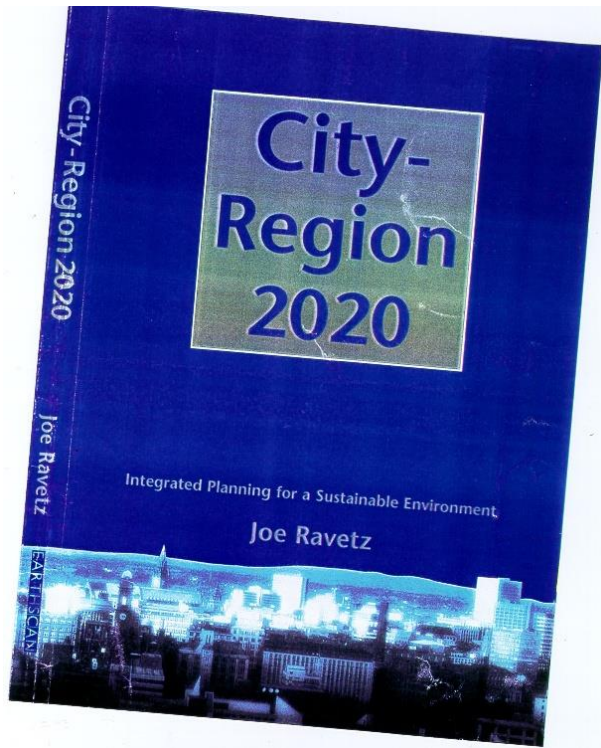


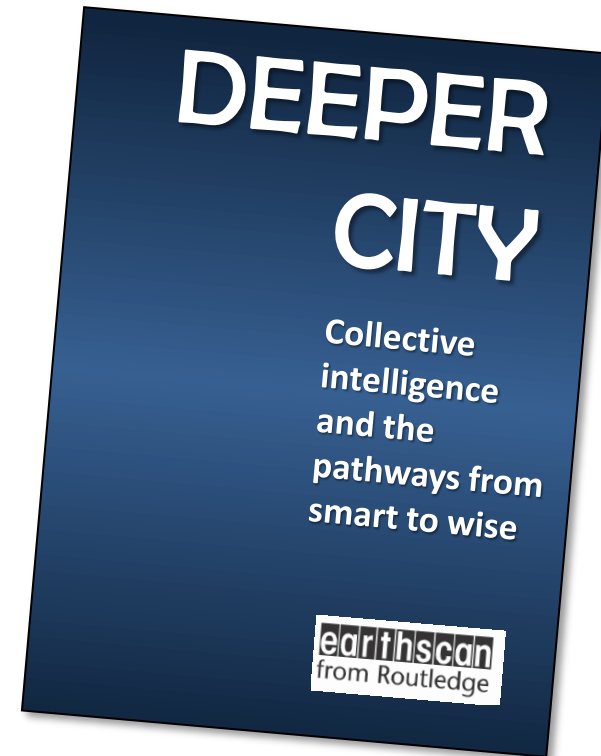
# *JPI Urban Europe – lunch 27-09-19*



“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

**'PEOPLE' & community**



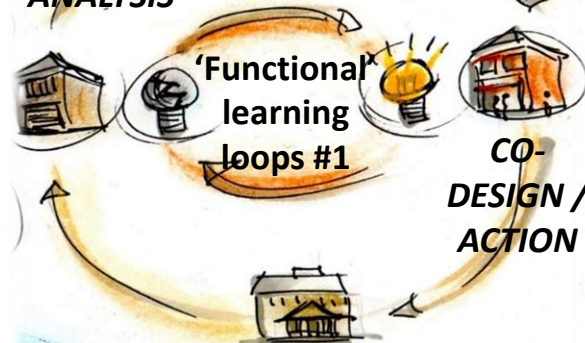
