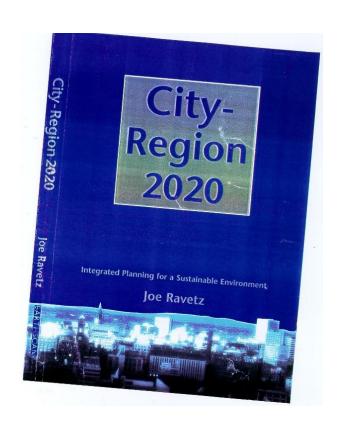
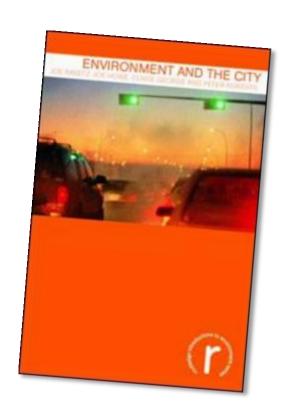
# JPI Urban Europe – lunch 27-09-19

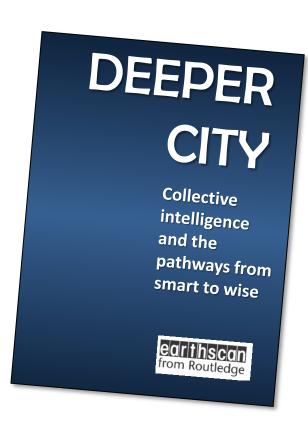


"World's largest feasibility study"

– linking spatial, economy,
environment, society,
governance.



"Environment and the City" - critical perspectives on the urban environment around the world



collective intelligence for relational cities, economies, ecologies, technologies & politics

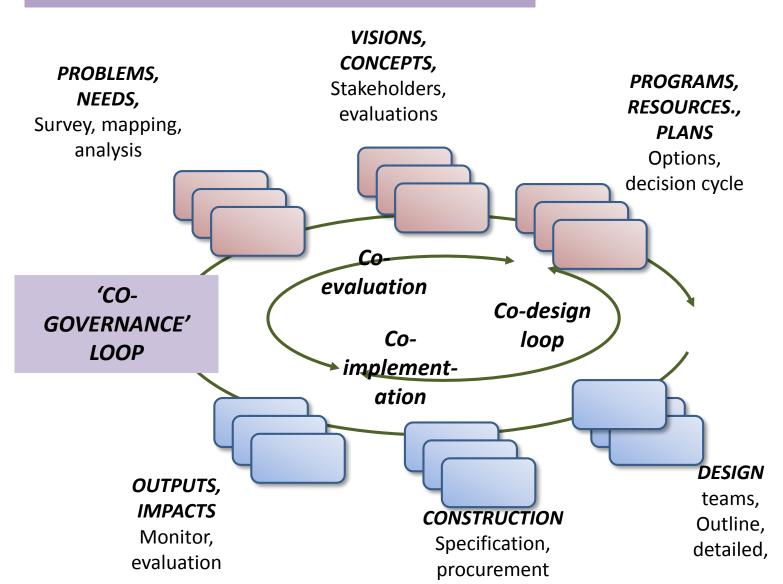
## LOOPER LIVING LAB —OUTLINE



# **LEARNING LOOPS in the BUILT ENVIRONMENT**

### 'GOVERNMENT LOOP'

(top-down, expert-driven, exclusive)



#### (c) TOP-DOWN GOVERNMENT - I&II **GLOBAL ELITE** NATIONAL Easy capture STAKEHOLDERS: of national invisible lines of systems influence & control Leader NATIONAL **Party** & exec-**GOVERN**utive: **MENT:** Chamber Civil in-grown, service: out of touch **Delegates** Agency STAKE-**HOLDERS** disconnected, out of loop LOCAL Party Exec-**GOVERN**utive: **MENT:** Chamber Civil ₩ peripheral, service: dependent Delegates Agency CITIZENS: disconnected, disempowered: weak feedback via SYSTEM LEARNING occasional elections not effective with

### (d) MULTI-LEVEL CO-GOVERNANCE - III **GLOBAL ELITE:** NATIONAL mutual STAKEHOLDERS: collaboration Transparent circles o with strong co-production national systems Circles may be sub-national / COregional / city-GOVERNANCE region, by **CIRCLES:** geography 'associative & deliberative' democracy: LOCAL CIRCLES All stakeholders are 'in the loop' government units, or work at neighbourhood **Further** pathways CITIZENS: Mobilize | empowered & value from self-organized: upstream to downstream **SYSTEM LEARNING:** Wider pathways

mobilize communities

of interest

may fit

level

feedbacks & loops are

strong & multiple

# JPI Urban Europe – lunch 27-09-19

## WHERE TO START: LOW CARB CITY EXAMPLE

This Low-Carb City looks like a mess... nothing fits...

The elite pull all the strings... society is fractured

Our buildings are obsolete & past the sell-by date

Housing is a Ponzi scheme... energy & water are casino chips

Government can't keep up with the forces which really run the city

So this Low-Carb thing - is it an economic cost, technical challenge or social dilemma???

Yeah - if we can't agree on the problem, how are we going to find a solution?

Welcome to the "Synergistic Toolkit' for urban transformation

## **SYNERGISTIC PROCESS**

Here's a typical Synergistic workshop in 4 stages & 12 steps

In
preparation,
think about:
Who are the
users?
Why are they
here?
Where is the
best place?
When to
start &
finish? etc...

1) 'SYSTEM MAPPING'
- first we explore & draw maps
of 'what is our problem' & 'how
does this system work'?



2) 'SCENARIO
MAPPING' looks at future
trends, dynamics,
alternative scenarios







Finally: either go around the cycle again: or take it out to the world

4) 'PATHWAY /

**STRATEGY'** - here we converge back to practical plans, policies, actions.

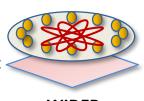
3) 'SYNERGY MAPPING'... the creative core of the toolkit, exploring new collaborations, value-chains, alignments & synergies

## SYNERGISTIC RESEARCH TOOLS

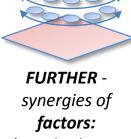
### SYSTEM MAPPING with DEEPER COMPLEXITY

First we map the system & its deeper challenges:

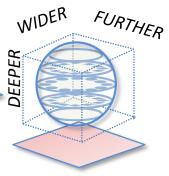
- **Wider** synergies of 'actors' around the table:
- *Further* synergies of 'factors' in the valuechain or metabolism;
- **Deeper** synergies between domains: (social, technical, economic, political etc).



WIDER synergies of actors: (persons, organizations, institutions etc)



(supply chains, logic models, energy flows etc)



DEEPER synergies of values & domains -(social, technical, economic etc)



'deeper city mind'...

So how to get from

### SYNERGY MAPPING with COLLECTIVE INTELLIGENCE

In systems of deeper complexity e.g. cities - 3 'Modes' of change & transformation:

- **Mode-I, linear, 'CLEVER':** a mechanical complex system
- Mode-II, evolutionary, 'SMART': a biological system of 'adaptive complexity'
- Mode-III, co-evolutionary, 'WISE': a human system of (a a a a i ± i , , a a a a a a l a , , i ± , , / 0

Here's a 'CLEVER' city, a complex machine with fixed functions



# **VARIETIES of CREATIVE THINKING**

