

"RIS3 in Greece: Consolidating Governance and Raising Ambition"

13 February 2019, Thessaloniki, Greece

CIRCULAR – INCLUSIVE – DEVELOPMENT & THE LEARNING THINKING REGION

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Copies of graphics can be supplied on request.
The Synergistic Toolkit Guide is available on <https://urban3.net/synergistics/>
Synergistic projects are on www.Manchester.ac.uk/synergistics

**Centre for Urban Resilience & Energy
University of Manchester**

www.urban3.net



Outline

The objectives

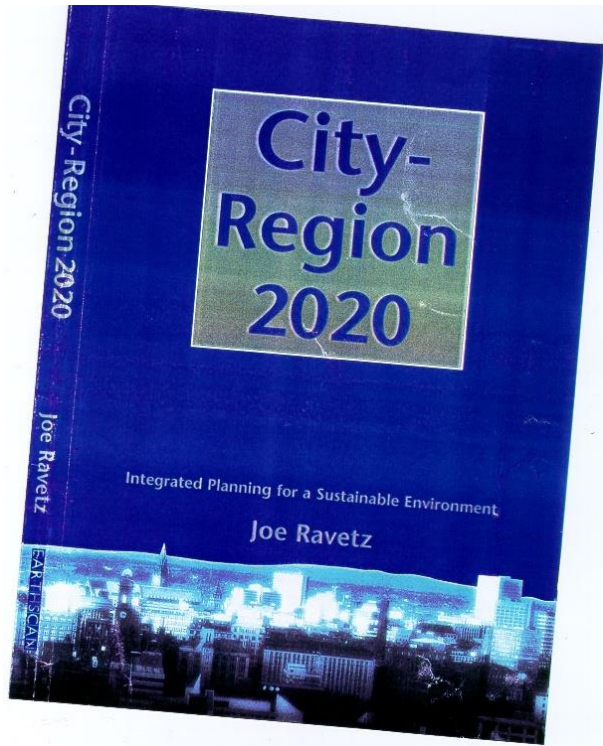
- a) What is the (wider & deeper) problem ??* regional disparities & power dynamics
- b) What are the goals ??* Circular & inclusive development
- c) Where are the pathways??* Towards the learning thinking region



The clients



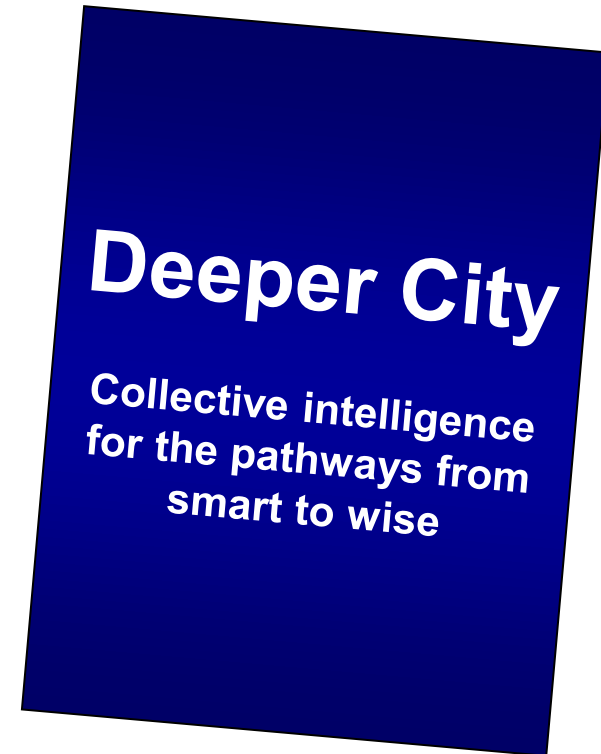
Thinking in progress



“World’s largest feasibility study”
– linking spatial, economy,
environment, society,
governance.



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

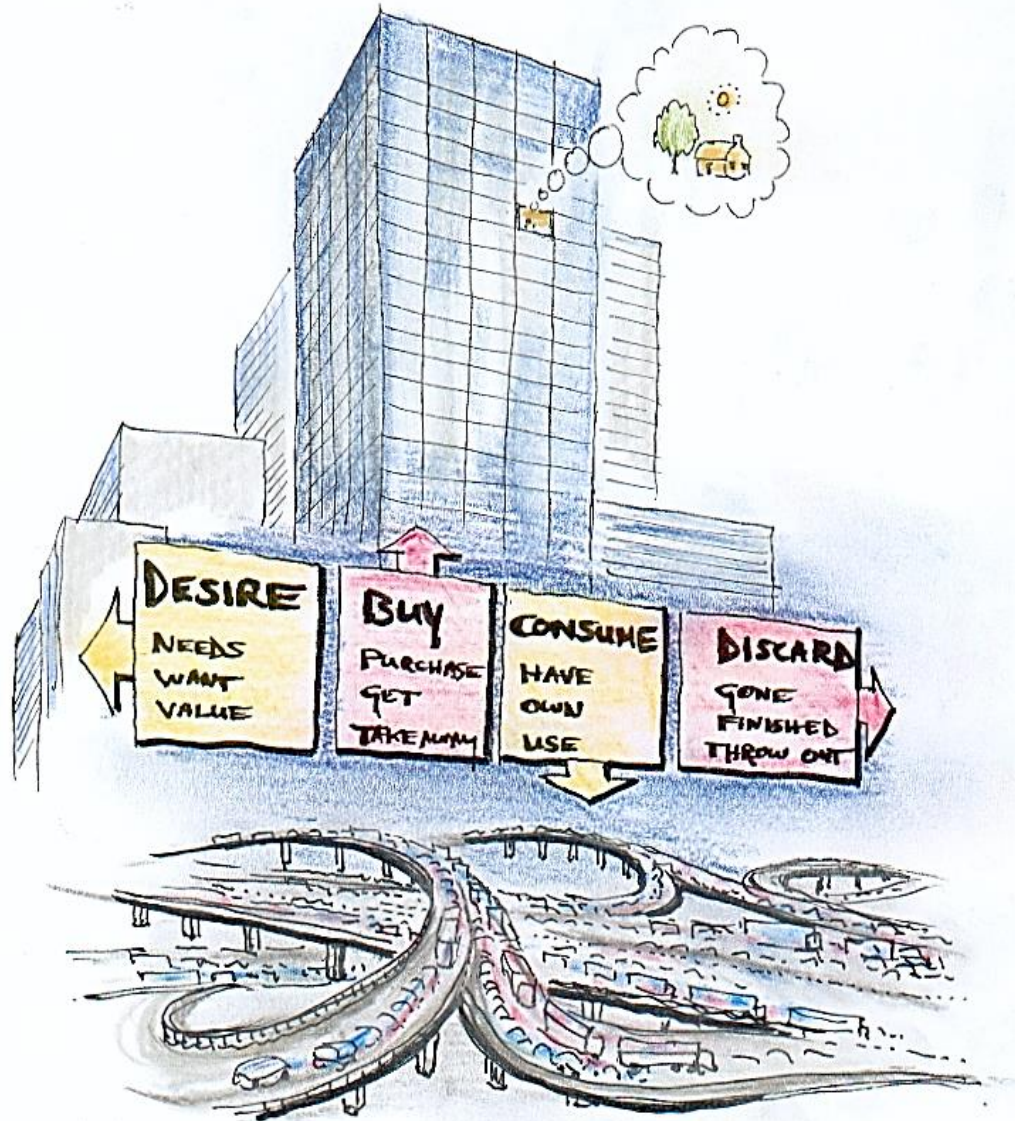
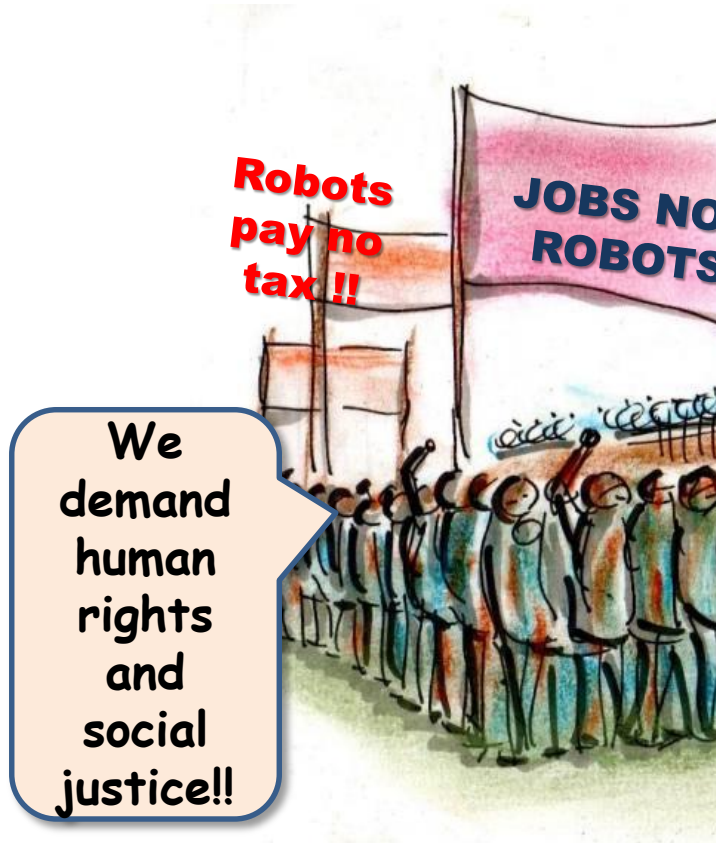


