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#### <sup>2014</sup> Life's work: The kinds Of growth we need Thackara, John

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## Systems Oriented Design Oslo, 16 October 2014

# LIFE'S WORK From doing less harm, to leaving things better

# @johnthackara



Doing less harm
 Leaving things better
 Unprincipled designing



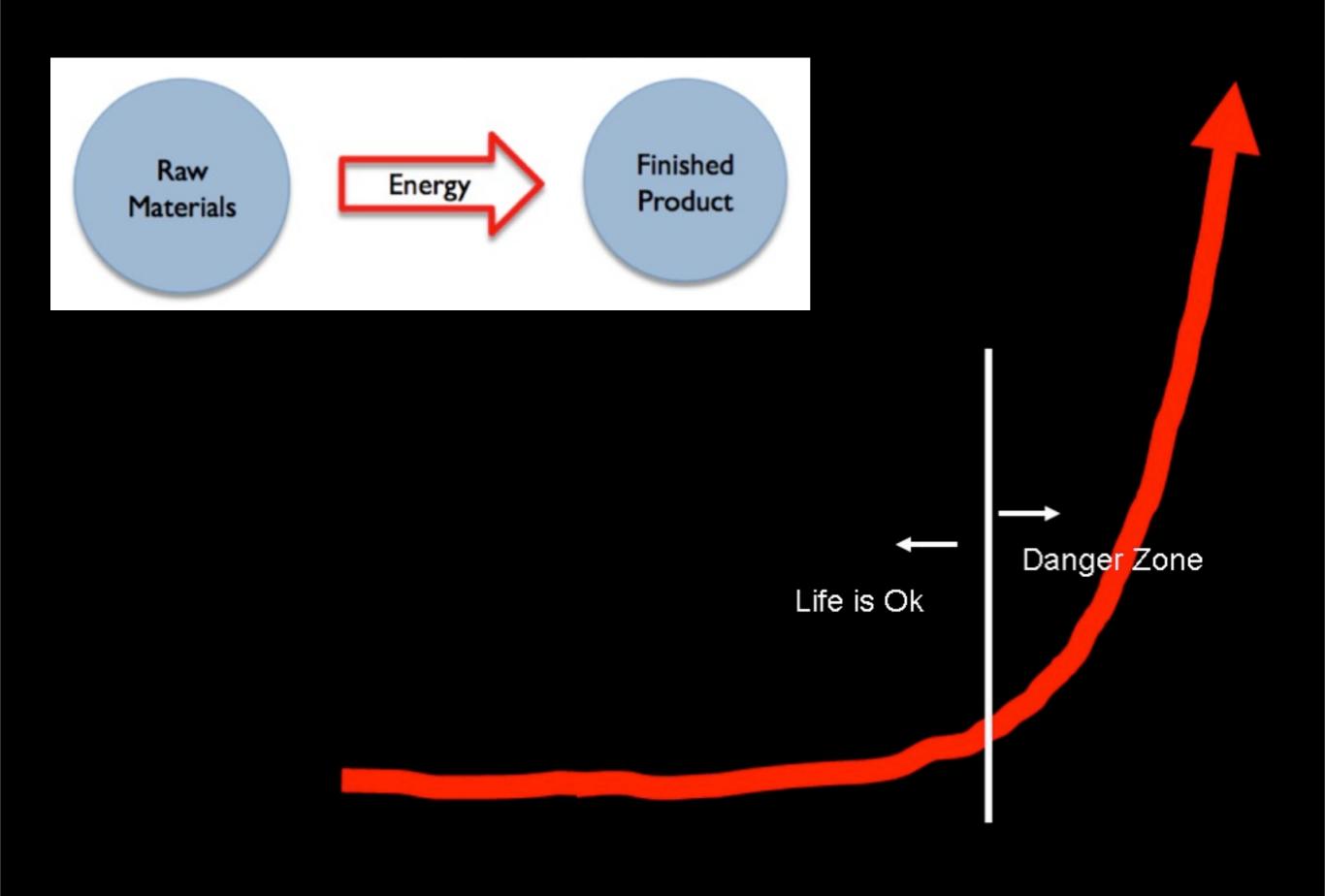


# Doing less harm Leaving things better Unprincipled design





# "growth"



# "developing"

x 60

Saturday, 14 March 15

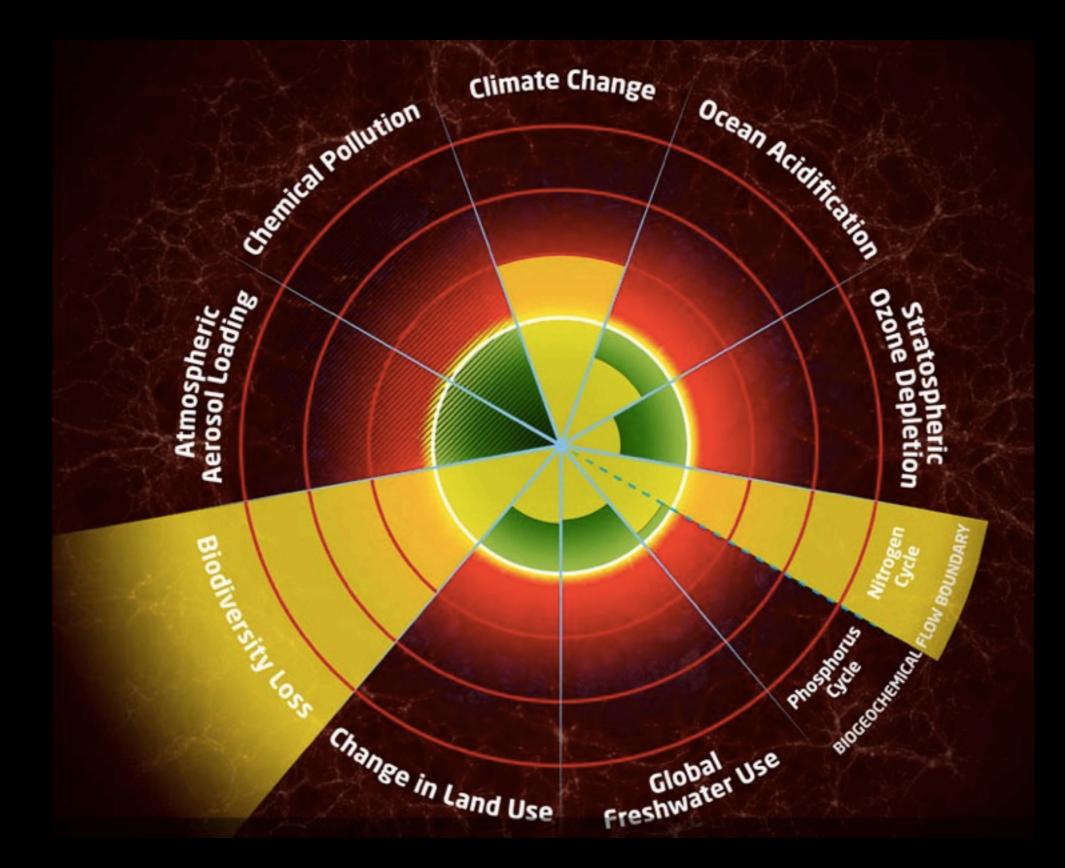
One

