



## Towards Sustainable Urban Regions: Transfer in Sino-German Collaborations

Regional Conference China

22 March 2024, Tongji University Shanghai



The **Sustainable Development of Urban Regions (SURE)** funding priority is committed to the pivotal mission of creating actionable knowledge and tangible solutions for sustainability and resilience. Within the comprehensive framework of SURE, ten collaborative projects are diligently shaping locally adaptable strategies to promote sustainable resource utilisation and elevate living standards in urban regions across **Southeast Asia and China**. Under the SURE Framework, **two Sino-German projects, URA & IMECOGIP** and the SURE Facilitation and Synthesis Research project, organise a regional conference titled "Towards Sustainable Urban Regions: Sino-German Approaches". This event seeks to highlight the aspects of transfer approaches of Sino-German collaborations, facilitate the exchange of knowledge, foster international cooperation, and disseminate valuable insights into sustainable urban development. The esteemed **Tongji University will host the event**, specifically the College of Architecture and Urban Planning (CAUP) with the CDHK, Sino-German Research Centre for Sustainable City and Associate Professor Dr.-Ing. Dong Nannan, local coordinator of the IMECOGIP Project within the SURE funding initiative.

### The projects

- As its name says, the project **IMECOGIP** focuses on the **implementation of the ecosystem services concept in green infrastructure planning** to strengthen the resilience of the Ruhr Metropolis and Chinese megacities. By recognising green infrastructure as a carrier of ecosystem services, IMECOGIP creates innovative methods for assessment, considering cultural, socio-economic, and climatic factors. The project develops expertise and comprehensive methods for planning green infrastructure in densely populated urban areas and transfer it into planning practices in both regions. IMECOGIP fosters practical implementation research through collaboration with developers and stakeholders in Germany and China.
- The **Urban Rural Assembly (URA)** project focuses on enhancing integrated urban-rural development and circular economies in China's Huangyan-Taizhou region. It employs interdisciplinary research to create a transdisciplinary regional strategy through participatory and actor-oriented planning. URA aims to transform urban and rural areas into an integrated whole, developing tools and strategies for socio-ecological sustainability. It includes case studies in Huangyan-Taizhou, Zhejiang, China, and Nordhausen, Thuringia, Germany, to inform policy recommendations for integrated urban-rural planning.
- Integral to the SURE initiative is the Facilitation and Synthesis Research (F&SR) project, which is dedicated to encouraging the continuous exchange and learning process between the collaborative projects and promotes the cross-project communication with thematically related organisations. The project facilitates inter-project and programme activities and focuses on synthesising research outputs from the SURE collaborative projects. It aims to identify research gaps, create synergies, and develop knowledge transfer approaches to support the implementation of sustainable solutions in urban regions.

## Organizers

- College of Architecture and Urban Planning (CAUP), Tongji University
- Chinesisch-Deutsches Hochschulkolleg (CDHK), Tongji University
- National Science and Technology Park of Tongji University
- Shanghai Tongji Urban Planning & Design Institute Co. Ltd (TJUPDI)
- Ruhr University Bochum, Institute of Geography, Faculty of Geosciences
- Research Institute for Regional and Urban Development, Dortmund
- Technische Universität Berlin, Institute for Architecture, Chair of International Urbanism (Habitat Unit)
- HafenCity University Hamburg, Digital City Science Chair
- Technische Hochschule Lübeck, University of Applied Sciences
- TÜV Rheinland Consulting GmbH



## Agenda

- 9:00 Welcome and Introduction**
  - Prof. Dr. Jörg R. Noennig, HafenCity University Hamburg
  - Prof. Dr. Yuan Feng, Tongji University
- 9:10 Group Photo**
- 9:15 Keynotes: Transfers in Sino-German Collaboration**
  - Dr. Sigrun Abels, Technische Universität Berlin
  - Associate Prof. Dr. Liu Kan, Tongji University
- 9:45 Project Presentations: Sino-German Collaboration in Sustainable Urban and Rural Development**
  - Laura Henneke, Technische Universität Berlin and Dr. Huang Huang, Tongji University
  - Prof. Dr. Harald Zepp, Ruhr University Bochum
  - Magali Menant, Constellations (Shanghai) Co. Ltd.
  - Associate Prof. Dr. Yi Xin, Southeast University
- 10:45 Coffee Break**
- 11:00 Panel Discussion: International Collaboration – Good Practices and Lessons Learned**
  - Prof. Dr. Zhao Min, Tongji University
  - Prof. Dr. Yang Guiqing, Tongji University
  - Prof. Dr. Liu Jian, Tsinghua University
  - Prof. Dr. Anke Hagemann, Technische Universität Berlin
  - Prof. Dr. Harald Zepp, Ruhr University Bochum
  - Magali Menant, Constellations (Shanghai) Co. Ltd.
  - Dr. Andrea Palmioli, University of Nottingham Ningbo China
- 12:00 Lunch Break**
- 13:30 Parallel Sessions 1 (details on page 5)**
  - Workshop A: Eco-Governance and Eco-Restoration in China
  - Workshop B: Collaborative Planning Approaches in China and Germany: Ways to Go Forward?
- 15:00 Tea Break**