**'PRIORITIES' & problems**



**'PLACES' & spaces**



**PROBLEM / ANALYSIS**



**'Strategic' learning loops #2 community & policy**

**'Research' learning loops #3  
– wider lessons**

**'PROCESS-SETUP' of experiment**



**'PLATFORM' knowledge exchange**



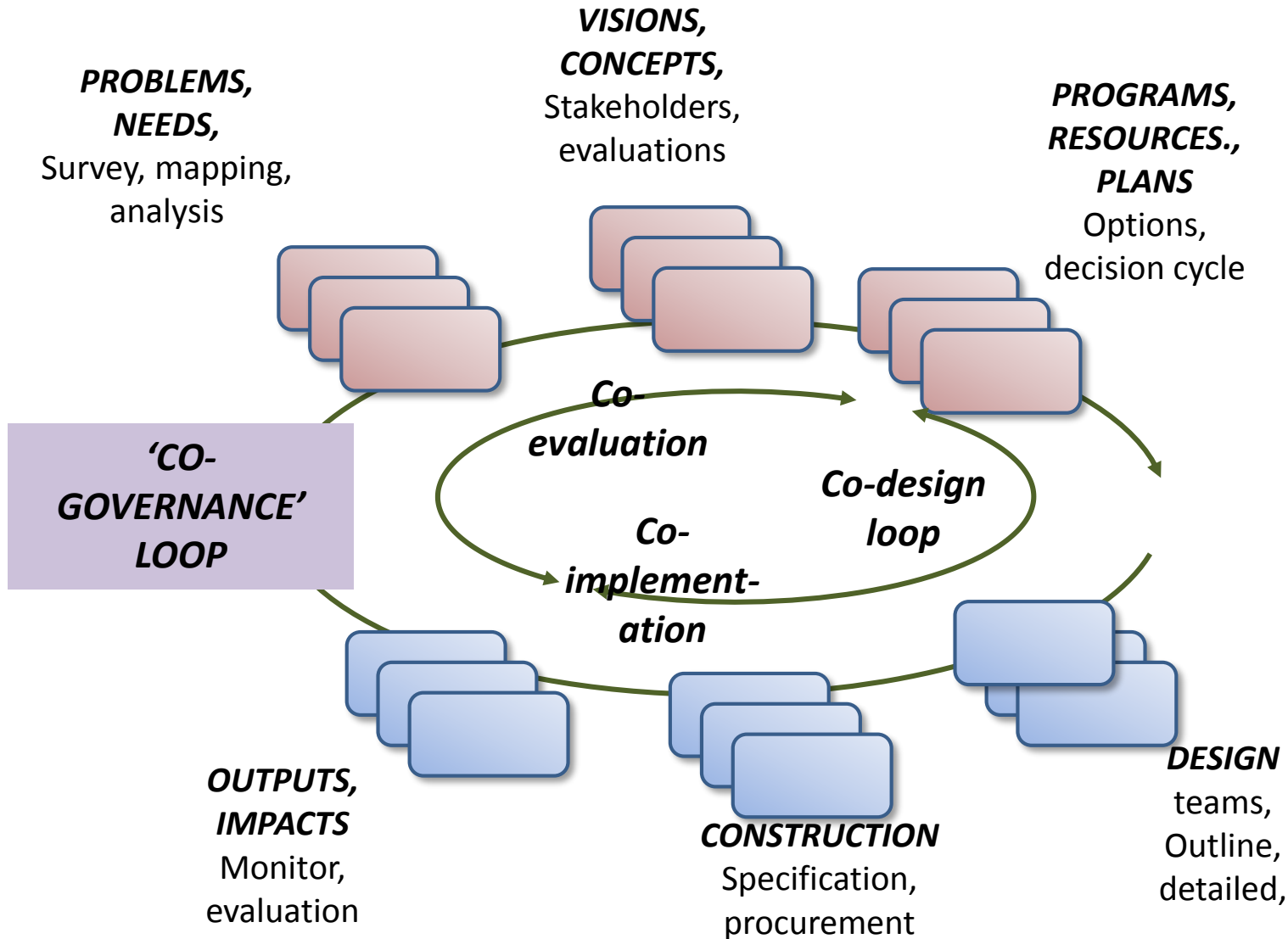
**'PROCESS-EVALUATION' & insight**



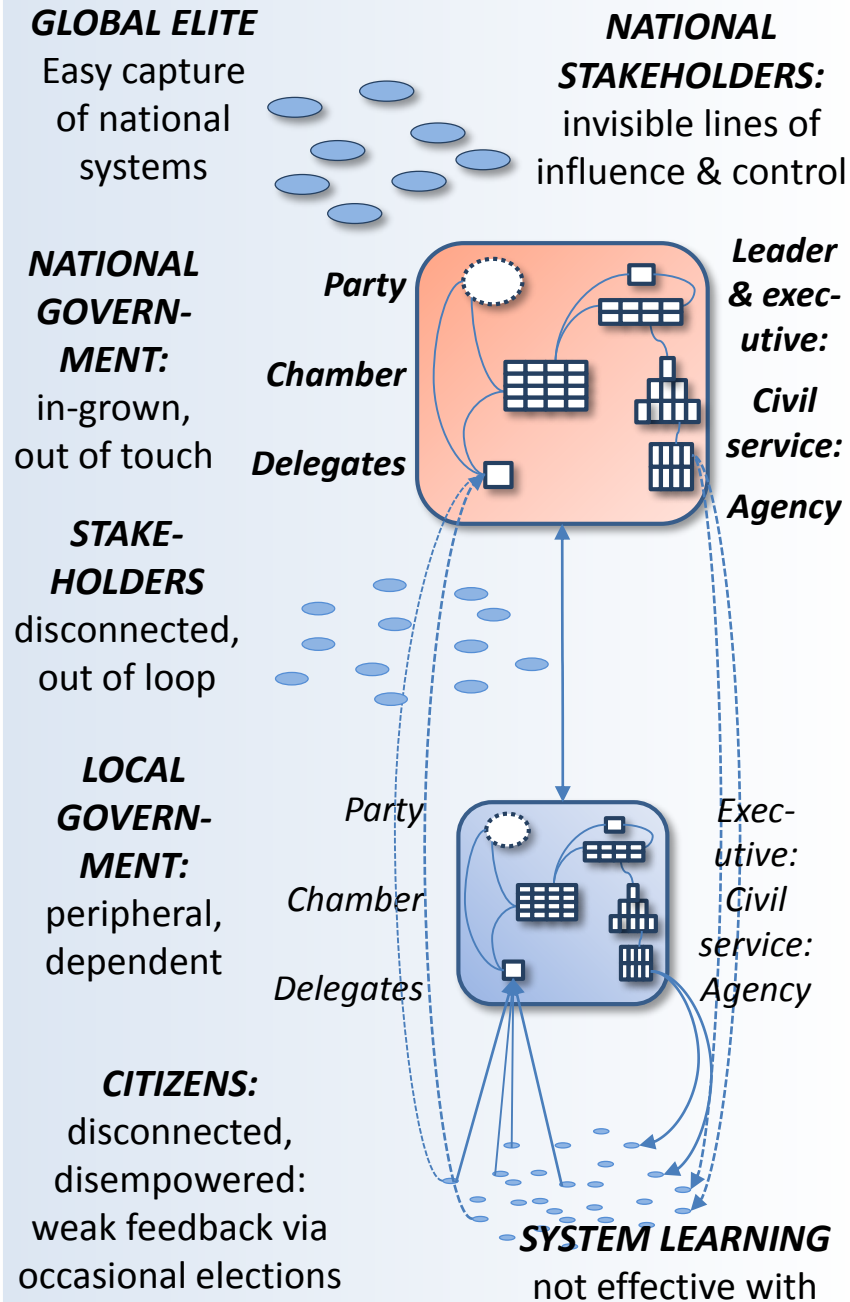
# LEARNING LOOPS in the BUILT ENVIRONMENT

