









ESRC Research Seminar Series Seminar 2

Applied Complexity Theory as the New Framework for Public Policy

Energy & Climate Change: the Contribution of Complexity Science

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What purpose?

to devise new research in

Applied Complexity Theory as the

New Framework for Public Policy

What support?

EU – ASSYST Project

EU – GSD Project

What funding?

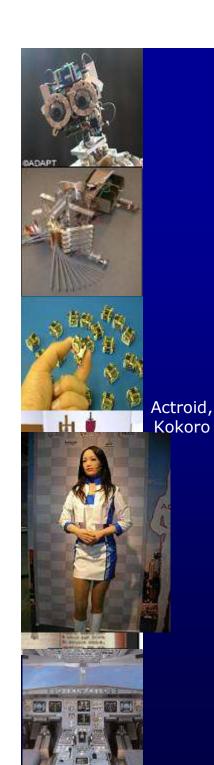
ESRC

EU – FET

EU – Complexity-Net

EPSRC Calls

MET & NERC,



Future and Emerging Technologies in the 7th framework programme of the European Commission

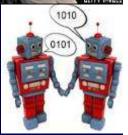
FET mission:

- Redefine what is possible
- Insist on visions
- Support high risk high impact resear
 - •Insist on open boundaries between disciplines
 - •Reflect on technology's role in society
 Some examples how FET attempts
 to 'span the arc of science'