# "developing"





# "resilience"



#### **Stockholm Resilience Centre**

# metabolic rift

# there's good news, too !

# good news #1

# "the ecological catastrophe has already occurred"

(Tim Morton, Ecology Without Nature)

# good news #2

# transformational phase shifts are not necessarily a bad thing

"no new buildings, power stations or hard infrastructure after 2020"



#### **Flagship Report**

World in Transition A Social Contract for Sustainability



"A global transformation of values has already begun...a more sustainable society would be welcomed by a significant part of world society"

# CATAGENESIS

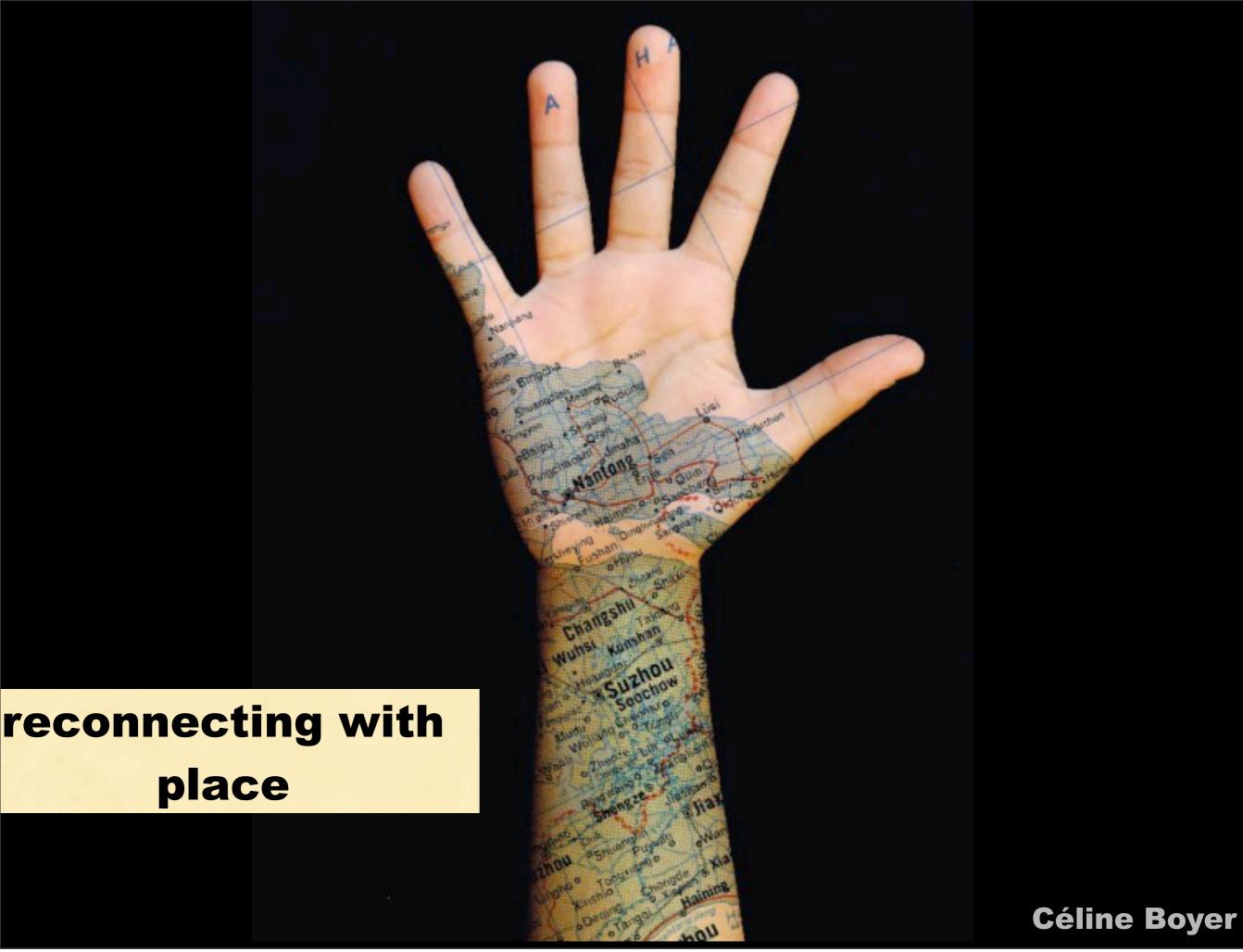
"renewal through reversion to a simpler state - followed by the emergence of a novel form of society"

