

Science and policy at the Nexus

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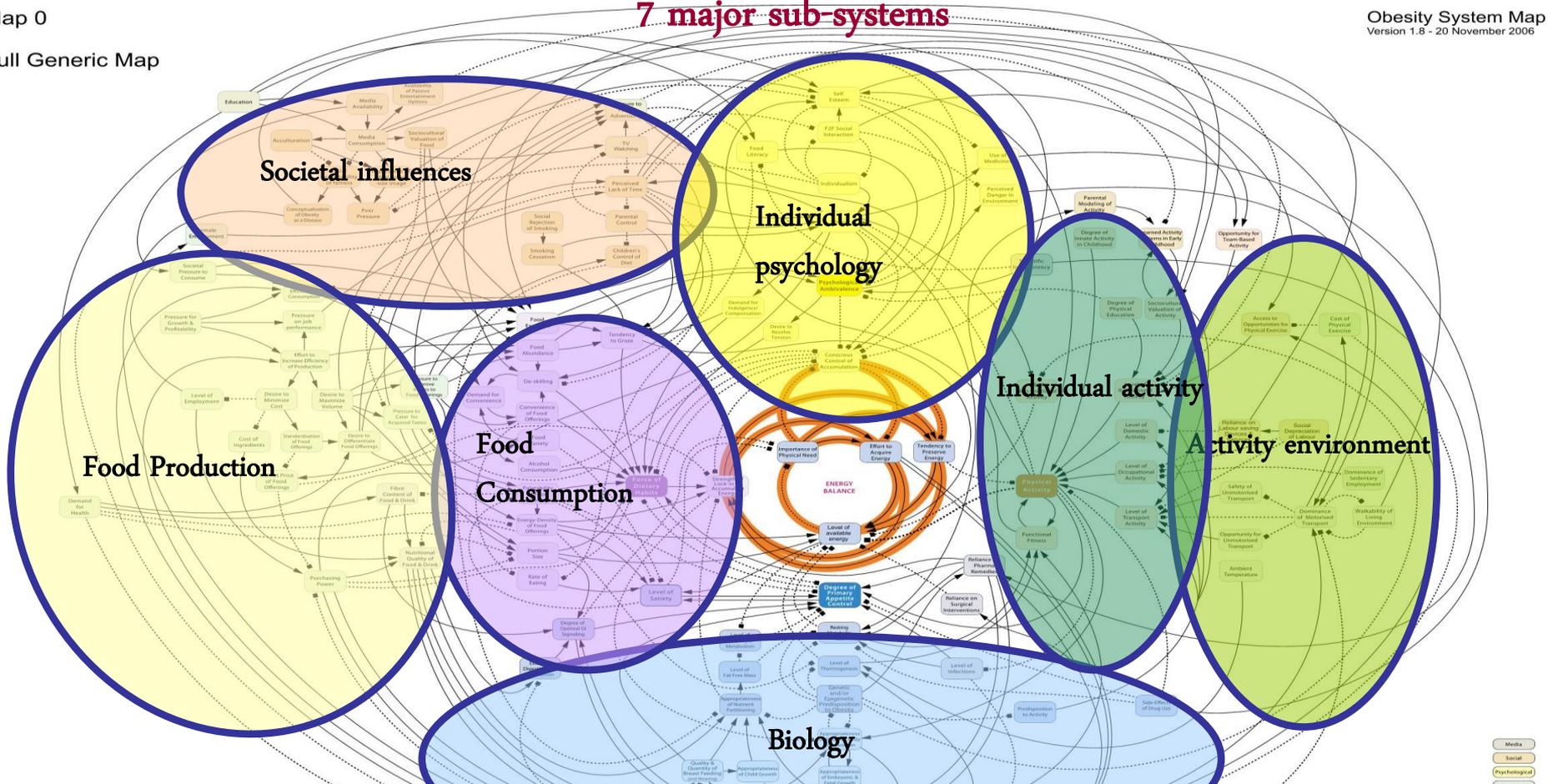
Complex systems, simpler narratives

