





Welcome!

Dr. Oliver Parodi, Dipl.-Geoökol. Marius Albiez

Institute for Technology Assessment and Systems Analysis (ITAS)









Experimental Space for Sustainable Urban Life

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Experimental Space for Sustainable Urban Life

What are we going to talk about?





Experimental Space for Sustainable Urban Life

1. Overall goals and structure





Experimental Space for Sustainable Urban Life

2. Urban perspective and sustainable urban life





Experimental Space for Sustainable Urban Life

3. How do we put sustainable development to practice?









Experimental Space for Sustainable Urban Life

1. Overall goals and structure





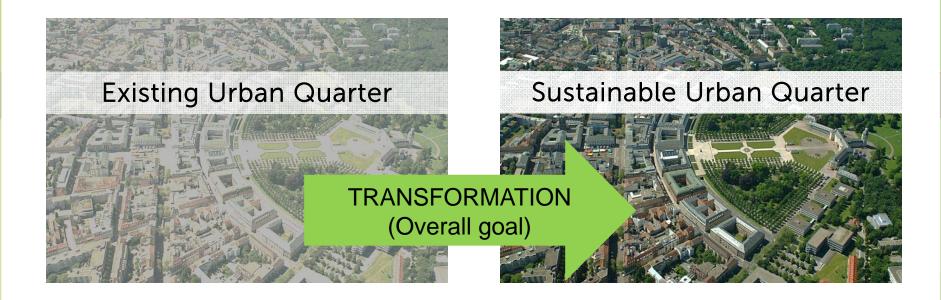
Experimental Space for Sustainable Urban Life

What is District Future – Urban Lab and what are the goals?





Transdisciplinary urban research and development project



Main Goals





We want to...



Main Goals





We want to...

- ... develop sustainable urban space & urban life
- ... connect science with public and private stakeholders
 scientific public private partnerships -

Main Goals





We want to...

- ... develop sustainable urban space & urban life
- ... connect science with public and private stakeholders
 scientific public private partnerships -
- ... try out new research methods



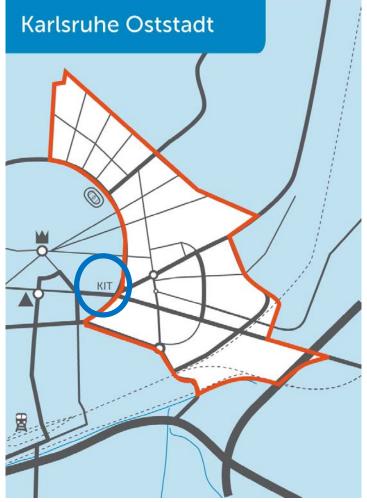


Experimental Space for Sustainable Urban Life

Where is District Future - Urban Lab?







- around 22.000 people
- Urbanity
- Heterogeneity
- Potential for participation
- Distance to city centre

Near KIT





Experimental Space for Sustainable Urban Life

What are the important elements?

Important Elements





room for experiments

work in existing environment

participation – hands on!

size and density

transdisciplinarity

model character

education

local and global perspective

knowledge factory for the region

science, citizens, politics & business

platform for sustainable projects

synergies & trade-offs

QUARTIER ZUKUNFT

LABOR STADI

Important Elements





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Experimental Space for Sustainable Urban Life

2. Urban perspective and sustainable urban life





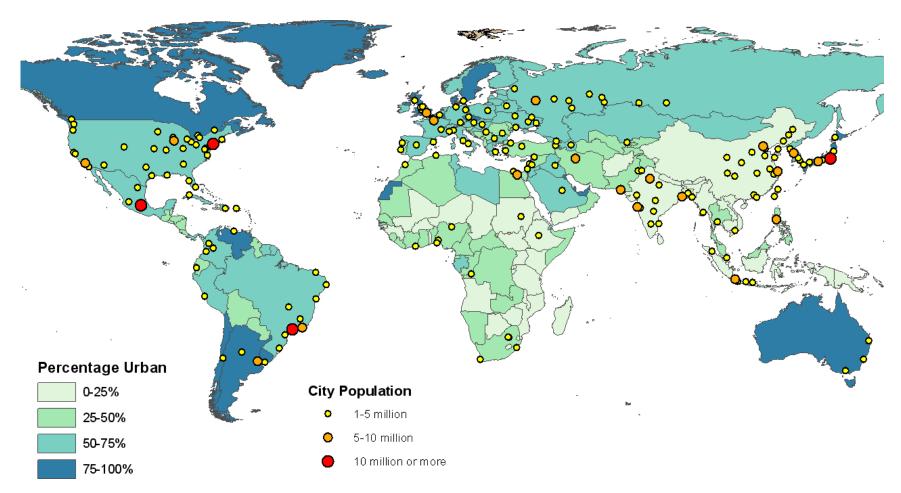
Experimental Space for Sustainable Urban Life

