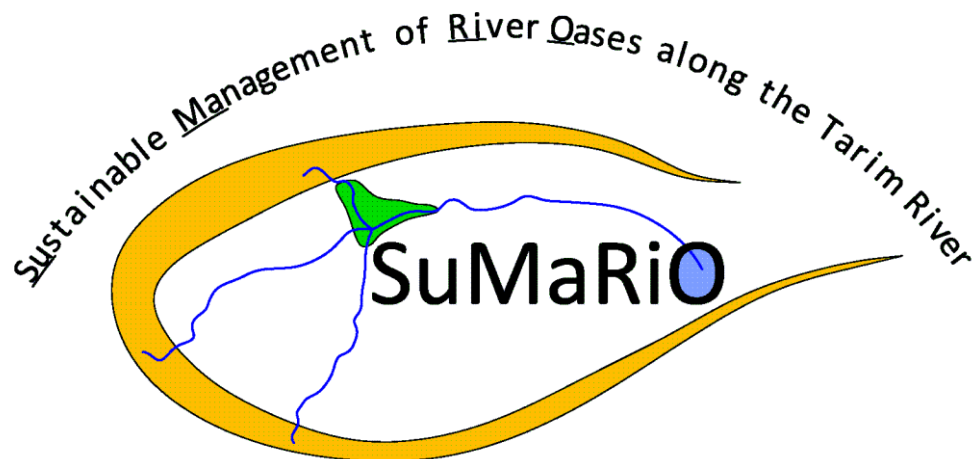


Final Sino-German Conference of SuMaRiO



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

10th to 12th of December 2015, Munich

Venue:

Deutsches Museum Verkehrszentrum
Am Bavariapark 5
80339 München



Federal Ministry
of Education
and Research



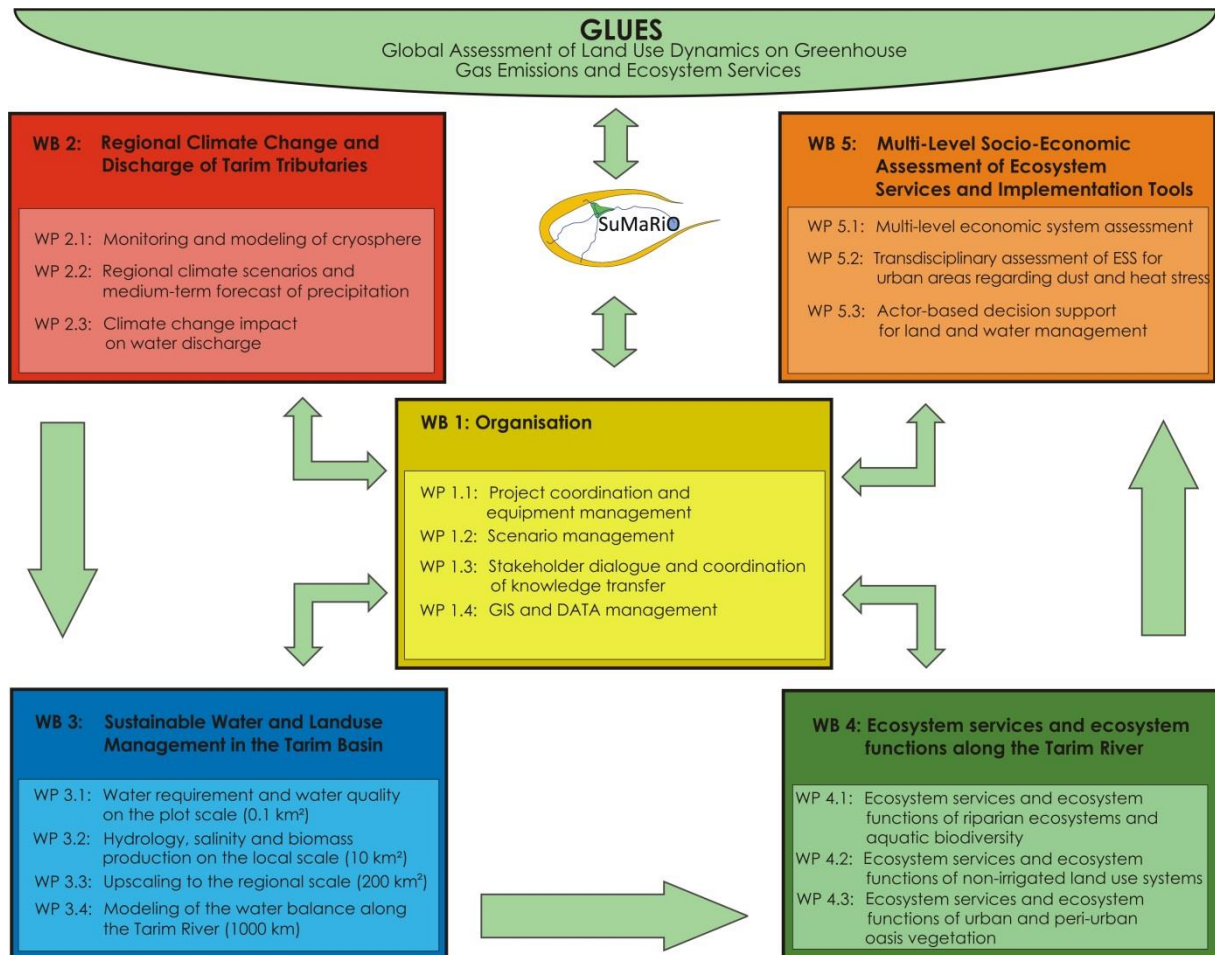
FONA
Research for Sustainable
Development
BMBF



