

Transition towards urban sustainability through socially integrative cities

Research and development in the EU and in China as a contribution to the implementation of the New Urban Agenda

Bernhard Müller
IOER, Dresden (Germany)

WUF 9
Kuala Lumpur
February 11, 2018



Why shall we talk about ...

... socially integrative cities ?



Why shall we talk about ...

Cities Dynamics Change



... socially integrative cities



Why shall we talk about ...



Innovation
Lifestyles
Quality of life

... socially integrative cities



Why shall we talk about ...

Disparities
Social cohesion
and integration



... socially integrative cities



Sustainable Development Goals and the New Urban Agenda



Sustainable Development Goals and the New Urban Agenda



Make cities and human settlements **inclusive**, safe, resilient and sustainable



Sustainable Development Goals and the New Urban Agenda

By 2050,
nearly 70 % of humanity
will live in urban areas

Three main guiding principles:

- (a) Leave no one behind ...
- (b) Ensure sustainable and inclusive urban economies ...
- (c) Ensure environmental sustainability ...



And how does this link with ...

... research and development
in the EU and in China ?



And how does this link with ...

Research and Innovation Action



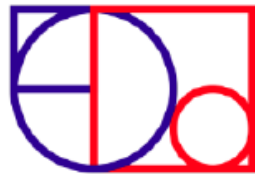
2018-2020
IOER/CAUPD

... research and development
in the EU and in China



And how does this link with ...

Cooperation and Support Action



**URBAN
EU-CHINA**

Innovation Platform on
Sustainable Urbanisation

2017-2019
NTNU/CAUPD



Research and Innovation Action



2018-2020
IOER/CAUPD

... research and development
in the EU and in China



And how does this link with ...

Cooperation and Support Action



Innovation Platform on Sustainable Urbanisation

2017-2019

NTNU/CAUPD

www.urban-eu-china.eu



Research and Innovation Action



2018-2020

IOER/CAUPD

www.transurbaneuchina.eu

... research and development
in the EU and in China



And how does this link with ...

**Cooperation and
Support Action**



2017-2019
NTNU/CAUPD

**Research and
Innovation Action**



2018-2020
IOER/CAUPD

**... city-to-city cooperation
and the quadruple helix**



And how does this link with ...

**Cooperation and
Support Action**



2017-2019
NTNU/CAUPD

Matching Cities

**Research and
Innovation Action**



2018-2020
IOER/CAUPD

Living Labs in Cities

... city-to-city cooperation
and the quadruple helix



What do I want to talk about?

■ Linkages



What do I want to talk about?

- Linkages
- **Projects**
- **Quadruple helix**
- **Conclusions**



What do I want to talk about?

- Linkages
- **Projects**
- Quadruple helix
- Conclusions





**URBAN
EU-CHINA**

Innovation Platform on
Sustainable Urbanisation

Innovation Platform

To make EU-China sustainable urbanisation cooperation more accessible, attractive, and rewarding for a broader set of stakeholders.

1. Promote and develop **Joint Policy Strategies** for EU-China cooperation on sustainable urbanisation
2. Create a **Nursery of Joint Projects**, from a broad range of low-threshold to a few high-performance projects
3. Promote **Brokerage of City-Industry-Science Partnerships** using virtual and face to face meeting places





URBAN EU-CHINA

Innovation Platform on
Sustainable Urbanisation

**Not possible without intensive
science-practice cooperation!**





**URBAN
EU-CHINA**

Innovation Platform on
Sustainable Urbanisation

**Not possible without intensive
science-practice cooperation!**

**12 European and Chinese consortium partners
plus city-to-city cooperation (matching cities)**





Key challenge

How to best design and turn cities into **intelligent, socially integrative and sustainable** environments?

Good practices and methods in terms of social inclusiveness, cultural dynamics, and economic viability