Why urban perspective?





Percentage of urban population and agglomerations by size class, 1980

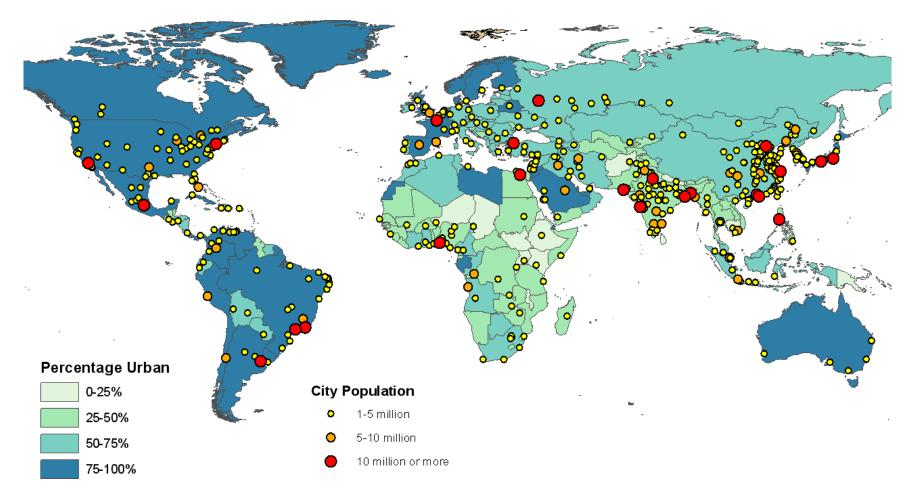


Source: UN (2012): World Urbanization Prospects, the 2011 Revision. http://esa.un.org/unpd/wup/Maps/maps_urban_1980.htm, 30.04.2014





Percentage of urban population and agglomerations by size class, 2011

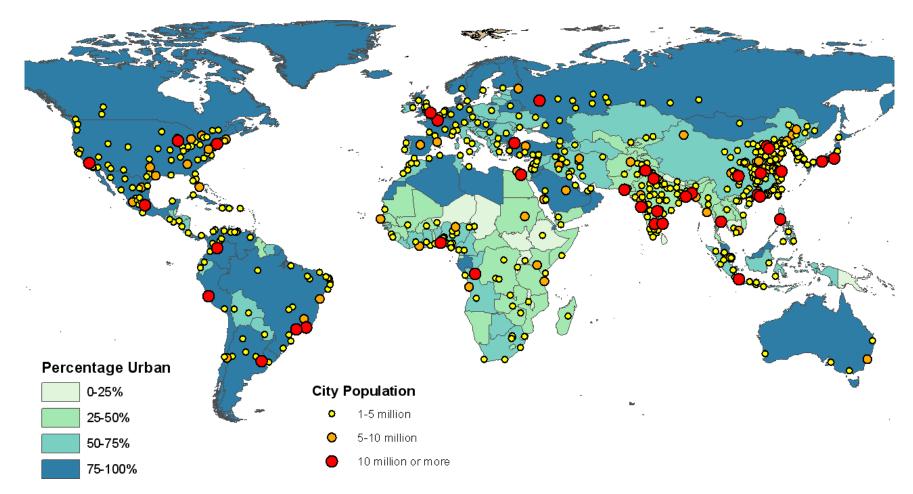


Source: UN (2012): World Urbanization Prospects, the 2011 Revision. http://esa.un.org/unpd/wup/Maps/maps_urban_2011.htm, 30.04.2014





