“Transformation towards a sustainable urban mobility system in Dresden and Sankt-Petersburg”

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IOER Overview

- Founded in 1992
- Non-university spatial development research institute, interdisciplinary approach
- Member of the Leibniz Association
- 125 employees and 10 scholarship holders (as of 2018)
- Joint professorships with the Technical University of Dresden
- Cooperation with partners in Europe, Asia and America
Research and Advice for Sustainable Development of Cities and Regions

We investigate cause-and-effect relationships between the natural environment and society and the options available to society for influencing them, in order to ensure environmentally-friendly spatial development.

Particular attention is paid to the challenges for urban and regional development, for example those posed by climate change and demographic change.
Research Topics

Landscape Change and Management

Resource Efficiency of Settlement Structures

Environmental Risks in Urban and Regional Development

Monitoring of Settlement and Open Space Development

Economic Aspects of Ecological Urban and Regional Development

Sustainability Transitions in Cities and Regions

Ecological and Revitalizing Urban Transformation
Project background

Dresden and St.-Petersburg – city-partners since 1961

BMBF initiative and funding scheme „Zukunftsstadt“ – Dresden is one of 8 German cities in the final third phase

Future mobility – important topic in the context of climate change

Mobility – one of the pillars in the Dresden’s vision of the future

Project funded by the German Federal Ministry for Education and Research, for a period of 2 years
Project approach

- "Frontrunner und Follower" approach:

- Dresden as a German "Zukunftsstadt" (future city) and "Frontrunner" will test an extensive transition management approach in the field of sustainable urban transport.

- The experiences gained will be discussed and reflected based on a transnational exchange with actors from St. Petersburg ("Follower"), which encompasses a wide range of topics in urban transport.
Phases of transition management

- **Phase I**: Setting the scene
- **Phase II**: Exploring dynamics
- **Phase III**: Framing the transition
- **Phase IV**: Envisioning a sustainable city
- **Phase V**: Reconnecting long term & short term
- **Phase VI**: Going into action
- **Phase VII**: Engaging & anchoring
Project status so far

- Transition team formed in the city administration of Dresden
  - Project is coordinated by a project manager within the city administration
  - Active participation from different departments
  - Support from the Lord-Mayor of Dresden
- System and actor analysis finished
- List of actors for the transition arena agreed upon
- Next steps: carrying out transition arena meetings, where the future vision for urban mobility in Dresden and alternative scenarios are to be developed.
- Mutual visits by delegations of Dresden and St.-Petersburg
Actor analysis (1)

- Criteria for selection of group members:
  - Diversity as a key to success
  - „Hard“ criteria:
    - Age, gender
    - Various sectors (business, administration, science, civil society)
    - Various knowledge domains related to urban mobility
  - „Soft criteria“
    - Important competences (leadership, analytics, cooperation)
    - “Pioneers of change” (openness, creativity, system thinking)
Actor analysis (2)

- Methods for actor identification:
  - Desktop research (media appearance, websites of relevant organizations)
  - Snowball sampling via interviews or emails
  - Telephone interviews with strongly connected persons ("nodes")

- Result → long list (178 persons)
  - → short list through the application of selection criteria (45 persons)
  - Invitation of 25 persons for the transition arena (balance between different sectors)
Thank you for your attention!
Was ist eine Transformationsarena?

- Ein Ort für informellen, aber gut strukturierten Austausch und *soziale Lernprozesse*
- Ein Ort für die Gegenüberstellung und Besprechung unterschiedlicher *Perspektiven*, Erwartungen und Agenden
- Ein Ort für *Lösungen* und *Synergien* (ko-kreative Erarbeitung von Zukunftsvision und Transformationsagenda)
Wie läuft der Prozess ab?

- Arena 1-2: Probleme eingrenzen u. Herausforderung definieren
- Arena 3: visionäre Zukunftsbilder entwickeln (Mobilität 2050)
- Arena 4-5: Transformationspfade und –experimente erarbeiten
- Arena 7: Transformationsagenda beschreiben