collective intelligence for
relational cities, economies,
ecologies, technologies & politics

a) What is the (wider & deeper)
problem ?? regional disparities &
power dynamics

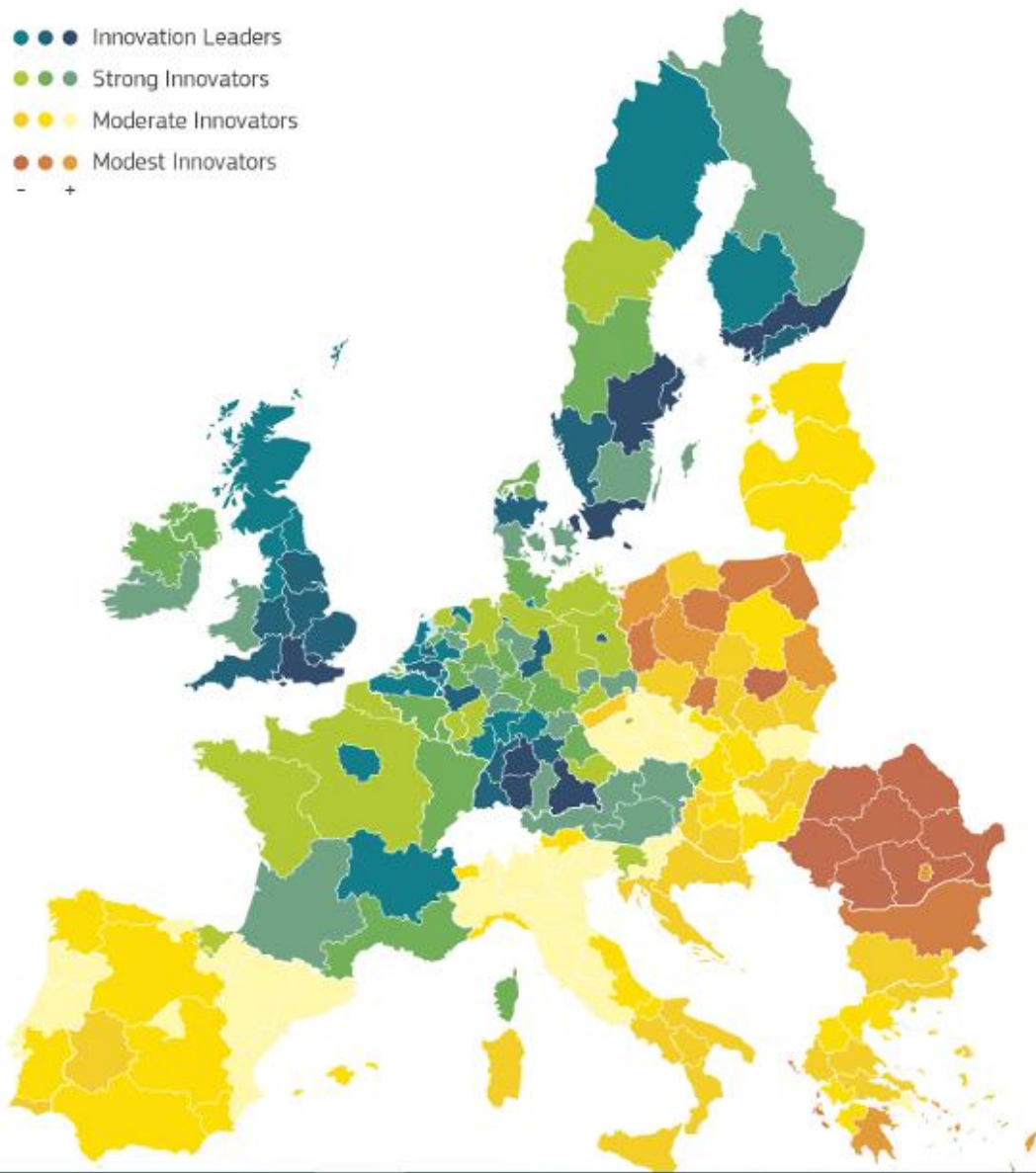


LOCKED OUT



REGIONAL INNOVATION *versus* 'OTHER FACTORS'

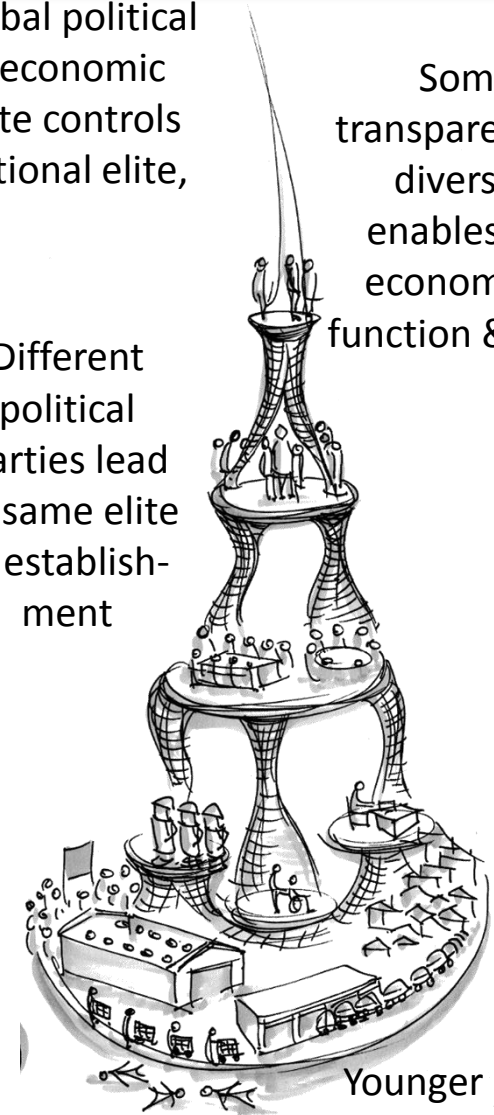
- ● ● Innovation Leaders
 - ● ● Strong Innovators
 - ● ● Moderate Innovators
 - ● ● Modest Innovators
- +



Global political
/ economic
elite controls
national elite,

Some
transparency &
diversity
enables the
economy to
function & grow

Different
political
parties lead
to same elite
& establish-
ment



Dissent is
undermined by
division of labour

Younger lack a
positive future /
older have lost a
stable past

REGIONAL DISPARITIES & MULTI-LEVEL GOVERNANCE

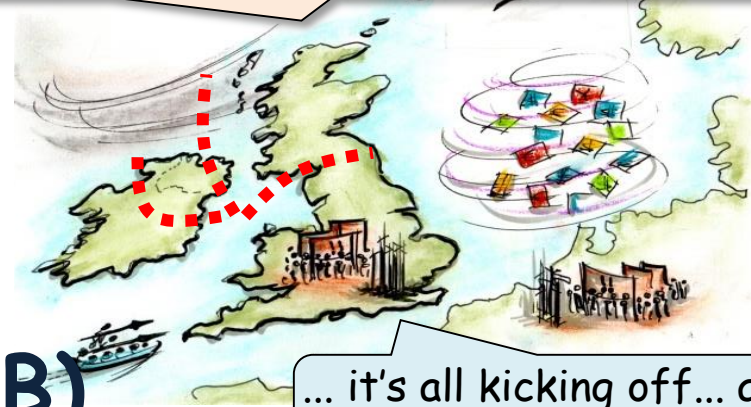
"After Brexit, UK crashed & the EU fell apart. Trump took USA & Putin took Eastern Europe... climate change migration etc



We need freedom of travel

(A)

"UK was divided & uncertain... austerity, financial crisis, refugees, terrorism, etc... But the EU & UK worked together



(B)

... it's all kicking off... again... Anyone have a plan??

