

# The Organisation As A System

## The Performance Organisers

*Structured Coherent Design*

Testing and proving Viability –  
SCIO 22<sup>nd</sup> January 2018

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# Operating Principles – Purpose of Slides

- Purpose - To explain, and illustrate an architectural approach using the Viable Systems Model as a vehicle on which to base a software development approach
- Target audience – SCiO audience
- These slides set out the details of some high level design principles and demonstrates how they are applied using an integrated, desk top to server, information management architecture
- Run Time - Approximately 45 mins.

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# GDPR – A Defence IT Practitioner's Perspective

- Allen Woods
- Over 40 years working for defence both in and out of uniform
- Last 25 years working in Defence logistics IT
- Chartered Member of the British Computer Society.
- 2010 Finalist BCS Developer of the Year
- Credits include
  - HSIS
  - The Management of the Joint Deployed Inventory Portal
  - Material Flow PMO Portal
  - Equipment Table Management System
  - Voyager Transformation UAT test programme

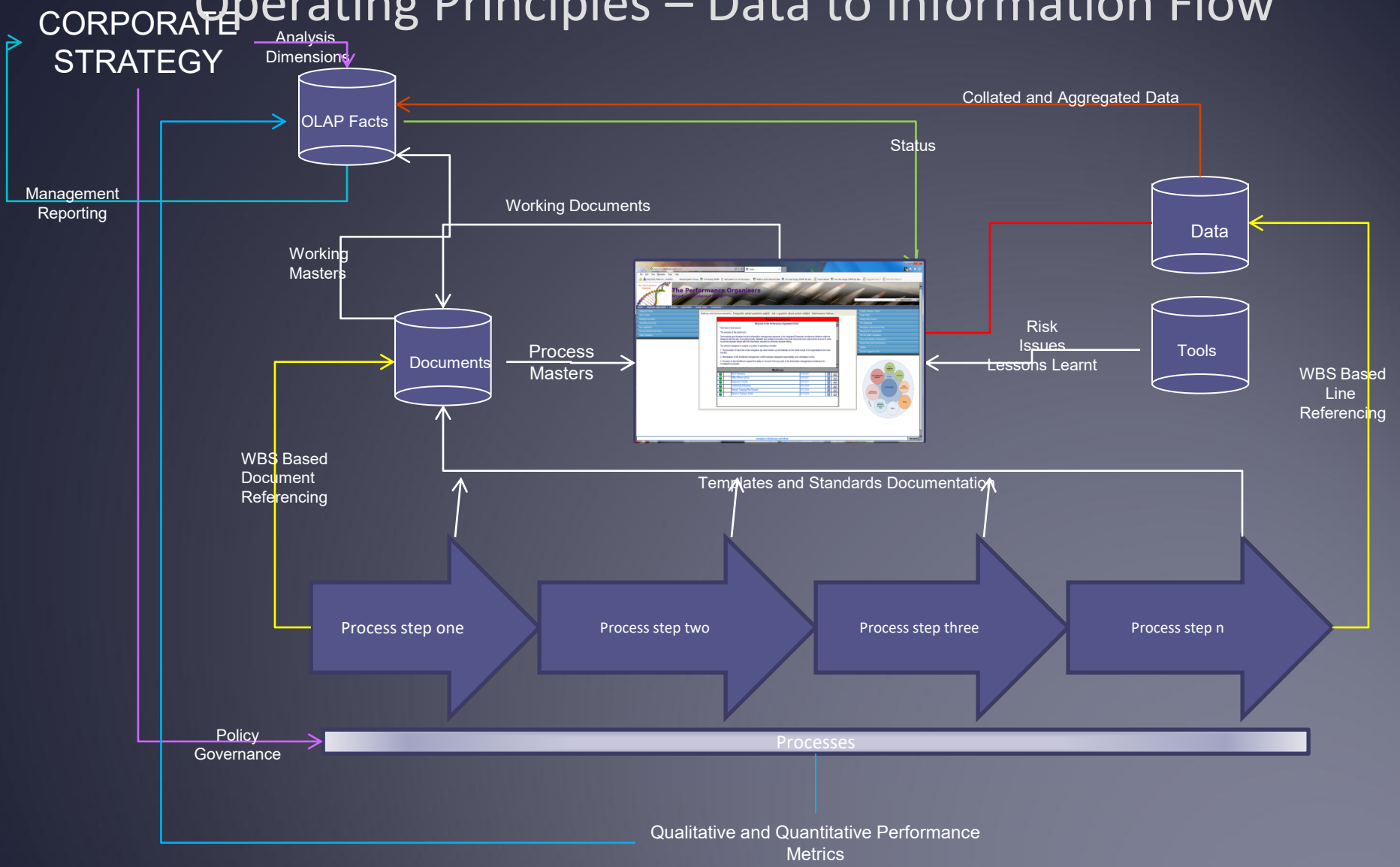
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# Operating Principles