Percentage of urban population and agglomerations by size class, 2025



Source: UN (2012): World Urbanization Prospects, the 2011 Revision. http://esa.un.org/unpd/wup/Maps/maps_urban_2025.htm, 30.04.2014







In Northern and Western Europe: Reurbanisation

(see Frey & Koch 2011)

Source: UN (2012): World Urbanization Prospects, the 2011 Revision. http://esa.un.org/unpd/wup/Maps/maps_urban_2025.htm, 30.04.2014



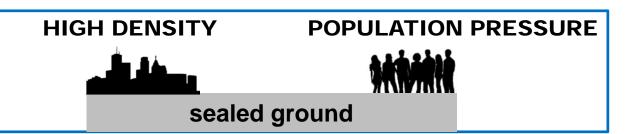


Experimental Space for Sustainable Urban Life

Why do we need Sustainable Urban Development?



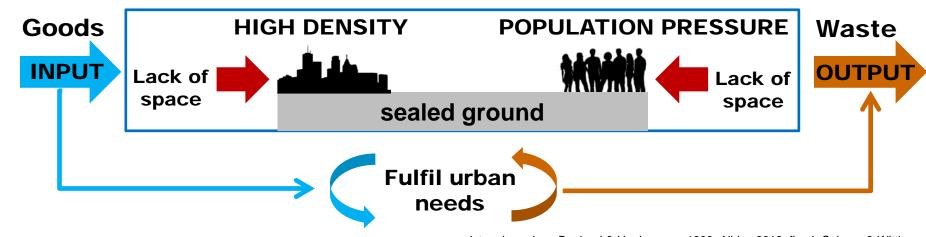




urban needs