Transfer and mutual learning

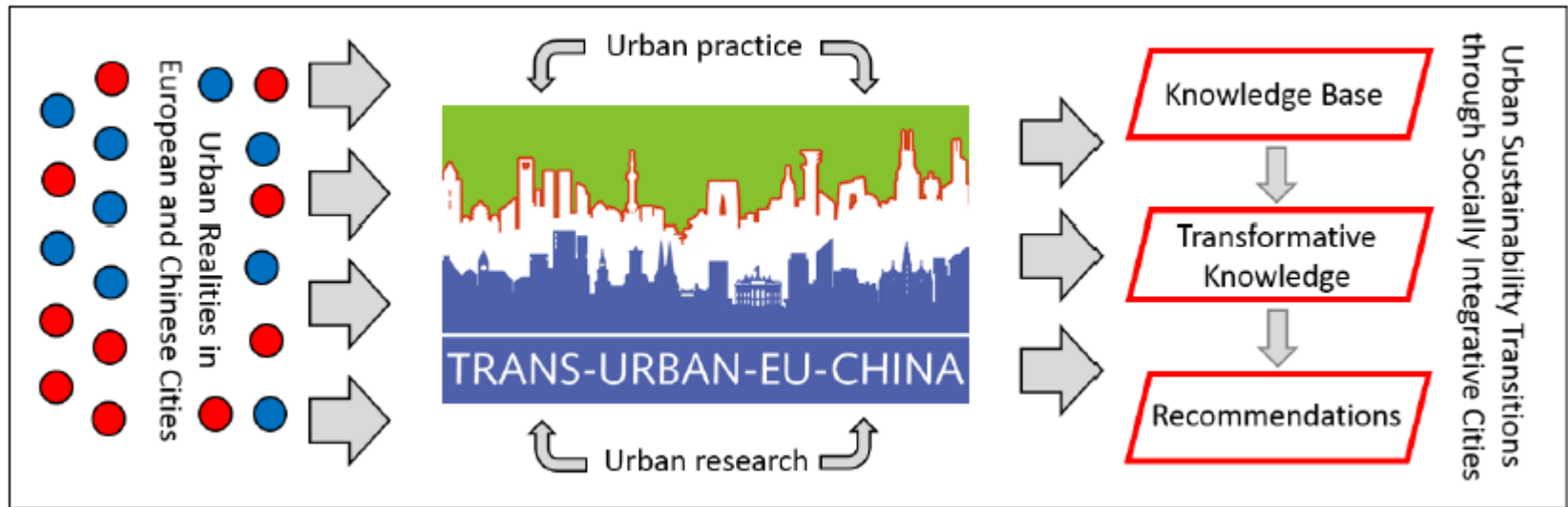
Reciprocity



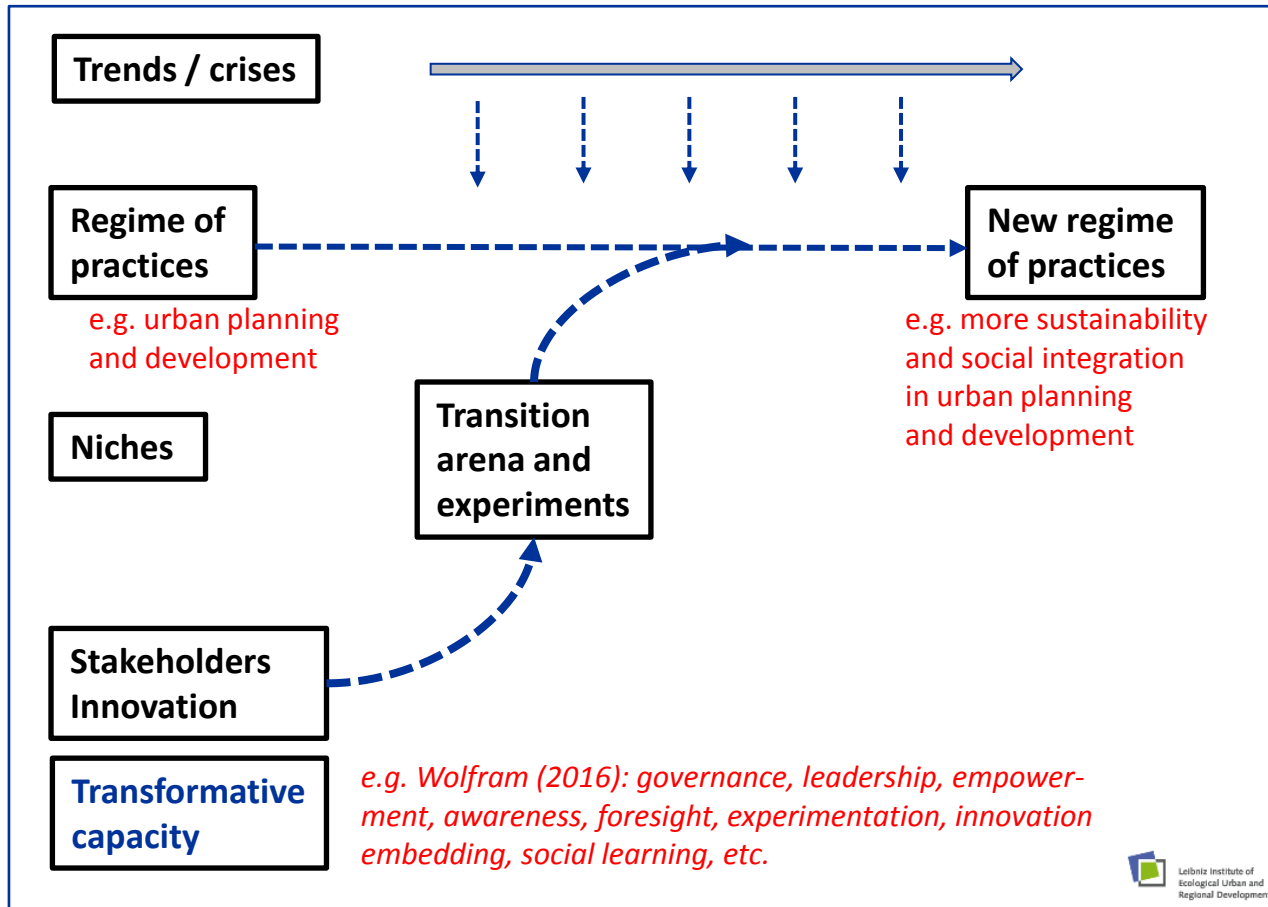
Objectives

- Elaborate a **systematic knowledge base** on transition experiences in Europe and China in a comparative way
- Advance **tools and measures** to support transition in cooperation with local stakeholders and citizens, and test them in two **Living Labs** located in Chinese cities
- Elaborate **recommendations** to support transition towards socially integrative cities, discuss them with **representatives of 60 cities and a wider stakeholder community**, and disseminate them through a variety of channels

Project concept



Transition approach





Project components

- **Community building** and **place making** in neighbourhoods
- Bridging the **planning-implementation gap** in eco- and smart cities
- **Land use** and **land management** – expansion areas and urban renewal
- Integrated **transition pathways** towards sustainable urban planning and governance
- **Living Labs**, exploitation and dissemination (plus **reference cities**)





Project components

- **Community building** and **place making** in neighbourhoods
- Bridging the **planning-implementation gap** in eco- and smart cities
- **Land use** and **land management** – expansion areas and urban renewal
- Integrated **transition pathways** towards sustainable urban planning and governance
- **Living Labs**, exploitation and dissemination (plus **reference cities**)

-> **Stakeholder cooperation is vital!**

-> **14 Partners + 2 Living Labs + Reference Cities**



Living Labs

- Will bring together a **wide range of stakeholders** (researchers, urban authorities, developers, planners, citizens and others)
- Will serve as **testing grounds** (theories, definitions, working processes, business models, services and products) as well as **arenas for generating ideas** and for **knowledge sharing** and **learning**
- Will include of a **variety of formats** (common workshops and seminars, and include feedback loops)
- Will include **qualitative and quantitative methods** (focus group interviews, participatory design methods, scenario modelling, and storyboards), as well as **methods and tools** that support **creative processes** (future workshops, brainstorming, and experience prototyping)

