(Figure 2-x: frontispiece - untitled)

THINK–ONOMICS–III

Figure 2-1

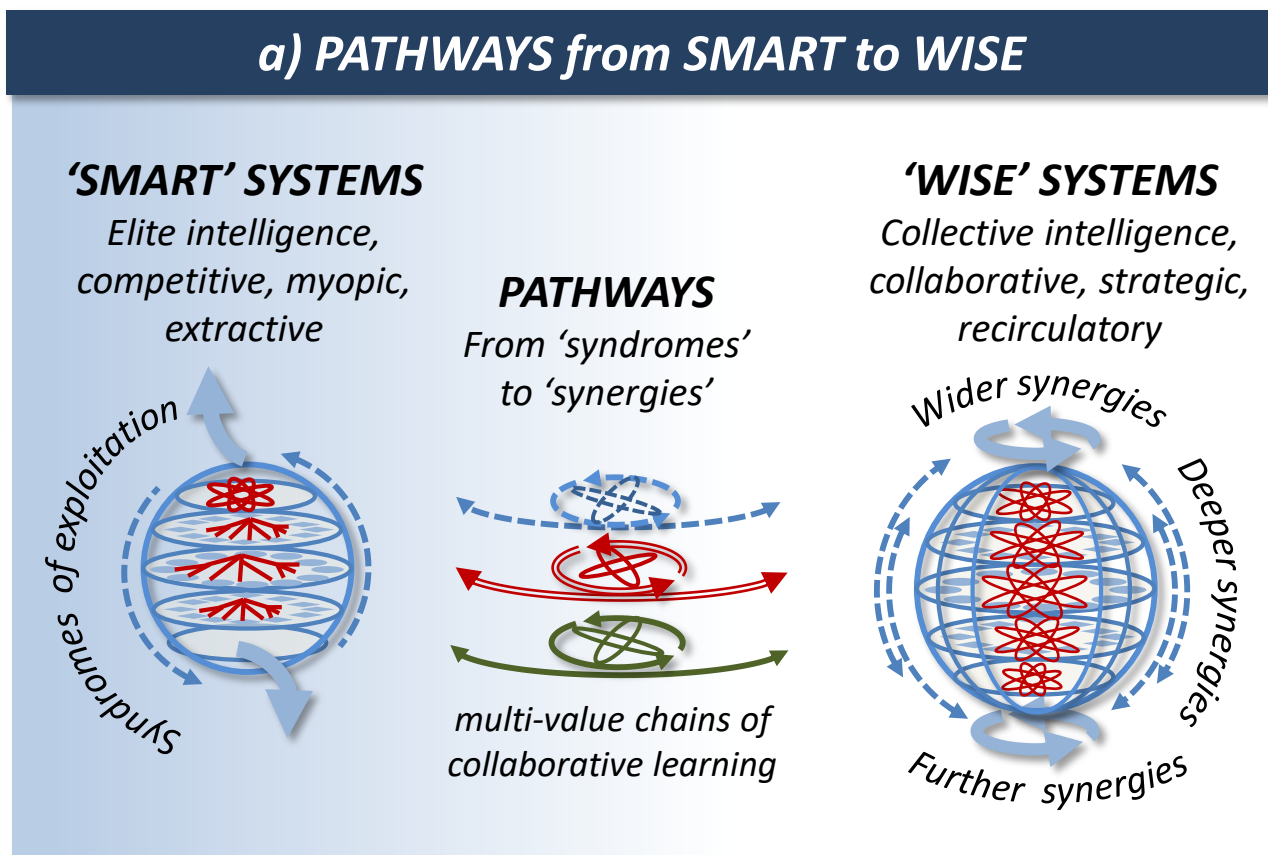*Overview of 'pathways from smart to wise', in cities, economies, environments, technologies, governance*

Our city's problems are deeply complex...