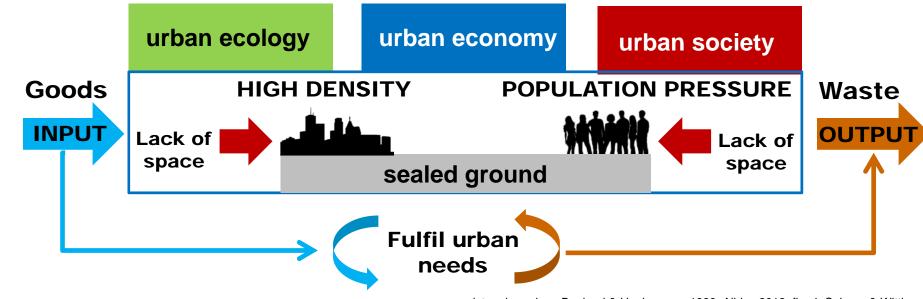


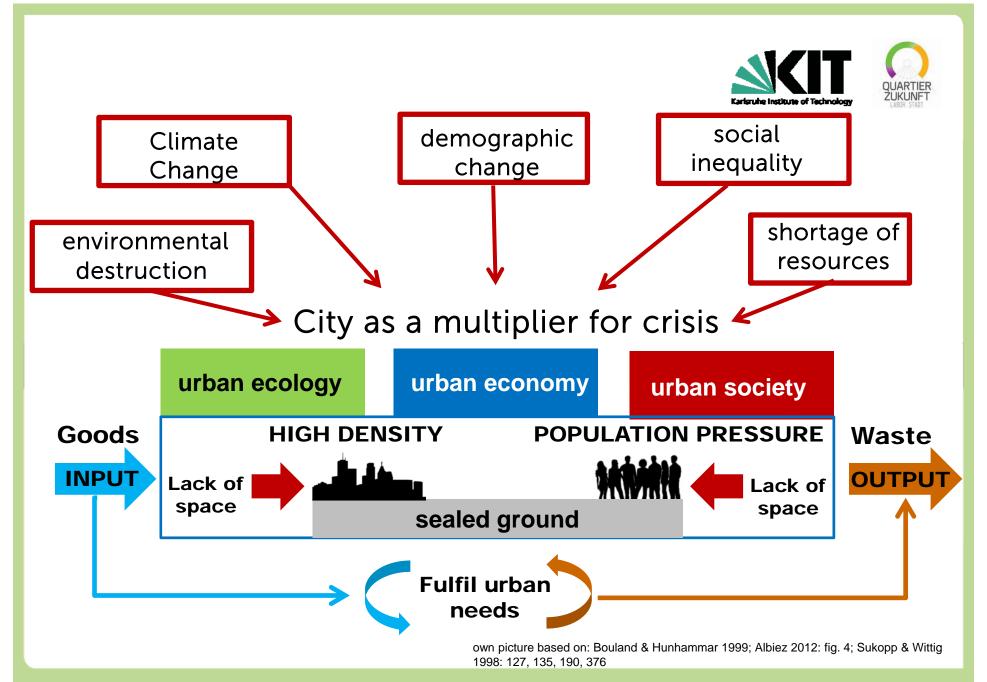










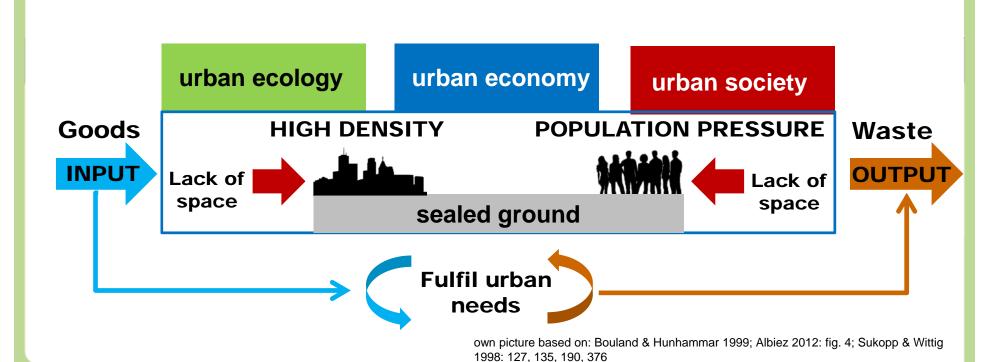








Cities offer spaces for new, progressive ideas, social and technological innovations and lifestyles.



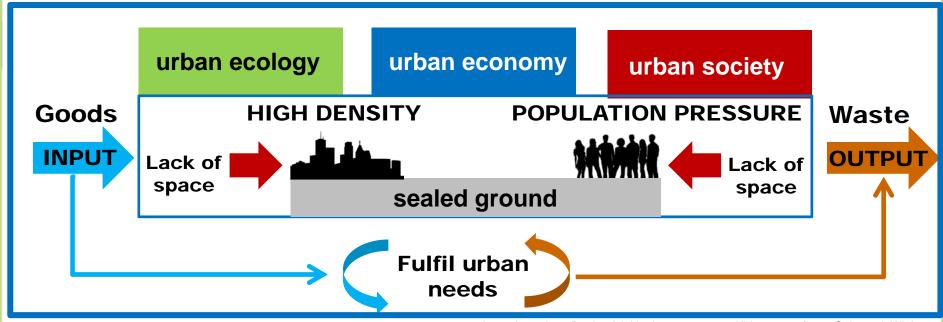
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If you want to bring all these aspects together you have to consider them under the aspect of sustainable urban development.

Experimental space





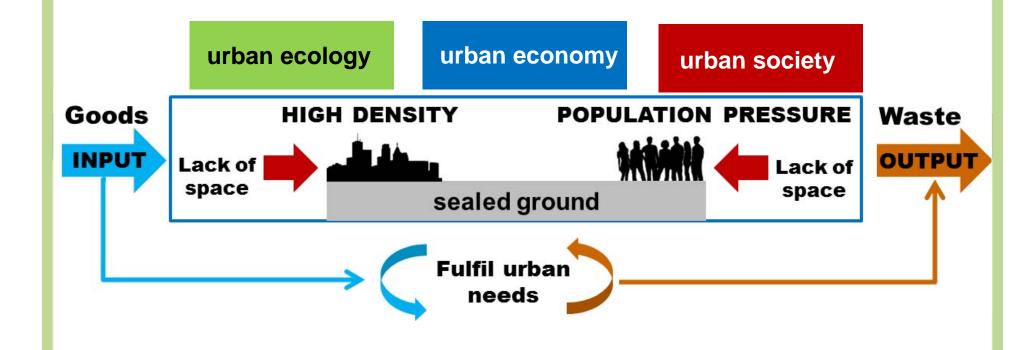


Experimental Space for Sustainable Urban Life

How do we understand urban sustainable development?