"After 'Brexit-Max' the UK hollowed out, but London grew as the #1 global tax haven & southern England as its playground...



(C)

who said Brexit was anti-migration? we need our £3 an hour workers...

(D)

"in the EEA/EFTA, the UK is now beacon of peace & prosperity, working with a more intelligent EU



At last... a working community of 500 million for the 21st century

POWER DYNAMICS & DISCOURSES

(CIVIL ELITE) -
We're experts so
trust us & we can all
make progress
together

GLOBAL COMMUNITY

big government of
planning, regulation,
redistribution

<<Tension>>
Global
structures vs
local identity

LOCAL
COMMUNITY:
self-organizing
mutual aid

We've been left
behind by corrupt
politicians!!
(GRASSROOTS
ANTI-POLITICAL)

<<Tension>>
public vs private

(BUSINESS ELITE) Let's
'take back control' & make
our country great again!!

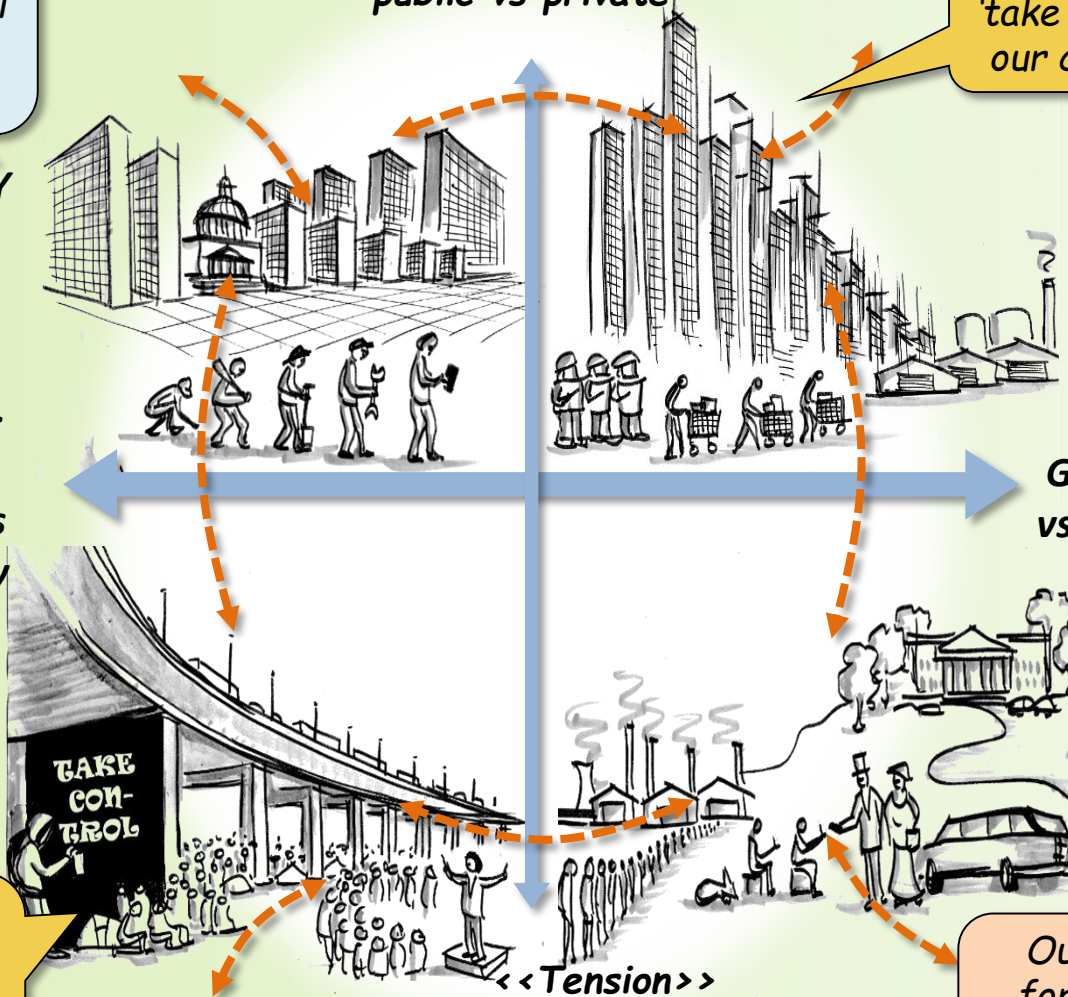
GLOBAL ENTERPRISE:
Government by & for
corporates & finance

<<Tension>>
Global efficiency
vs local livelihood

LOCAL ENTERPRISE
Government by &
for businesses &
philanthropists

<<Tension>>
collective vs
individual

Our jobs are taken by
foreigners & we need a
wall!!! (BUSINESS ANTI-
POLITICAL)