...while our policy is *'clever'* but simple

....and business is *'smart'* but myopic

So we need a *'wiser'* kind of collective intelligence

And then we map the pathways *'from smart to wise'*

a) PATHWAYS from SMART to WISE

'SMART' SYSTEMS
Elite intelligence, competitive, myopic, extractive

PATHWAYS
From 'syndromes' to 'synergies'

'WISE' SYSTEMS
Collective intelligence, collaborative, strategic, recirculatory

Syndromes of exploitation

Wider synergies

Deeper synergies

Further synergies

multi-value chains of collaborative learning

b) 'CLEVER' THINKING–I

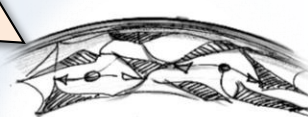Clever thinking works for functional problems

Simple dictatorship & smoke-stack industry

c) 'SMART' THINKING–II

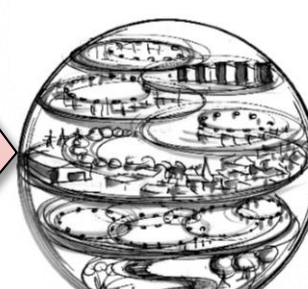Smart thinking is creative but fragile & myopic

Elite democracy & advanced production & consumption

d) 'WISER' THINKING–III

Wiser thinking is networked for deeper complexity

Networked democracy & co-creation of social, eco, cultural value
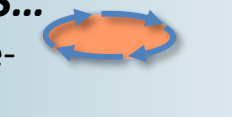
e) LINEAR SYSTEMS–I

CITIES...
mono-use & machine scale

ECONOMIES...
industrial take-make-dump

ECOLOGIES...
local extraction & pollution

TECHNOLOGIES...
functional single-loop learning

POLITICALS...
command & control

f) EVOLUTIONARY–II

...mono-use & extractive

...speculative take-make-dump

...global extraction & pollution

...smarter double-loops

Governance by & for elites

g) CO-EVOLUTIONARY–III

...multi-use & human scale

...collaborative & recirculatory

...local-global recirculation & stewardship

...*wiser* multi-loop learning & thinking

Co-governance by & for community

Figure 2-2

NEXUS–CONNEXUS

Grand challenges & transformations, from a 'nexus' of syndromes, to a 'connexus' of synergies
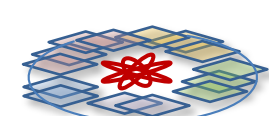
a) GEO-POLITICAL-ECONOMY NEXUS

Challenges & syndromes

'Deeper threat multipliers' lead to multiple breakdowns

- Crime & corruption
- Geo-political conflict
- Financial
- Bio-tech
- Informatics
- Failed states

Opportunities & synergies
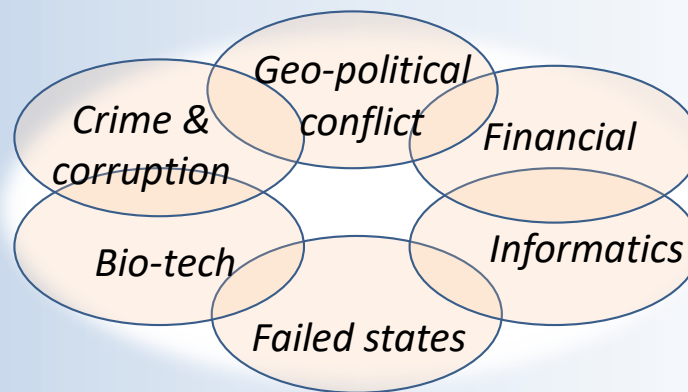
Hyper-digital lifestyles & experience

b) SOCIO-CULTURAL NEXUS

Rampant inequality feeds violence

Migration, extremism, intolerance

- Population
- Ageing & gender
- Inequality
- Mental health
- Migration
- Livelihoods

Bio-tech & trans-humanism

Ageing & social transform-ation
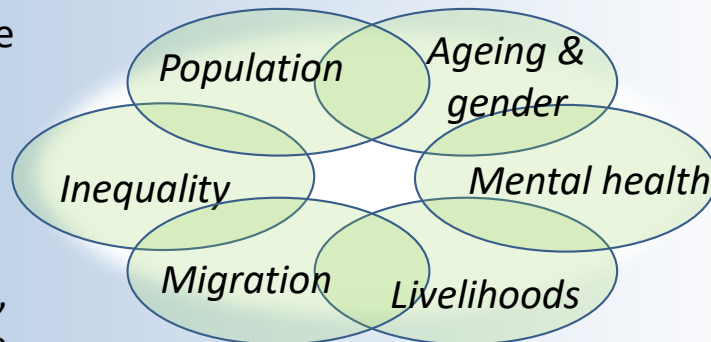
c) BIO-SPHERIC NEXUS