Three pillars of sustainability

urban ecology

urban economy

urban society





Intergenerational & Intragenerational Justice

Global perspective

Anthropocentric

urban ecology

urban economy

urban society

Integrative Concept of

Sustainable Development

Goals:

Securing Human Existence Maintaining Society's Productive Potential

Preserving
Societal Options for
Development and Action

5 Rules

5 Rules

5 Rules

see Kopfmüller et al. 2001





The 3 x 5 Substantial rules of the *Integrative Concept of Sustainable Development*

Goals	1. Securing human existence	2. Maintaining society's productive potential	3. Preserving society's options for development and action
Rules	(1) Protection of human health	(1) Sustainable use of renewable resources	(1) Equal access of all people to information, education and occupation
	(2) Ensuring the satisfaction of basic needs (nutrition, housing, medical care, etc.)	(2) Sustainable use of non- renewable resources	(2) Participation in societal decision-making processes
	(3) Autonomous subsistence based on income from own work	(3) Sustainable use of the environment as a sink for waste and emissions	(3) Conservation of cultural heritage and cultural diversity
	(4) Just distribution of chances for using natural resources	(4) Avoiding technical risks with potentially catastrophic impacts	(4) Conservation of the cultural function of nature
	(5) Reduction of externe income or wealth inequalities	(5) Sustainable development of manmade, human and knowledge capital	(5) Conservation of ,social resources' (e.g. tolerance, solidarity or adequate conflict solution menchanisms)

see Kopfmüller et al. 2001





District Future - Urban Lab:

Experimental Space for Sustainable Urban Life

3. How do we put sustainable development to practice?









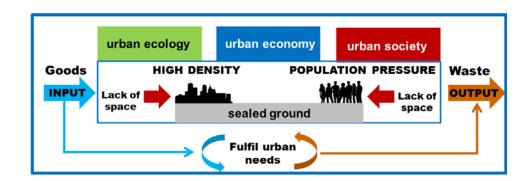


district´s stakeholders

concept

cooperation

communication







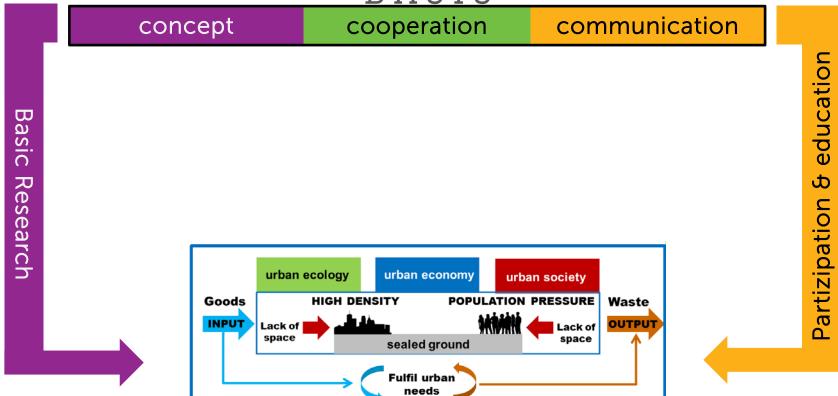








district's stakeholders

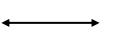






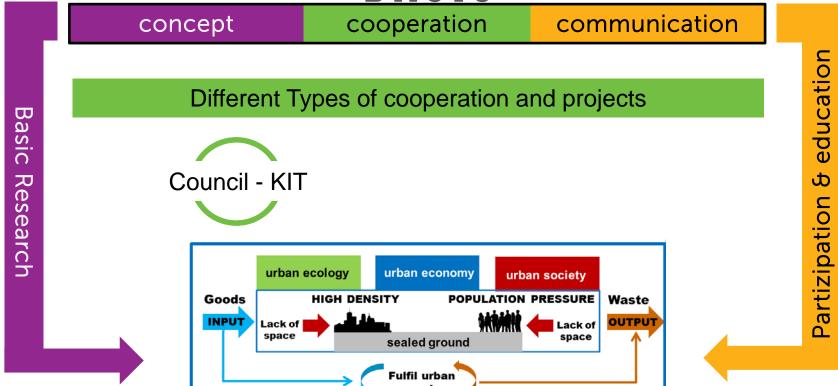








district´s stakeholders

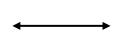






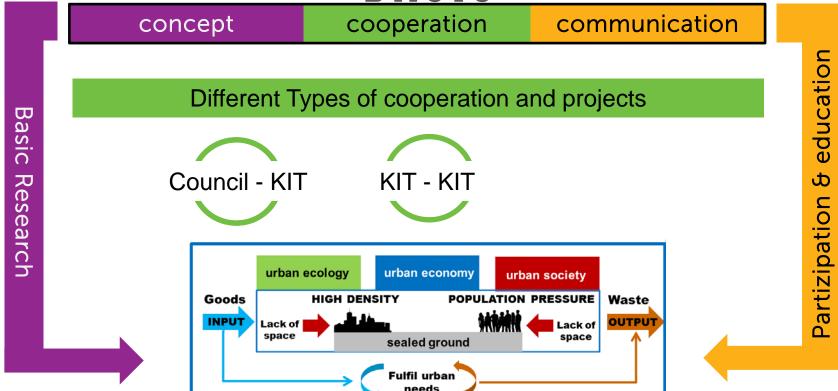








district´s stakeholders

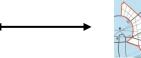






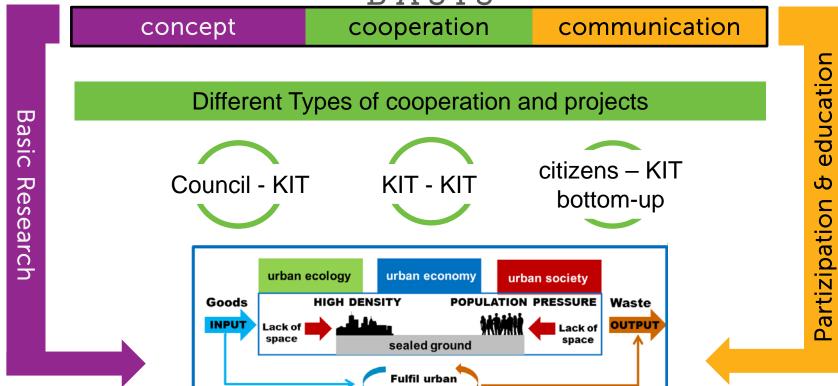








district's stakeholders















district´s Stakeholders

concept

cooperation

communication

Different Types of cooperation and projects

District Future-Urban Lab is an active driving force and passive scientific observer of urban sustainability.