## **'GOVERNMENT LOOP'**

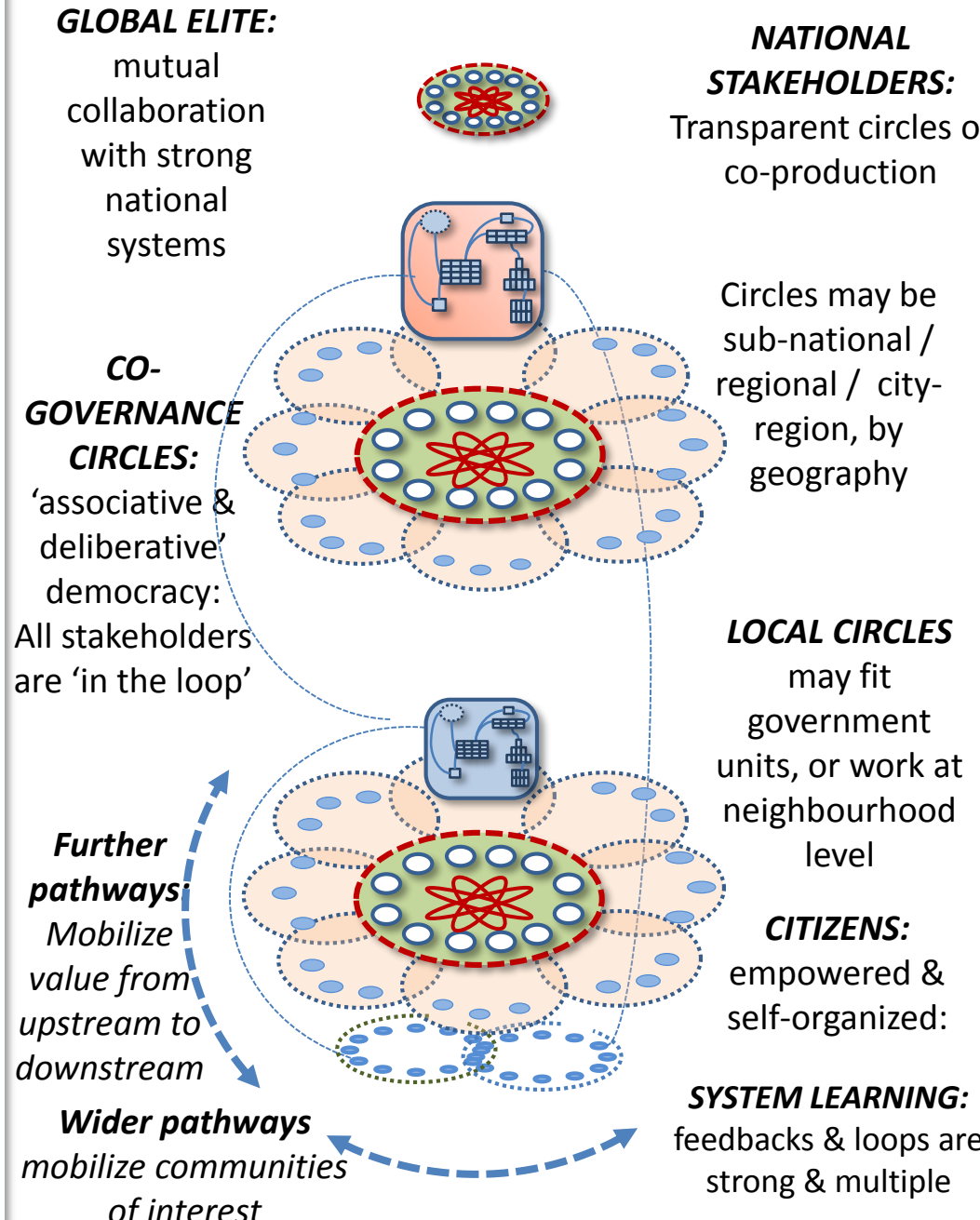
*(top-down, expert-driven, exclusive)*



## (c) TOP-DOWN GOVERNMENT - I&II



## (d) MULTI-LEVEL CO-GOVERNANCE - III





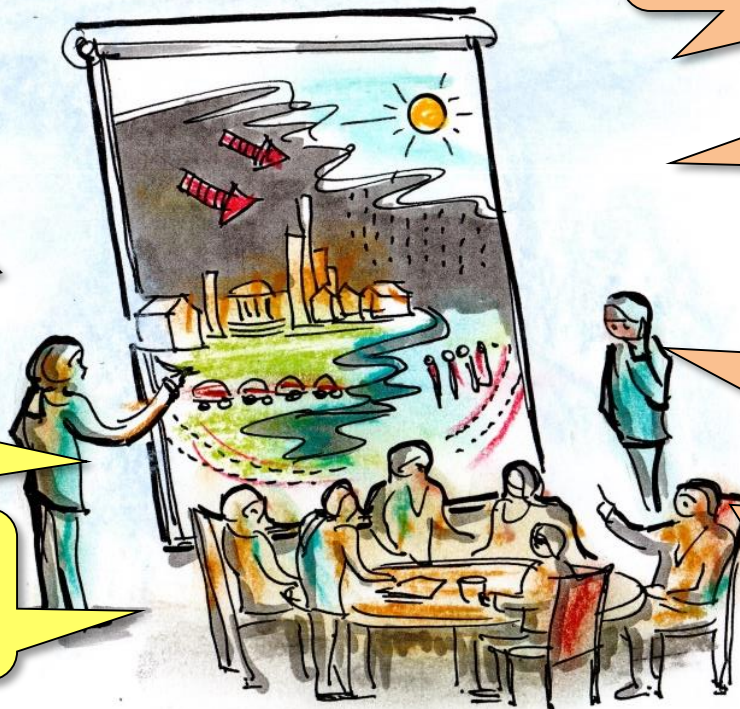
# JPI Urban Europe – lunch 27-09-19

## 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

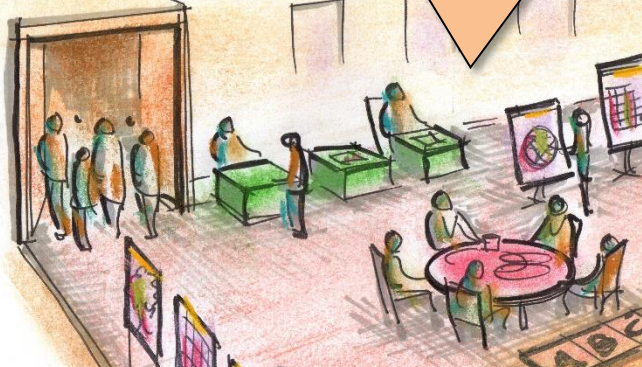
# SYNERGISTIC PROCESS

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'?