- **15:15 Parallel Sessions 2** (details on page 6)
  - Workshop A: Implementing the Ecosystem Services Concept in Chinese Spatial and Landscape Planning
  - Workshop B: Formats and Instruments of Science-Policy Transfer in Sustainable Urban Development
  
- **16:45 Tea Break**
  
- **17:00 Plenary Discussion: Transfers from Science to Practice – Takeaway from the Parallel Sessions**
  - Associate Prof. Dr. Dong Nannan, Tongji University
  
- **17:50 Closing Remarks**
  - Dr. Jan Harder, Tongji University
  - Prof. Dr. Jörg R. Noennig, HafenCity University Hamburg
  
- **18:00 End of the Event**



## Parallel Sessions 1

### Workshop A Part 1: Eco-Governance and Eco-Restoration in China

Hosted by IMECOGIP

- 13:30 **Welcome and Introduction**
  - Pan Yu, National Science and Technology Park of Tongji University
  - Prof. Dr. Harald Zepp, Ruhr-University Bochum
  - Associate Prof. Dr. Dong Nannan, Tongji University

- 13:45 **Impulse 1: Recent Developments in China's Eco-Governance**

- Associate Prof. Dr. Wang Xin, Tongji University

#### **Impulse 2: Challenges of Ecological Restoration in Shanghai's Peri-Urban Areas: Insights from the Science to Policy Interface**

- Associate Prof. Dr. Gan Jing, Tongji University

#### **Impulse 3: Evaluation of Ecosystem Services in Huangyan - Taizhou, China**

- Dr. Xiao Suili, Leibniz Institute of Ecological Urban and Regional Development

### Workshop B Part 1: Collaborative Planning Approaches in China and Germany: Ways to Go Forward?

Hosted by URA

- 13:30 **Welcome and Introduction**
  - Prof. Dr. Anke Hagemann, Technische Universität Berlin

- 13:35 **Impulse 1: Participative Planning Approaches in China**

- Prof. Dr. Liu Jian, Tsinghua University

#### **Impulse 2: Co-visioning and Space-sharing in "Future Village" Development in Zhejiang Province**

- Dr. Xie Yuting, Zhejiang University

#### **Impulse 3: Current Methods and Challenges in the URA Project**

- Dr. Maria Frölich-Kulik, Bauhaus Universität Weimar
- Katerina Marečková, Forward Planung und Forschung, Berlin

- 14:05 **Round-Table Discussion**

- Associate Prof. Dr. Chen Chen, Tongji University
- Prof. Dr. Harald Zepp, Ruhr University Bochum

## Parallel Sessions 2

### Workshop A Part 2: Implementing the Ecosystem Services Concept in Chinese Spatial and Landscape Planning Hosted by IMECOGIP

#### 15:00 **Impulse 1: The IMECOGIP Toolbox for Mapping, Assessing and Comparing Ecosystem Services**

- Malte Bührs, Ruhr University Bochum
- Lars Gruenhagen, Ruhr University Bochum

#### **Impulse 2: Application of the Toolbox to Real World Examples on Different Scales**

- **Local scale: Chongming Island**  
Wei Weixuan, Tongji University
- **Regional Scale: Yangtze River Delta Demonstration Area**  
Associate Prof. Dr. Dai Daixin, Tongji University

#### 16:15 **Round-Table Discussion: Scientific Requirements**

- All Participants

### Workshop B Part 2: Formats and Instruments of Science-Policy Transfer in Sustainable Urban Development Hosted by URA

#### 15:00 **Impulse 1: Leveraging Policy Briefs for Global Perspectives in Local Policy and Planning**

- Grace Githiri, UN-Habitat

#### **Impulse 2: The URA Project's 'Raumbild' Policy Brief – Draft Presentation**

- Lukas Pappert, Technische Universität Berlin

#### 15:30 **Round-Table Discussion**

- Prof. Dr. Liu Jian, Tsinghua University
- Associate Prof. Dr. Chen Chen, Tongji University

