
Towards the Sustainable City – from Vision to Reality



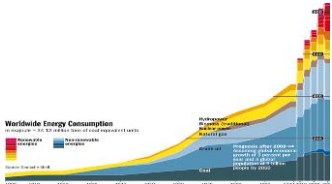
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7th BMBF-Forum für Nachhaltigkeit
Berlin, November 3rd, 2010

Challenges for cities globally – megatrends



Energy demand



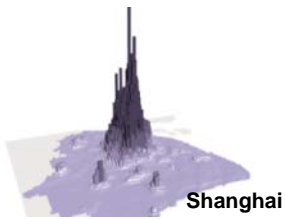
Drinking water



Demographic development

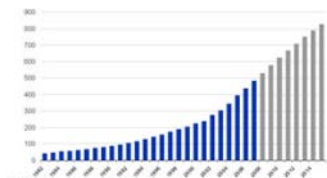


Structural economic changes



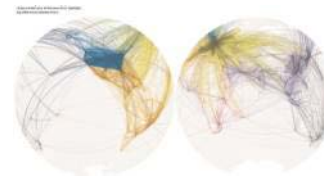
Shanghai

High population density



Quelle: Dipl.-Ing. Michael Niefend, Eifelth, Clarkson Research Studies, London „Container Intelligence Monthly 07/2005“

Worldwide trade



Digital networking



Living standards in developing countries



Global migration



Living standards in Europe



E-mobility until 2020

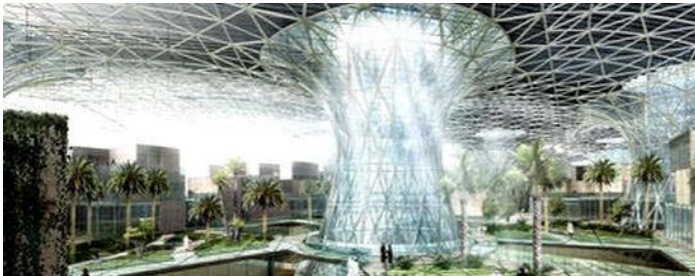


Cities as decision makers

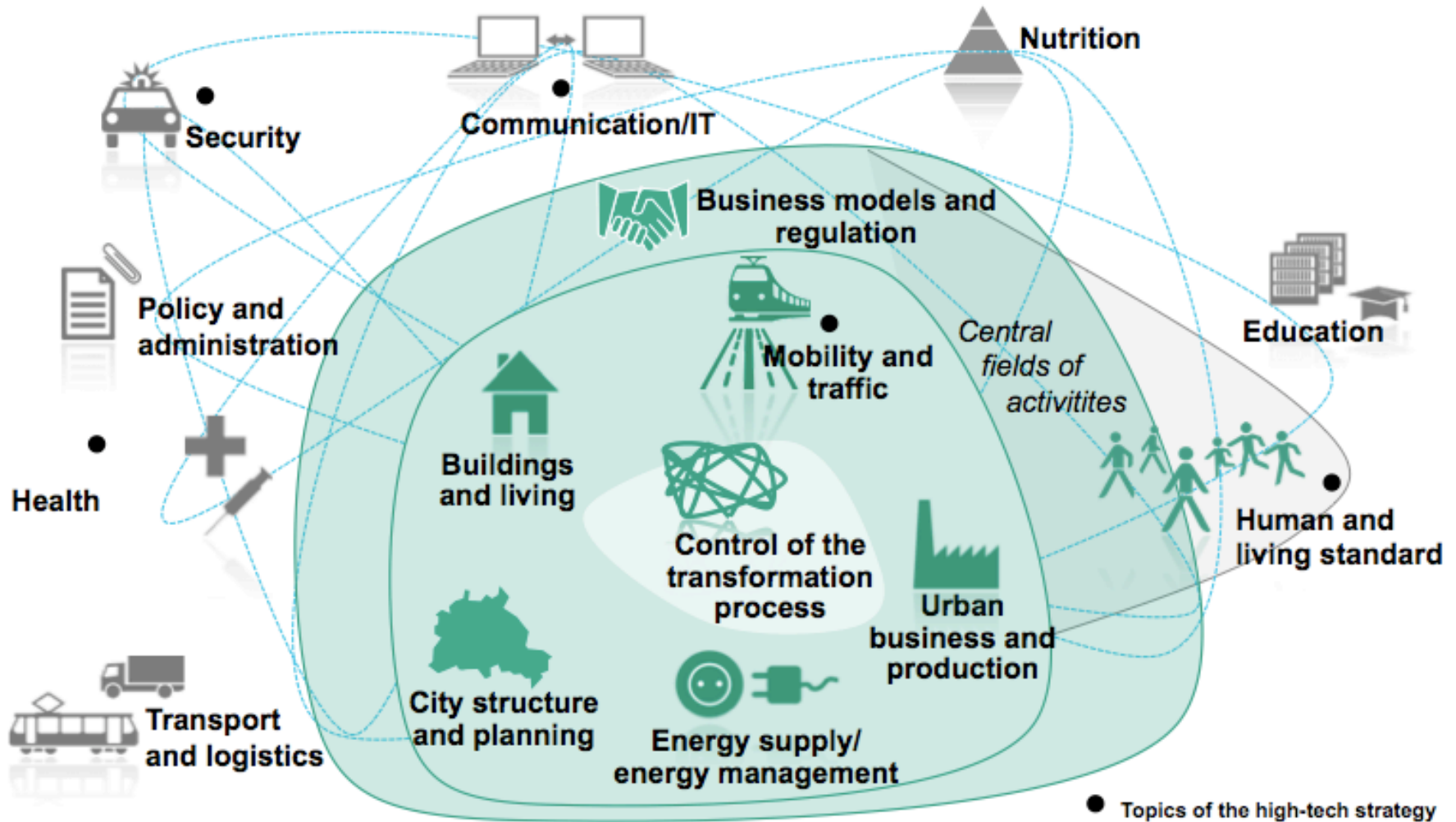
Concept for »Sustainable Cities« is under development as part of the »High-tech strategy 2020 for Germany«

