The Organisation As A System

Structured Coherent Design

Extending The Scope

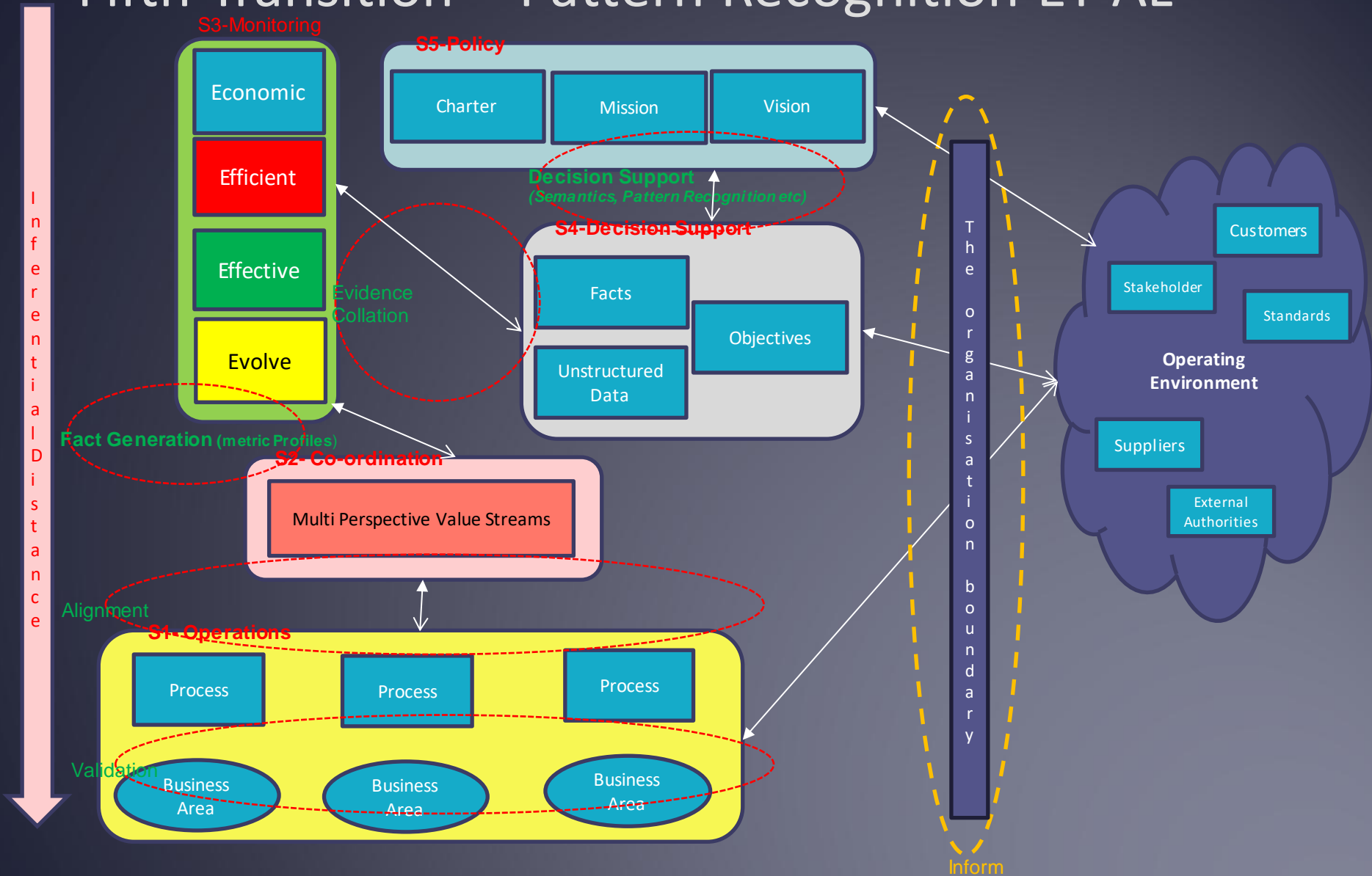# Extending the Scope

The sixth deck of a series of seven covering pattern recognition et al. The full set listed below.

Extending the Scope

- Purpose – If, stress if you go through the 5 transitions, then in data management terms, architecturally speaking, the world as they say, is your oyster…
- Target audience – non technical people who need to understand what information management might be capable of contributing as part of an enterprise architecture initiative
- First of 3 presentations on Organisation mapping two others, aligning process and "pulling it together"
- Run Time - Approximately 45 mins.