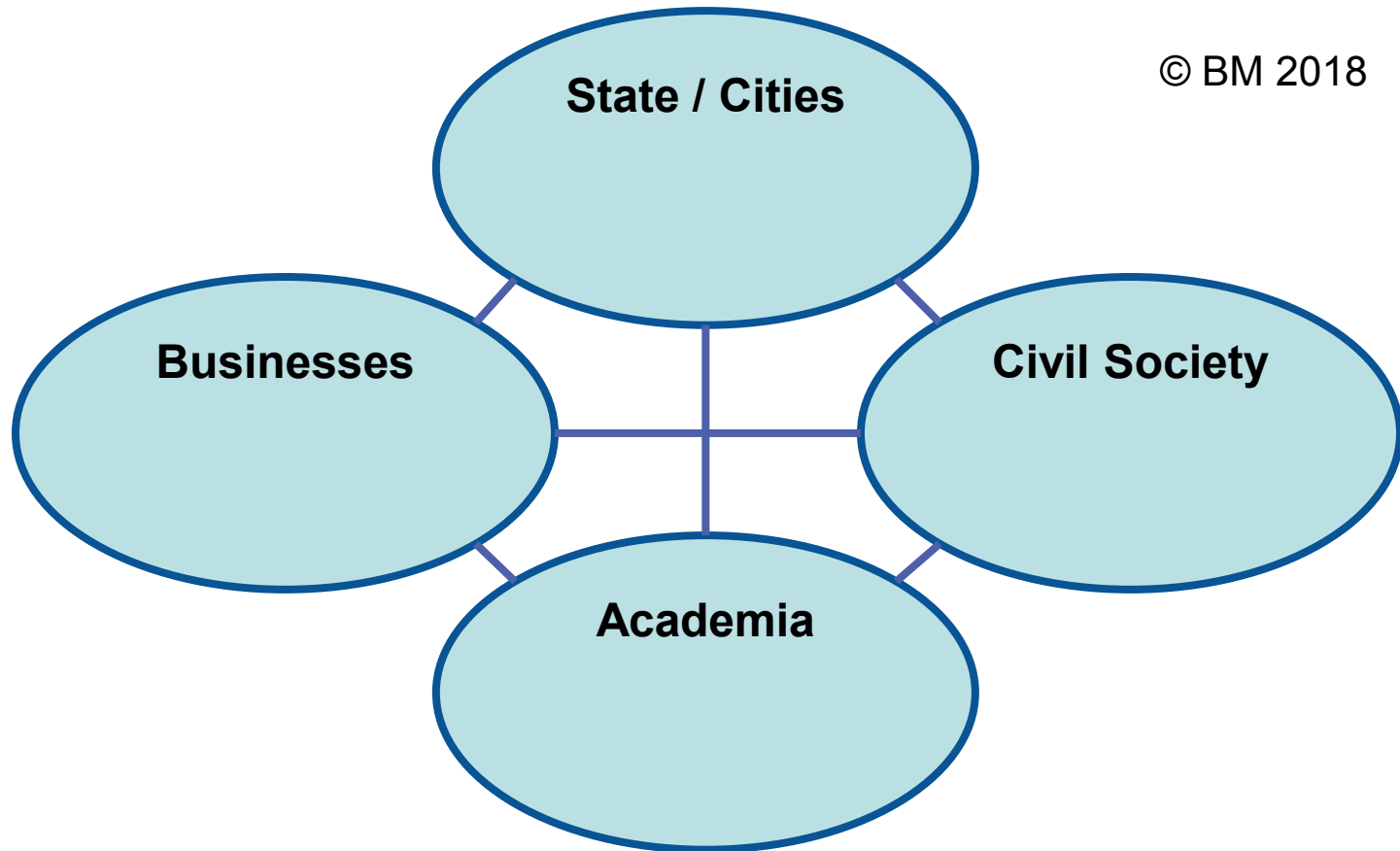
What do I want to talk about?