**SUSTAINABLE
LAND MANAGEMENT**

Chinesisch-Deutsches
Zentrum für
Wissenschaftsförderung
中德科学中心

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.

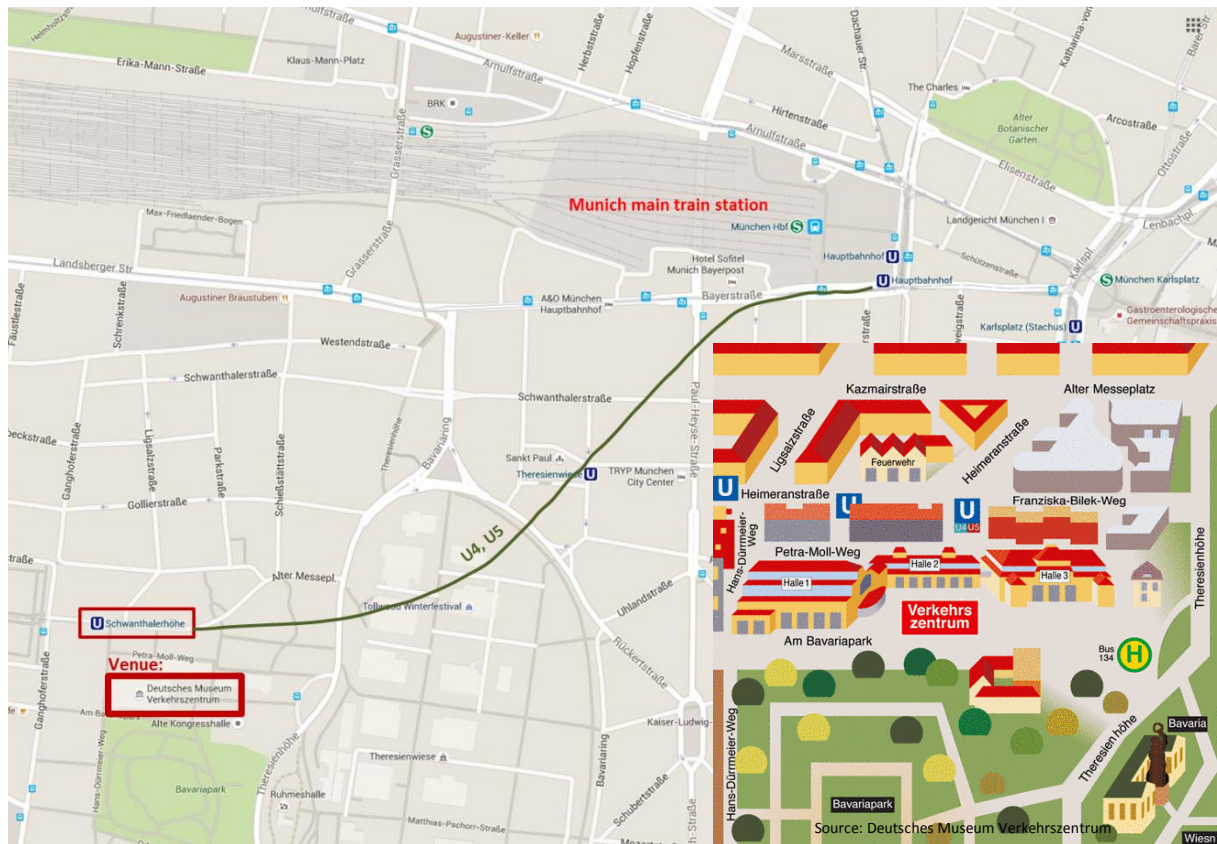


Day 1: Thursday, 10 th of December 2015	
09:00-09:45	WELCOME OF PARTICIPANTS Prof. Dr. Gerhard Müller <i>Vice-President of the Technische Universität München</i> Prof. Dr. Markus Disse <i>Chair of Hydrology and River Basin Management, Technische Universität München</i> Prof. Dr. Chen Xi <i>Director of Xinjiang Institute of Ecology and Geography, Chinese Academy of Sciences</i> Wiltrud Fischer <i>DLR Project Management Agency</i> Prof. Chen Lesheng <i>Sino-German Center for Research Promotion in Beijing</i>
09:45-10:15	SuMaRiO - ORGANISATION 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 Yiliminuer Imit <i>Katholische Universität Eichstätt-Ingolstadt</i> Stakeholder dialogues and dissemination
10:15-10:45	Coffee break
10:45-11:45	REGIONAL CLIMATE CHANGE, CRYOSPHERE AND DISCHARGE OF TRIBUTARIES Valentina Krysanova (1), T. Bolch (2), D. Dүthmann (3), M. Wortmann (1), Sh. Huang (1) <i>(1) Potsdam Institute for Climate Impact Research, (2) TU Dresden / University of Zurich, (3) GFZ German Research Centre for Geosciences</i> Climate impact assessment for the Upper Tarim basin (until Alar) under the RCM and GCM climate scenarios, with evaluation of uncertainty Su Buda <i>National Climate Center, China Meteorological Administration</i> Climate Change and Water Cycle in Tarim River Basin of China
11:45-13:00	Lunch
13:00-14:00	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 Zhao Chengyi <i>Xinjiang Institute of Ecology and Geography, Chinese Academy of Sciences</i> Spatial and temporal dynamics of soil water content in desert oasis ecotone
14:00-14:30	Coffee Break
14:30-15:30	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 Ümüt Halik <i>Xinjiang University / Katholische Universität Eichstätt-Ingolstadt</i> Urban Forests, Heat and Dust stress in Xinjiang cities