"The Upside of Down"

Doing less harm
 Leaving things better
 Unprincipled designing



# healing the metabolic rift



## reconnecting with soils

#### reconnecting with soils



### 'the economy' > bioregioning



#### ROBERT L. THAYER, JR.

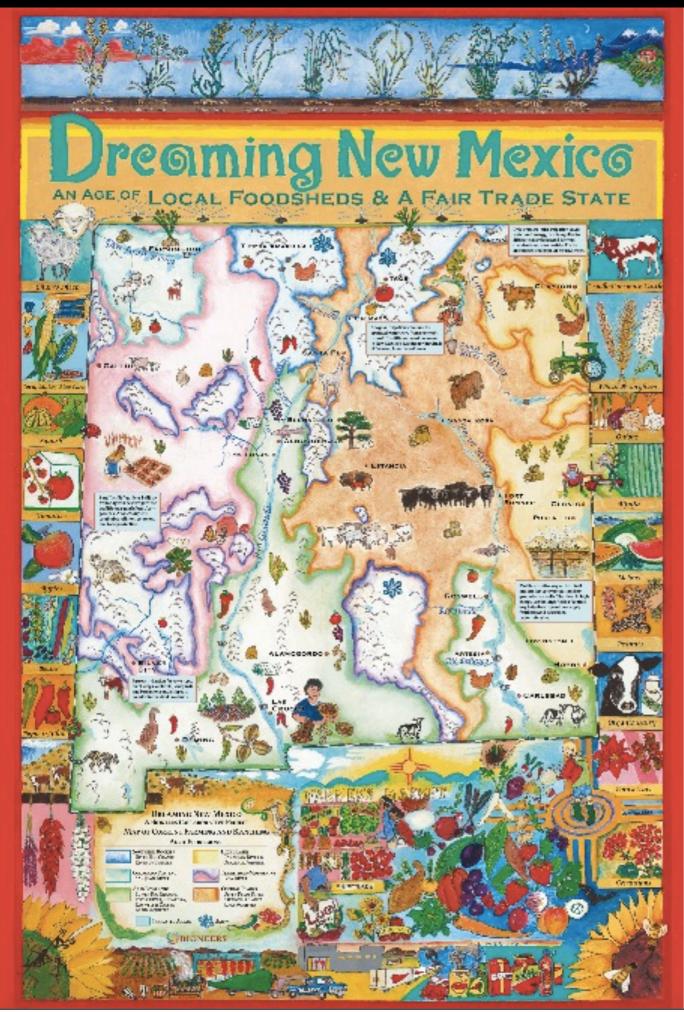


# LifePlace

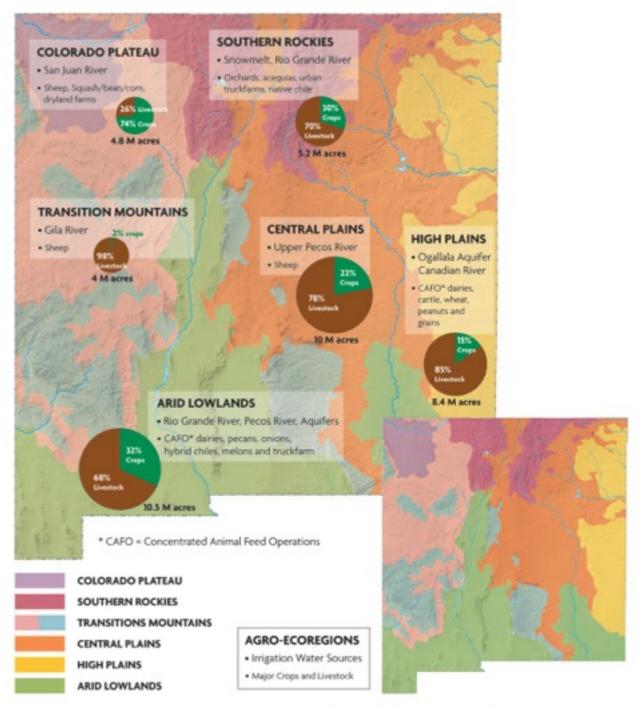
BIOREGIONAL THOUGHT AND PRACTICE

# SOIL ATLAS OF EUROPE

1



#### AGRO-ECOREGIONS



Agro-ecoregions are human-managed ecosystems: The rainfall has been modified by irrigation, the temperature by greenhouses, the soils by adding fertilizers and other amendments, and the plants are, of course, mainly crops and livestock useful to us as food, fiber and fuel. New Mexico has a long history of farming and irrigation that greatly intensified with tractors; massive dams and piping; groundwater pumping; European sheep, goats, cattle and horses; petroleum-based fertilizers and pesticides, and industrial crop breeding. Today, there are six distinct agro-ecoregions each with many micro-climates. They extend into parts of other states as well as Mexico. For each agro-ecoregion, the map lists the main sources of irrigation and most profitable crops. Look at your agro-ecoregion and what grows best within it, and see which crops/livestock could be locally raised and processed. New Mexico agro-ecoregions include the Colorado Plateau, the Southern Rockies, the High Plains, the Central Plains, the Arid Lowlands and the Transition Mountains and Plateaus.