- Linkages
- Projects
- **Quadruple helix**
- Conclusions



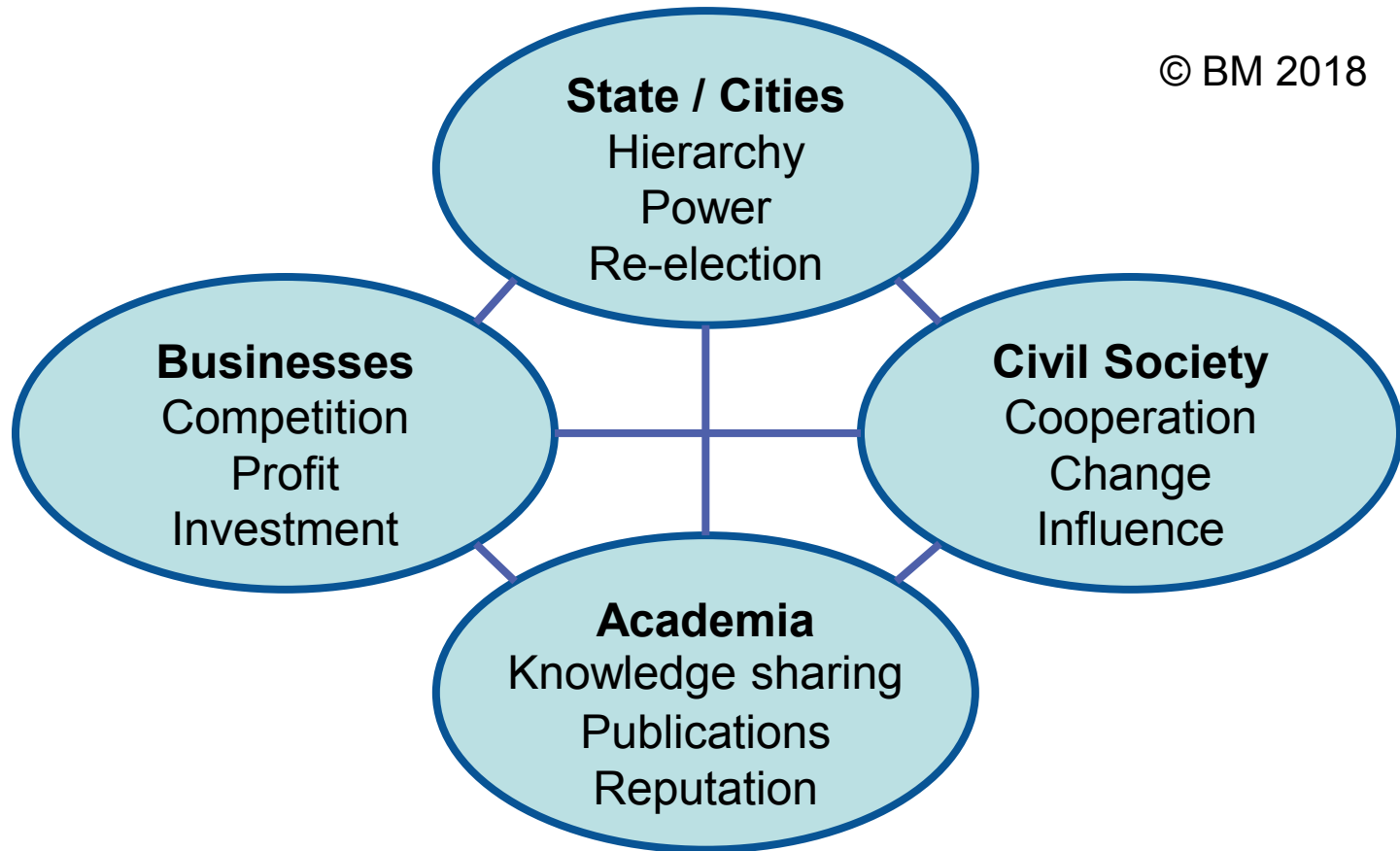
Quadruple helix and its peculiarities

© BM 2018



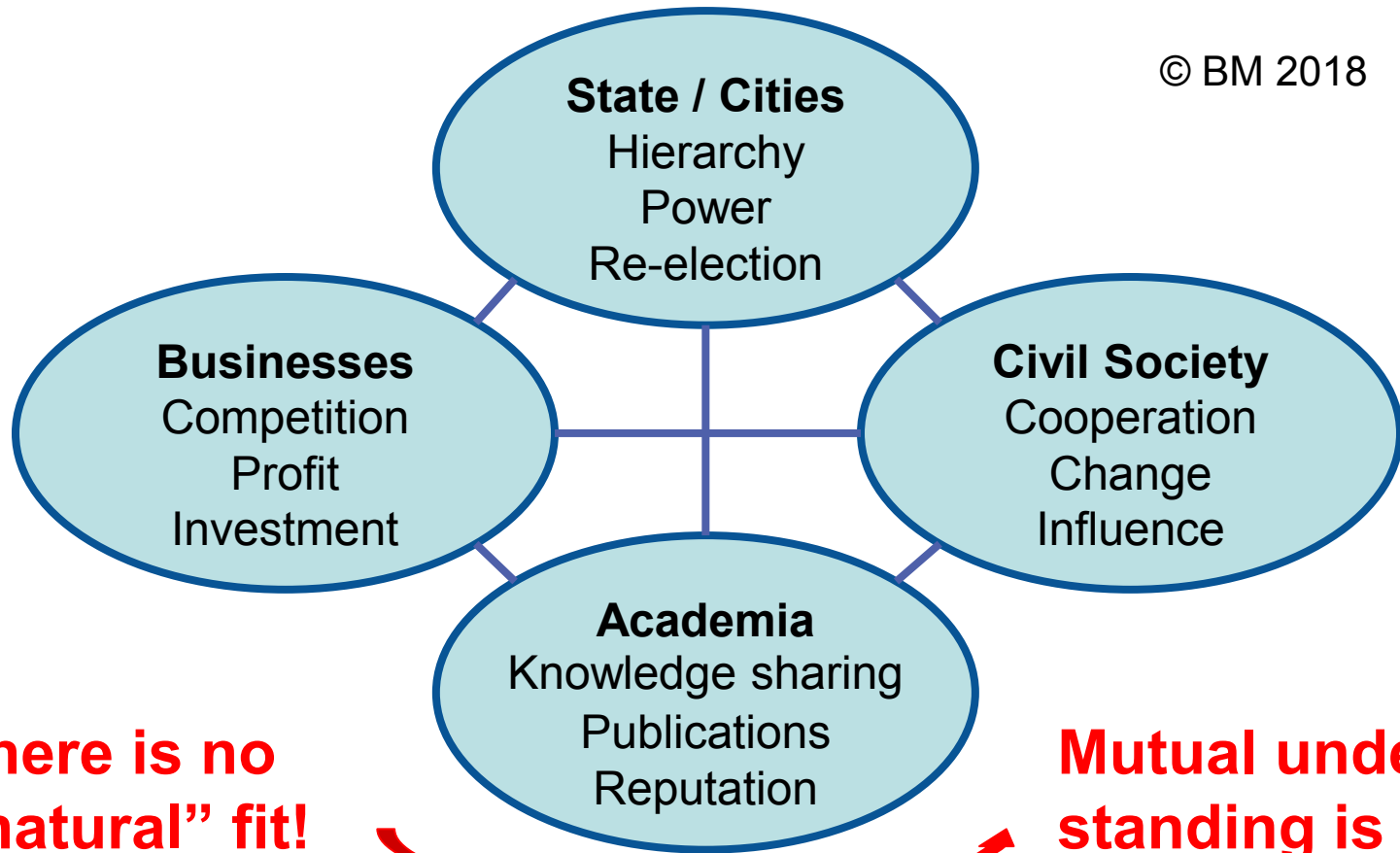
Quadruple helix and its peculiarities

© BM 2018



Quadruple helix and its peculiarities

© BM 2018



Quadruple helix Strengths

- **Testing of new ideas** instead of committing errors from the beginning
- Involvement of a **wide range of stakeholders**
- Integration of **different perspectives**
- Researchers have to **leave the “ivory tower”**
- Practitioners have to **listen** and **“think twice”**
- **Bridging the gap** between ideas and practice
- ...

Quadruple helix Challenges

- Develop **mutual understanding**, understand the different ways of thinking and languages ... and allow time for it
- Understand the **interests** of others, and the institutional arrangements and **incentive mechanisms** and reward schemes under which they operate
- Establish an **environment of trust**, openness, and shared ownership
- Find **common modes** of operation
- Agree on **common rules**, including the definition of general principles for dealing with privacy, intellectual property rights, etc.
- Define **concrete and agreed-upon goals** and refer to them throughout the process, continuously re-examine them and eventually change them if new knowledge is gained

What do I want to talk about?

- Linkages
- Projects
- Quadruple helix
- **Conclusions**



Conclusions

Three guiding questions and answers from