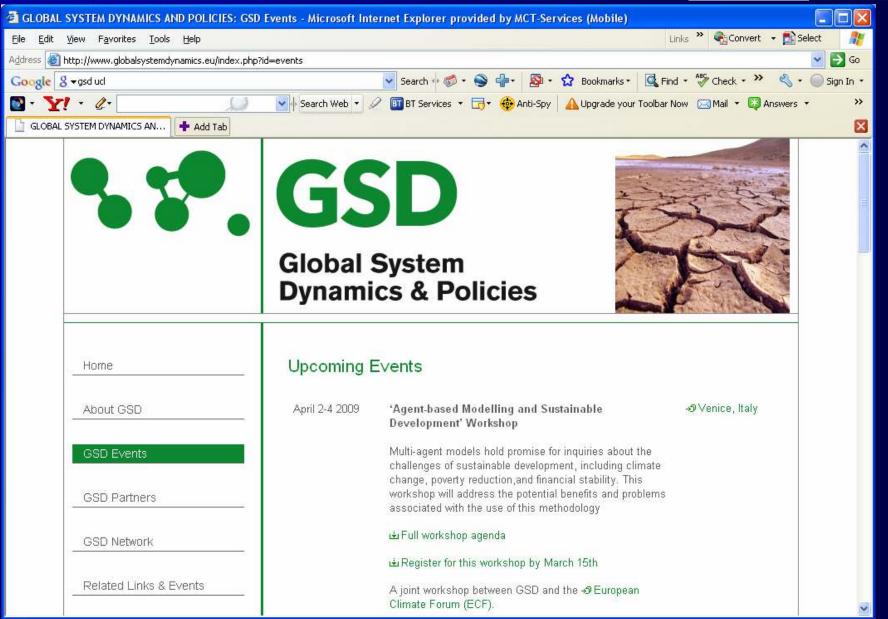
























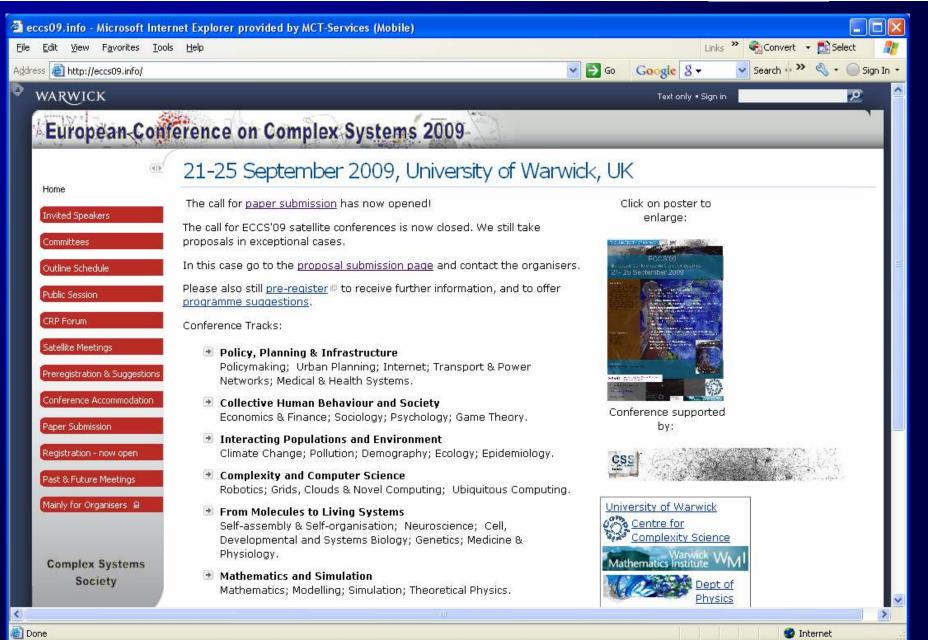




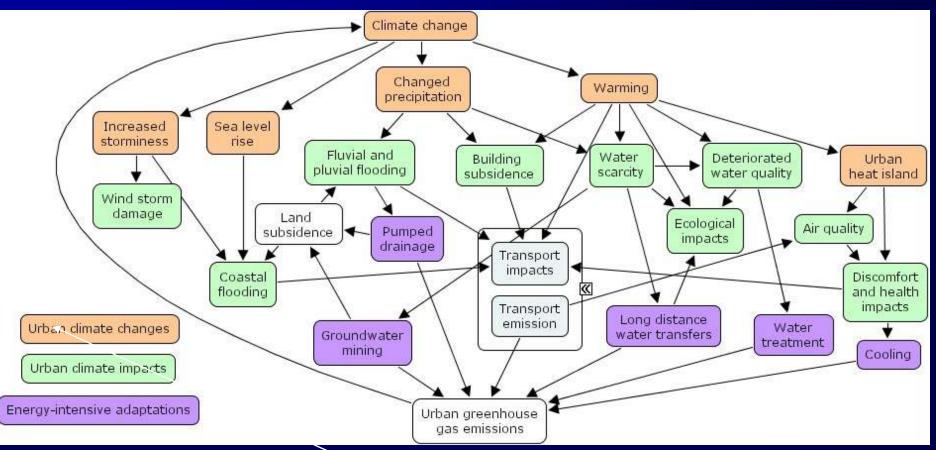


GSD Global System Dynamics & Policies





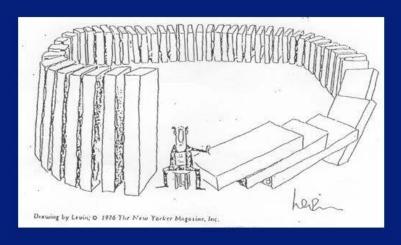
A vicious circle of highly connected systems



Source: Tyndall centre

All these challenges necessitate an integrated view of nature, society, economics and novel technologies

Aren't we?



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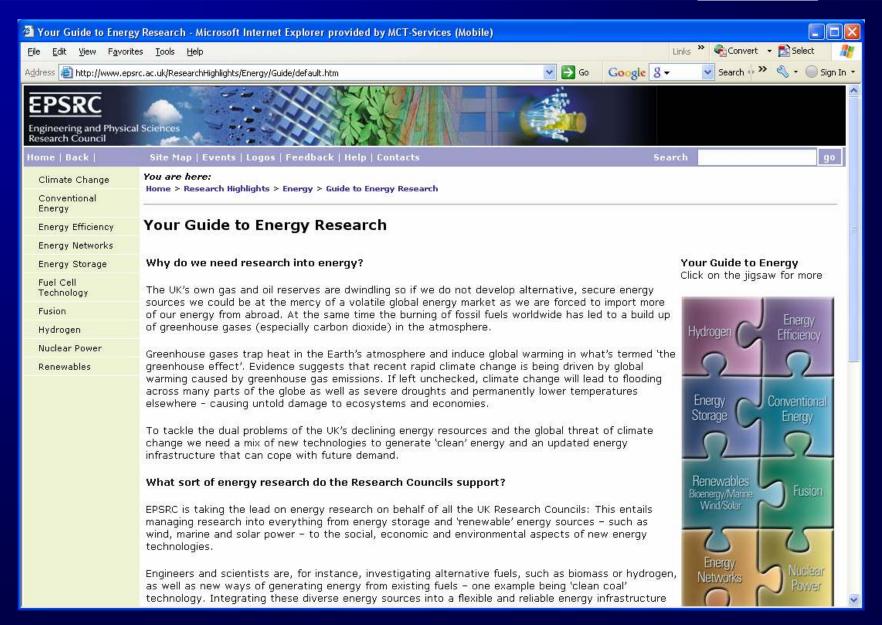






