



THINKlab

Strategic Modelling to Support Decision Making for the North

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Admin...

Strategic Modelling to Support Decision Making for the North

- We are all wrestling with making good decisions in an evermore complex and interconnected world.
- Creating models, whether qualitative or quantitative, improves our understanding of complex situations enabling us to make better informed decisions.
- Systems Thinking (ST) and System Dynamics (SD) approaches can be used for qualitative and quantitative modelling
- System Dynamics is a modelling technique that combines system mapping and simulation to project behaviour over time using computer simulation
- Simulation gives us a “safe environment” to test changes to the system of interest
- We are focussed more on System Dynamics, but other approaches available...
- The presentations at this event will describe instances where ST and SD based approaches have, and are, being used in the North.

Agenda

15:20	Introduction
	Siôn Cave (President of the UK Chapter / Decision Analysis Service Ltd) Professor Terence Fernando (Director, THINKLab)
15:30	Applying System Dynamics to support strategic decision making within the Nuclear Sector
	Siôn Cave (President of the UK Chapter / Decision Analysis Service Ltd)
16:00	A polycentric pan-Northern economy – Modelling economic transformation through transport connections
	Jack Snape (Transport for the North)
16:30	Public Sector Integration - Understanding and monitoring complex pathways
	Leo Wall, Kasia Noone & Paul Holme (Manchester City Council)
17:00	Whaley Bridge Dam Emergency: How SD can help Decision Makers understand evacuation Behaviour
	Hisham Tariq (THINKLab)
17:30	Event close
17:40	Informal networking at The Old Pint Pot

About the UK System Dynamics Chapter



The UK Chapter is constituted as a registered chapter of the System Dynamics Society.

It exists to disseminate and encourage the advancement of System Dynamics in the United Kingdom.

The chapter objectives in the UK are to:

- Identify, extend and unify knowledge contributing to the understanding of feedback systems;
- Promote the development of the field of System Dynamics and the free interchange of learning and research in all related fields;
- Encourage and develop educational programmes in the behaviour of systems.

About the UK System Dynamics Chapter



- United Kingdom
 - Wales
 - Scotland
 - Northern Ireland
 - England
- >450 “members”

What we do...



- Annual Conference
 - Two day event
- “Networking” events
 - Themed Half day events
- Presentations and posters available on our website

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