 München
Homepage: www.pension-belo-sono.de
Phone: 089 54073864

Pension Westfalia,
Mozartstraße 23, 80336 München
Homepage: www.pension-westfalia.de
Phone: 089 530377

Motel One München-City West,
Landsberger Straße 79, 80339 München
Homepage: www.motel-one.de
Phone: 089 53886890

Registration

The conference and the excursion are **free of charge and open to the public**. However, registration for the conference and/or the excursion is requested **until 30th November 2015** by email (christian.rumbaur@tum.de).

Organized by

Technische Universität München
Chair of Hydrology and River Basin Management
Arcisstr.21
80333 München

Contact persons:

Prof. Dr.-Ing. Markus Disse
Email: markus.disse@tum.de
Phone: +49 89 289 23916

Dr. Christian Rumbaur
Email: christian.rumbaur@tum.de
Phone: +49 89 289 23227

SuMaRiO Partner

