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Benefiting from INSPIRE – the Northern Ireland approach

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standing in for Trevor Steenson



Our story today

- Background and challenge
- The options
- The solution
- Outcomes
- Summary

Background and challenge



Northern Ireland

- Population 1.8m
- Area 13,843 km² and 5,345 miles²
- Devolved Administration within UK

Land & Property Service

- Division of Department of Finance
- Rate collection (property tax)
- Property valuation
- Land registration (cadastre)
- National mapping



The challenge => INSPIRE

Be compliant!



- Synchronise
- Discover
- Share

Data Themes		
Annex I	Annex II	Annex III
<ul style="list-style-type: none">• Coordinate Reference System• Geographical Grid System• Geographical Names• Administrative Units• Addresses• Cadastral Parcels• Transport Networks• Hydrography• Protected Sites	<ul style="list-style-type: none">• Elevation• Land Cover• Orthoimagery• Geology	<ul style="list-style-type: none">• Statistical Units• Buildings• Soil• Land Use• Human Health and Safety• Utility and Governmental Services• Environmental Monitoring Facilities• Production and Industrial Facilities• Agricultural and Aquacultural Facilities• Population Distribution - Demography• Area Managements/Restriction/Regulation Zones and Reporting Units• Natural Risk Zones• Atmospheric Conditions• Meteorological Geographical Features• Oceanographic Geographical Features• Sea Regions• Bio-geographical Regions• Habitats and Biotopes• Species Distribution• Energy Resources• Mineral Resources

But also.....



...national SDI?

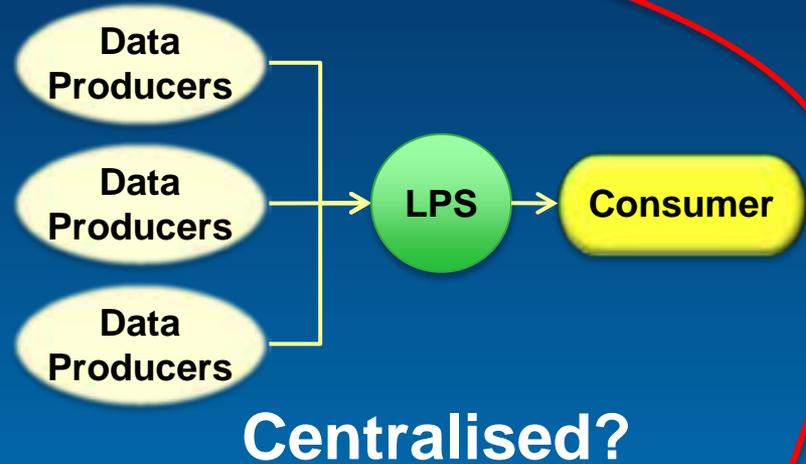
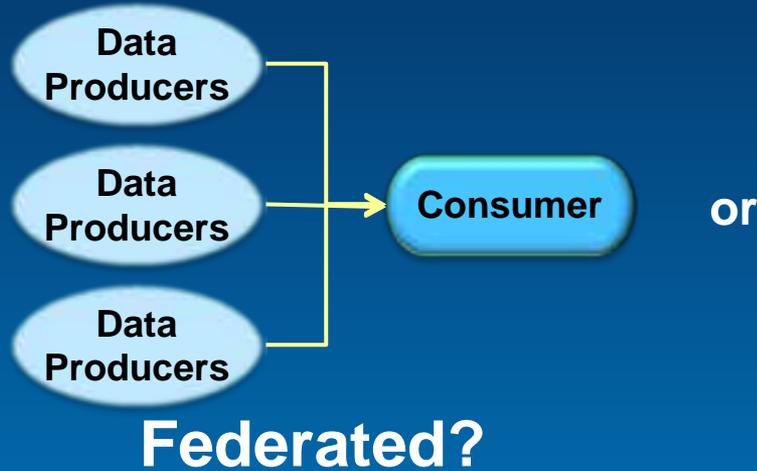


The options

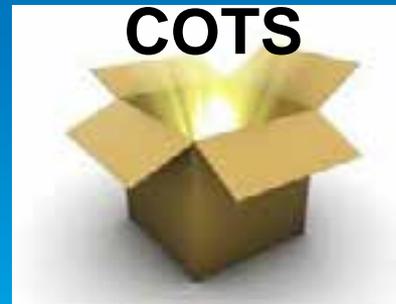


The choices!