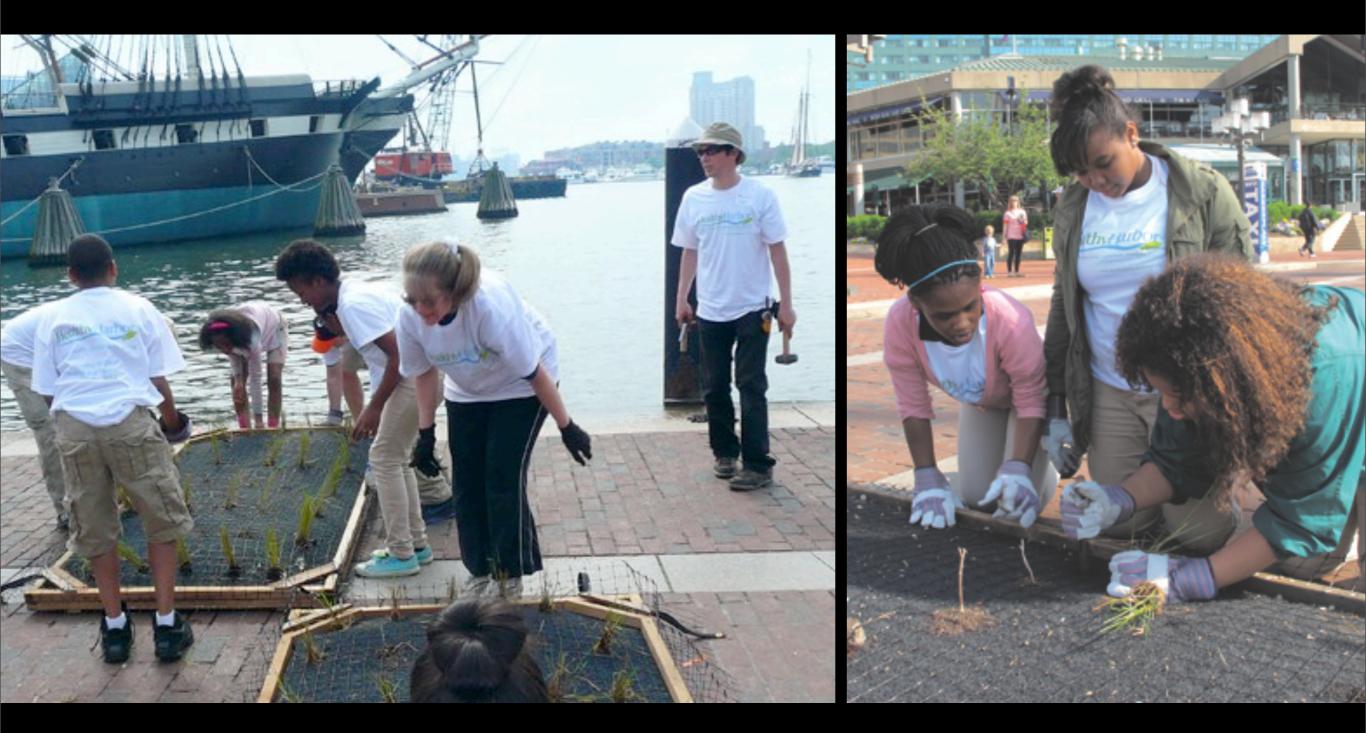
## watershed recovering (STRAW, USA)