Fifth Transition – Pattern Recognition ET AL

S3-Monitoring

S5-Policy

- Economic
- Efficient
- Effective
- Evolve

Charter | Mission | Vision

Decision Support *(Semantics, Pattern Recognition etc)*

S4-Decision Support

- Facts
- Objectives
- Unstructured Data

Evidence Collation

Fact Generation (metric Profiles)

S2- Co-ordination

Multi Perspective Value Streams

Alignment

S1-Operations

Validation

Process | Process | Process

Business Area | Business Area | Business Area

Inferential Distance

The organisation boundary

Inform

Operating Environment

- Customers
- Stakeholder
- Standards
- Suppliers
- External Authorities

NOTHING crosses the organisation boundary, in or out, without "consent"

Extending the Scope

A few things to think about..

As the nature of decision making changes from the operational to the strategic, so the nature of the reporting requirement changes from the "deterministic" to something more subtle of a "predictive" nature.

That means the introduction into an information management architecture different forms of:

Data, both storage and real time on request deployment

Processing in respect of the complexity of the calculations involved at the point of delivery

Policy and governance related to who can see what

Route efficiency and a new, more abstract, conceptual form of geometry

And an entirely different set of skills (all hard to acquire) related to both analysis and coding

In short.. It all gets a tad more fiddly…. AND expensive!

Extending the Scope

Get it right and…

There are near endless opportunities to extend the scope of the evidence based decision support architecture that can be placed at the organization's disposal. Including but not limited to…

Use of publicly available data

Geolocation in various forms

Geophysical mapping

Topological algebra and modelling

Through Life, Forward and Reverse Supply

Hyperlink exploitation (no scraping)

The purpose, to enhance the business intelligence that is available to those that need it…..

Extending the Scope

Geolocation

On line map generation using freely available graphical libraries, fed latitude and longitude co-ordinates give the means to accurate locate "building as things" to within 30ft nowadays…

Things have shape and areas of interest
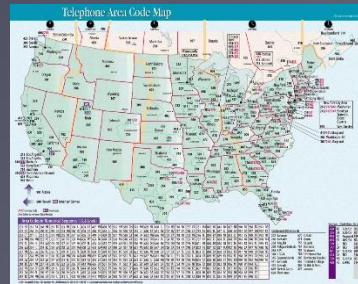
Shapes can be subdivided
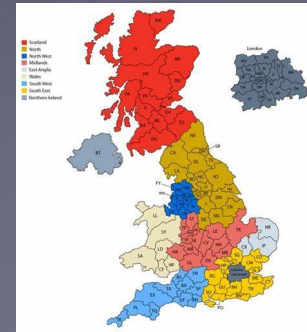
Granularity to within feet

For the entire planet

Extending the Scope

Use of Publicly Available Data
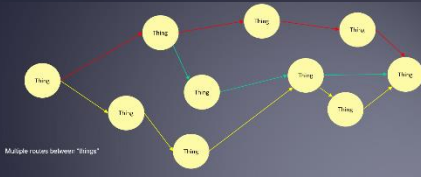
Graph Theory applied to…
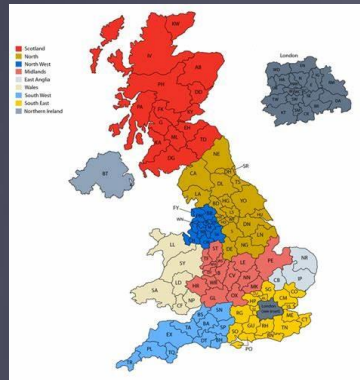
Granularity to within feet

Integrated with..

Companies House….

