City Science Initiative, 2021

CITY SCIENCE FOR URBAN CHALLENGES

URBAN REGIONAL RESEARCH ECOLOGIES

(work in progress)

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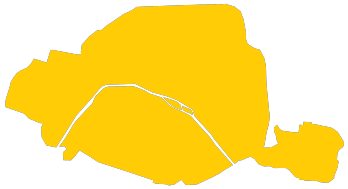
CITY SCIENCE FOR URBAN CHALLENGES

URBAN REGIONAL RESEARCH ECOLOGIES

CIRCULAR ECONOMY
Hamburg

SUSTAINABLE URBAN MOBILITY
Cluj-Napoca



AIR QUALITY
Paris

TECH AND THE CITY
Reggio Emilia

MENTAL HEALTH
Thessaloniki

URBAN REGIONAL RESEARCH ECOLOGIES

innovation & standardization

research & education

from all disciplines

Social Sciences
Humanities
Natural Sciences
Engineering
Design

Fundamental
Theoretical
Artistic
Applied
Practical

with different kinds of research

all kinds of knowledge

Spiritual
Logical
Social
Material
Economic
Ethical

Researchers
Professionals
Businesses
Students
Visitors
Citizens

for all human
&
more-than-humans

....
Energy Transition
Climate Adaptation
Equal Opportunities
Mental Health
Diversity
Circular economy
Digital Architectures
Housing
Civic Tech
Undermining
Mobility
Air Quality
Biodiversity
....

URBAN CHALLENGES

URBAN REGIONAL RESEARCH ECOLOGIES

Deciding what to do next

Mayor and Elderman

City Council

Harvesting societal experience

Political process

- Societal organizations
- Business
- Citizens
- Media

Running the City Region

Municipal Departments

- Execute policy
- Offer services
- Provide healthy environment
- Provide safe environment
- Provide thriving environment
- Gather data
- Monitor
- Innovate
- Evaluate

Innovating the city

Innovation group

- Works in projects and programs
- Makes innovation trajectories in departments
- Integrates different disciplines
- Executes experiments and pilots
- Develops new tools & methodologies
- Contributes to digitalization
- Organizes structural evaluation
- Has the ambition to standardize

The People

Making data available

Data organization

- Gathers data
- Makes statistics
- Publishes data
- Publishes data research

PLATFORMS & NETWORKS FOR SHARING KNOWLEDGE & COLLABORATION

Making strategies what is possible to do

Strategy

- Supports politicians and policymakers
- offers scenario's
- Translates data for policy
- Translates research for policy

Reflecting on practice

Ateliers

- University, municipality, Societal organization & business
- Professionals and researchers
- Reflect together on practice
- Develop research and policy questions