- The aim of information management is to test and prove organisation viability
- Clear line of sight
- Resolve central control/delegated responsibility conflicts
- Any point entry
- The provision of the means to “burrow”
- Evidence based decision support
- Collation of structured and unstructured data
- Management and control of data location
- Any single dataset is a filtration of the totality of available information

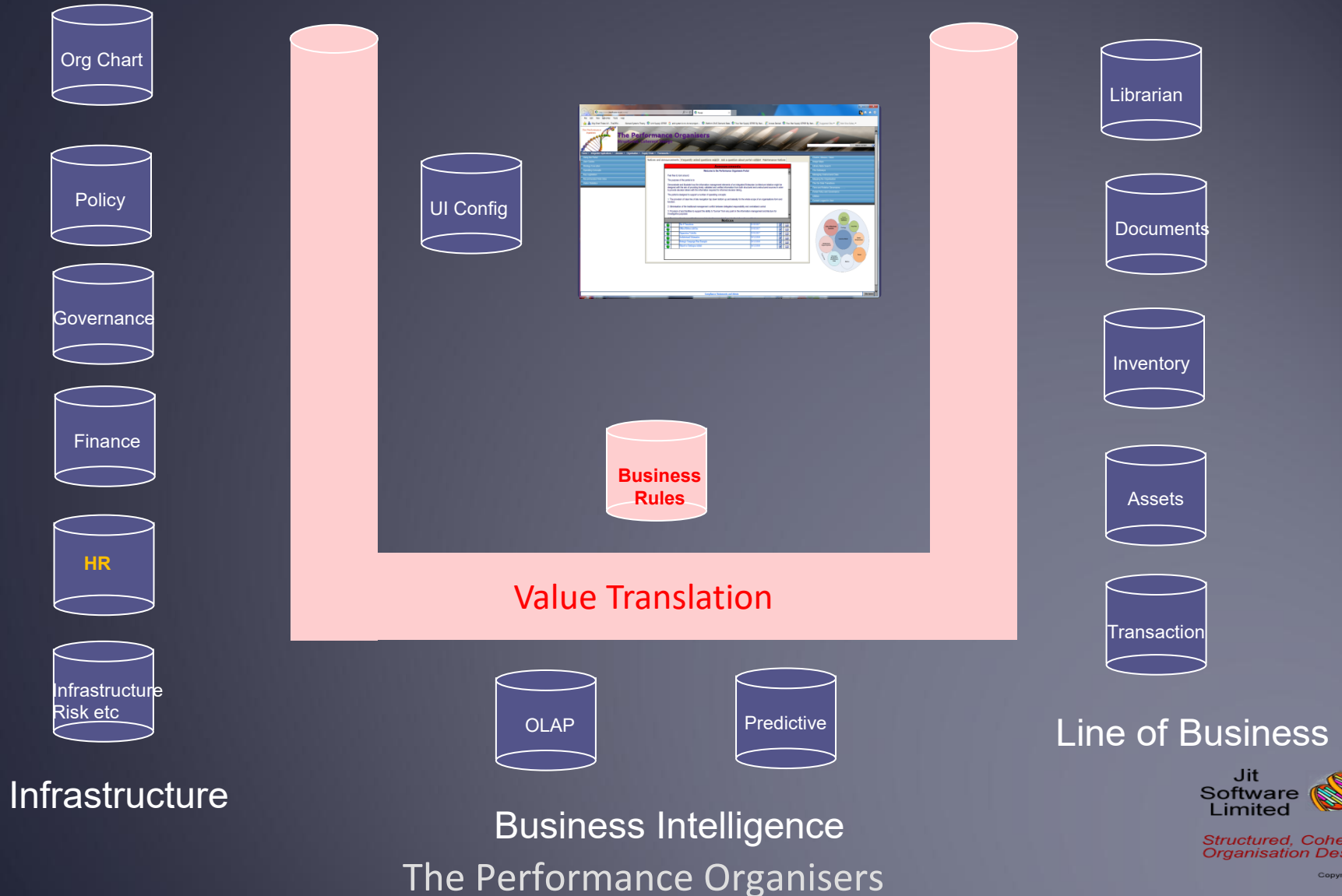
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# Operating Principles – Data to Information Flow