b) What is the goal ?? Circular & inclusive development



'CLEAN/CIRCULAR INCLUSIVE GROWTH' – SPACES OF OPPORTUNITY

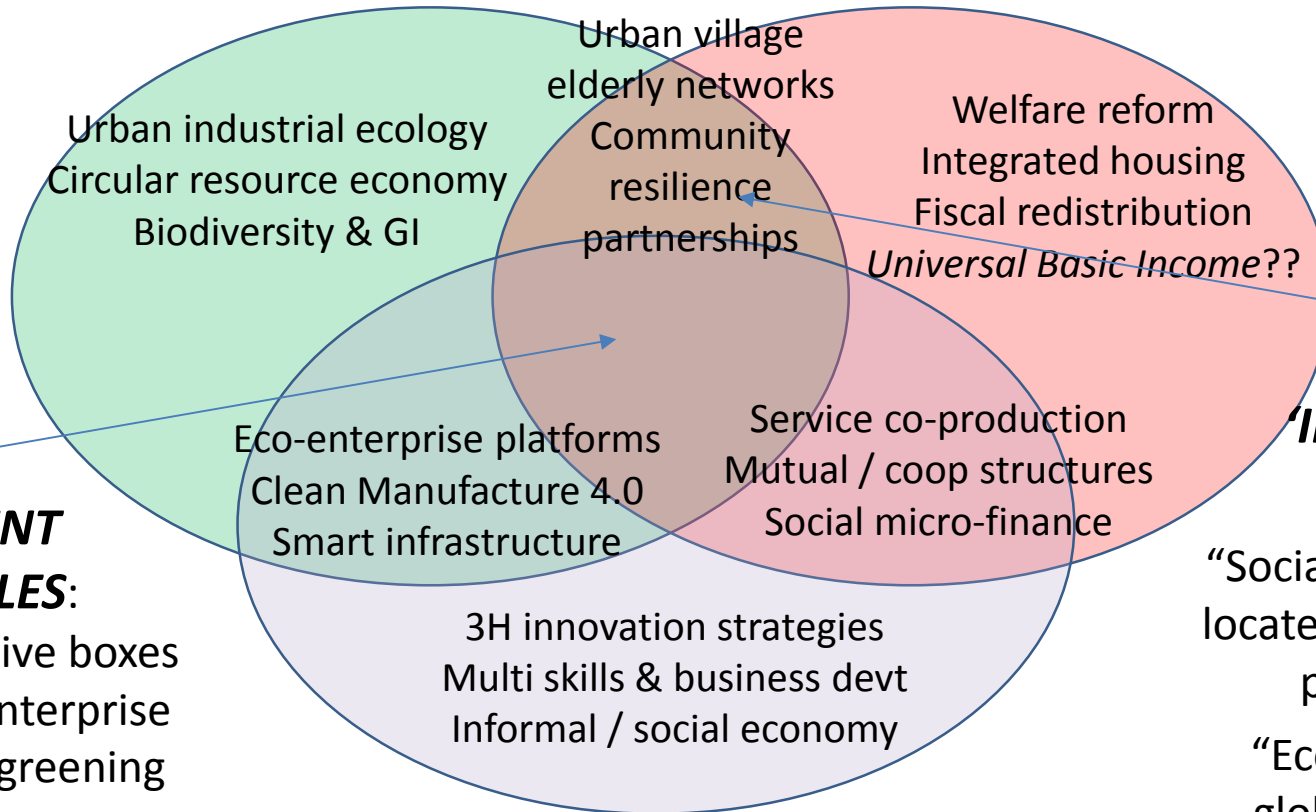
'CLEAN / CIRCULAR / RESILIENT' AGENDA

SOCIAL 'INCLUSION' AGENDA

GENERIC 'INTEGRATED MODELS'

CURRENT EXAMPLES:

Free cycle & give boxes
Urban food enterprise
Town centre greening



"Social-enterprise-geo
located-value-chain-co
production....

"Eco-service-local-
global-cultural-co-
creation-enterprise-
model...

"Living-lab-prototyping
design-thinking-

CIRCUL-ONOMICS-III

With reference to Ellen McArthur Foundation, 2012 & 2014

FINANCE & INVESTMENT:

business credit & asset values linked to ecosystems & recirculation potential: capital assets in mutual communities of suppliers, customers, stakeholders.

RESOURCES:

Recirculation via inner loops & multiple cycles where possible. Technology & components designed for disassembly, re-engineering, material cascades

BUSINESS MODELS & SUPPLY-DEMAND SYSTEMS:

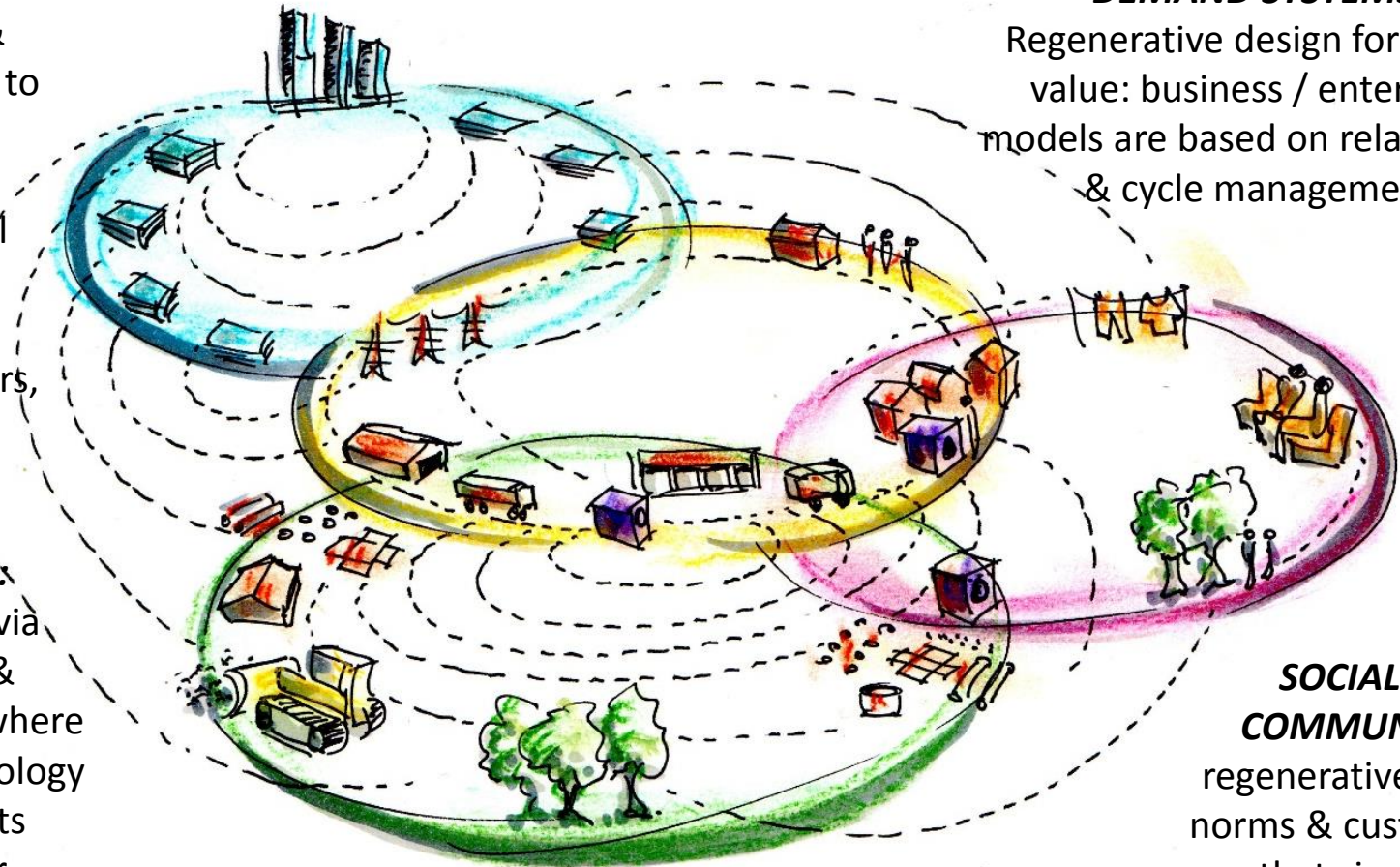
Regenerative design for added value: business / enterprise models are based on relationship & cycle management

SOCIAL & COMMUNITY:

regenerative social norms & customs so that circular consumption / sharing / distribution is standard.

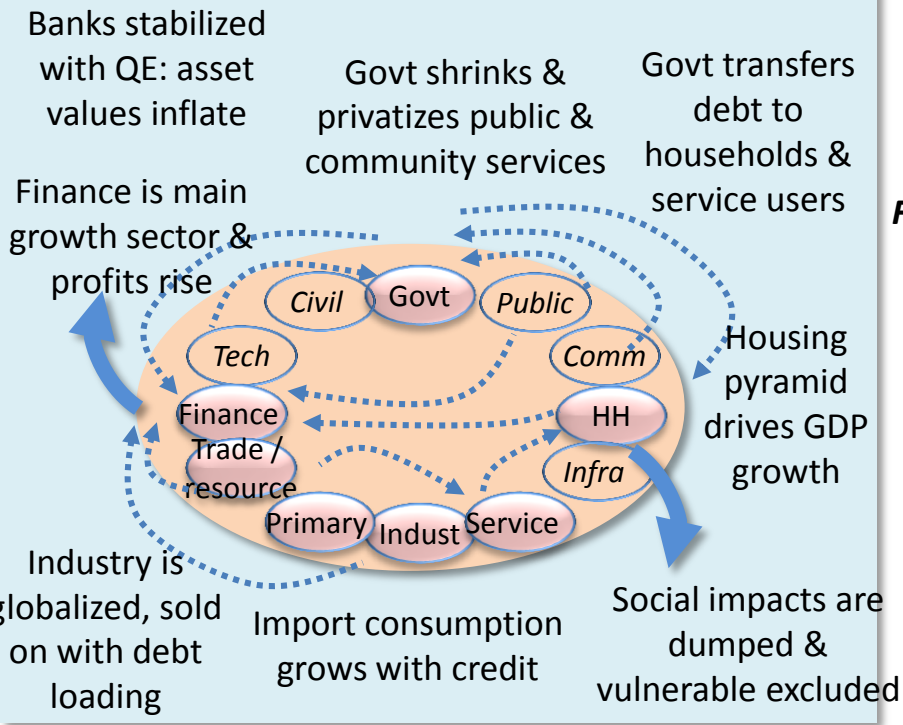
ECOSYSTEMS:

Recirculation of material carbon, nitrogen, metals etc, on local / global levels: ecosystem services maintained & enhanced.