15:30-16:30	MULTI-LEVEL SOCIO-ECONOMIC ASSESSMENT OF ESS AND IMPLEMENTATION TOOLS Petra Döll <i>Goethe Universität Frankfurt am Main</i> Transdisciplinary knowledge integration Luo Jing <i>Chinese Academy of Social Sciences</i> Public perception assessment in the Tarim River Basin
16:30-17:50	Cai Qinghua (1), Wang Guojie (2) <i>(1) Chinese Academy of Sciences, (2) Nanjing University of Information Science & Technology</i> SuMaRiO achievements for Asian River basins (20 min.) Markus Disse <i>Technische Universität München</i> SuMaRiO - policy recommendations for sustainable land and water management (20 min.) Discussion (40 min.)
18:00	Dinner

Day 2: Friday, 11 th of December 2015	
09:00-09:20	Andreas Brieden, Marie Hinnenthal, Universität der Bundeswehr München Introduction of the SuMaRiO DSS
	Base models of the SuMaRiO Decision Support Sytem (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 Sytem (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 Dühmann, 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
11:00-11:15	Bao Anming, Xinjiang Institute of Ecology and Geography, Chinese Academy of Sciences Effect of Land-use change and artificial recharge on the groundwater in an arid inland river basin
11:15-11:30	Hussein Othmanli, 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, Wasserwirtschaftsamtsamt 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	Coffee Break
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 Sytem (DSS)
15:15-15:30	Andreas Brieden, Marie Hinnenthal, Universität der Bundeswehr München SuMaRiO DSS - lessons learned and upcoming developments
15:30-15:45	Jiang Tong, 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, 12 th of December 2015	
09:00-15:00	Excursion to the Danubian Reparian Forests Visit of the Aueninstitut Neuburg an der Donau Visit of the Flood Retention Polder Riedensheim

Location and directions

The venue of the conference is the Deutsche 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

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SuMaRiO Partner