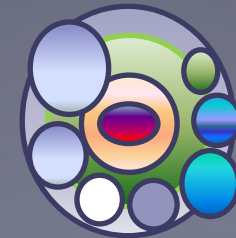
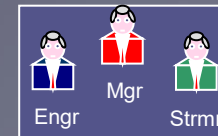
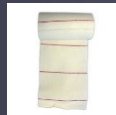
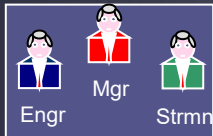
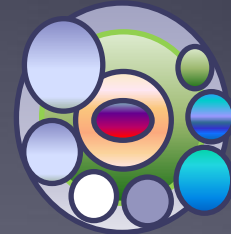
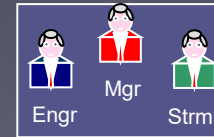
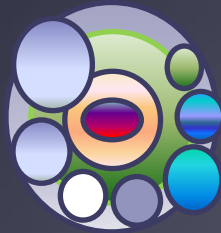
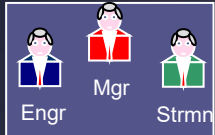


## Operating Concepts

# Operating Principles – Canonical Modelling

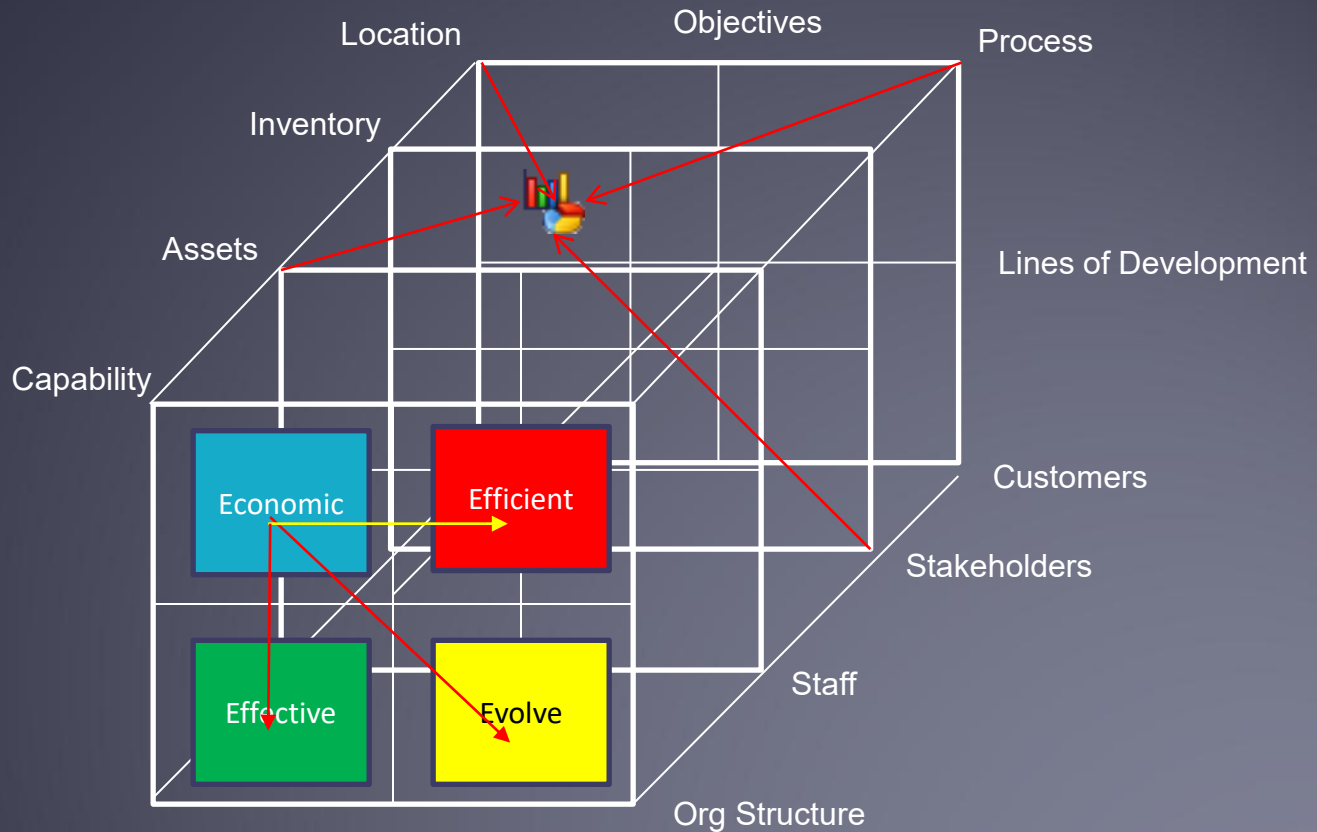


# Operating Principles – Functional Silos and Data Islands and Ownership



# Operating Principles – Dimensions and Data Targeting

Efficacy

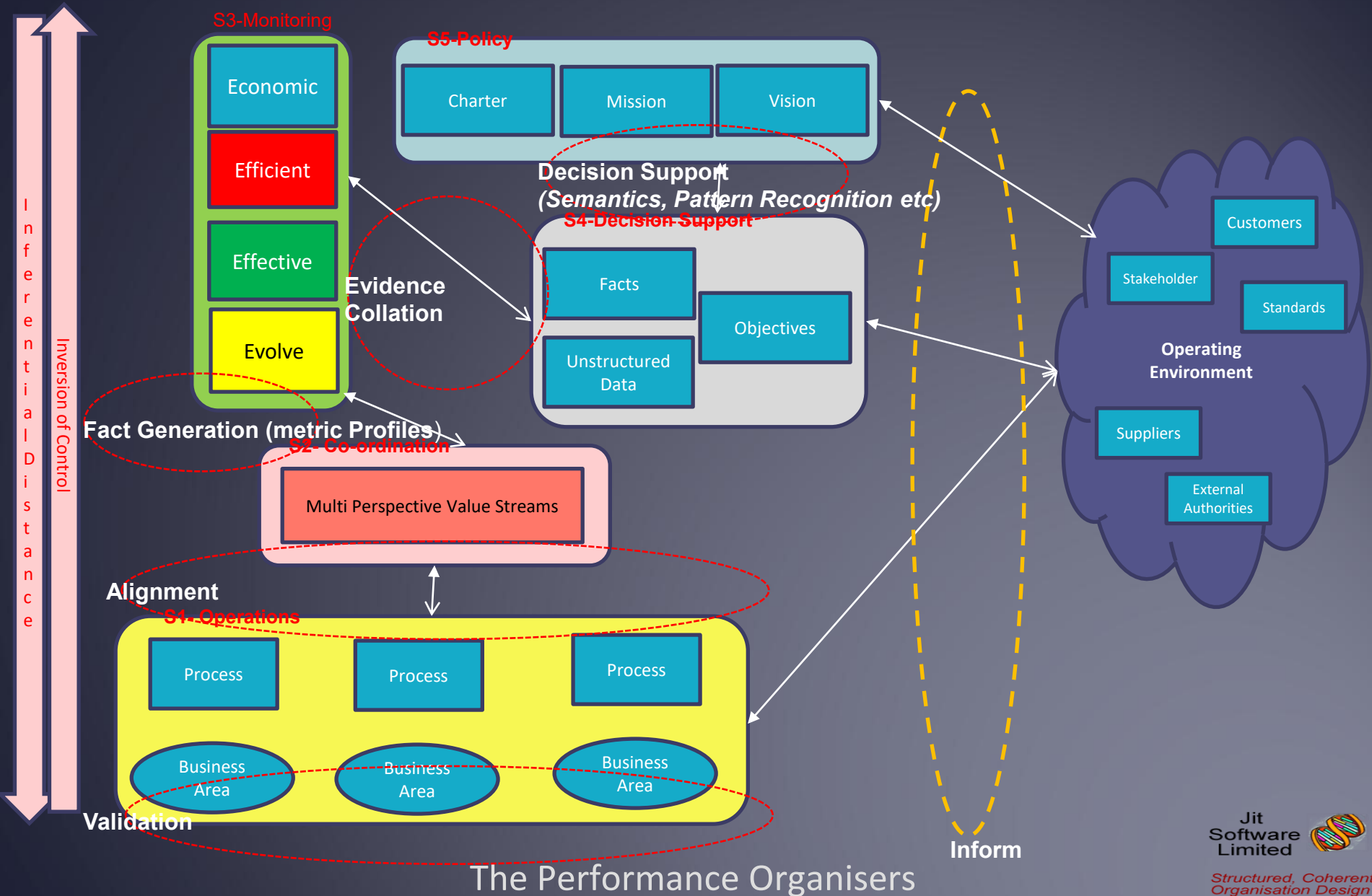


Dimensions: relative to each other in time and space

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# Information Management – Testing for Viability



# Operating Principles – How It All Might Operate



The Portal



The Desktop

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# Operating Principles - Summary

- Beware of geeks bearing gifts.
- Increasingly, legislation like the GDPR means what is now best practise must become commonplace
- Organisation form, function and purpose should govern all IT/IM acquisitions
- There is more than one way to solve information management issues
- All data sets are sub sets or filtrations of the totality of available information
- Many database driven “systems” are localised to process
- More often than not, there is a need to use data on a federated basis
- Without some form of co-ordinating design effort related to the concept of “architecture” you end up with silos...
- With silos, often residing at the process level, you end up with “My numbers are not your numbers” debates

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# Operating Principles

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