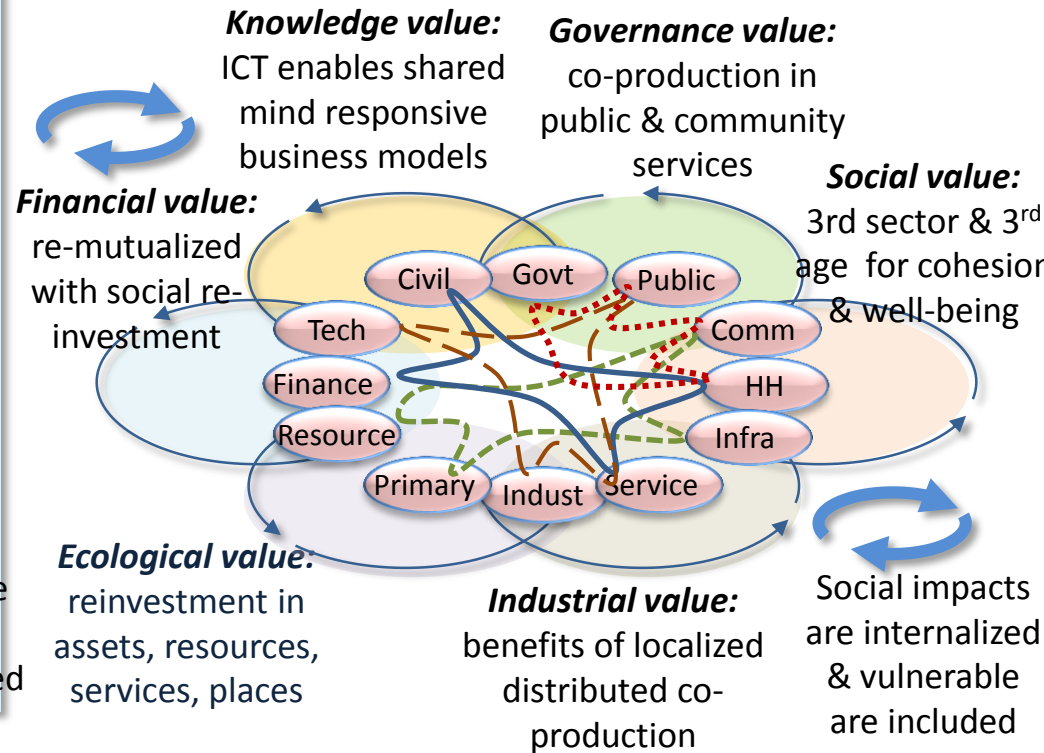


'SOCIO-NOMICS' & PROSPERITY

c) SYNDROMES & AUSTERITY-I&II



d) SYNERGIES & PROSPERITY-III



LOCAL-ONOMICS-III

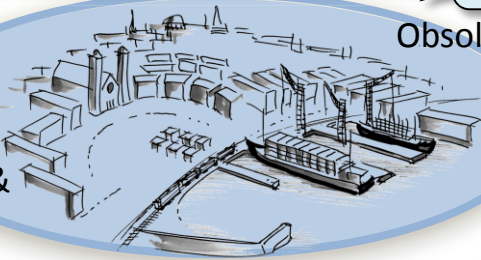
a) 'INDUSTRIAL CITY' (I)

Obsolete industries
Pollution from port & industry
Entrepreneurs & investors leave

The workers are striking again but their jobs are finished...

Obsolete labour & communities

Shipping & fishing goes to global logistics hubs



b) 'POST-INDUSTRIAL CITY' (II)

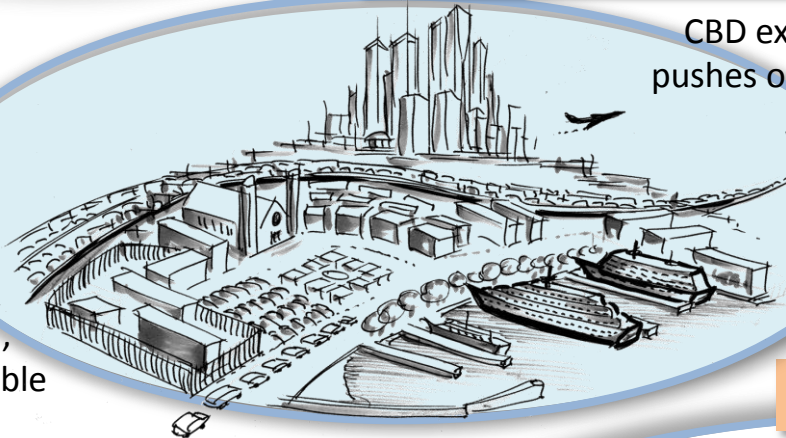
Cultural heritage is a commodity for tourists.
Roads replace living city
Fragmented workforce, precarious service jobs
Socio- patterns broken, communities are vulnerable

CBD expands & pushes out workers

There's some new jobs in waterfront cafes & tourist boutiques..

waterfront regeneration enclaves

tourist cruise ships & super-yachts



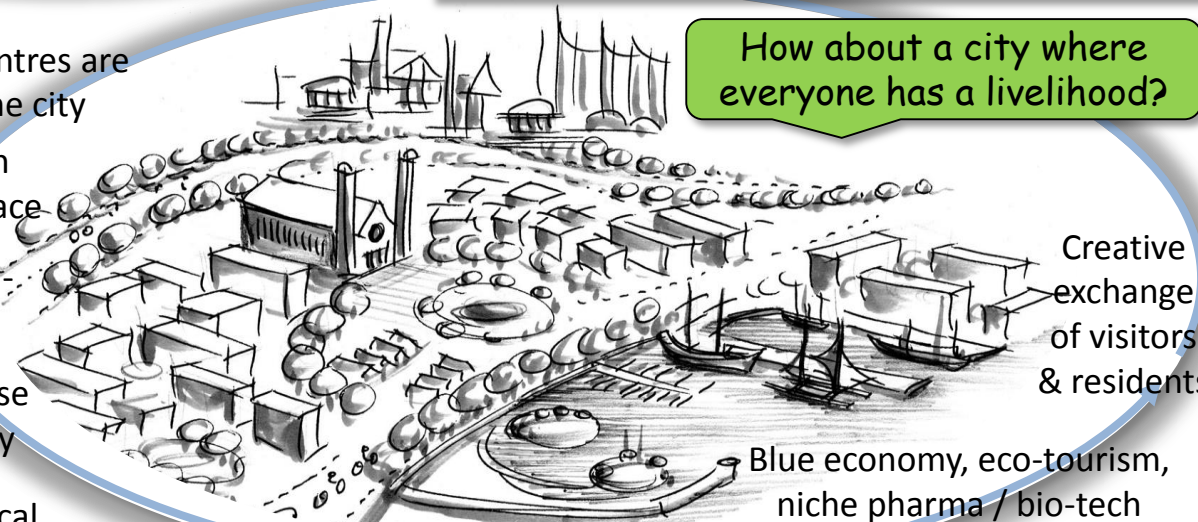
c) 'SYNERGISTIC CITY' (III)

Business / innovation centres are networked through the city
Green design links urban communities & marine space
Cultural heritage is a multi-valent community asset
Social & community enterprise in the foundational economy
Mutual finance with local

How about a city where everyone has a livelihood?