## reconnecting with rivers (Mexico City)

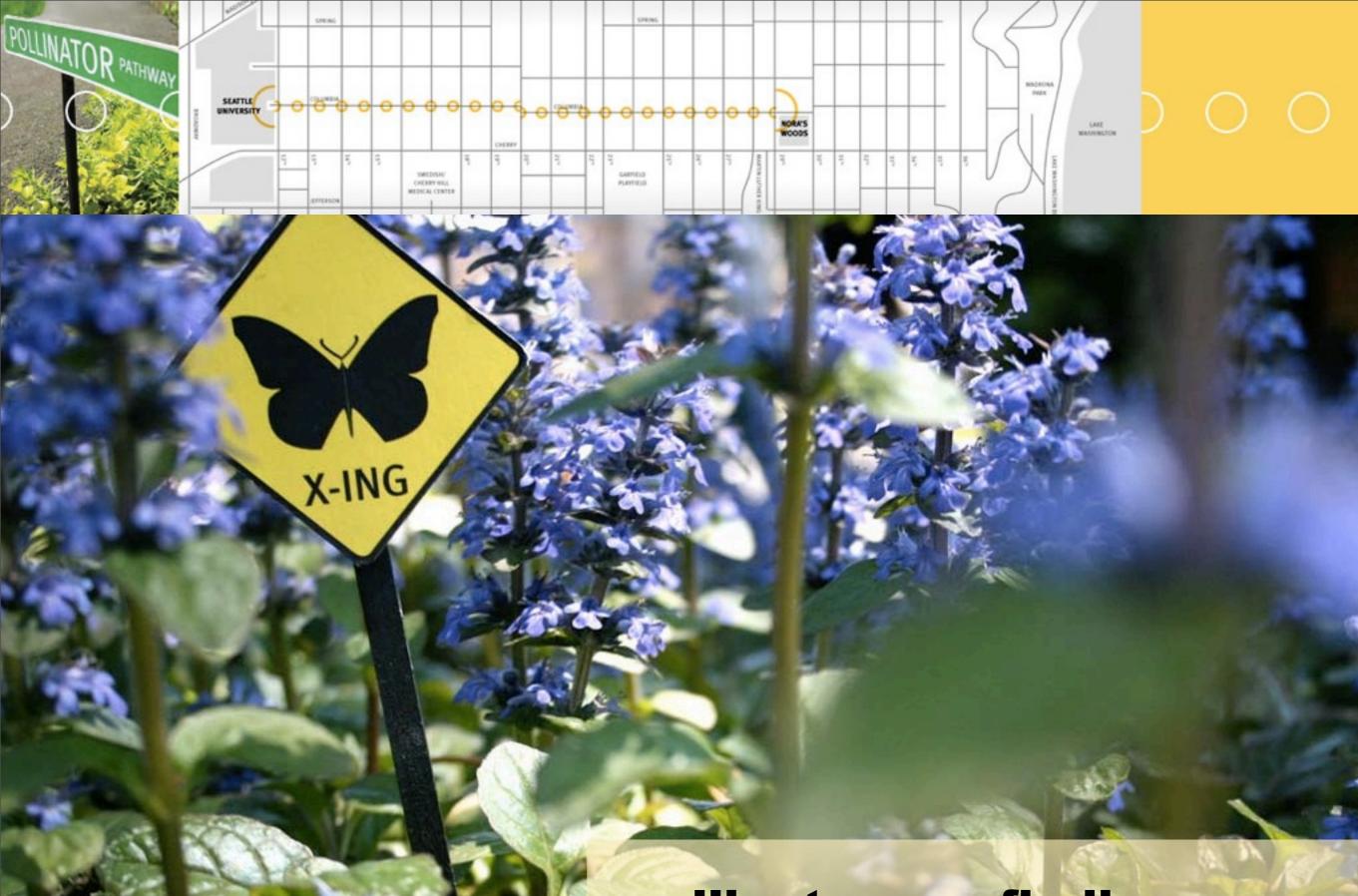






## watershed regenerating (Jamaica Bay, USA)

### farming as schooling (Yorkshire)

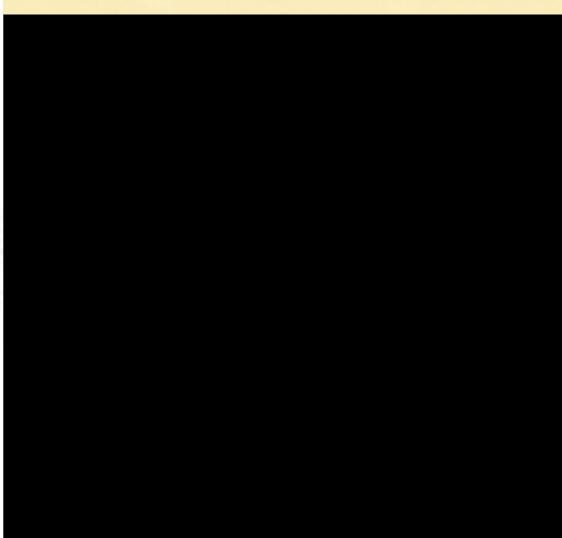


#### pollinator wayfinding (Seattle)

watershed managing (Tucson)



#### urban orcharding (Dundee)



## foodscaping (Den Haag)

(parvested)

Knoll Farms Home of Jairwa Produce Brentwood, CA 3 December 2010

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## BIODIVERSITY VS MONOCULTURE:

weeds + trills + crops + critters + soil = an integrated food web allowing biota to self-regulate = (no pesticides reeded) Nothing grows here (unless kicks heighborbays so)

growing a single crop over a vase amount of land increases the risk of fungues, disease and specialized predators, which conventional farming combats with pesticides, herbicidis and fungicides.