Office of National Statistics

And More…

Integrated with your data

Enhances your busint
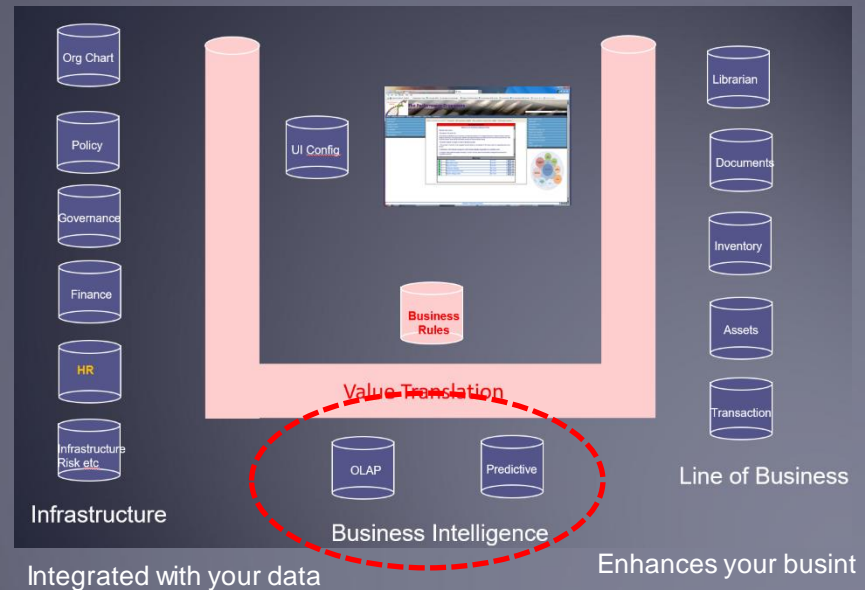
Extending the Scope

Topological Algebra and Modelling
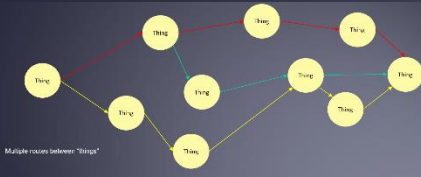
Graph Theory
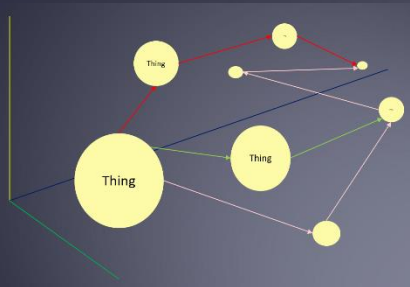
Conceptual geometry
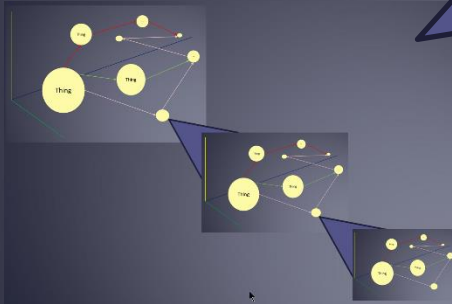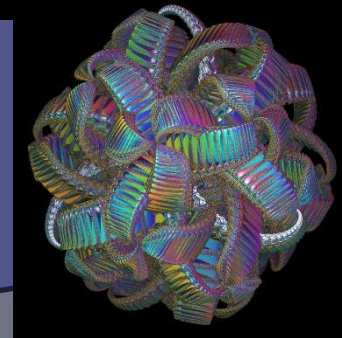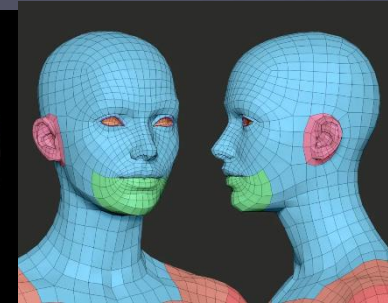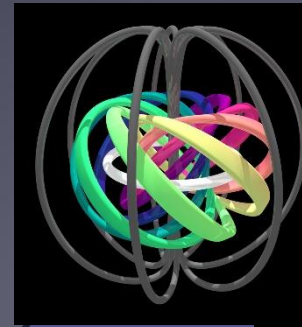
Gives rise to…

Fractals

The purpose, to enhance the business intelligence that is available to those that need it…..