Map 0

Full Generic Map

7 major sub-systems

Obesity System Map
Version 1.6 - 20 November 2006



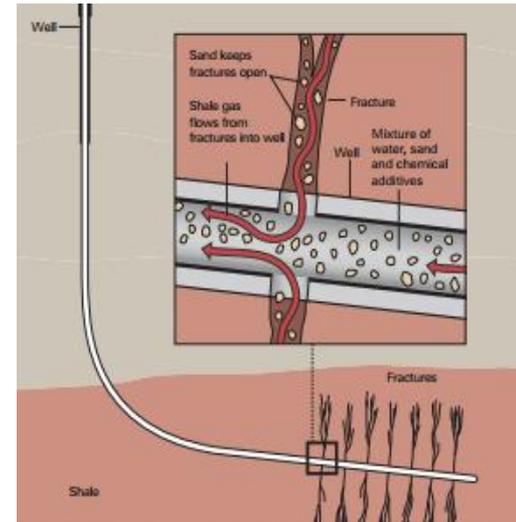
Acknowledging the stakeholder “lenses”

Hydraulic fracturing for shale gas

Technical risks: such as earthquakes and groundwater pollution?

Global energy and carbon impacts?

Local landuse and quality of life?



“Hiding the wiring” of the complexity

The Fukushima emergency

System: the nuclear power plant

System: the atmosphere and weather

System: people in Tokyo, their health and movements

A political decision, informed by expert analysis of interlocking systems: should people go or should they stay?



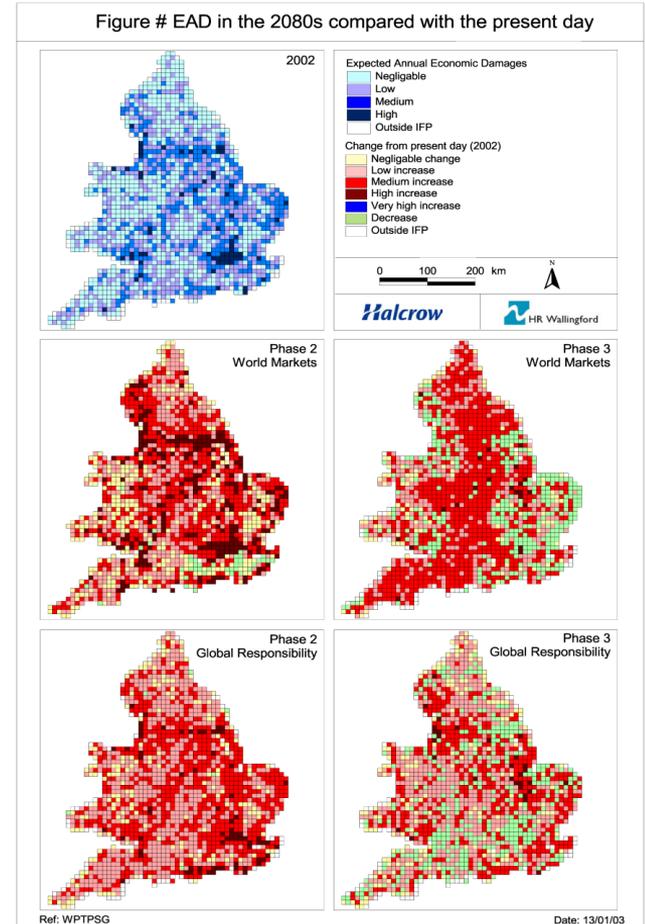
**Decisions are about
the future.....**

Foresight project scenarios of flood risk to 2080, calculated in 2004

Combined quantitative models of
climate and demography

Compelling to decision-makers.
Image still in circulation 10 years
later

Methodology reproduced in China
and US



“Playful models and serious games”

Giving decision-makers and the public a chance to own the uncertainty, and to get to get intuitive understanding of the dynamics of the system

A 2050 Calculator available to all