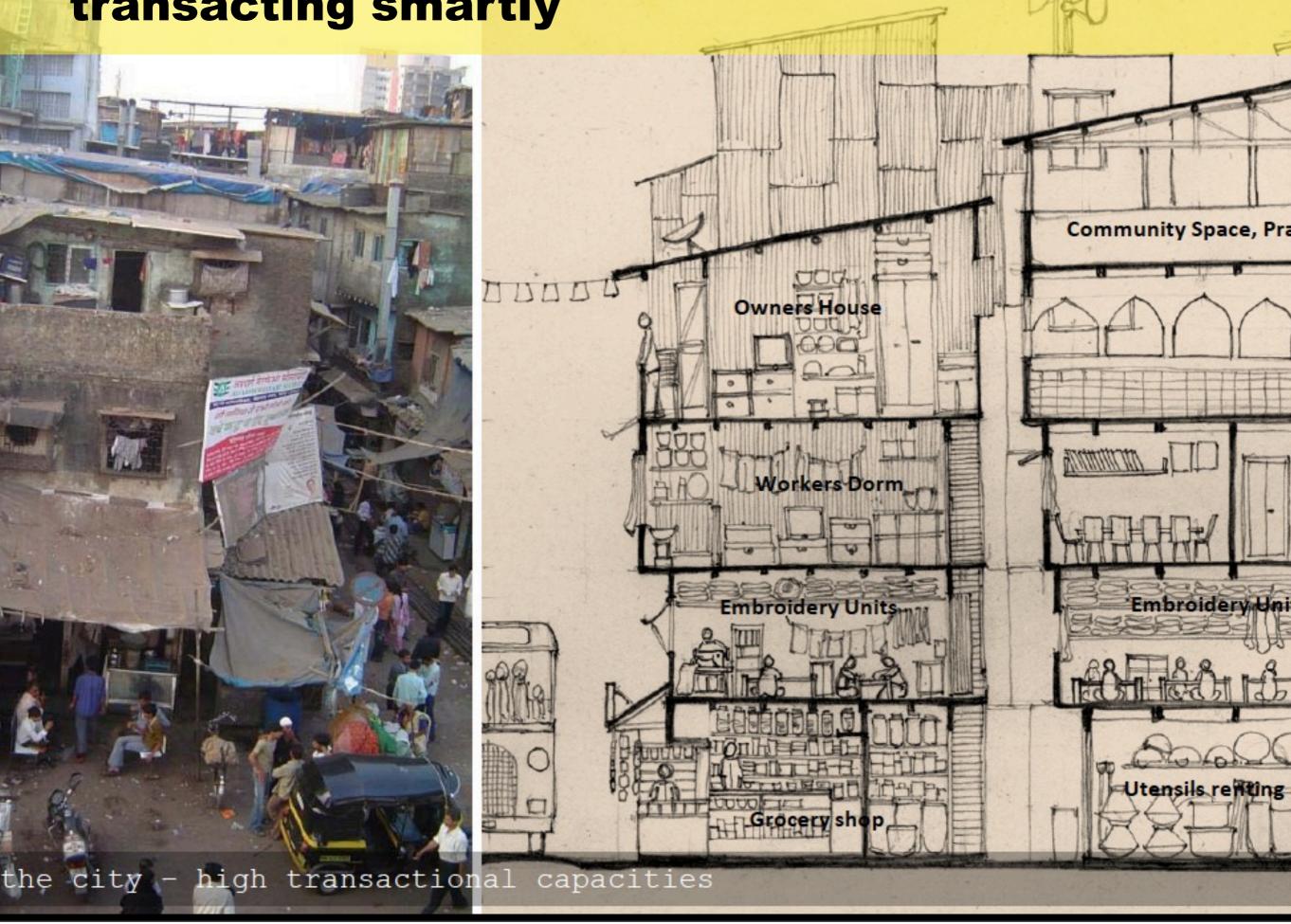


#### social innovation is everywhere



## "urbanologyjeitinho"

#### transacting smartly



#### urban acupuncturing

Le Repaire de Bacchus



#### off-grid greywater system making (Amsterdam)



## food system connecting

2

Corrigina in the

(France)