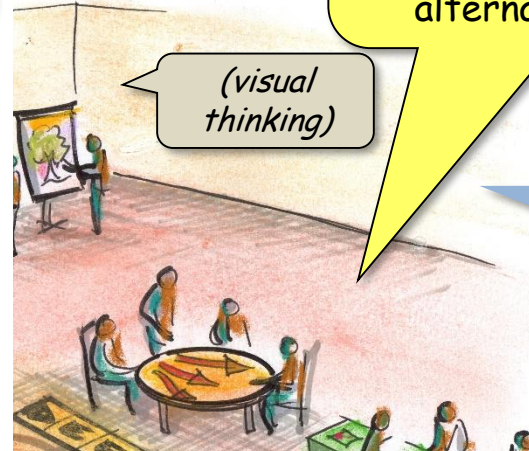


## 2) 'SCENARIO MAPPING'

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

(visual thinking)

& specialist resources)



## 3) 'SYNERGY MAPPING'...

... the creative core of the toolkit, exploring new collaborations, value-chains, alignments & synergies

## 4) 'PATHWAY / STRATEGY'

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

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

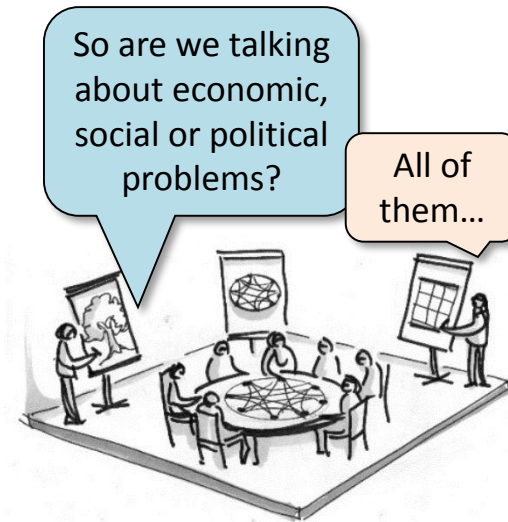
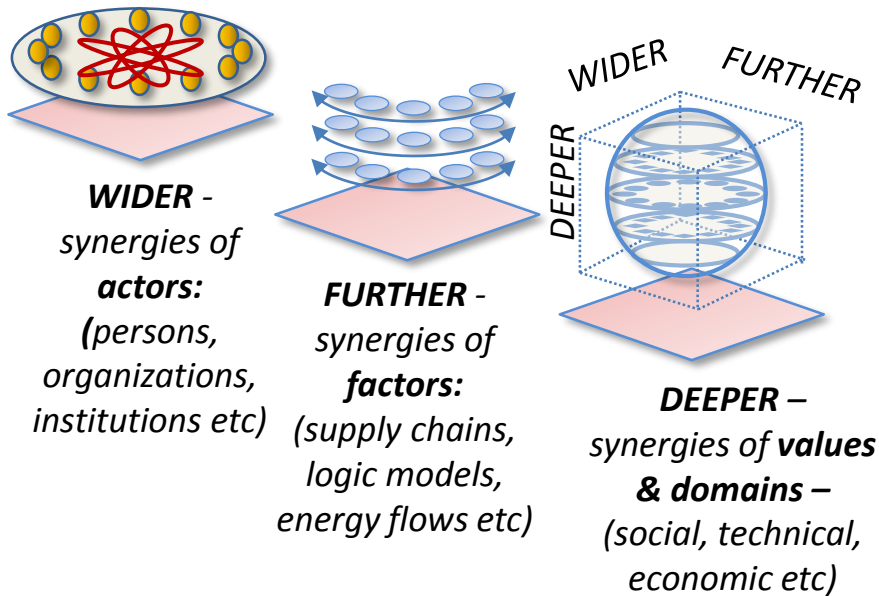


# SYNERGISTIC RESEARCH TOOLS

## 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 value-chain or metabolism;
- **Deeper** synergies between domains: (social, technical, economic, political etc).

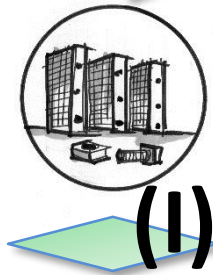


## SYNERGY MAPPING with COLLECTIVE INTELLIGENCE

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 'cognitive complexity' &

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



....a '**SMART**' city: competitive, innovative, but myopic & selfish



A '**WISE**' city works with urban collective intelligence, the 'deeper city mind'...



So how to get from

# VARIETIES of CREATIVE THINKING

