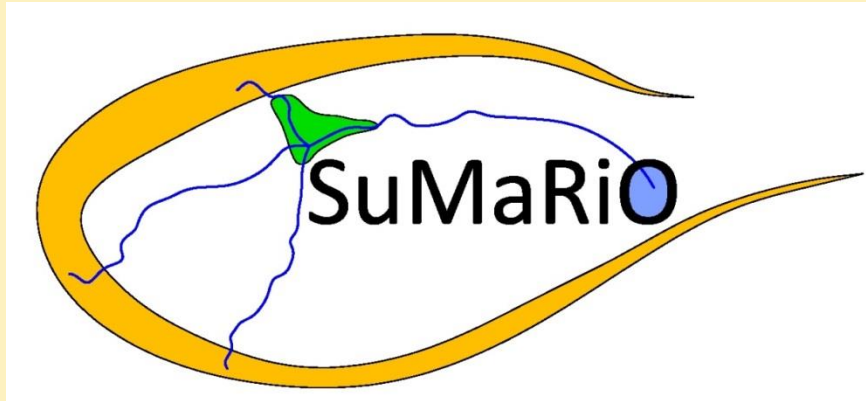


Sino-German

SuMaRiO final public conference



Results of the SuMaRiO project and the presentation of the decision support system for the Tarim River Basin, northwestern China

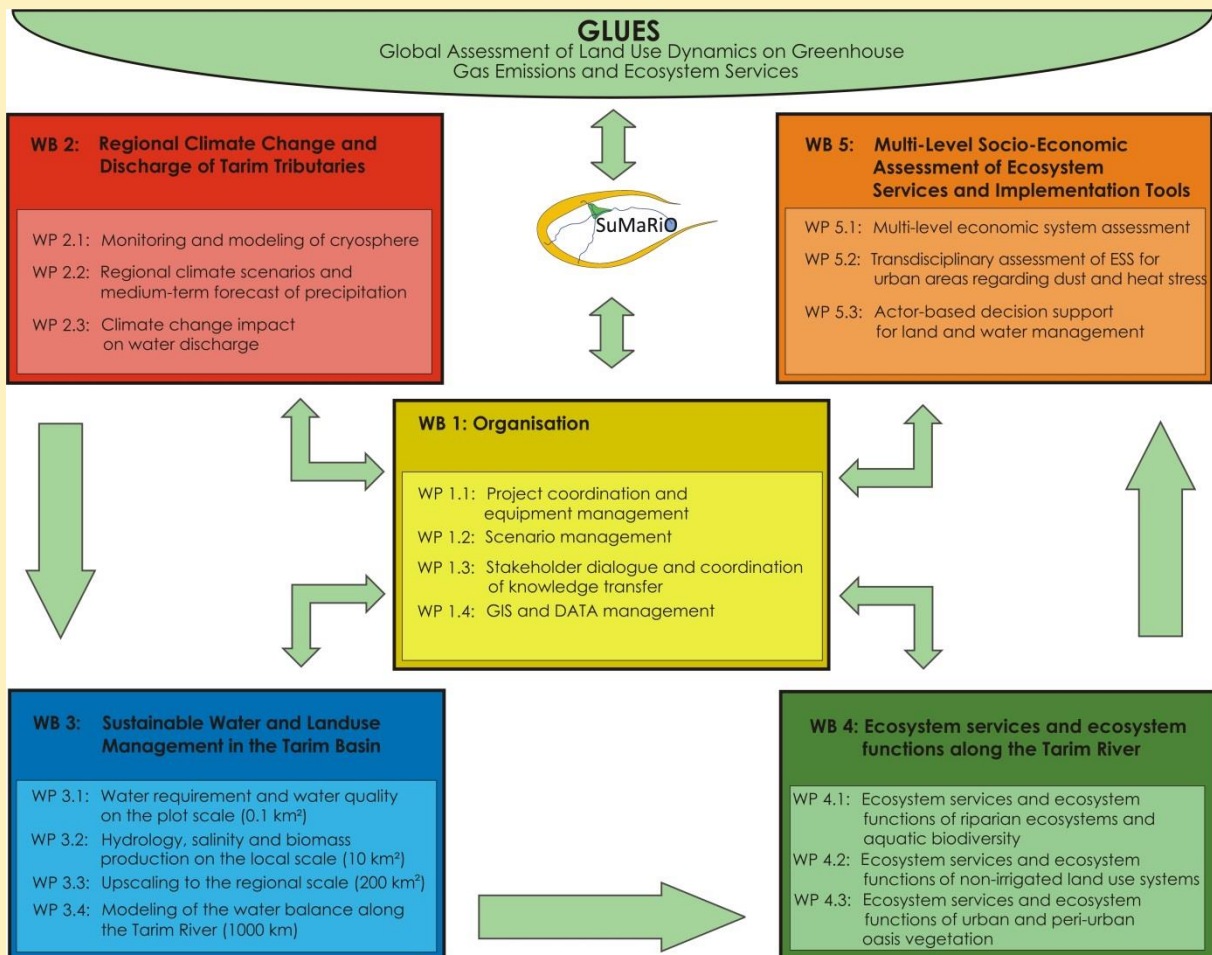
10th and 11th December 2015, Munich

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.