Climate & eco-footprint projections

Climate chaos of 2 / 4 / 6 degrees

- Climate
- Energy
- Food
- Resources
- Biodiversity
- Water
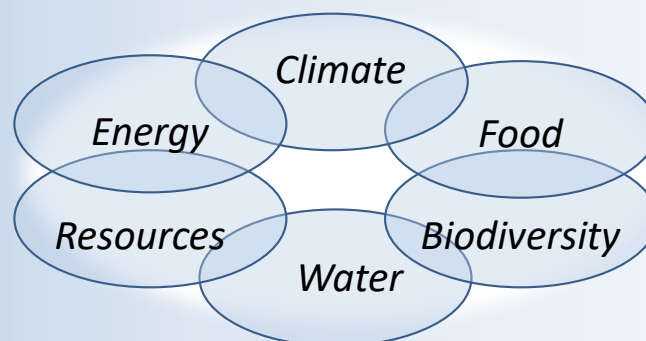
Climate & eco-footprint transitions
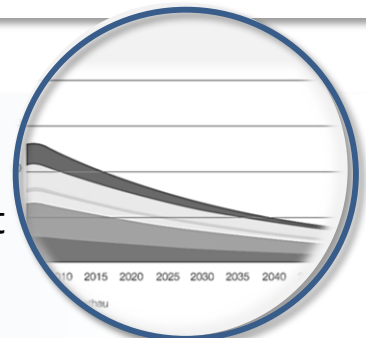
Food / energy / water integrated systems

d) COGNITIVE NEXUS

Cities as frontiers & flashpoints

Total hyper-connectivity & elite control

- Cultural
- Social
- Political
- Spatial
- Technology
- Environ-mental
- Economic

(the definition of all the circles here is not fixed & depends on issues to be addressed)
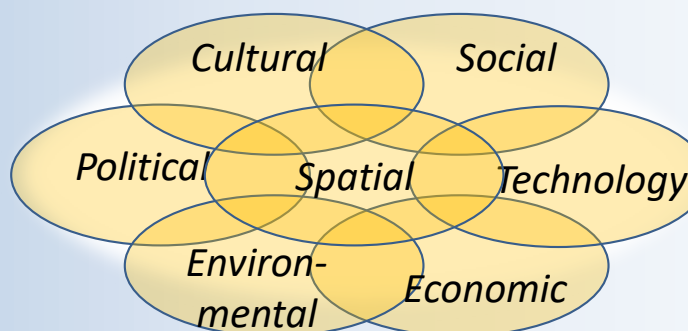
CHAI (Collective Human - Artificial Intelligence}

Psycho-cultural actualization

Figure 2-3

CITY-STATE-PLANET

Outline of case studies on three levels: city-region, city-state, city-planet

a) POST-INDUSTRIAL CITY-REGION

'Manchester' / 'MCR' (incl. Greater Manchester population 2.7 million)

Manchester, historic hub of revolution: industrial, political, digital, cultural

Metropolitan knowledge economy, sport, culture

Inner areas of decline, outer areas of affluence

Hinterland farming (south & west): low hills (north & east).

LANCASHIRE
SOUTH PENNINES
GREATER MANCHESTER
WEST YORKSHIRE
LIVERPOOL
PEAK DISTRICT
AIRPORT
CHESHIRE

Manchester as work in progress...

