NEXUS BIG CHALLENGES
Facilitated Workshop Outcomes
University of Southampton – Wednesday 15th June 2016

Group 1

DEMAND
Managing demand; changing/reducing demand

LOCAL VS. NOT LOCAL (GLOBAL?)
Growing food, supply of food, water

DISTRIBUTION
Of resources equitably

ENVIRONMENT
Conserving eco systems

EDUCATION
Public/industry/government

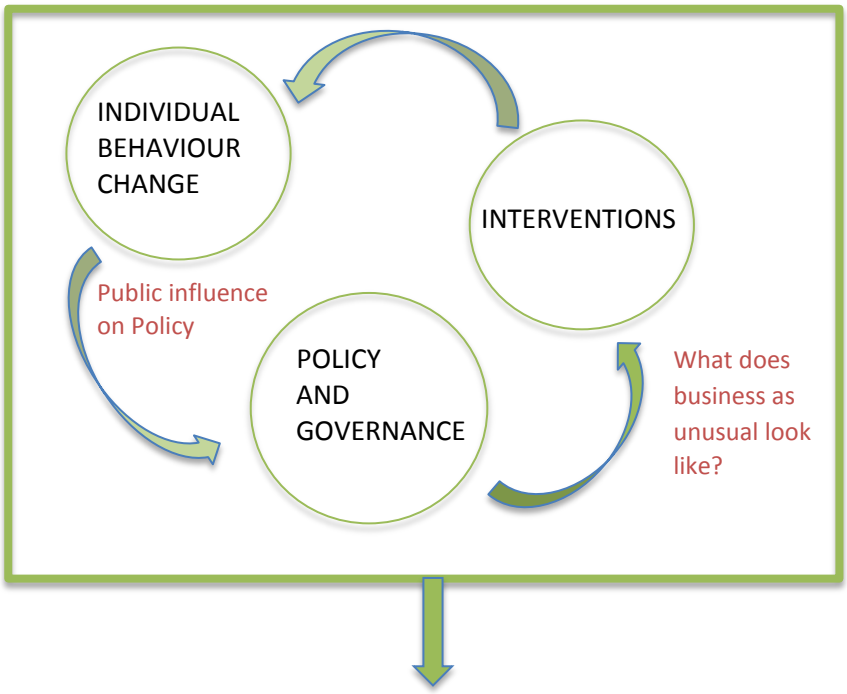
POLICY
Global decision making, towards simple policies. Acknowledgement and ownership of 'real' costs and benefits

EFFICIENCY
Water, plants, food production, land, reducing waste

PROGRAMME PLANNING
Players, priorities (and whose), what we already know and gaps, identifying components

Group 2

Group 3



RESEARCH QUESTIONS

- Better definition/understanding complex systems
- New frameworks for valuing ecosystem services

Group 4

POLICY AND ENGAGEMENT IMPACT

- Ideas are good but it's the implementation that matters
- Public engagement and understanding how to communicate such complex issues to encourage behaviour change
- Reducing demand – can only happen if business is onside, how to persuade/make sustainability economically viable. 'Need to want'.
- Actioning the research
- Tailoring the message
- Coherence in policy across government departments et DEFRA, DH etc
- Impact of Brexit

PSYCHOLOGY?

HUMAN INTERACTION AND ATTITUDE

- Environments enabling people to make healthy sustainable choices
- Using the social science understanding
- Changing consumption patterns
- What is a healthy sustainable diet? Grass fed beef vs intensive reared chicken
- Identifying where value lies in the nexus
- Do we all go veggie?

TRANSDISCIPLINARY APPROACH

- Mapping the Nexus
    - Where there is drought abundance in each component?
    - Where do these coincide?
    - How does the politics interact with this?
- Framing the challenge
- Landscape optimisation
    - What scale to match with government policy?
- Using the systems research understanding (control engineers etc)
- Using probability and other maths tools correctly
- Total dynamic systems modelling

ACADEMIC CULTURE VS FUNDING

- Valuing interdisciplinary research

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