UNICA:
Research policies & urban challenges

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Paradigm shift

Homo Mensura
(human being as measure of all things)
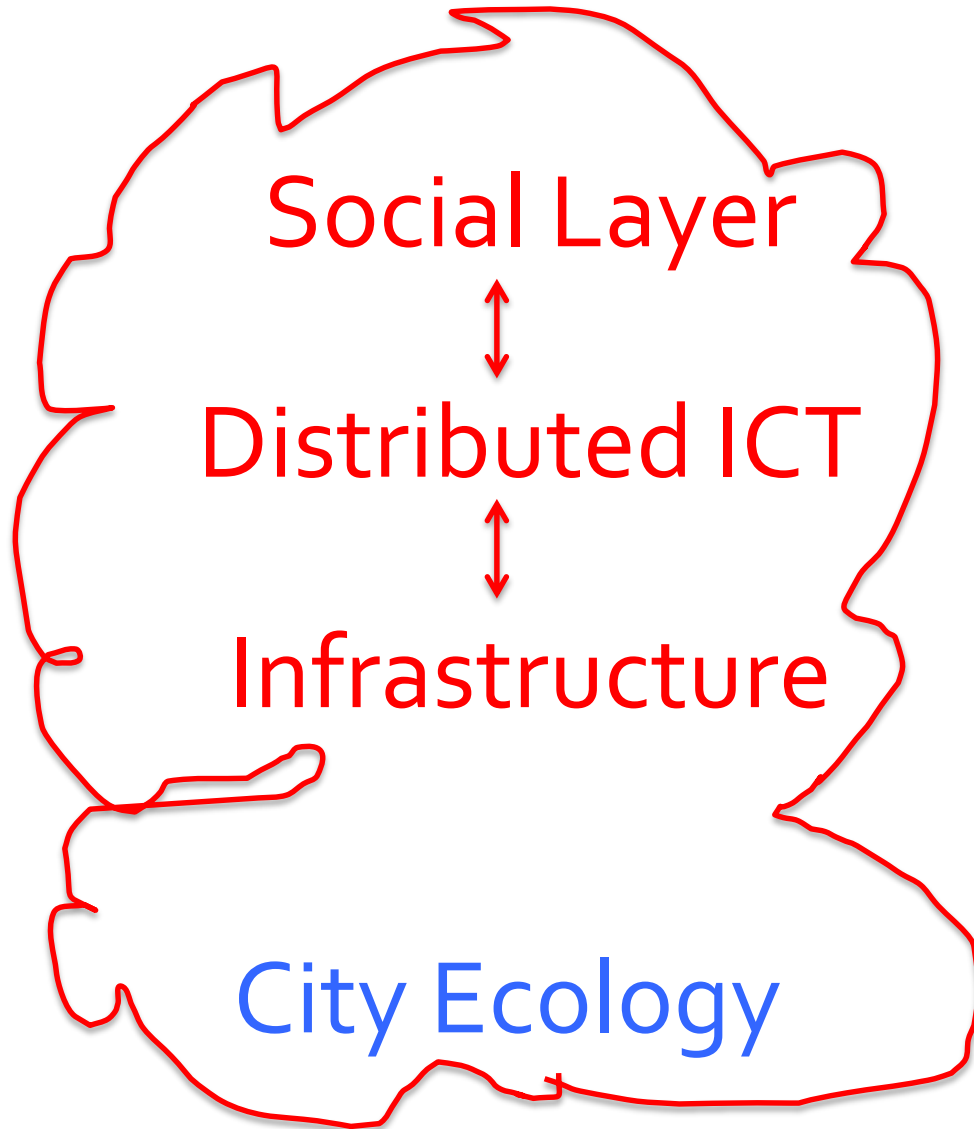
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Homo Mensurabilis
(measurable human being)

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Humanitas Mensurabilis
(measurable human kind)

The city as 'complex participatory system'

Social Layer

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Distributed ICT

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Infrastructure

City Ecology

Communities of people and systems

Low Trust ————————— High Trust

Surveillance ————————— Participation

meta-design of human experience

Who Owns the City?

Platform BZZNZZ

THE CITY IS A PLACE

Sharing Economy

Financial economy

LOCAL TAXES, RULES, JUSTICE

?