Science-tech innovation in park & campus:

Socio-cultural innovation in the neighbourhood:

Eco-social innovation in the hills & woodlands:

Policy innovation: 'Devo-Manc', low carbon, "inclusive growth", 'Wigan model'

b) POST-COLONIAL CITY-STATE

UK – urbanized island nation in 4 parts, population ~60 million
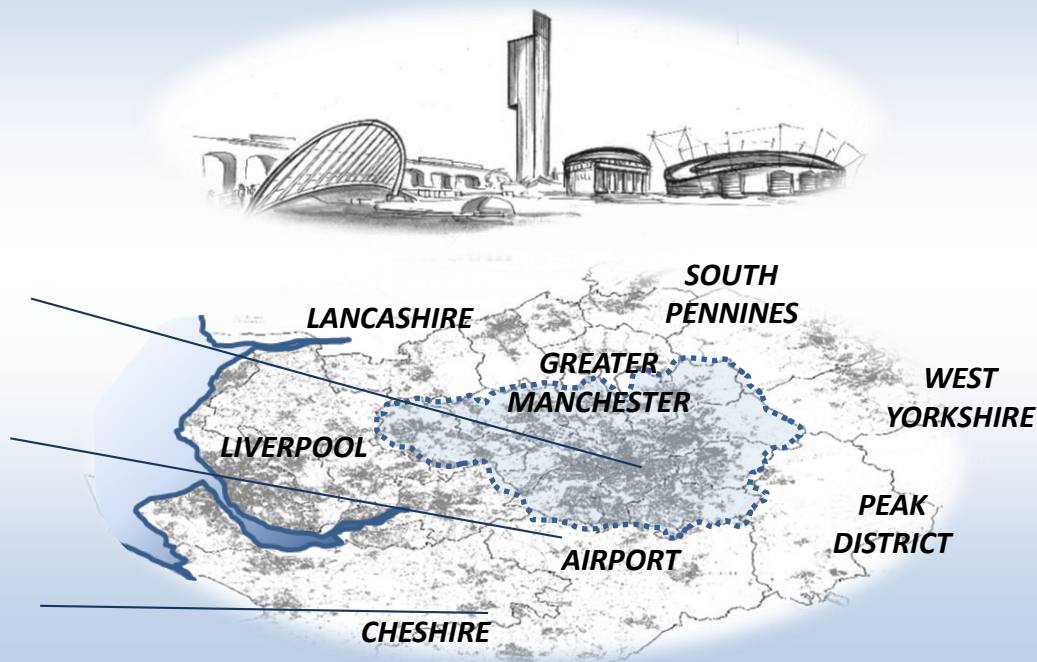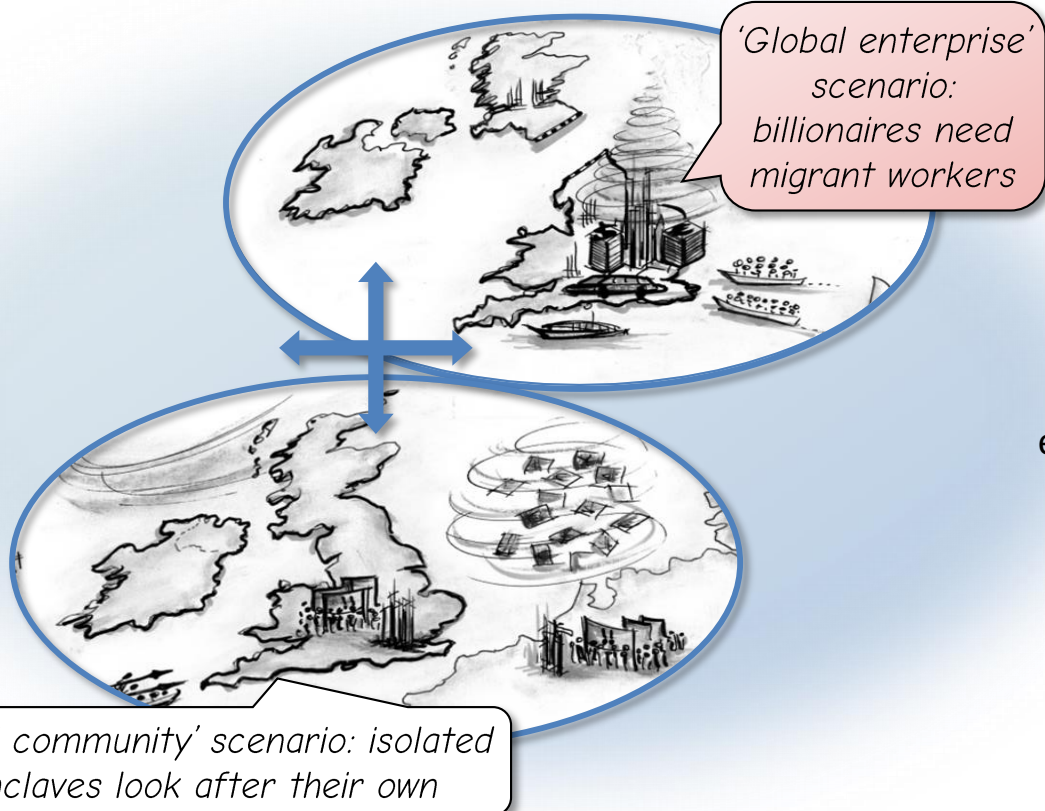
Scotland, Wales & Northern Ireland, natural resources, poverty, culture...