Extending the Scope

Through Life, Forward and Reverse Supply
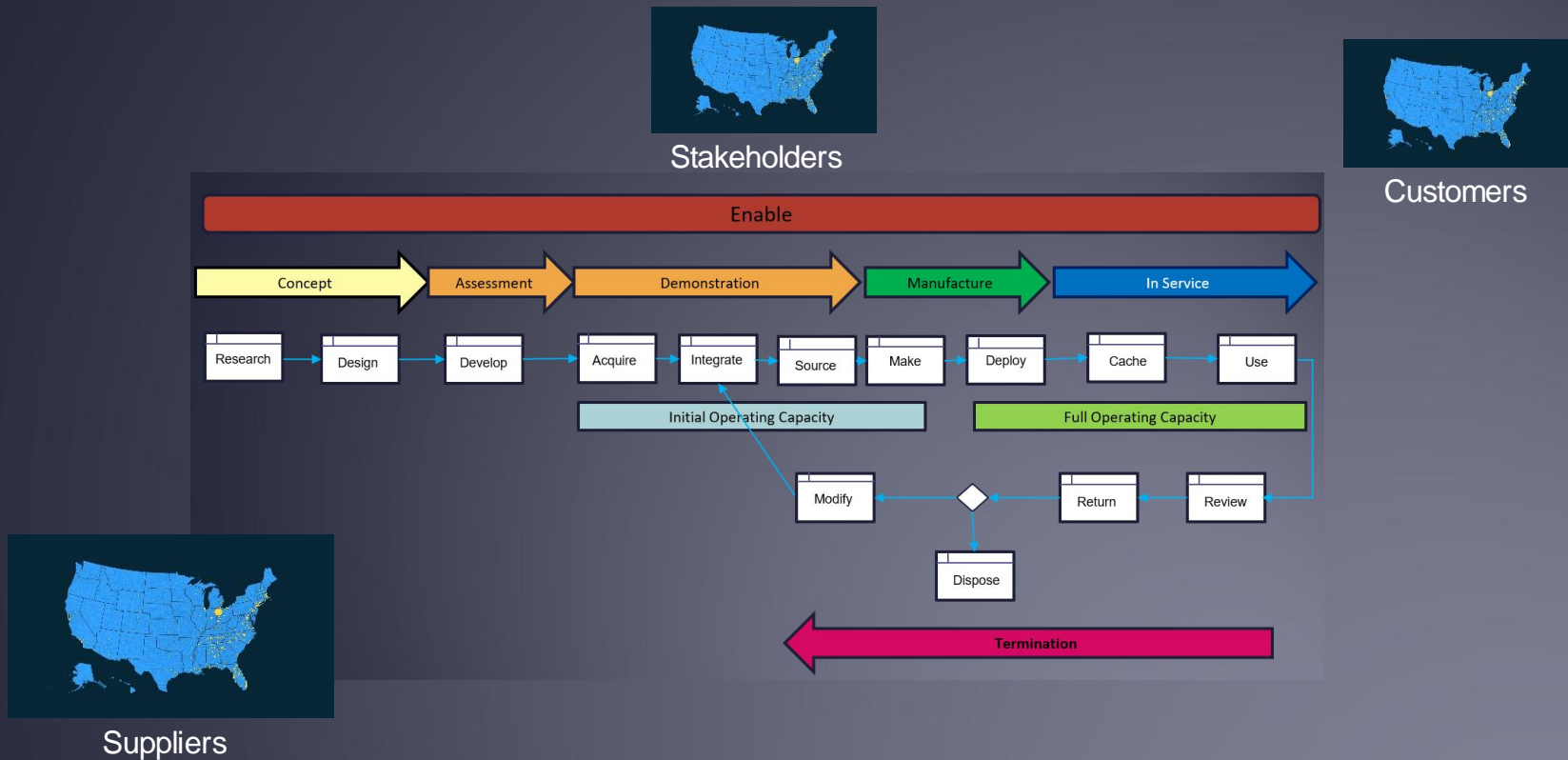
As patterns of behavior rather than "person as thing"…….

Extending the Scope

Hyperlink Exploitation

Hyperlinks have structure…….

"https://www.linkedin.com/in/allen-woods-a601ba2a3/"

Domain.   Acc ID

https://find-and-update.company-information.service.gov.uk/company/07825569

Domain   Company ID

Relatively easy to replicate and can be stored, no need to "scrape"
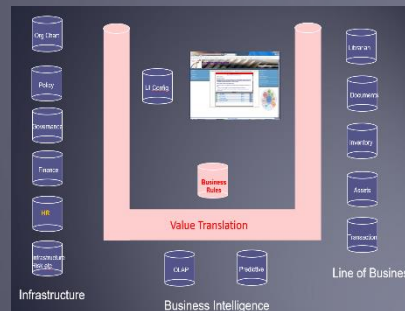
Extending the Scope