Program

Day 1: Thursday, 10 th of December 2015	
09:00-09:15	Welcome of Participants, Prof. Dr. Markus Disse , <i>Chair of Hydrology and River Basin Management, Technische Universität München</i>
09:15-09:30	Welcome of Participants, Prof. Dr. Chen Xi , <i>Director of Xinjiang Institute of Ecology and Geography, Chinese Academy of Sciences</i>
09:30-09:45	Welcome of Participants, Wiltrud Fischer , <i>DLR Project Management Agency</i> (inquired)
09:45-10:00	Welcome of participants, N.N., Representative of the TUM Board of Management , <i>Technische Universität München</i> (inquired)
10:00-11:00	SuMaRiO - Organisation: Christian Rumbaur , <i>Technische Universität München</i> - Summarizing challenges in the SuMaRiO project Matthias Schröder , <i>GFZ German Research Centre for Geosciences</i> - SuMaRiO Database and WebGIS application
11:00-11:15	Coffee break
11:15-12:15	Regional climate change, cryosphere and discharge of tributaries: Valentina Krysanova, D. DÜthmann, M. Wortmann, Sh. Huang, T. Bolch , <i>Potsdam Institute for Climate Impact Research, University of Zurich, 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 Jiang Tong , <i>National Climate Center, China Meteorological Administration</i> - Effects of Climate Change in Arid Landscapes
12:15-13:15	Lunch
13:15-14:15	Sustainable water and land use management: Markus Disse , <i>Technische Universität München</i> - Measuring and modeling on different spatial scales 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
14:15-14:45	Coffee Break
14:45-15:45	Ecosystem services and ecosystem functions: Bernd Cyffka , <i>Katholische Universität Eichstätt-Ingolstadt</i> - Ecosystem Services of Riparian Forests under water stress Ümüt Halik , <i>Xinjiang University</i> - Urban Forests, Heat and Dust stress in Xinjiang cities
15:45-16:45	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
16:45-17:00	Markus Disse , <i>Technische Universität München</i> - Putting things together - main achievements of SuMaRiO
18:00	Dinner

