



Military OR after the Cold War - a Random Walk through the UK Experience

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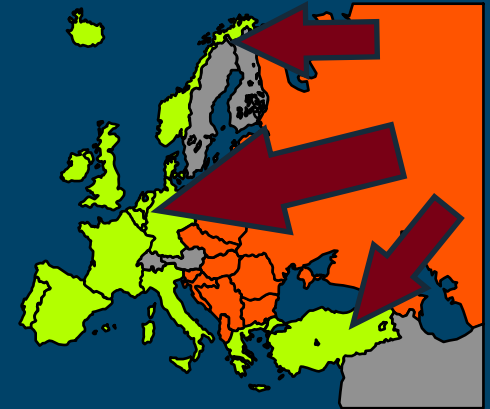



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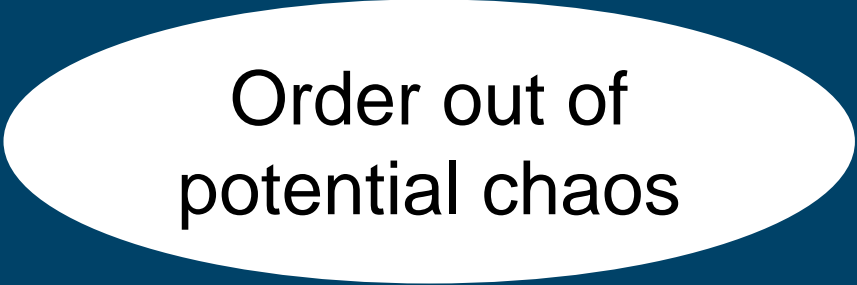
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Where has our scenario gone?





Danger of
scenario
explosion



Order out of
potential chaos

Studies
Assumptions
Group

Increasing demand for analysis

- Move to trading fund operation for all MoD's analysis (and research) capabilities
- Mandatory requirements for analysis to support equipment acquisition
- More frequent operations
- General uncertainty about implications of new strategic environment

New scenarios ...

Initially, still mainly war-fighting



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Where have our models gone?



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The changing face of simulation



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The changing face of simulation

- A new generation of combat models
- Many new (or revived) application areas in addition to combat modelling
- Use of COTS
- But what about
 - Strategic deployment
 - Logistic supply chains and associated IS
 - Equipment maintenance
 - Recuperation after operations
 - Intelligence gathering and processing systems
 - Casualty evacuation chains and operation of field hospitals
 - etc, etc

The major challenge ...

Modelling human behaviour and the ways by which it can be influenced

Two aspects of the UK approach

- Widening the discipline base
- Widening use of historical data

Inevitably ...

More use of judgements as
inputs to analysis

But high-level analysis
still powerful even if
some lower-level
inputs are judgemental

For example ...

Linear programming has made a comeback!

(just the job for optimising across multiple situations / scenarios / scenario-combinations)



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