Essentially, just 2 of them...



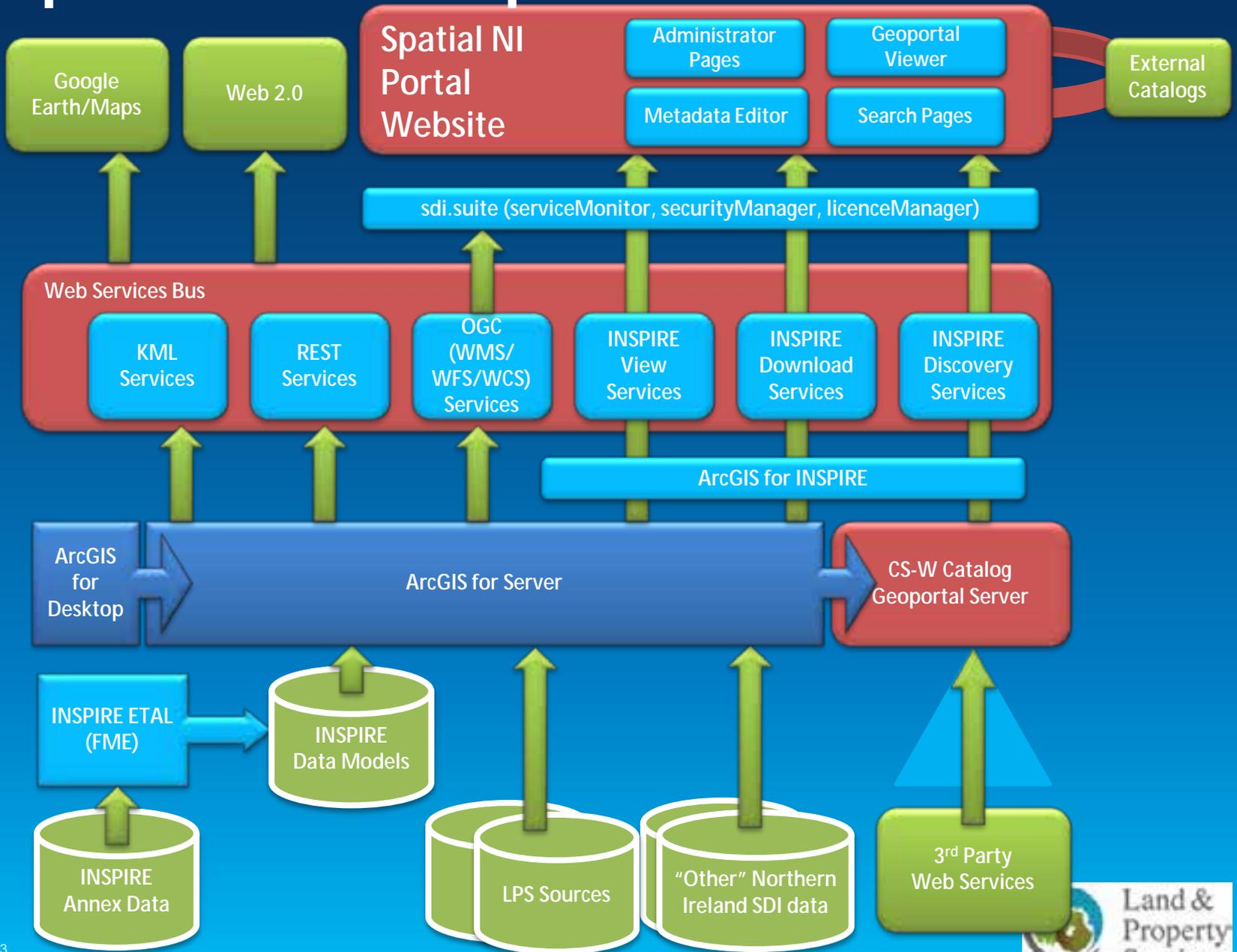
or



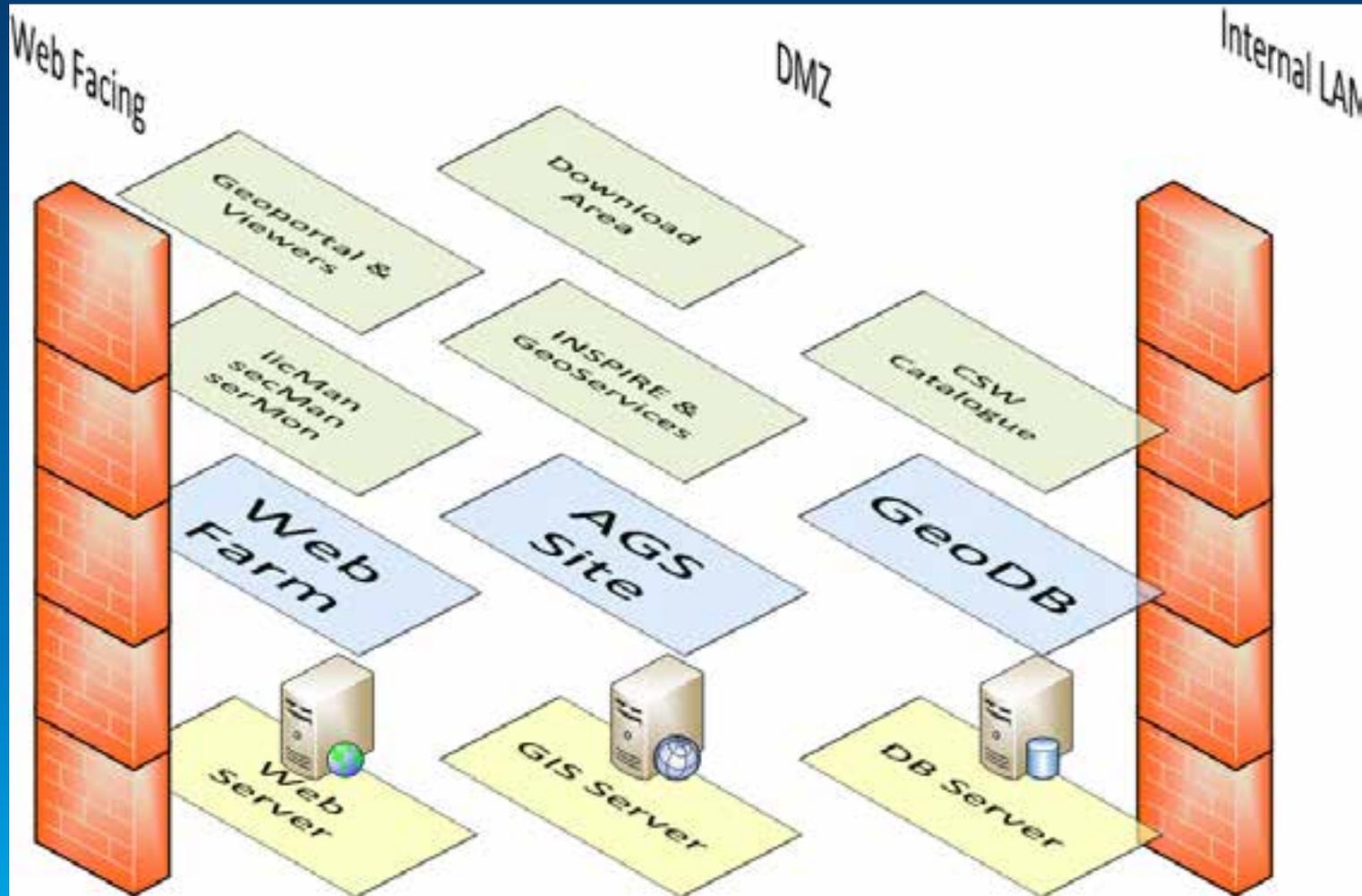
The solution



Spatial NI - conceptual architecture



Spatial NI - physical architecture



Outcomes



Spatial NI usage

As per Google Analytics!

- mid May- mid June
 - ~ 4,150 unique visitors
 - ~ 10 minute stay
 - ~ 23% new visitors



Spatial NI results

Delivering the original need!