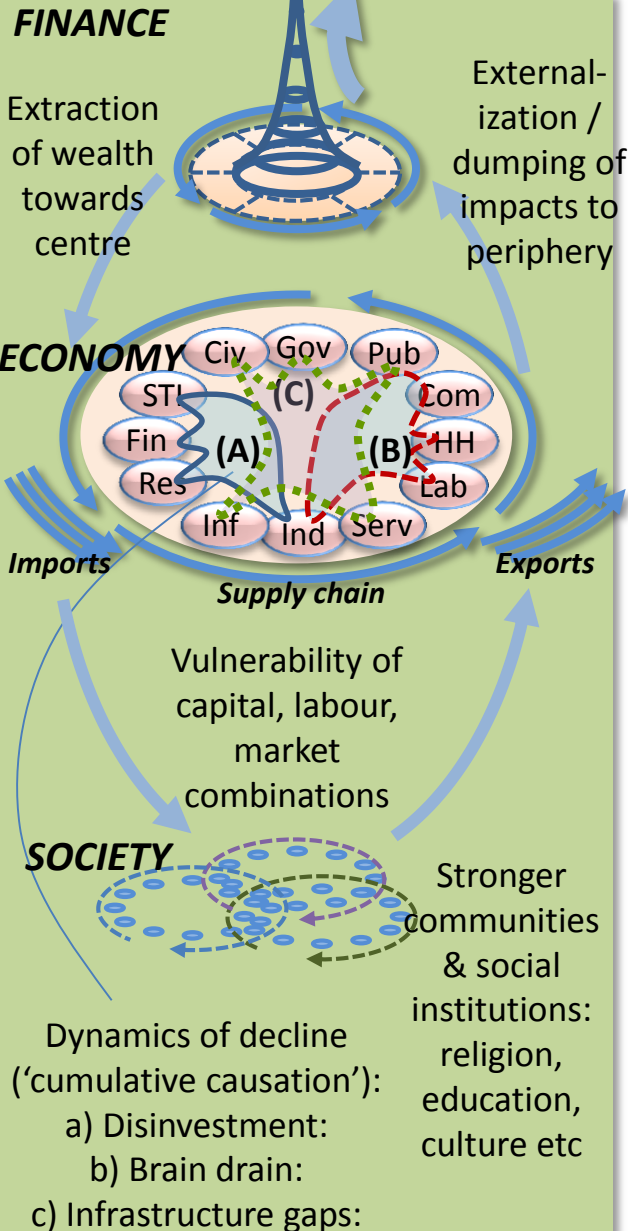
Creative exchange of visitors & residents

Blue economy, eco-tourism, niche pharma / bio-tech

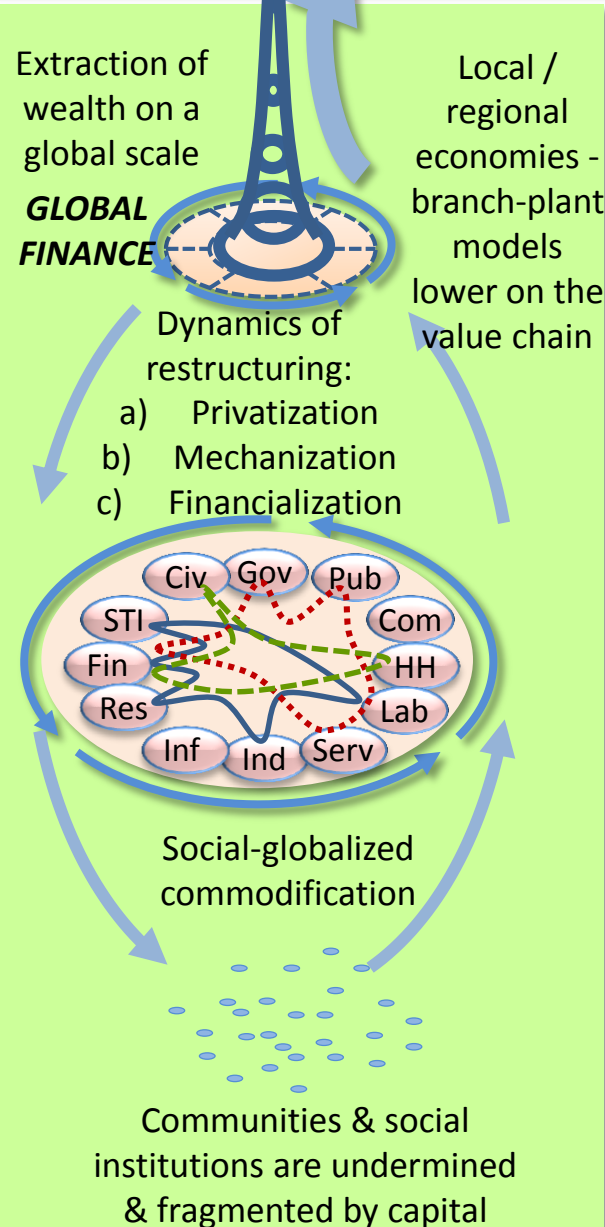


LOCAL-ONOMICS-III

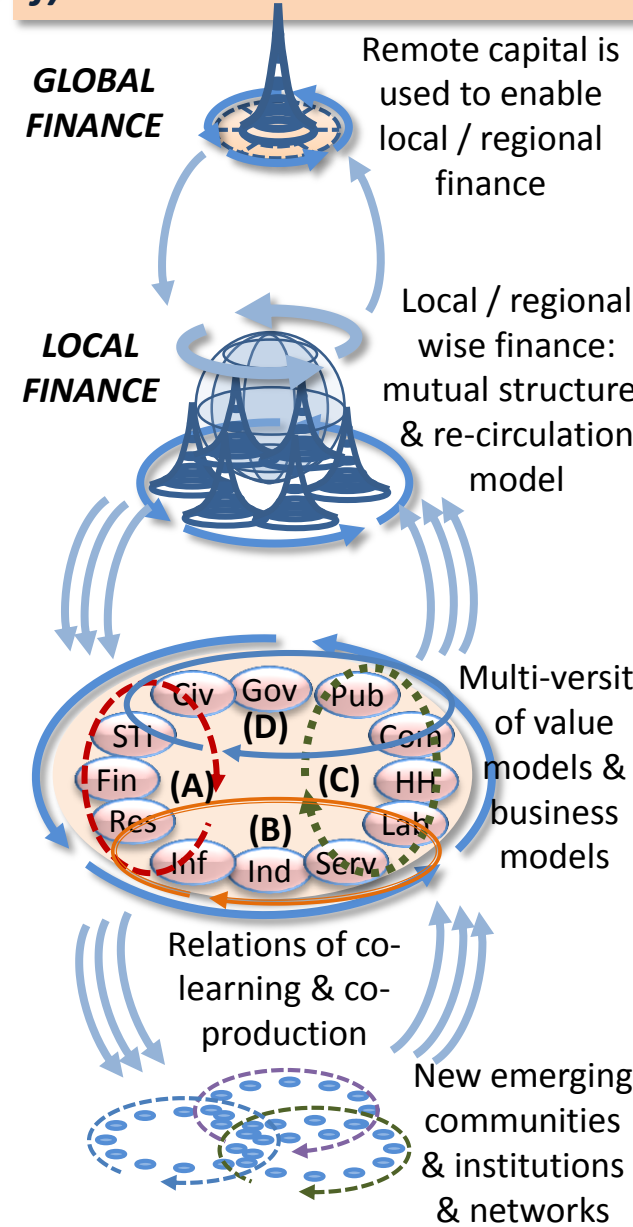
d) LINEAR CITY-I



e) EVOLUTIONARY CITY-II



f) CO-EVOLUTIONARY CITY-III



EXAMPLE – ‘ECO-AGRI-CULTURE-VISITOR-INNO-EDUCATION’