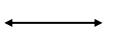






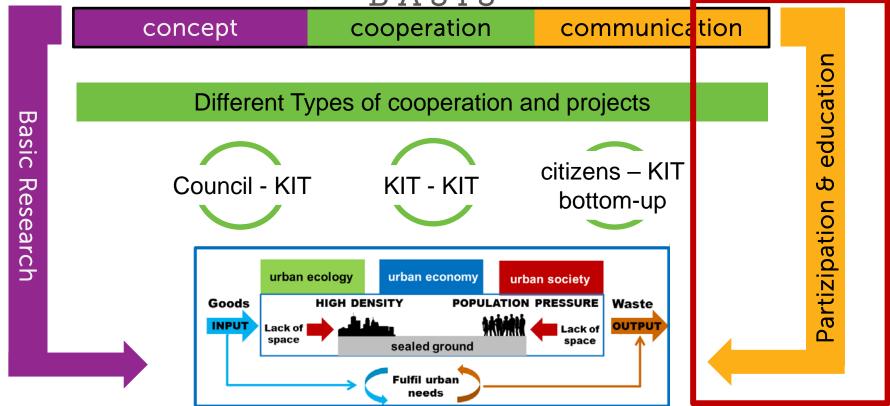








district's stakeholders







Citizen's meeting - 09.02.2014







Sustainability

Goals	Securing human existence	Maintaining society's productive potential	Preserving society's options for development and action
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- 1. Die menschliche Existenz sichern
- 1.1 Menschliche Gesundheit schützen
- 1.2 Grundversorgung sicherstellen
- 1.3 Selbständige Existenzsicherung
- 1.4 Gleiche Möglichkeiten der Nutzung
- der Umwelt für alle Menschen 1.5 Übersteigerte Einkommens- und
- Vermögensunterschiede ausgleichen
- 2. Die Fähigkeit der Gesellschaft erhalten, Produkte herzustellen oder Dienstleistungen bereitzustellen
- 2.1 Erneuerbare Rohstoffe und Energiequellen nachhaltig nutzen
- 2.2 Nicht erneuerbare Rohstoffe und
- Energiequellen nachhaltig nutzen
- Umwelt nutzen, ohne ihrer Aufnahmefähigkeit für schädliche Stoffe und Abwärme zu schaden
- 2.4 Unvertretbare technische Risiken vermeiden
- 2.5 Sachwerte sowie Fähigkeiten und Wissen nachhaltig entwickeln
- 3. Die Entwicklungs- und Handlungsmöglichkeiten bewahren
- 3.1 Chancengleichheit bei Bildung, Beruf, Ämtern und Information ermöglichen
- 3.2 An gesellschaftlichen Entscheidungsvorgänger mitwirken können
- 3.3 Kulturelles Erbe und kulturelle Vielfalt erhalten
- 3.4 Natur und Landschaft als Kulturgüter erhalten
- 3.5 Sozialen Zusammenhalt in der Gesellschaft bewahren





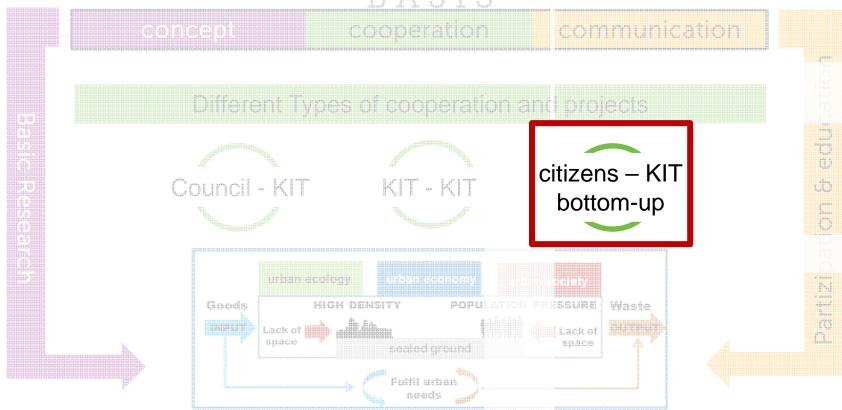
















Repair Café II – 26.04.2014



- Education for sustainable development
- Participation
- sustainable development of manmade capital





Cities are experimental spaces for sustainable development





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- District Future Urban Lab is an active driving force and a passive scientific observer of urban sustainability in such an experimental space





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- The overall goal is to transform an existing district of Karlsruhe into a sustainable one





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- It is based on the Integrative Concept of Sustainable Development





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- The overall goal is to transform an existing district of Karlsruhe into a sustainable one
- It is based on the Integrative Concept of Sustainable Development
- It does basic research, tries out different forms of participation and sustainable education





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- District Future Urban Lab is an active driving force and a passive scientific observer of urban sustainability in such an experimental space
- The overall goal is to transform an existing district of Karlsruhe into a sustainable one
- It is based on the Integrative Concept of Sustainable Development
- It does basic research, tries out different forms of participation and sustainable education
- It supports and implements different types of cooperation and projects







"The future of humanity lies in cities."

Kofi Annan: Conference on Sustainable Urban Development in Russia, Moscow, 5 June 2002

http://www.report-

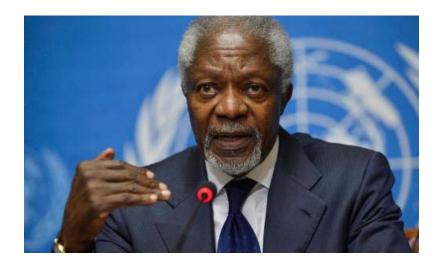
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http://www.un.org/News/Press/docs/2002/sgsm8261.doc.htm







"The future of humanity lies in cities."

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And we make our sustainable contribution here in Karlsruhe

http://www.report-

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Marius Albiez

Dipl.-Geoökol. marius.albiez@kit.edu

www.quartierzukunft.de







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