Delivering INSPIRE

Metadata and discovery services

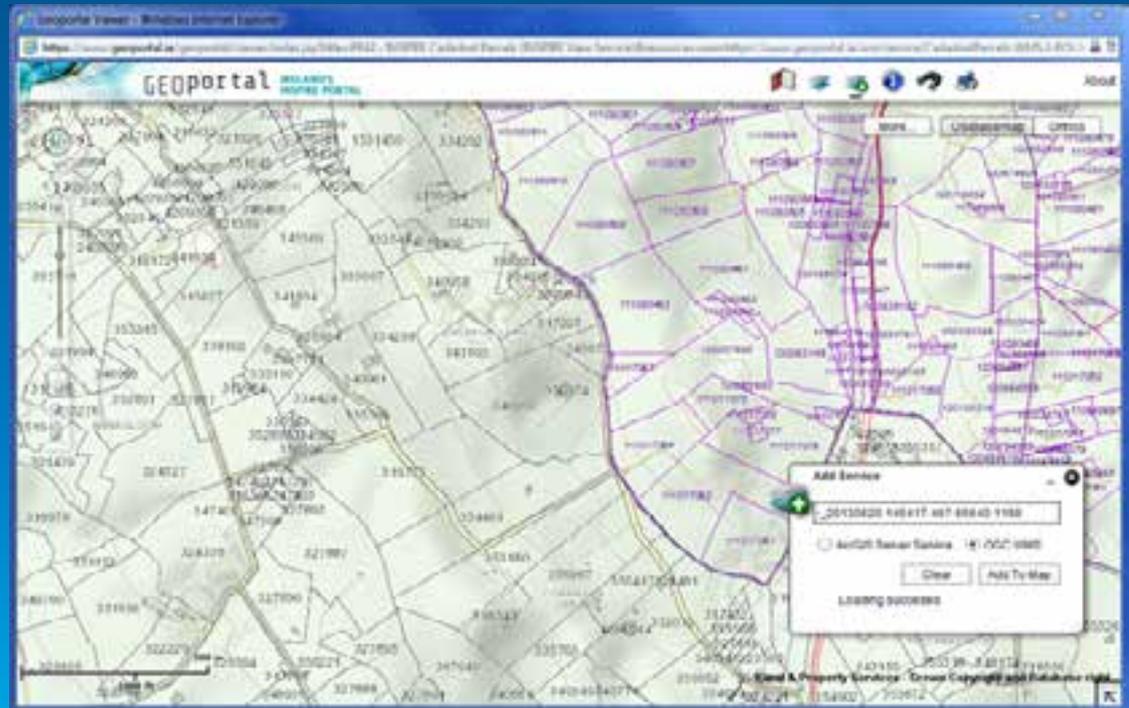
View services

Download services

Data transformation services

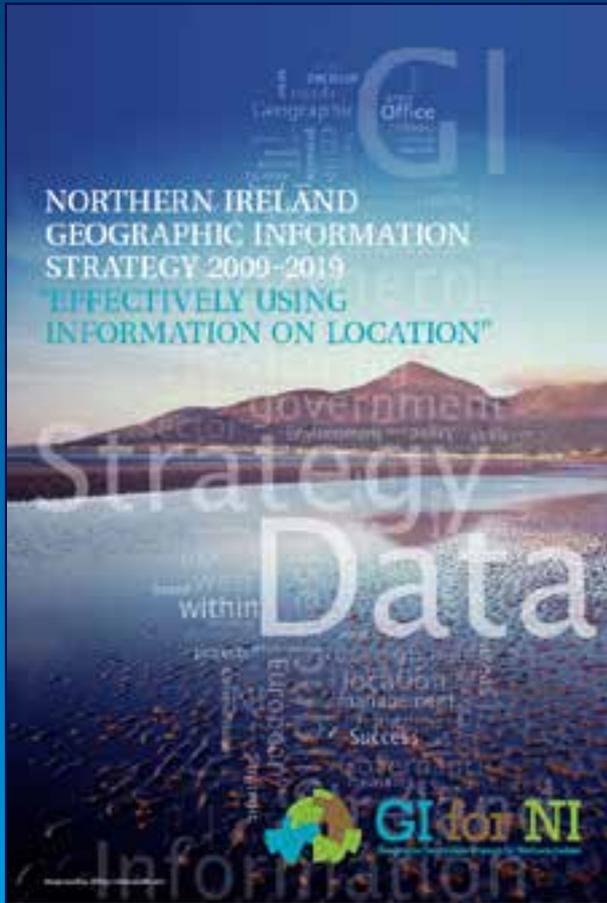
Licencing services

Delivering quality of service



Spatial NI results

Delivering the original need!



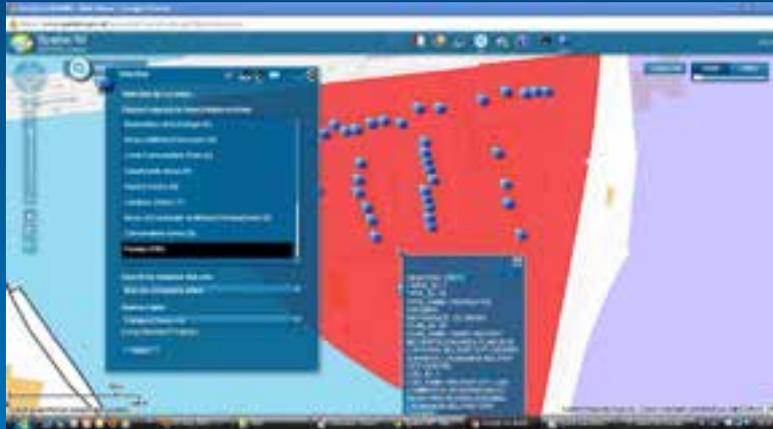
NI GI Strategy

- Realising the Business Benefits
- Education, Skills and Staffing
- Data Sharing
- Data Collection and Project Collaboration