Example: Todmorden, West Yorkshire - www.Incredibleediblenetwork.org

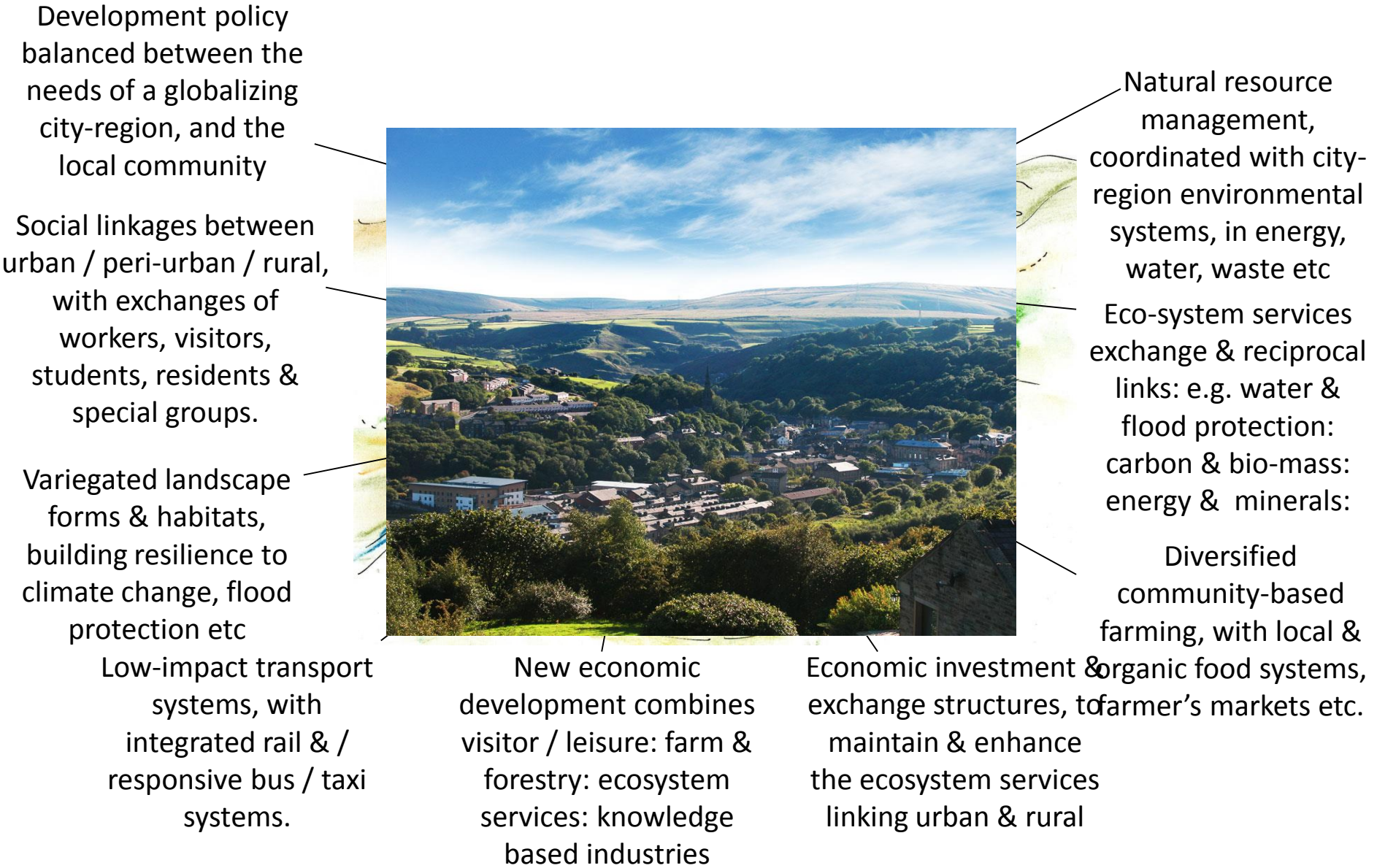
KEY FEATURES

- Extended chains of social collaboration & investment between public / private / community
- Knowledge networking, social learning, shared intelligence
- Role of leadership, policy intermediation, community hubs & gateways
- Enabling role of policy & programmes: to support & promote self-organizing diversity and



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c) What are the pathways ?? Towards the learning thinking region



CO-EVOLUTION from 'SMART' TO 'WISE'

'CLEVER' CITY-(I)

These thinking patterns are good for complicated functional problems



In our city...

Dictator-ship of the elite

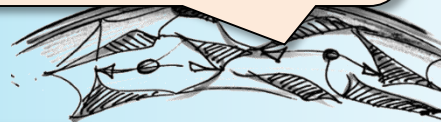


Take-make-dump industry

Local waste & depletion

'SMART' CITY-(II)

Thinking patterns are complex, self-organizing but fragile, innovative but myopic



'Managed democracy' by the elite

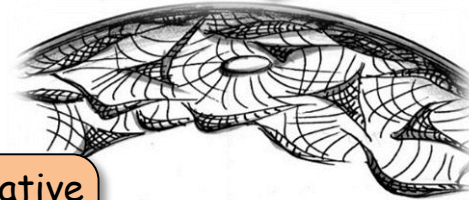


Advanced capitalist production & consumption

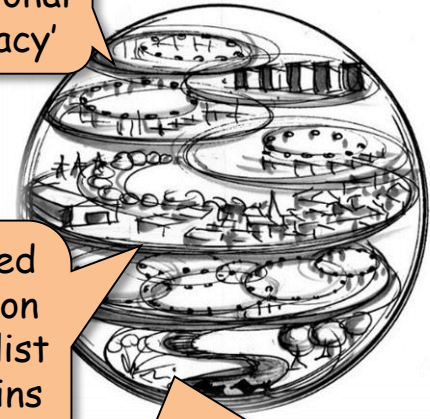
Global waste & depletion

'WISER' CITY-III

Thinking patterns show deeper complexity, self-organizing & neuro-plastic, creative & strategic



'Collaborative associational democracy'



Networked co-creation of co-opolistic value chains - social, eco, cultural etc

Recircular resources & eco-systems



Most of our problems are complex & many-layered

- But most policy is simple & mono-functional...

- Business is a force for enterprise & innovation -
- But most smart business is self-serving & profit-seeking

- We need to look beyond smart
- We need some kind of collective intelligence for the pathways from smart to 'wise'

SUMMARY & SELF-EVALUATION

	<i>Linear Growth (Mode-I)</i>	<i>Evolutionary (Mode-II)</i>	<i>Co-evolutionary (Mode-III)</i>
	‘CLEVER’: (complex)	‘SMART’: (emergent complexity)	‘WISE’: (cognitive complexity)
CLEAN-RESILIENT			
Resource economy	Take-make-dump model	Smart manufacturing	Integrated circular economics
Eco-resilience	Mono-functional	Multi-functional	Integrated learning
INCLUSION / EQUALITY			
Public services	Industrial provision	Competition & markets	Intelligent co-production
Inequality-corruption	Fixed hierarchies	Extractive incentives	Recirculatory exchanges
ECONOMIC GROWTH			
Local economy	City as machine	City as jungle	Collaborative value chains
Prosperity model	Material growth	Innovation, competition	Wider & deeper prosperities

SYNERGISTIC PROCESS TOOLS

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'?

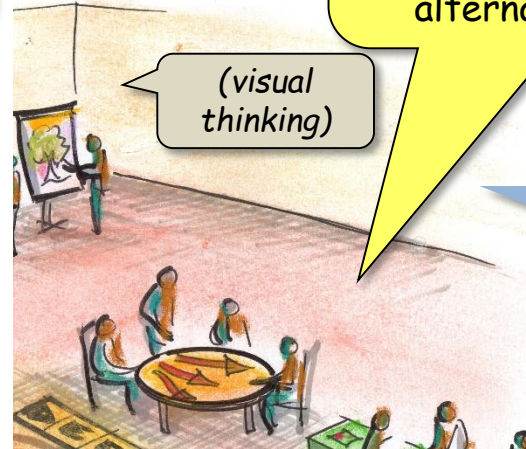


2) 'SCENARIO MAPPING'

looks at future trends, dynamics, alternative scenarios

(visual thinking)

& specialist resources)



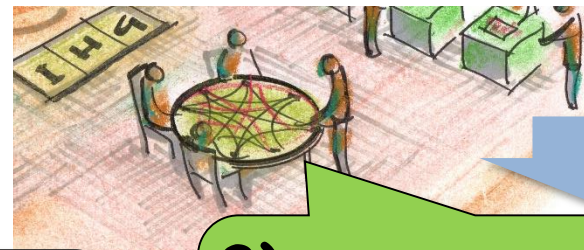
4) 'PATHWAY / STRATEGY'

- 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



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

MIND-LAB / COLLABORATORIUM - III

...like a garden of forking paths & inter-connecting thoughts

a) SPACES, FLOWS, STONES

KNOWLEDGE FLOWS:

Deeper-minds, wider-views, further insights, looking beyond....