Crypto Currencies
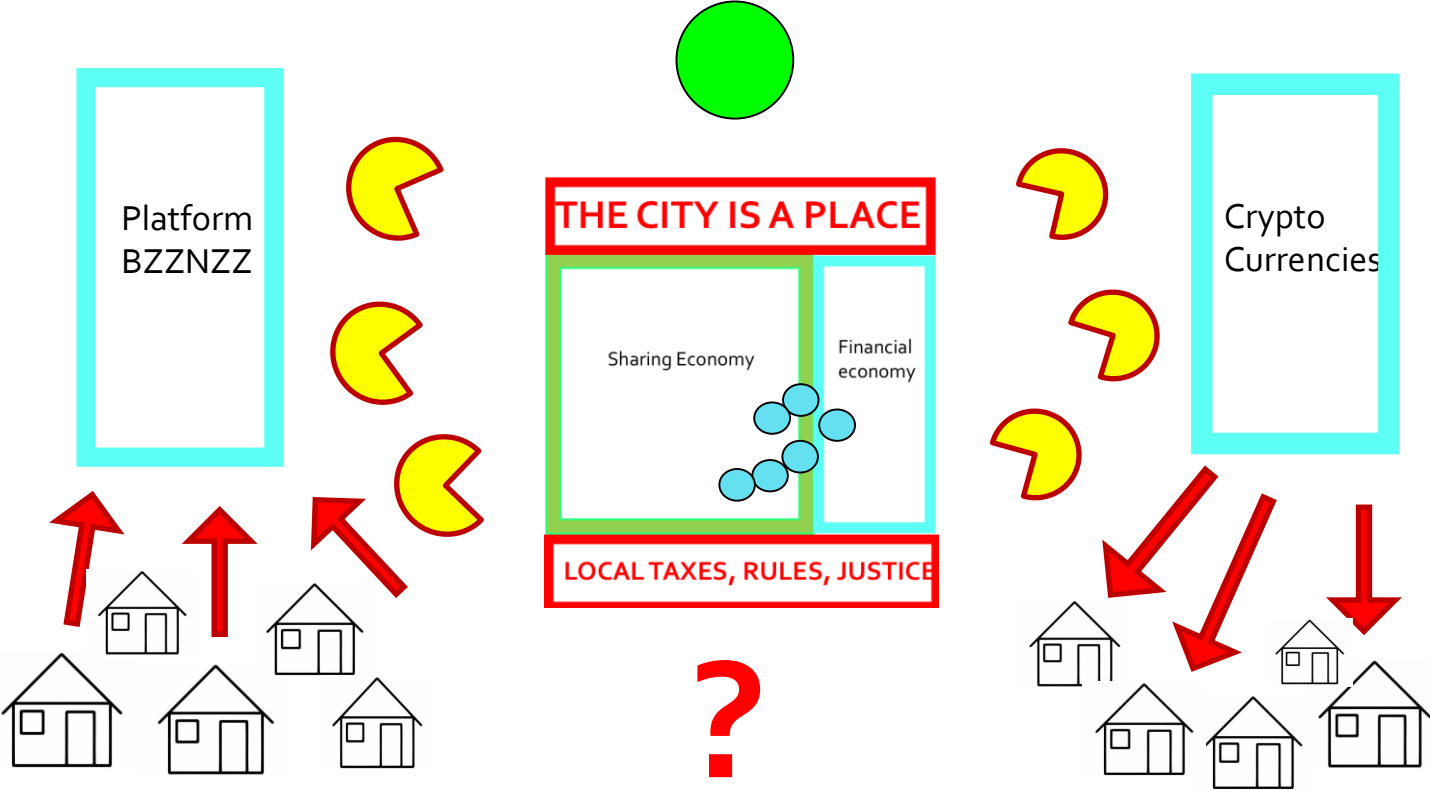
Undermining Data Dynamics