Extend the Information Architecture Portfolio

Extending the Scope
Map Organization Form, Function and Purpose
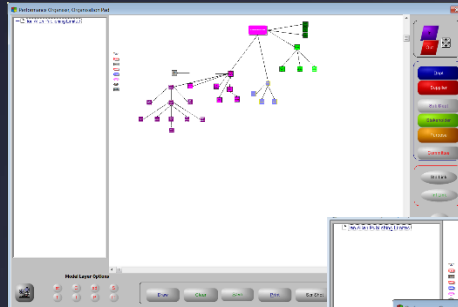
Organisation Management Structure
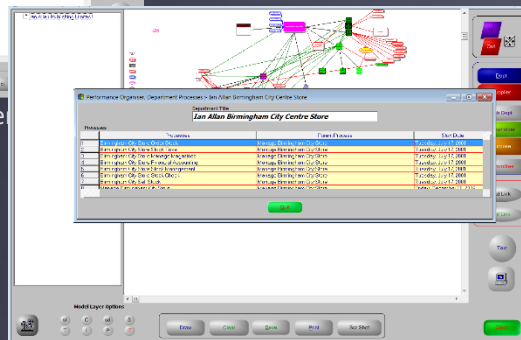
Process Catalogue and Ownership thereof
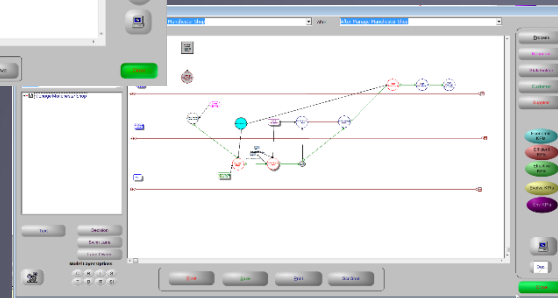
Map Process
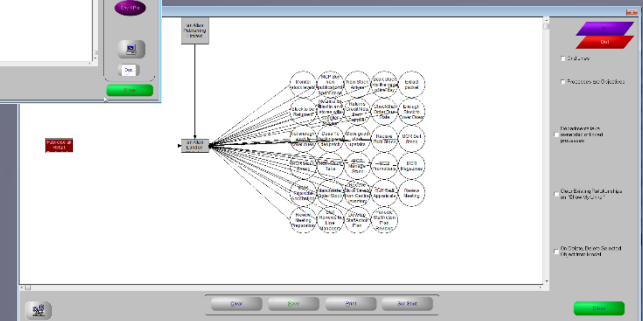
Track and plot value streams

The information architecture glue, describing organisation form, function and purpose digitally in a retrievable form
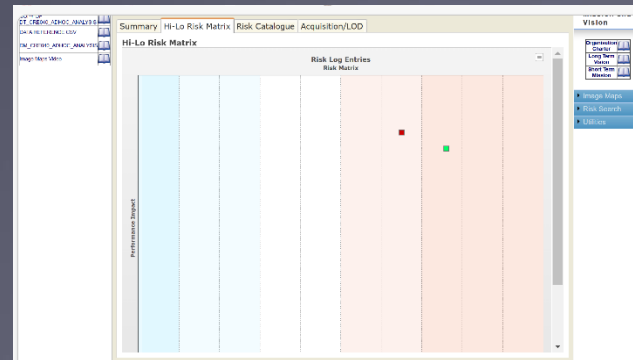
Extending the Scope

Risk Reporting and Monitoring

Sortable catalogue

"Hi-Lo" illustration

Three Point Estimation

Monte Carlo Analysis

And more…
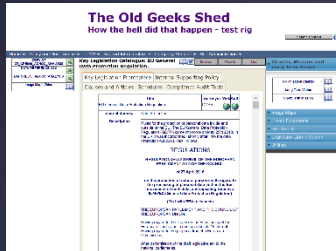
As the data sets grow in scope, with the modelling and mapping techniques applied, risk and other probability analysis becomes more nuanced