Goal: **Development of pilot regions**

- Deployment of new technologies and services
 - **Reduction of CO₂-emissions**
 - **Increase of energy efficiency**
 - **Use of renewable energy**
- Development of concepts of
„CO₂-neutral and sustainable cities which are adapted to climate change“

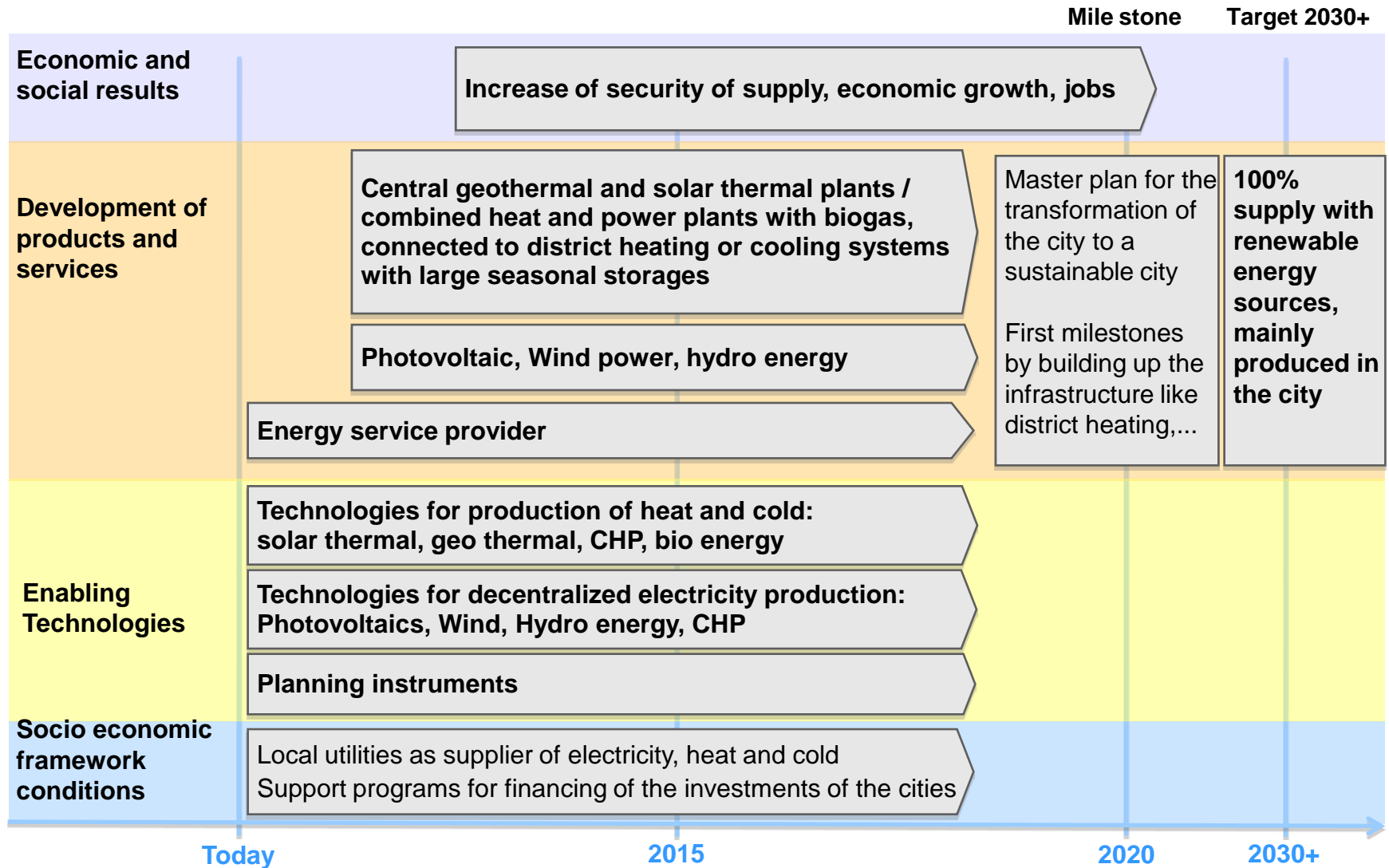


Fields of activities



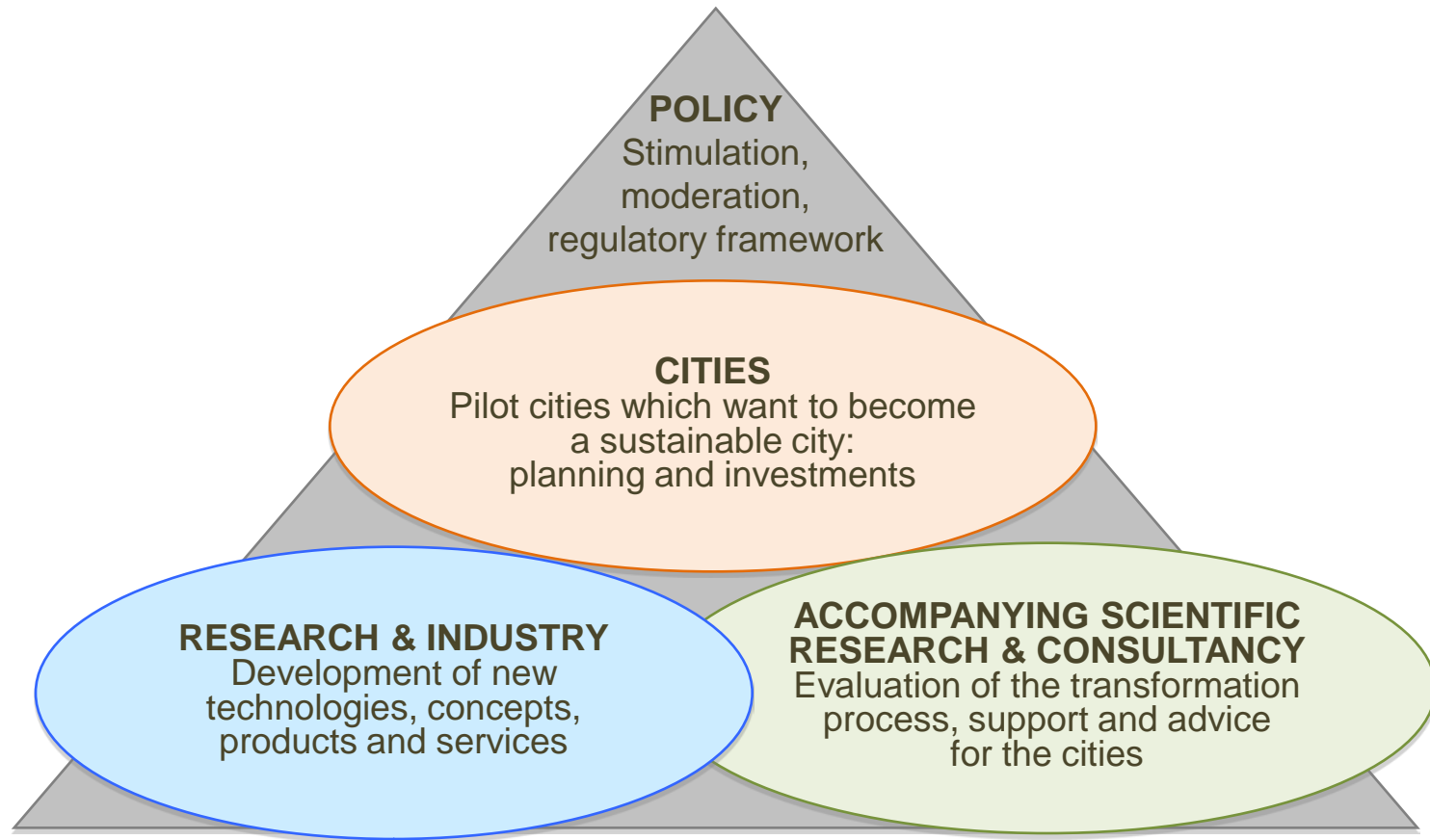
Technology Development