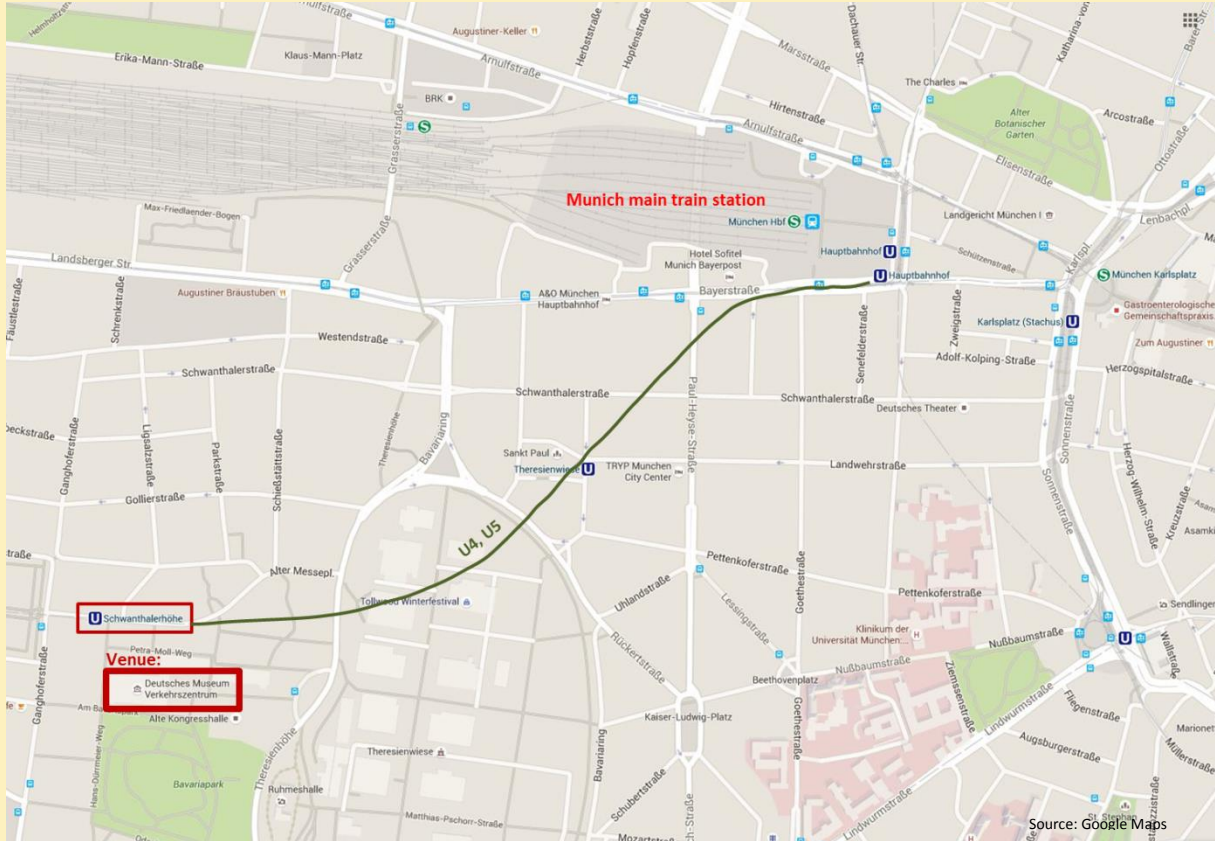


Program (continued)

Day 2: Friday, 11 th of December 2015	
09:00-09:20	Andreas Brieden/Marie Hinnenthal , <i>Universität der Bundeswehr München</i> - Introduction of the SuMaRiO DSS
SuMaRiO DSS Base models	
09:20-09:35	Philipp Huttner , <i>Technische Universität München</i> - Regionalization of land use, groundwater and discharge along the Tarim River
09:35-09:50	Yu Yang , <i>Technische Universität München</i> - Water allocation model for the Tarim River
09:50-10:10	Coffee Break
Components of the DSS	
10:10-10:25	Patrick Keilholz , <i>DHI (München)</i> - Effects of Land Use and Climate Change on Groundwater and Ecosystems at Yingibazar by using the MIKE SHE Integrated Hydrological Model
10:25-10:40	Tobias Bolch , <i>TU Dresden/University of Zurich</i> - Changes of the cryosphere in the Tarim Catchment
10:40-10:55	Bruno Merz, Doris Dühmann , <i>GFZ German Research Centre for Geosciences</i> - Cryosphere matters - attribution of observed streamflow changes in headwater catchments of the Tarim River
10:55-11:10	Coffee Break
11:10-11:25	Bao Anming , <i>Xinjiang Institute of Ecology and Geography, Chinese Academy of Sciences</i> - Effect of Land-use change and artificial recharge on the groundwater in an arid inland river basin
11:25-11:40	Hussein Othmanli , <i>Universität Hohenheim</i> - Soil salinity and cotton yield estimation on regional scale in Tarim River Basin using EPIC Model and SOTER-Database approach
11:40-11:55	Benno Kügel , <i>Wasserwirtschaftsamt Ingolstadt/Katholische Universität Eichstätt</i> - Aquatic Biodiversity of the Tarim River referring to macro invertebrates and fish - a crucial résumé
11:55-13:00	Lunch
13:00-13:15	Philipp Gärtner , <i>Technische Universität Berlin</i> - 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 , <i>Shenzhen Institutes of Advanced technology, Chinese Academy of Sciences</i> - Spatial pattern of populus euphratica forest change as affected by water conveyance in the lower Tarim River, China
13:30-13:45	Joachim Hill/Sebastian Mader , <i>Universität Trier</i> - Towards a spatially distributed concept for cotton growth modeling by coupling the APSIM model with optical remote sensing data
13:45-14:00	Frank Thomas , <i>Universität Trier</i> - Performance of Populus euphratica in riparian forests of the Tarim River Basin, NW China: Effects of use and distance to the ground water
14:00-14:15	Dong Ye , <i>Xinjiang Normal University</i> - Spatial distribution and living situation of Urumqi ethnic minority migrant workers in the process of urbanisation
14:15-14:30	Coffee Break
14:30-14:45	Heinrich Hagel/Reiner Doluschitz , <i>Universität Hohenheim</i> - Sustainable water use, costs and financial incentives
14:45-15:00	Michael Ahlheim , <i>Universität Hohenheim</i> - The nonuse and long-distance values of a more sustainable oasis management in the Tarim Basin
15:00-15:15	Andreas Brieden/Marie Hinnenthal , <i>Universität der Bundeswehr München</i> - The outcome and outlook of the SuMaRiO DSS
15:15-15:30	Markus Disse/Chen Xi - Closing Remarks

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.



Detailed Map:



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 is free of charge and open to the public. However, registration 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