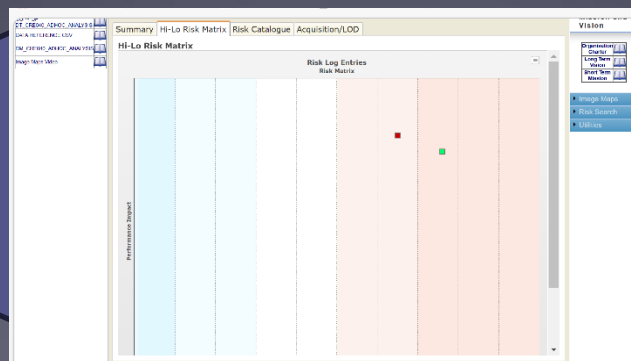# Extending the Scope

Primary Legislation Catalogue
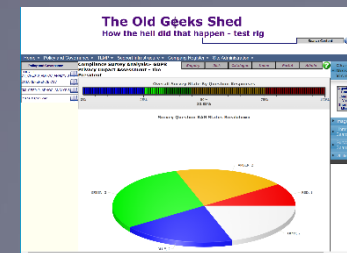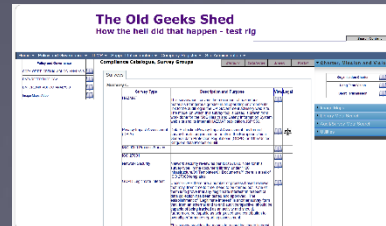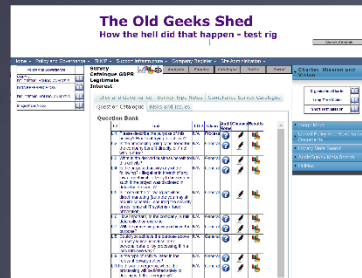
Compliance with primary legislation based on objective surveying, over time becomes more sophisticate
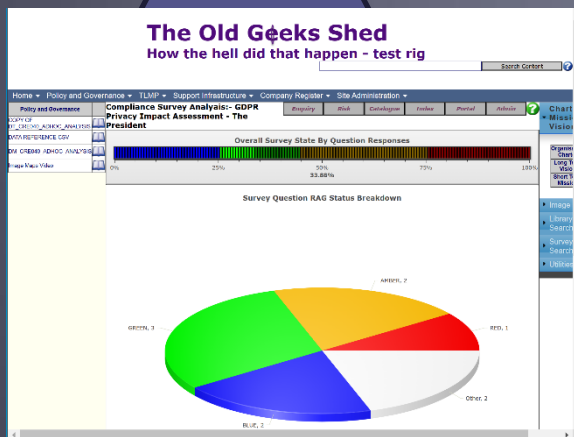
Extending the Scope

More Nuanced Profiling of "Things"

Department Profile

Focussed risk reporting

Focussed compliance reporting

Multiple mutually supportive views of performance and more that are contextually related

Extending the Scope

Search

Multi Perspective Search On Each Page By Word or Phrase

Extending the Scope

Everything a Gateway

Clickable maps
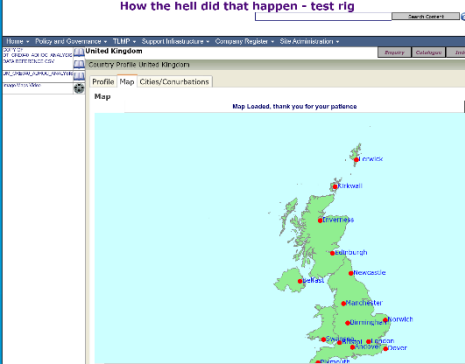
More Focussed context for "thing" profiles
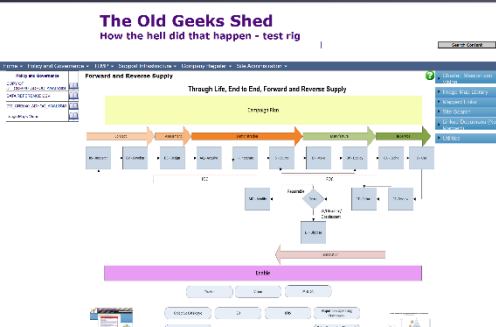
Forward and reverse supply, through life For Anything!!!
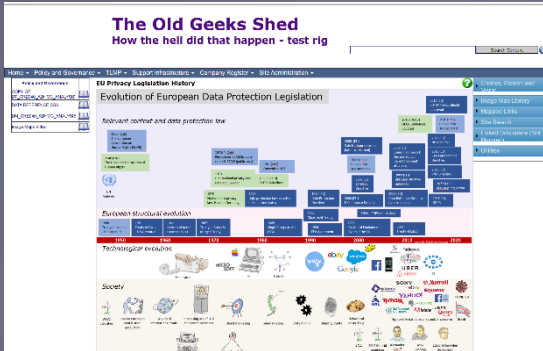
Aligning legislation (including judgements or whatever to compliance)

Extending the Scope

Next Deck.

[Other Considerations](#)

Extending the Scope

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