Example: Roadmap »Local energy supply«

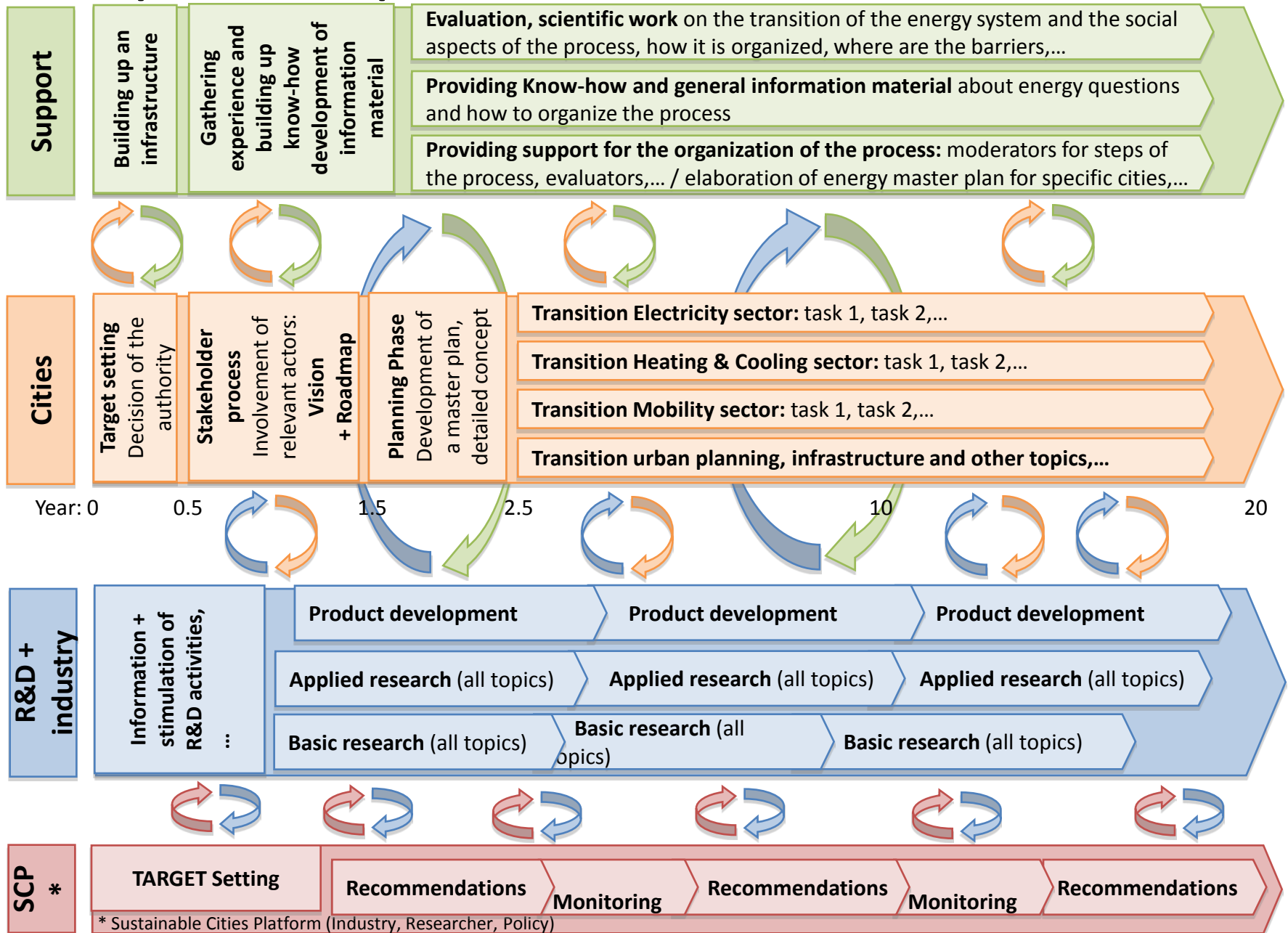


Activity triangle

Joint efforts are necessary



Concept for the implementation of sustainable cities



Recommendations to build up sustainable cities

of “Forschungsunion”, advisory council of industry and research to the German government

Scientific work on sustainable cities and support structures

- Building up an interdisciplinary Joint Research Centre „Sustainable Cities“
