

IMPACT OF GEOSPATIAL AGENCY INFORMATION AND SERVICES

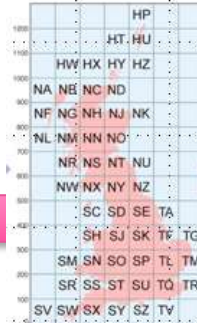
John Kedar

Ordnance Survey
International

CONSTANTLY TRANSFORMING: FROM 1791 TO.....



1791 to 1950s
Initial survey



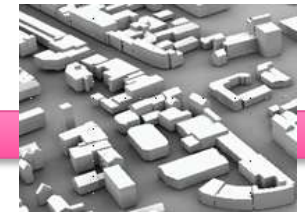
1936 to 1955
National Grid



1971 to 1995
Digital mapping



2000 to 2001
Object-based data model



2011
Rich data components

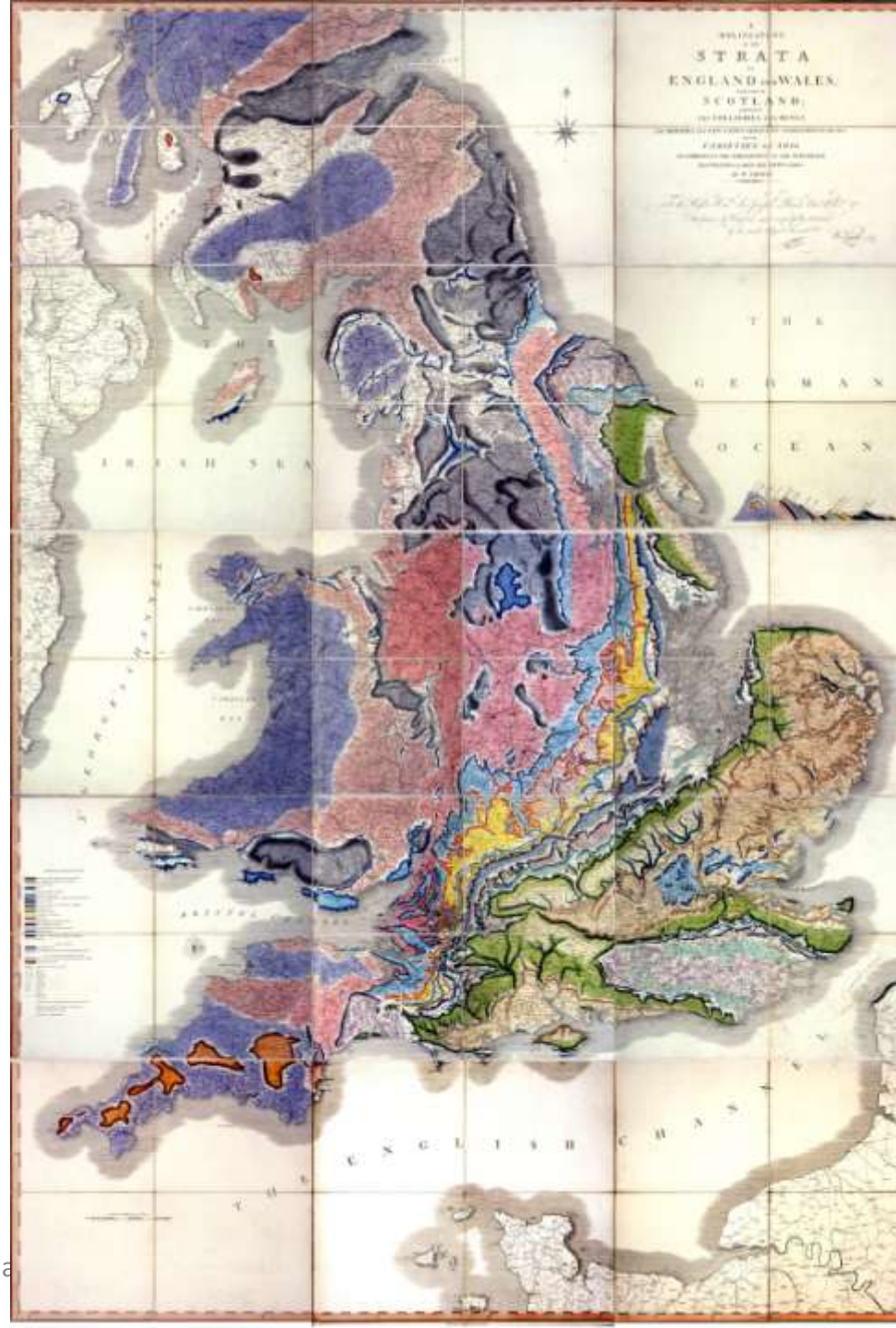
Helping customers make sense of their world with authoritative information about location...