URBAN-EU-CHINA and TRANS-URBAN-EU-CHINA:



Conclusions

Three guiding questions and answers from
URBAN-EU-CHINA and TRANS-URBAN-EU-CHINA:

- How can global partnerships contribute to a common vision on sustainable urban development?
-> **Make the quadruple helix work!**

Conclusions

Three guiding questions and answers from
URBAN-EU-CHINA and TRANS-URBAN-EU-CHINA:

- How can global partnerships contribute to a common vision on sustainable urban development?
-> **Make the quadruple helix work!**
- How can global quadruple helix partnerships foster capacity building and knowledge creation for implementing the NUA?
-> **Foster mutual understanding and interest!**

Conclusions

Three guiding questions and answers from
URBAN-EU-CHINA and TRANS-URBAN-EU-CHINA:

- How can global partnerships contribute to a common vision on sustainable urban development?
-> **Make the quadruple helix work!**
- How can global quadruple helix partnerships foster capacity building and knowledge creation for implementing the NUA?
-> **Foster mutual understanding and interest!**
- What framework conditions are required to allow global partnerships among cities to be successful?
-> **Encouragement and successful examples!**

Transition towards urban sustainability through socially integrative cities

Research and development in the EU and in China as a contribution to the implementation of the New Urban Agenda

Thank you very much!

Bernhard Müller
b.mueller@ioer.de

WUF 9
Kuala Lumpur
February 11, 2018