Personal

ME

Privacy

Public

US

Transparency

Sine qua non

Too much data

Information
Communication
Technology

Too little data

Sine qua non

Democracy

Justice

Business

IT

Commercial

Image: Caroline Nevejan
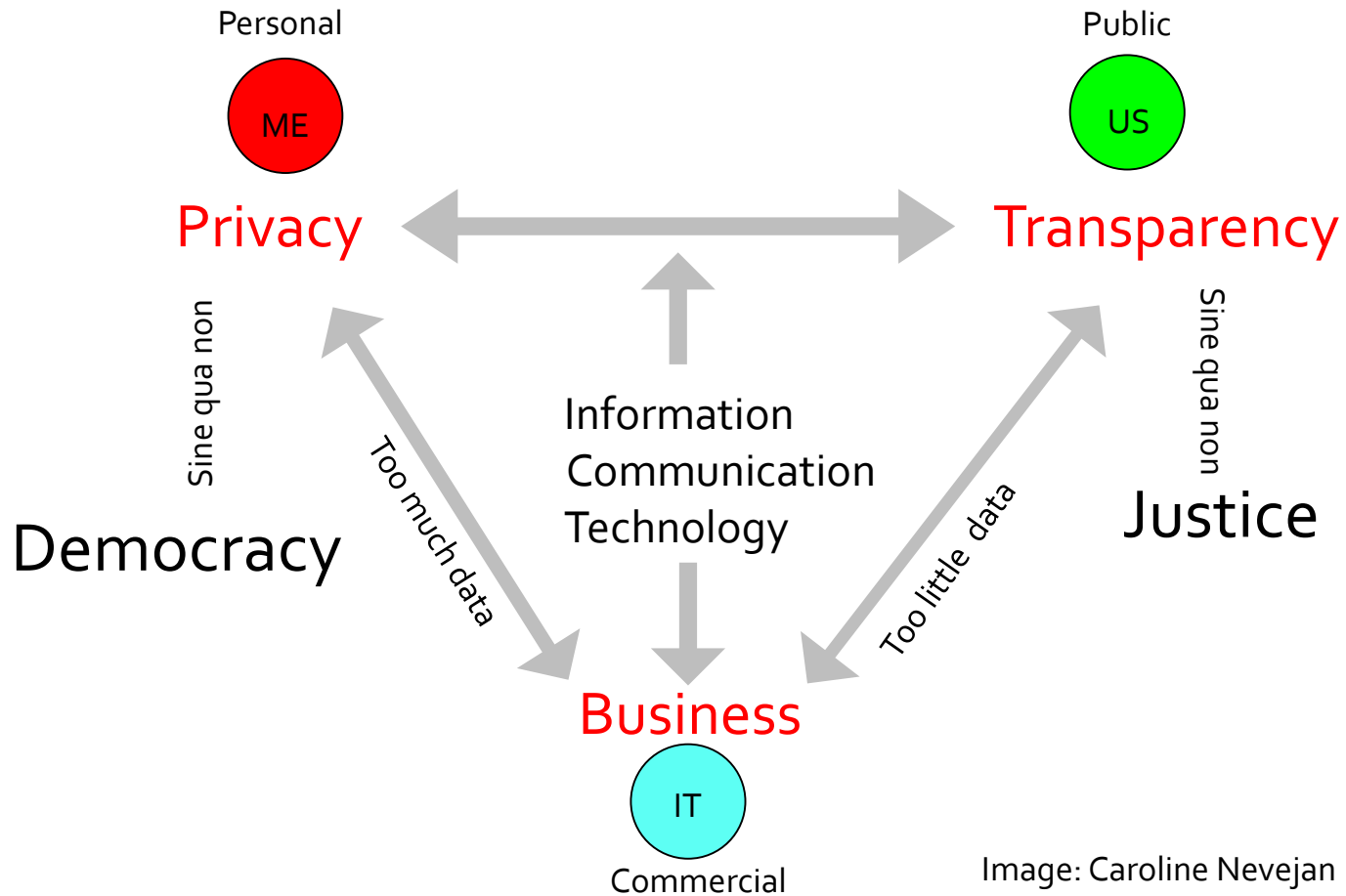
Grand Challenges:

- Climate Resilience

- Urban ecology

- Healthy work

- Equal opportunities

- Sharing meaning

- Life long learning

- Efficient Mobility

- Balance in urban growth

Cities are confronted with new issues:

- Speed and scale of data versus slowness of human processes

- Speed of computation versus speed of creative human mind

- Loss of causality as we know it

- 'Just in time' policy and research

- People feel lost in many ways

- Need for new forms of justice and governance

How can local and regional governments support research?
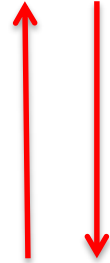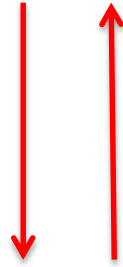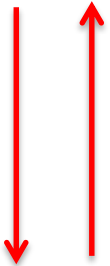
How can research support local and regional needs?