#### Community Supported Baking (Lapland)



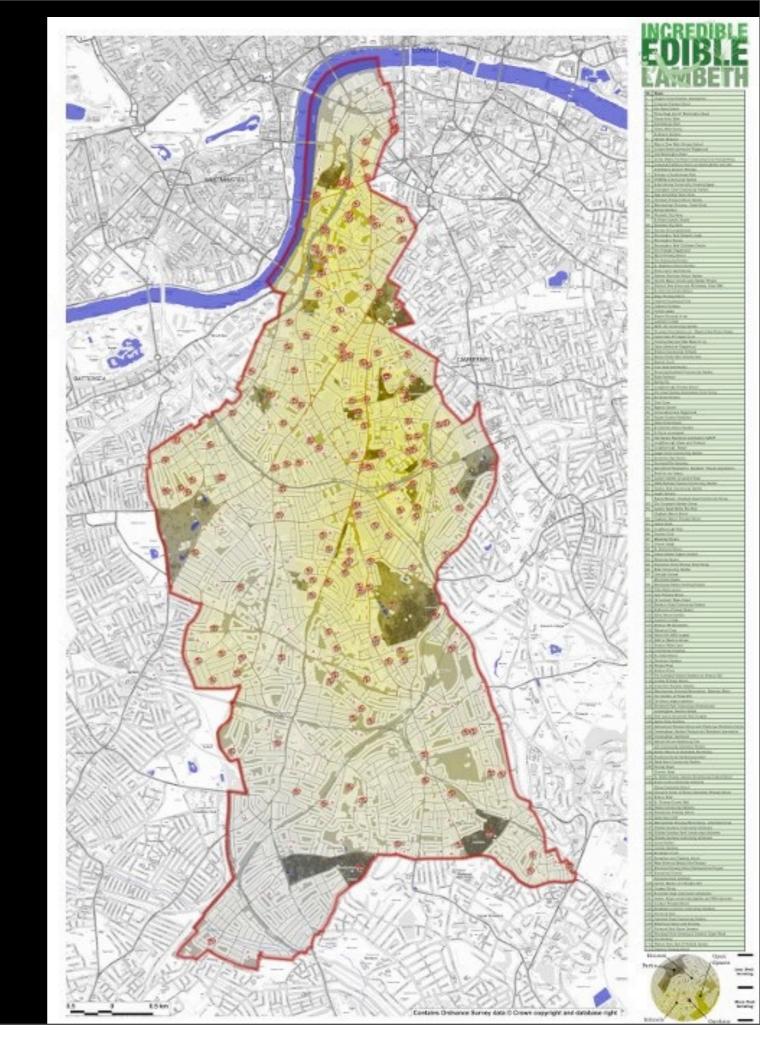
#### nomadic incubating

CRATE

London

### connecting urban dots





#### reconnecting with each other



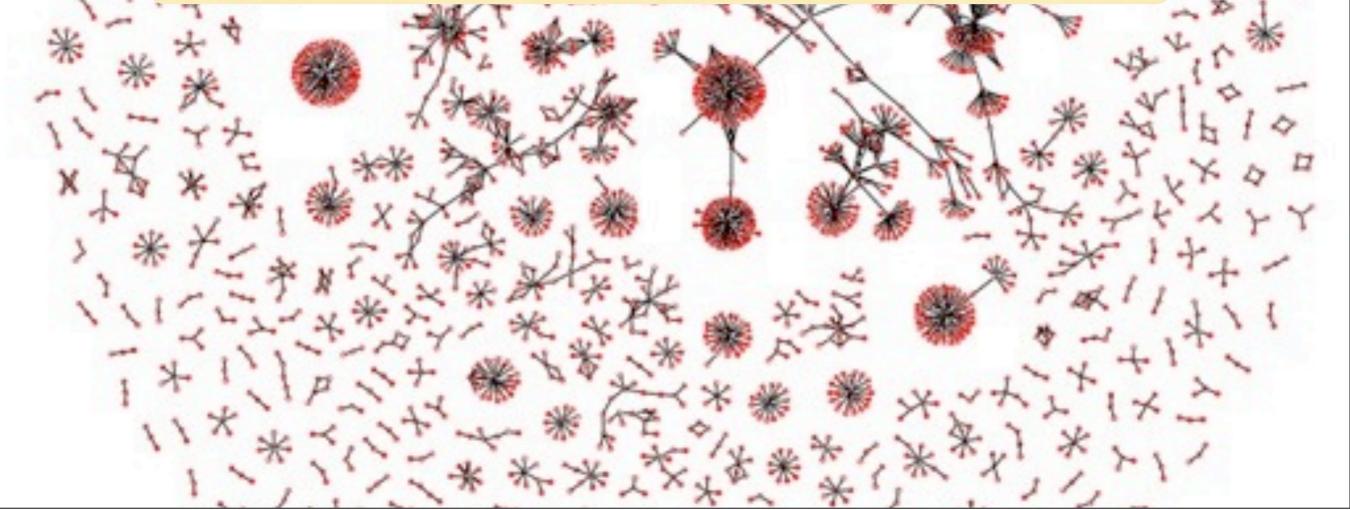


## Doing less harm Leaving things better Unprincipled designing



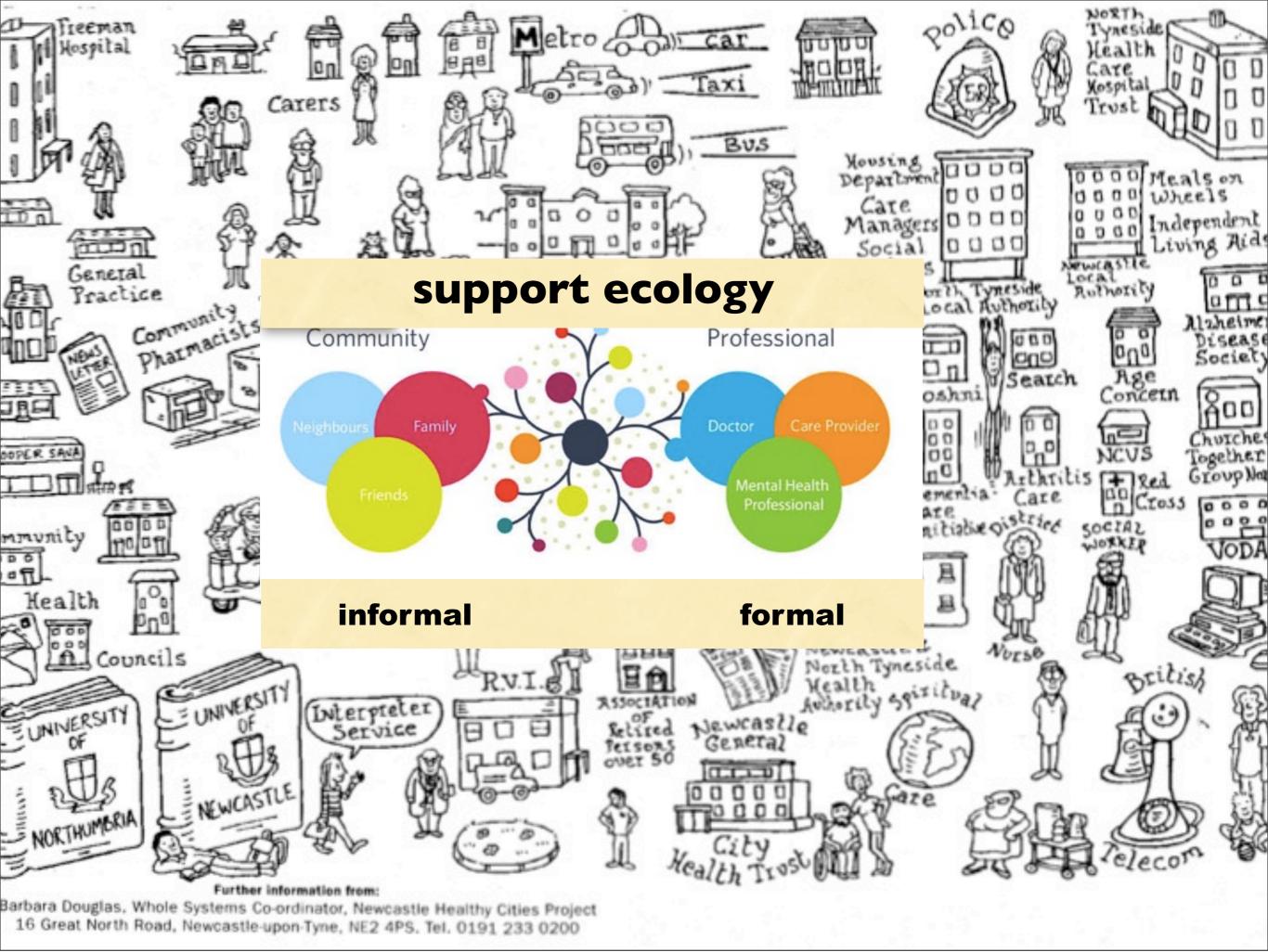
#### "models of the world are not the world"