THINKING SPACES:

material & human
architecture: opening minds,
moving hearts, lifting souls

ACTIVITY FLOWS

- Round tables & resource libraries:
- Trend analysis, prospects, outlooks:
- Visioning, syn-labs, transitioning:
- Local pathways, strategy, capacity:

HUMAN FLOWS:

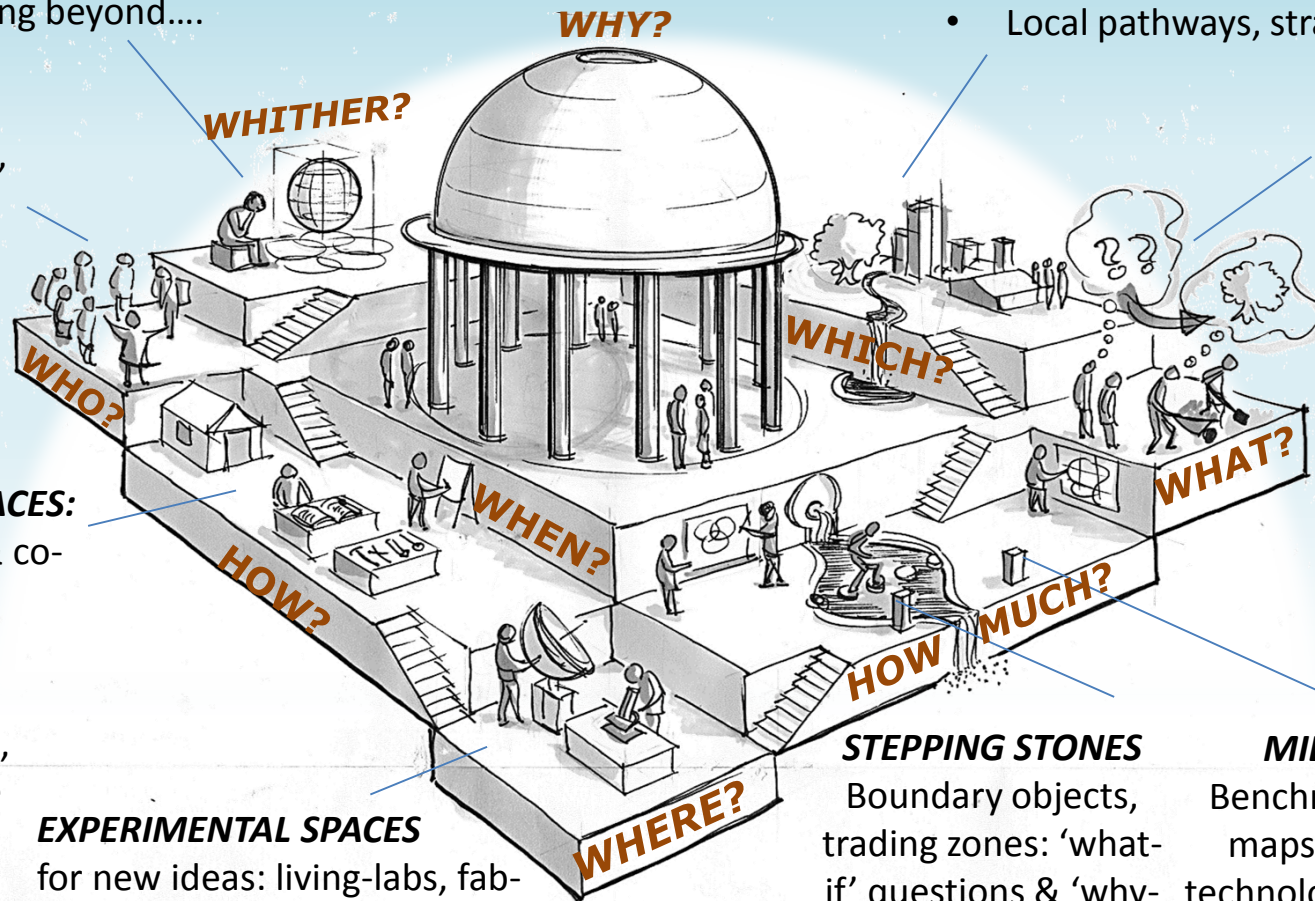
Shared leadership,
inclusive participation, mutual
learning, skeptical
enquiry

INNOVATION SPACES:

for co-learning & co-
designing:
physical space,
financial space,
knowledge space,
technology space

EXPERIMENTAL SPACES

for new ideas: living-labs, fab-
labs, future-labs, GO-labs, city-
labs, deeper-mind-labs



KEY-STONES

system analysis:
resilience under
change:
co-design
thinking:
strategy for
transition &
'pathways from
smart to wise'

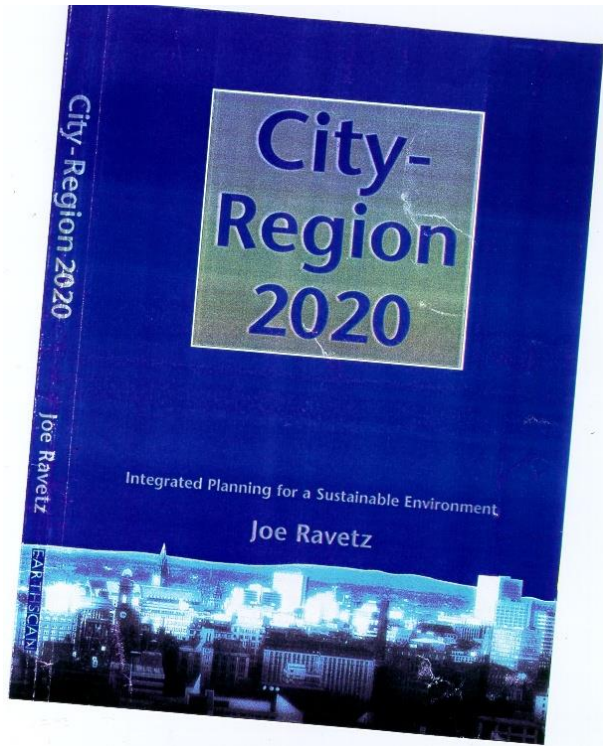
STEPPING STONES

Boundary objects,
trading zones: 'what-
if' questions & 'why-
not' propositions

MILE-STONES

Benchmarks & road-
maps: for society,
technology, economics,
environ, policy, culture

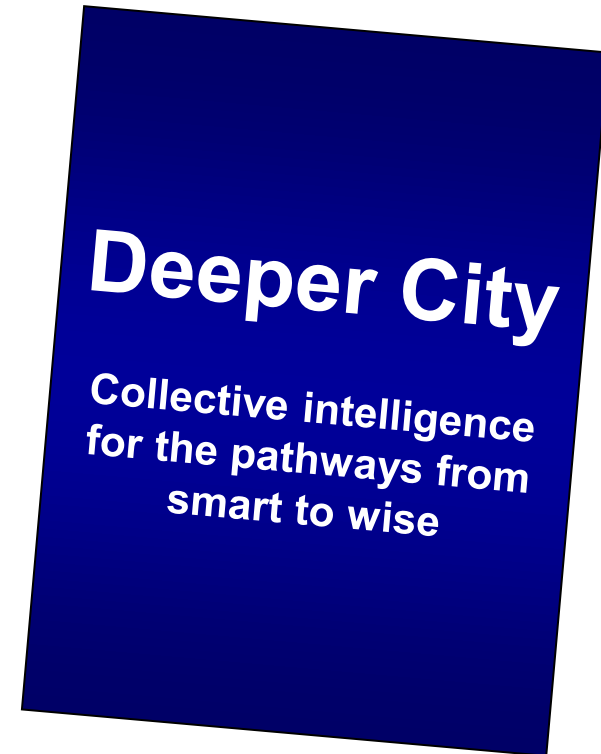
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