Societal impact happens in all steps of scientific process:

- Agenda setting
- Research design
- Methodology
- Executing research
- Analyses
- Design and engineering
- Publishing in different ways for different audiences
- Monitoring
- Evaluating
- Agenda setting

Design can bridge policy and research

Policy

Research

Design
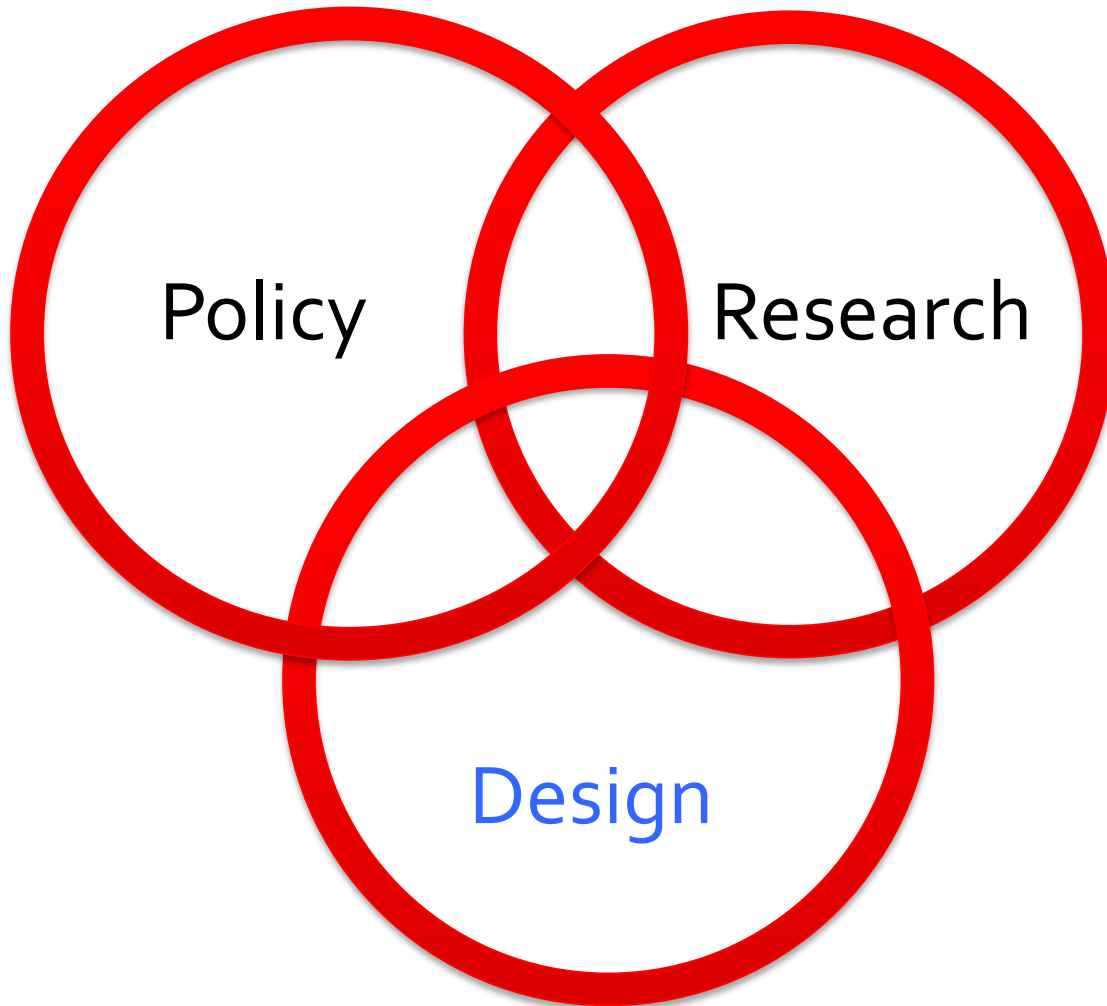
City Science Officer:

Gathering studies	Matching people	Publishing research

Matching:

- Alpha
- Beta
- Gamma

– – – Significant encounters

———— Shared study

———— Experiment - Pilot – Living lab

———— PhD Trajectory

———— Shared proposal

Openresearch.Amsterdam

Gathering

Connecting

Collaborating

Publishing

Thank you

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