**Ranulph Glanville** 

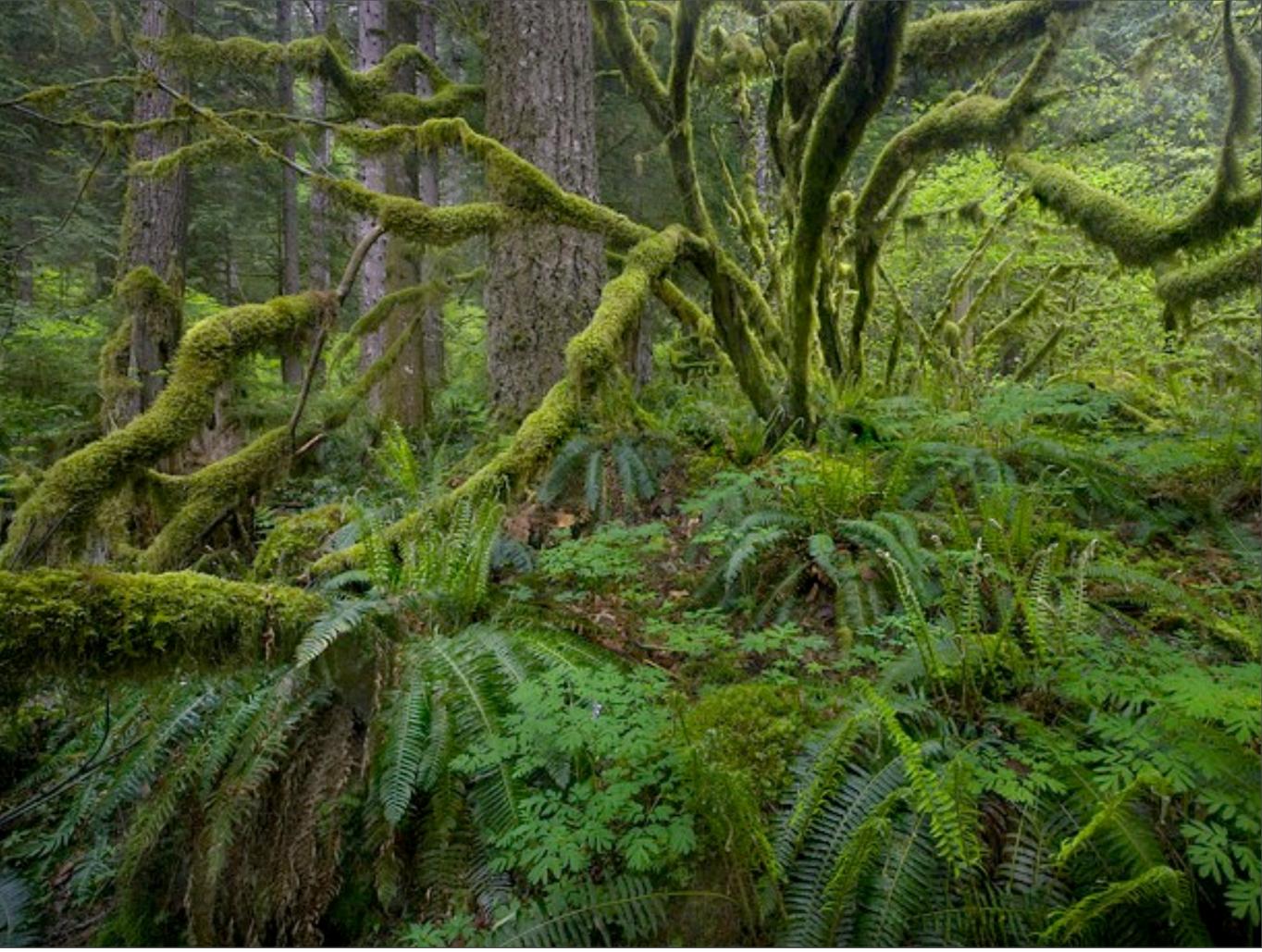




"you cannot know what it is like to be me"



system health = property of a social/ecological context
not something you 'deliver', like a pizza



#### "attending to root causes" marc rettig

"health of a socialecological system"

Ernst Haeckel, 1904



Designing like a slime mould?

#### verbs, not nouns

#### social + ecological

place-specific

diversity, not optimality

#### don't say (or think)

# "deliver" - it's not a pizza"intervene" - it's not a fight"impact" - it's not a meteorite



#### thank you

#### @johnthackara