

RES-451-26-0615
**Applied Complexity Theory as the New Framework
for Management and Public Policy**

Seminar Series Outputs

Summary:

6 ESRC Seminars
3 Additional seminars on Climate Change
2 Workshops
12 Journal Articles/Editorials

ESRC Seminars

ESRC Seminar 1: ‘*The Global Governance of New Health Technologies*’

26 November 2008 held at LSE; organised by Prof. Salter, King’s College London

Speakers:

Dr. Barbara Prainsack, Dr. Hendrik Wagenaar

Prof. Aurora Plomer, Dr. Peter Taylor

Prof. Joyce Tait

Seminar 1 was video recorded. Presentations and recording on

www.lse.ac.uk/complexity

ESRC Seminar 2: ‘*Energy Policy & Climate Change: the Contribution of Complexity Science*’

24 March 2009, held at LSE; organised by Prof. Johnson, Open University

Speakers:

Dr Stephen Peake, OU

Prof. David Elliott, OU

Prof. Alan Willson, UCL

Lord David Puttnam

Seminar 2 was video recorded. Presentations and recording on

www.lse.ac.uk/complexity

ESRC Seminar 3: ‘*Complexity: a Framework for Policy and Decision Support*’

10 June 2009, held at Cranfield; organised by Prof. Allen, Cranfield University School of Management

Speakers:

Prof. Brian Collins (DfT, BERR)

Lucian Hudson Ministry of Justice, Convener of CSN

Roger Gardner, Chief Executive OMEGA, Callum Thomas & Prof. Ian Poll

Dr Liz Varga, Cranfield University School of Management
Dr Jean Boulton, Cranfield University School of Management

Presentations from Seminar 3 are at www.lse.ac.uk/complexity

ESRC Seminar 4: *'Complexity and the International Arena'*

6 Nov 2009, held at Lancaster, organised by Prof. Geyer, University of Lancaster

Speakers:

Prof. John Urry, Lancaster University
Prof. Robert Geyer, Lancaster University
Dr. Kai Lehmann, Liverpool University
Dr. Mehmet Tezcan, Free University Brussels
Dr. Antoine Bousquet, Birkbeck, University of London
Dr. Simon Curtis, London School of Economics
Dr. Armando Geller, Manchester Metropolitan
Dr. Christine Brachthaeuser, University of Tübingen

Seminar 4 was audio recorded and the audio podcasts are at www.lse.ac.uk/complexity

ESRC Seminar 5: *'Terrorism and the Complexity of Soft Targets: The Case of the Tourism Industry'*

10 March 2010 held at Oxford Brookes, organised by Dr Paraskevas, Oxford Brookes University

Speakers:

Bernard Donoghue, Head of Government and Public Affairs,
VisitBritain and Deputy Chair of TIER (Tourism Industry Emergency
Response Group)
Alan Orlob, Vice President, Corporate Security Marriott International
Prof Alex Schmidt, Director of Terrorism Research Initiative (TRI) and
editor of the Journal Perspectives on Tourism
Dr Dawn Gilpin, Assistant Professor, Walter Cronkite School of
Journalism and Mass Communication at Arizona State University

A report incorporating all presentations, audio recordings and video recordings of some presentations are all at www.lse.ac.uk/complexity

ESRC Seminar 6: *'Post 7/7 and 9/11: what lessons have been learnt on evacuating, following a major disaster? What can state-of-the-art modelling, simulations and a complexity theory approach contribute to policy?'*

8th July 2010, held at LSE; organised by Prof. Mitleton-Kelly, London School of Economics

Speakers:

David Barnes, Civil Contingencies Secretariat, Cabinet Office
John Pooley, Head of Emergency Preparedness, London Ambulance Service, UK
Michael Hallows, Detective Chief Superintendent, Head of Strategic
Operations, National Policing Improvement Agency, UK; being
represented by David Lindridge, Interoperability Programme, NPIA

Graham Chick, CEO of Gematech, a Specialist Telecoms Technology Company,
focusing on design and development of new and innovative technology
Prof. Dr. Paul Lukowicz, Embedded Systems Lab, University of Passau,
Germany
Prof. Dr Alois Ferscha, Institut für Pervasive Computing, Johannes
Kepler Universität, Linz, Austria

Seminar 6 was video recorded. Presentations and recording on
www.lse.ac.uk/complexity

Additional Seminars & Workshops

An additional 3 seminars and 2 workshops were organised by Eve Mitleton-Kelly, on energy and climate change. All were held at LSE.

28 January 2010: *'Complex Solutions for Complex Problems: Mobilising social response to accelerating climate change in a post-Copenhagen context'*

Speaker: David Wasdell

Presentation and audio recording at www.lse.ac.uk/complexity

24 February 2010: *'Convergence: Can the Economy As We Know It Survive Economic Depletion?'*

Speaker: Dr Chris Martenson

Presentation and audio recording at www.lse.ac.uk/complexity

4 March 2010, 2 Workshops to discuss the issues raised during the 28 January and 24 February seminars on climate change

Audio recording at www.lse.ac.uk/complexity

15 March 2010: *'A Sustainable 2050? Difficult and Possible'*

Speaker: Robert Horn, Stanford H/STAR Institute

Presentation and audio recording at www.lse.ac.uk/complexity

Publications

Papers from ESRC Seminars 2 and 3, were published in a Special Issue on Policy and Climate Change of *'Emergence: Complexity & Organization - An International Transdisciplinary Journal of Complex Social Sciences'*, Volume 12, Issue 2

Guest Editorial: Policy and Climate Change (1-6)

Jean Boulton & Eve Mitleton-Kelly

Sustainable Energy Systems: Linking the Local to the Global (7-14)

David Elliott

Policymaking as Design in Complex Systems: The International Climate Change Regime (15-22)

Stephen Peake

Cities as Complex Systems: Modelling Climate Change Dynamics (23-30)
Sir Alan Wilson

Complexity Theory and Implications for Policy Development (31-40)
Jean Boulton

Energy and Climate Change: The Contribution Of Complexity Science - An Interview with Lord David Puttnam (24 March 2009) (70-76)
Eve Mitleton-Kelly & Jeff Johnson

Energy, Transport, Environment and the Policy Challenge (77-80)
Brian Collins

Papers from ESRC Seminar 4, will be published in a special edition of *Cambridge Review of International Affairs* in Volume 24, Issue 1 (March 2011)

Applying the tools of complexity to the international realm: from fitness landscapes to complexity cascades
Prof. Robert Geyer (Lancaster) and Steve Pickering (Lancaster)

'Complexity theory and foreign policy: crisis-response as a process of self-organization
Dr. Kai Lehmann (Liverpool)

Complexifying the language: A new conceptual language for IR?
Dr. Antoine Bousquet (Birkbeck, University of London) and Dr. Simon Curtis (LSE)

Complexity based models of International Relations
Dr. Armando Geller (Manchester Metropolitan)

Governance as a multi-level process
Dr. Christine Brachthaeuser (University of Tübingen)

Prof. Eve Mitleton-Kelly
Director
Complexity Research Programme
LSE