- Foundation of „Sustainable Cities“-Competence Centres

R&D

- Development of modelling and planning tools
- Development of smart communication technologies

Realization

- Support of 30 “Sustainable Cities” as light houses – focus: planning
- Support schemes for measures to realize “Sustainable Cities” - focus: realization

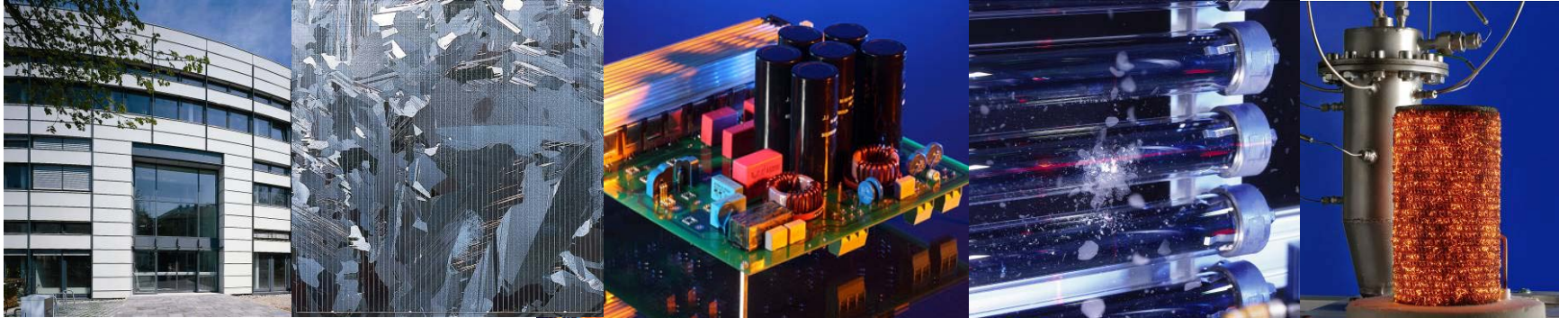
Socio economic framework conditions

- Stimulation of new businesses and private investments by tax, incentives,...
- Reduction of administrative barriers
- Motivation, education and training of the public and the experts

Steering the realization of sustainable cities

- Building up an steering platform with representatives from all stakeholders which are steering and monitoring

Thank you very much for your attention



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