Post-industrial 'rust-belts', renewal and/or obsolescence

English 'shire counties', wealth & poverty, farming & leisure

London, the global citadel with its hinterland

'Global enterprise' scenario: billionaires need migrant workers

'Local community' scenario: isolated enclaves look after their own
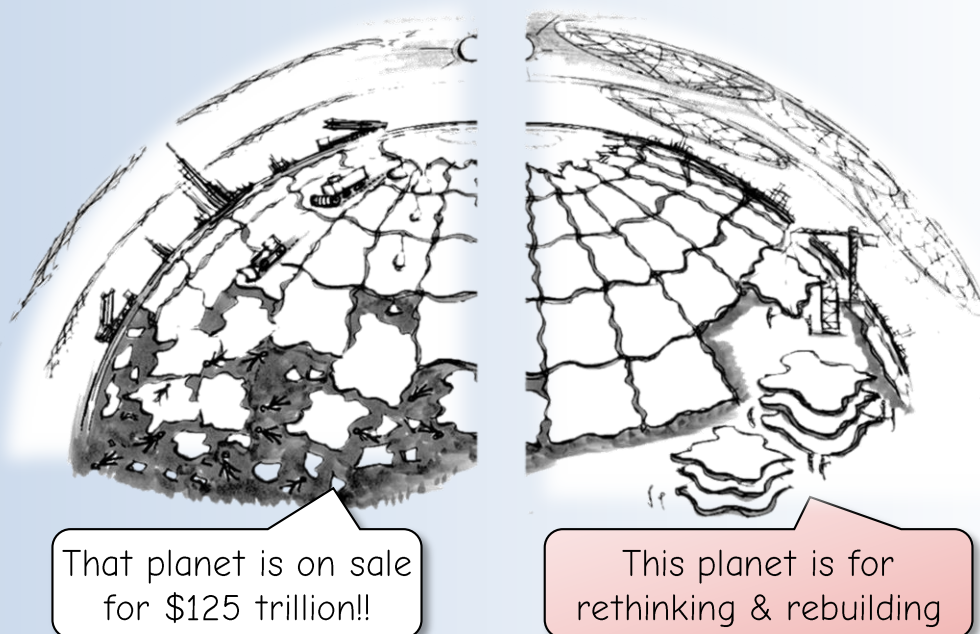
UK as work in progress...

With pros – mature economy, multi-cultural society, green environment, post-colonial soft power

... and cons – class hierarchy, stagnant economy, hostile welfare state, financial hijack, and deeper divisions...

- Metro / provincial
- Younger / older
- Skilled / unskilled
- Secure / precarious

c) POST-EVOLUTIONARY CITY-PLANET

Earth – a small watery urbanizing planet, population 7-10 billion

3 smart / unsmart global systems:

Finance has evolved for predatory extraction.

Informatics is hijacked by dark power & money.

Production for profit by addictive materialism.

Also many **deeper threat multipliers** – climate, digital, bio-tech, mental illness, extremism, nationalism...

That planet is on sale for $125 trillion!!

This planet is for rethinking & rebuilding

Earth as work in progress...

Evolutionary history points to a *'Gaia Hypothesis'*

Co-evolutionary prospects point to an *'Athena Hypothesis'*

So humans now have a choice –

'co-destruction' - or - 'co-evolution'