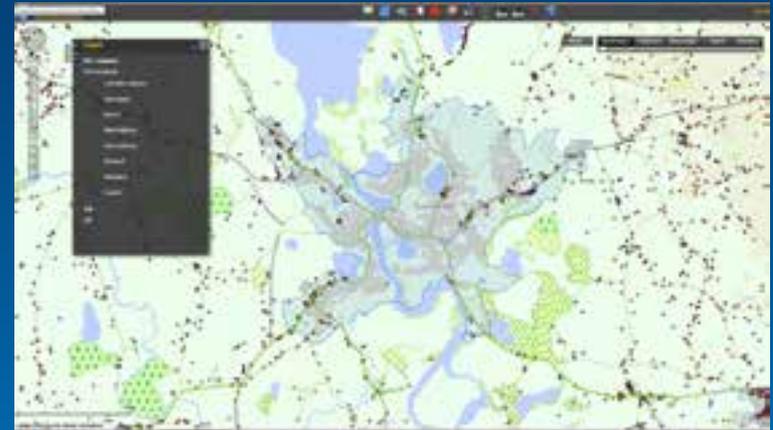
Spatial NI results

Immediate value-for-money feedback

Social development



Rural addressing



Broadband service



Shared government services



Spatial NI use case

Invest NI and inbound investment

Key information

- Infrastructure and Property
- Public Services
- Socio-Demographic data
- Labour force data
- Company Data
- Business Intelligence

The screenshot displays the Invest Northern Ireland website interface. At the top, there are navigation links for 'STARTING A BUSINESS', 'ALREADY IN BUSINESS', and 'LOOKING FOR WORK IN NORTHERN IRELAND'. A search bar is present, along with a 'BOOSTING BUSINESS' banner and a 'BUSINESS INFO.CO.UK' logo. The main content area features a blue header with the text 'Finding the right location is no longer rocket science' and a rocket icon. Below this, there is a section titled 'Locate in Northern Ireland' which includes a map of Northern Ireland. A popup window is overlaid on the map, showing a pie chart and other data. To the right of the map, there is a sidebar with a list of services and a 'Download as PDF' button.