GSD Global System Dynamics & Policies





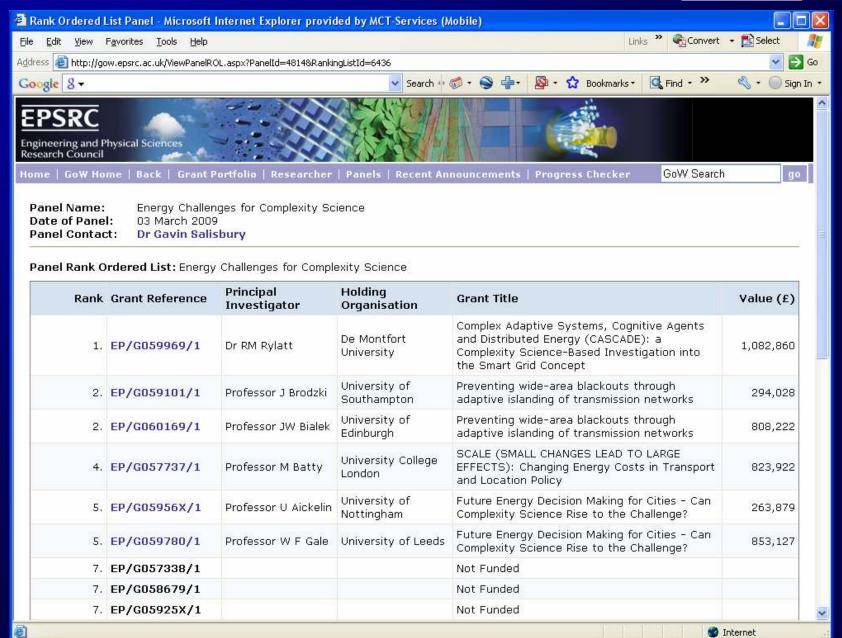










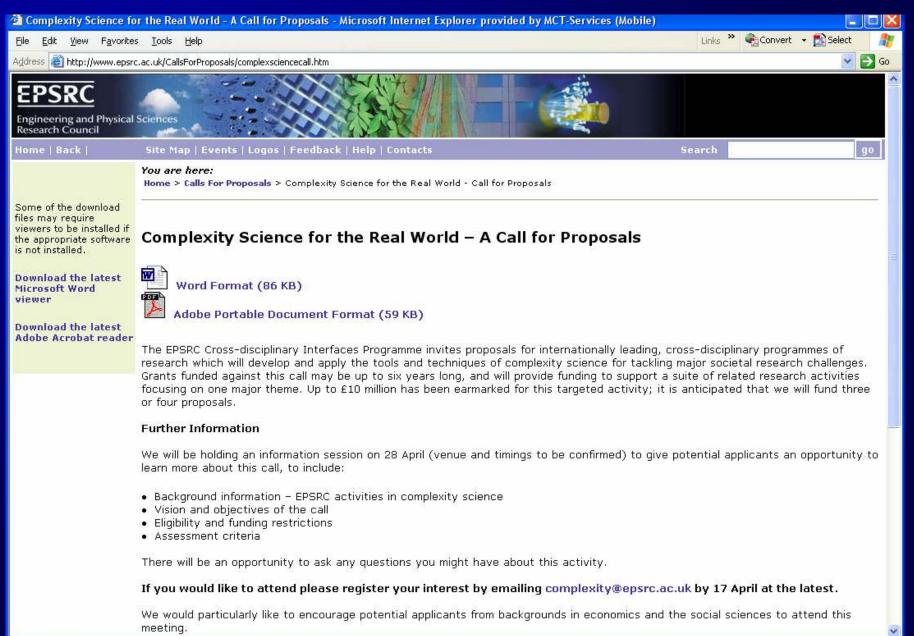












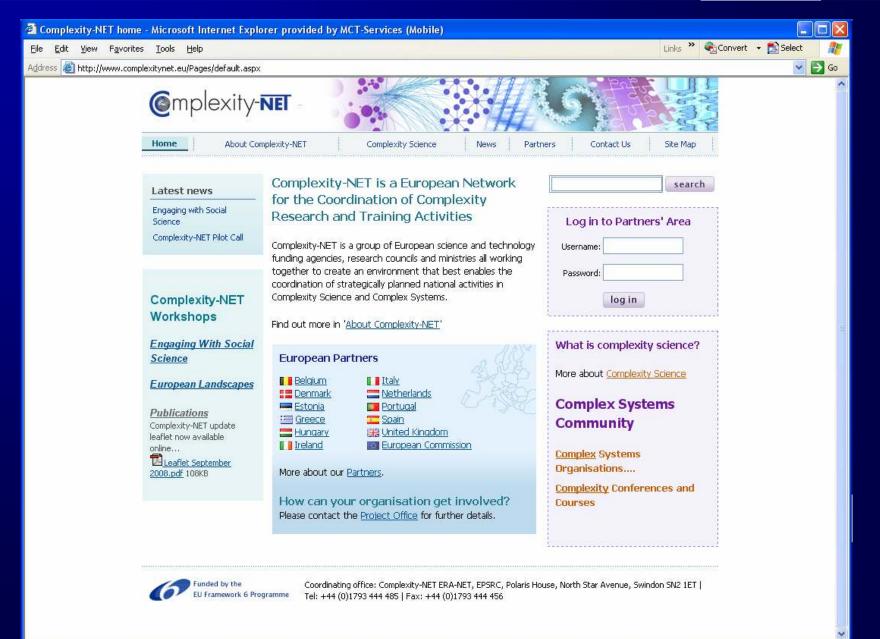






GIODAI System
Dynamics & Policies











GIODAI System















Conclusions

Energy & Sustainability & Policy are huge & urgent problems

Complex Systems Science

necessary if not sufficient

ASSYST & GSD & others

provide support structures

ESRC, EPSRC, NERC, EU-FET, Complexity-Net, provide funding