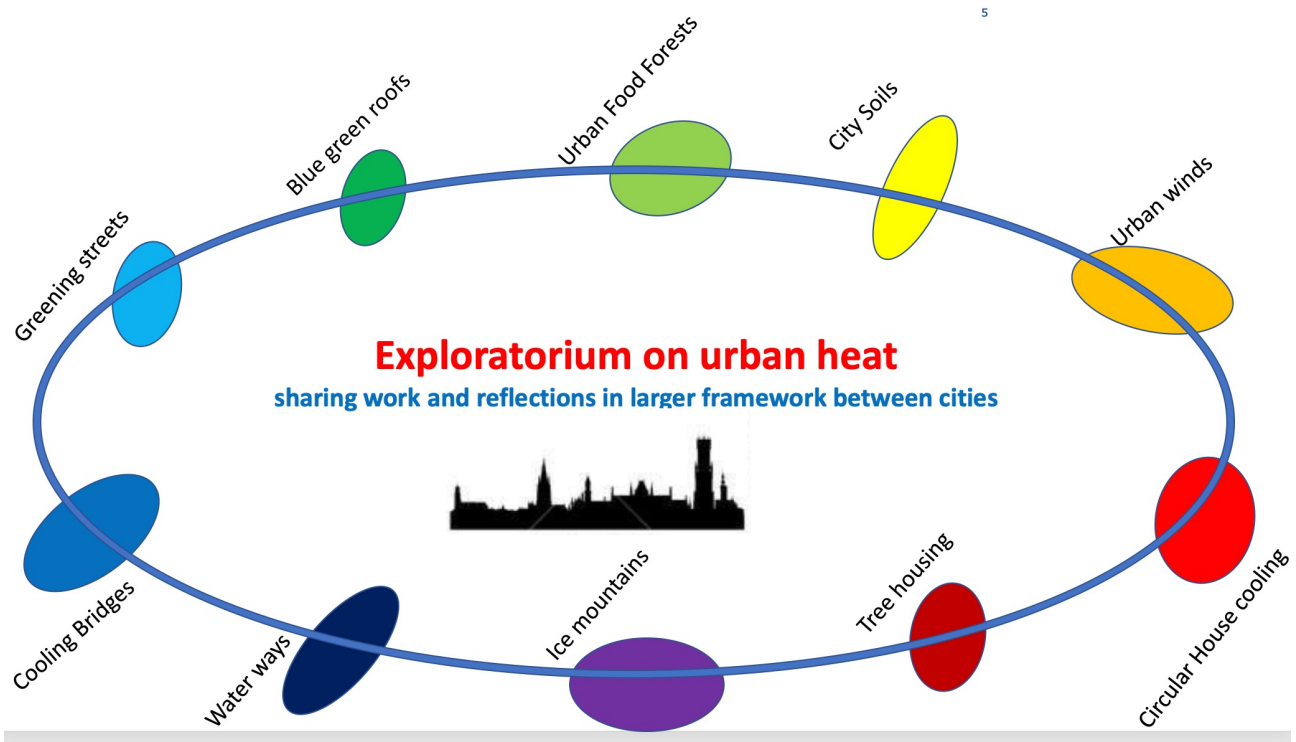
Harvesting state of the art knowledge

City Science Catalyst

- Orchestrates input universities
- Orchestrates input students
- Orchestrates input researchers
- Input Economic. Board, Social Council, Collectives
- Orchestrates networks
- Matches people & research questions
- Publishes platforms

EUROPEAN URBAN REGIONAL RESEARCH ECOLOGY

many collaborations in small teams with stakeholders, experts and engaged people
from city, universities, business and societal organizations in online & offline, local & trans-local activities
in larger orchestration for sharing work and reflection on urban challenges between cities



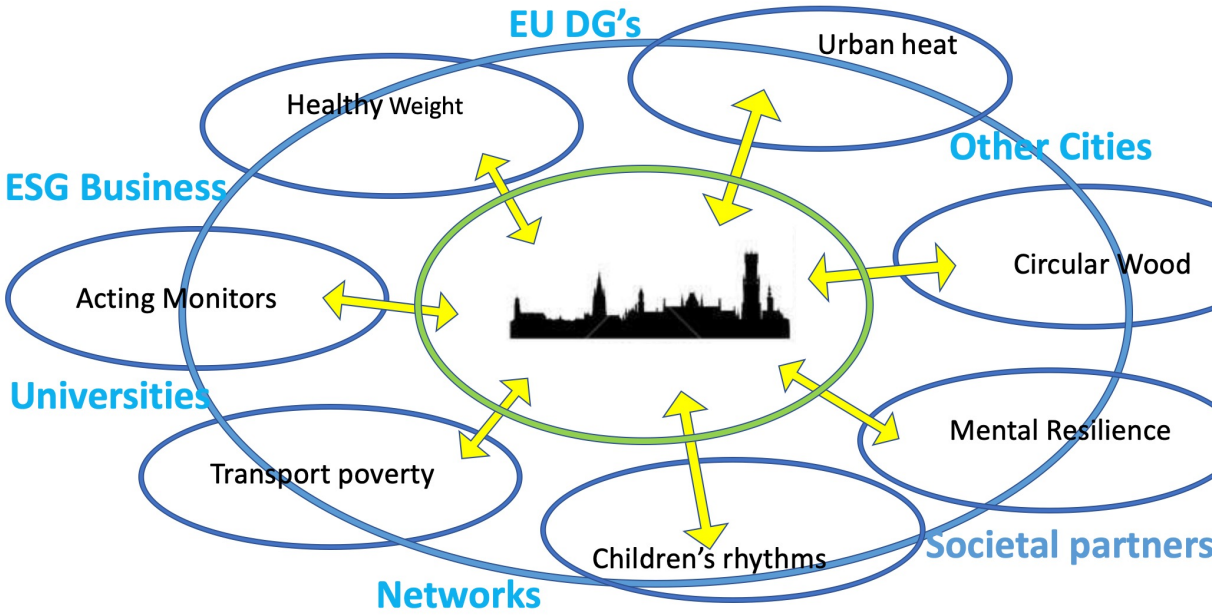
for EU commission this is clear, for cities it is hard to find the interface and the right people at the right time

EUROPEAN URBAN & REGIONAL RESEARCH ECOLOGY

How can we locally make it work?

City Science Initiave

2022 - 2025



- Capacity Building
- Methodology development
- Sounding board