Spatial NI use case

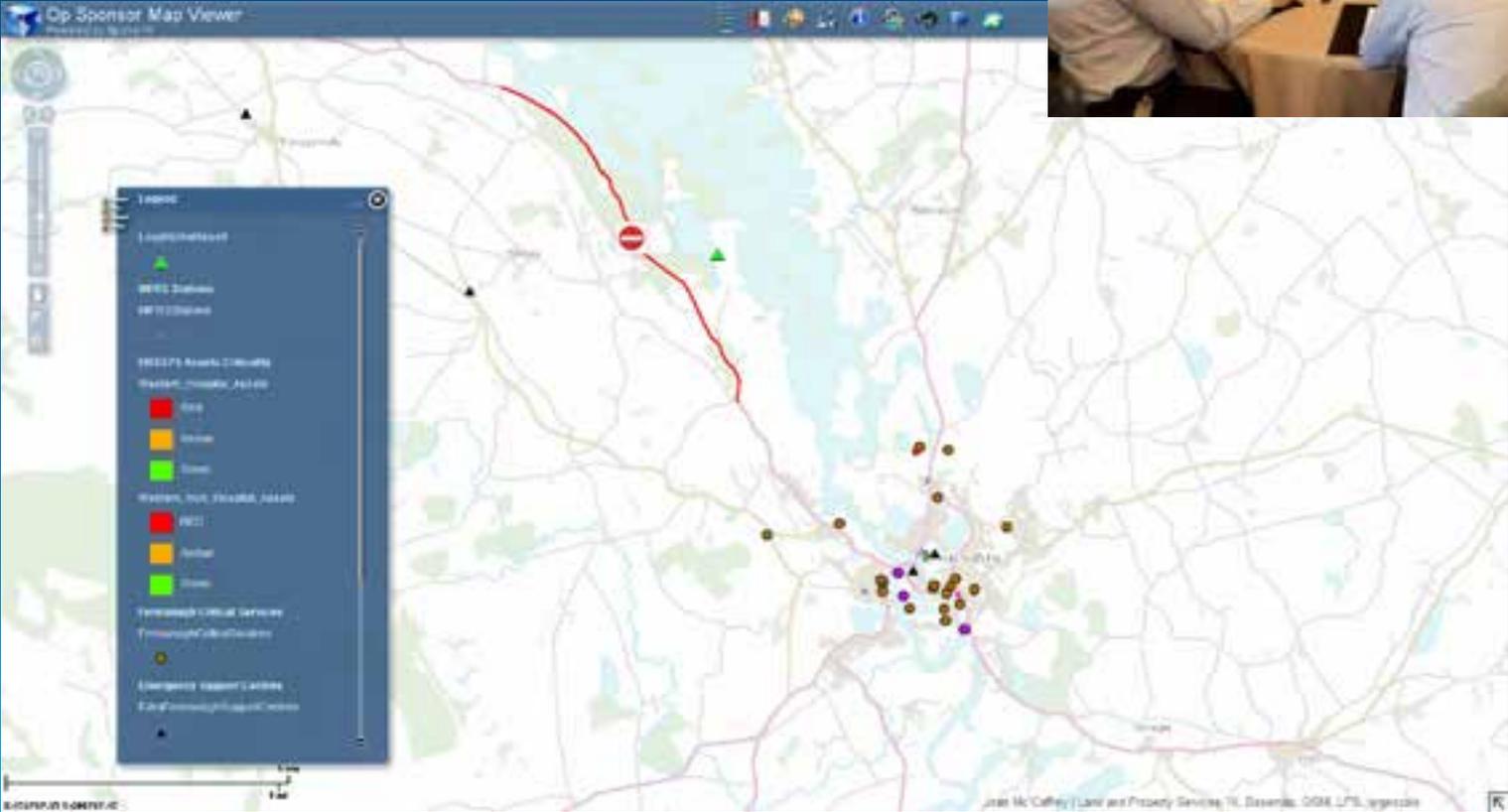
Critical incident response



Spatial NI use case

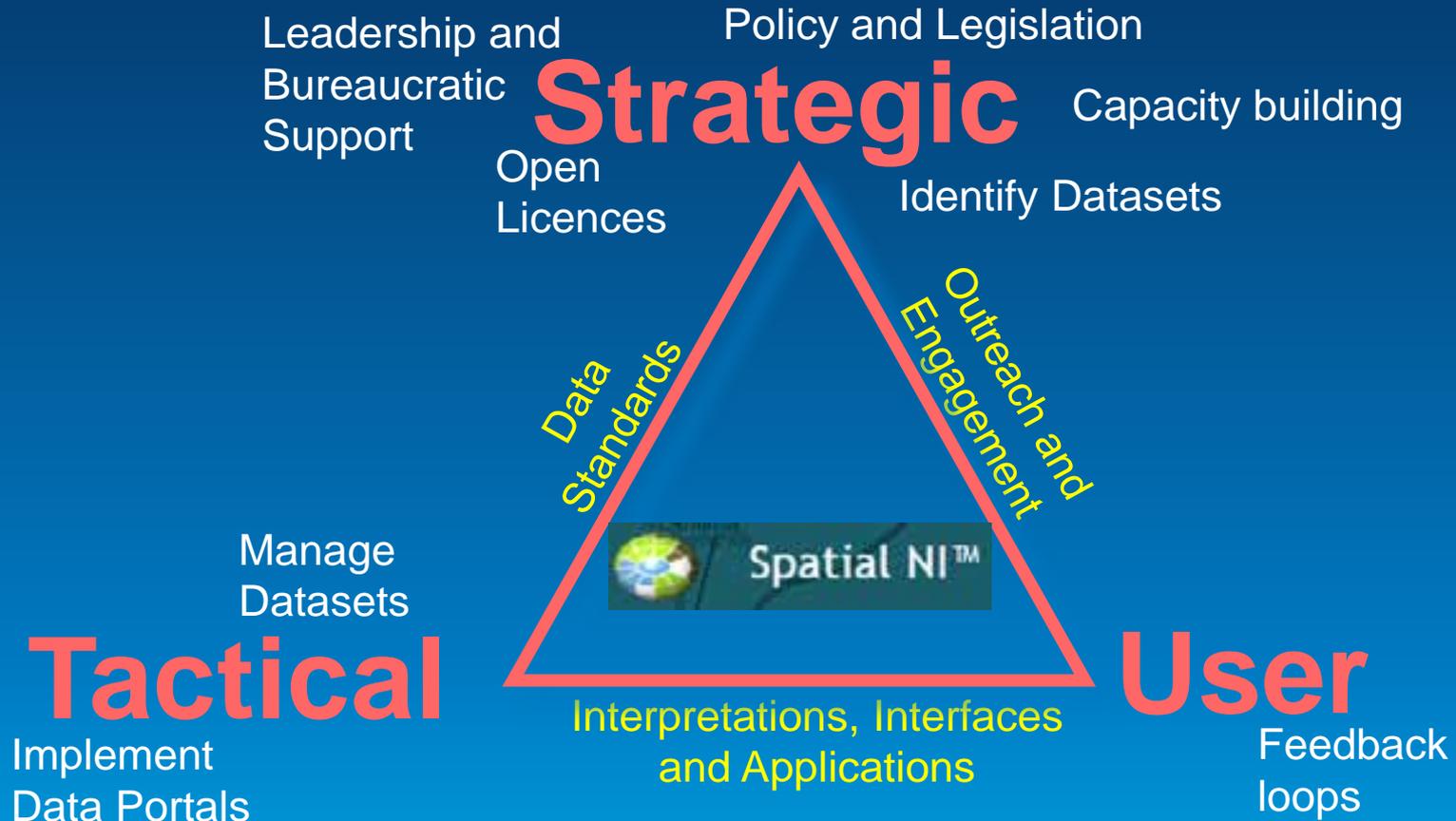
G8 summit

- Civil contingency...what if?



Spatial NI outcome

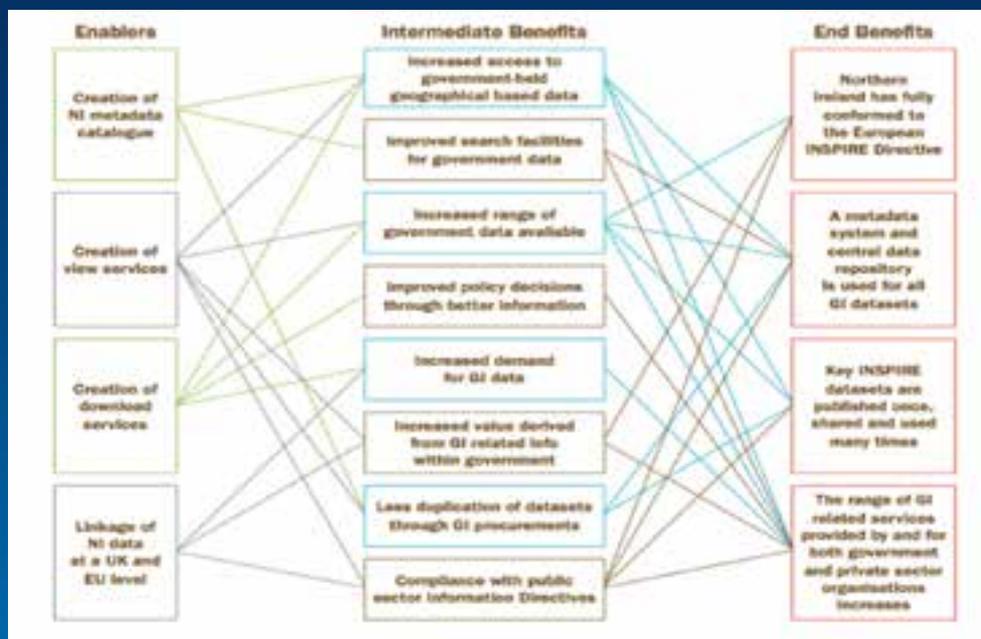
Building block to open data for Northern Ireland?



Spatial NI

Summary

- Savings (£)
- Quick deployment
- Ease of use
- Expansion
- Opportunity



Key? = INSPIRE and beyond!

Many thanks

...and do connect with us

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