...supplied according to the technology requirements of the day

RESTLESS AND INNOVATING



1815
WILLIAM SMITH



LOCATION THE VITAL INGREDIENT



LOCATION INFORMATION IS IMPORTANT TO THE MODERN NATION

- Geography is the stage on which all natural and human activity occurs. It underpins government, economic growth and the citizen through:

- ✓ National addressing
- ✓ Urban planning
- ✓ Emergency response & public safety
- ✓ Land registration
- ✓ Tourism
- ✓ Agriculture
- ✓ Water and energy
- ✓ Security, defence & intelligence
- ✓ Environmental programmes
- ✓ Transport planning and management
- ✓ The list goes on.....

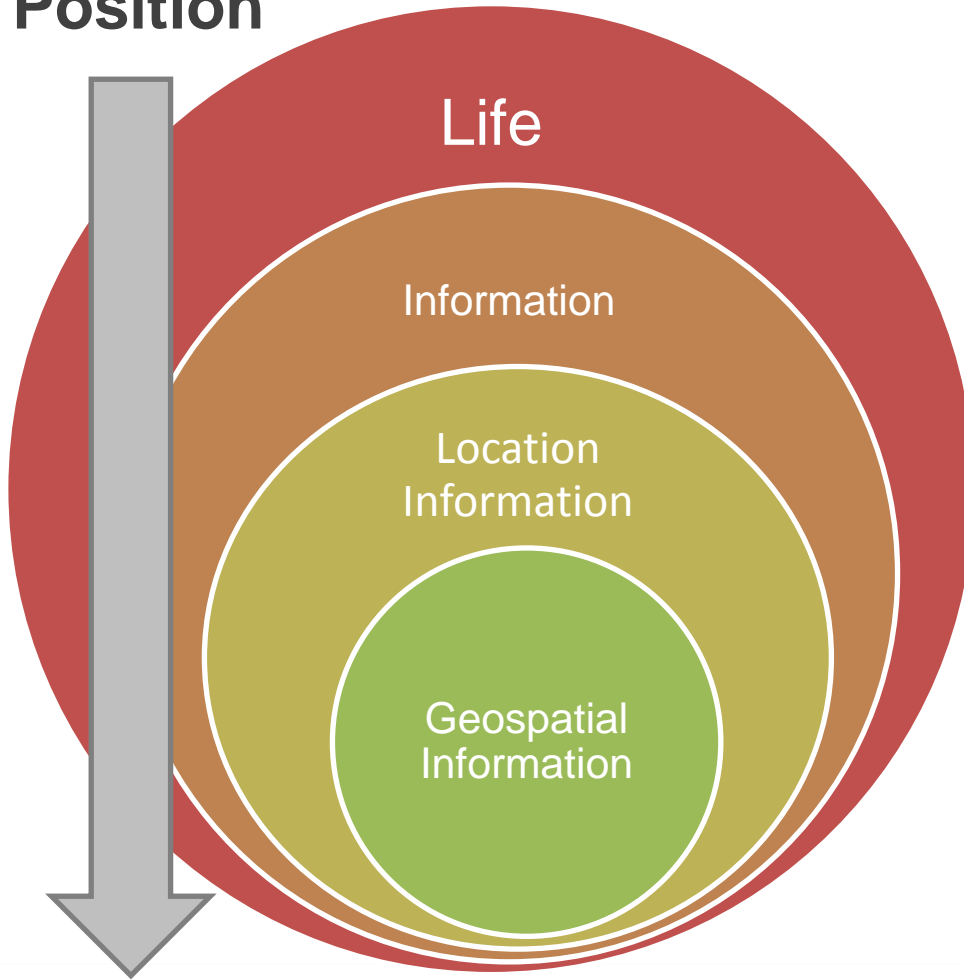
- All which require **‘trusted’** location information



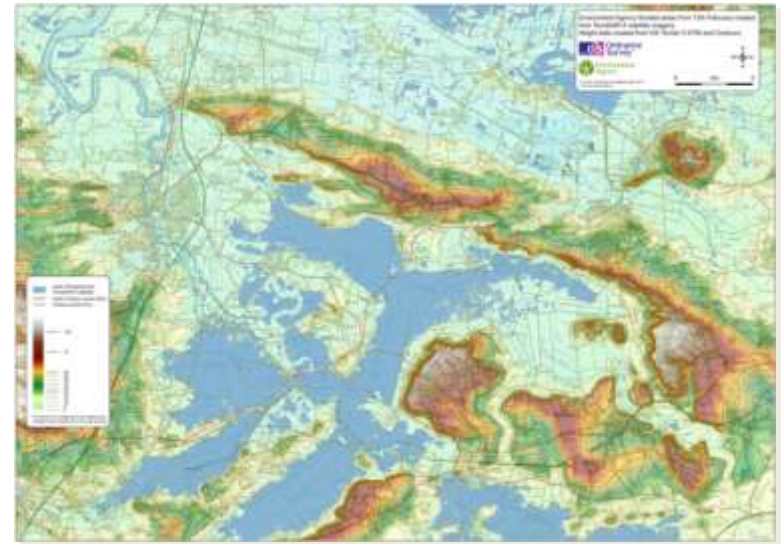
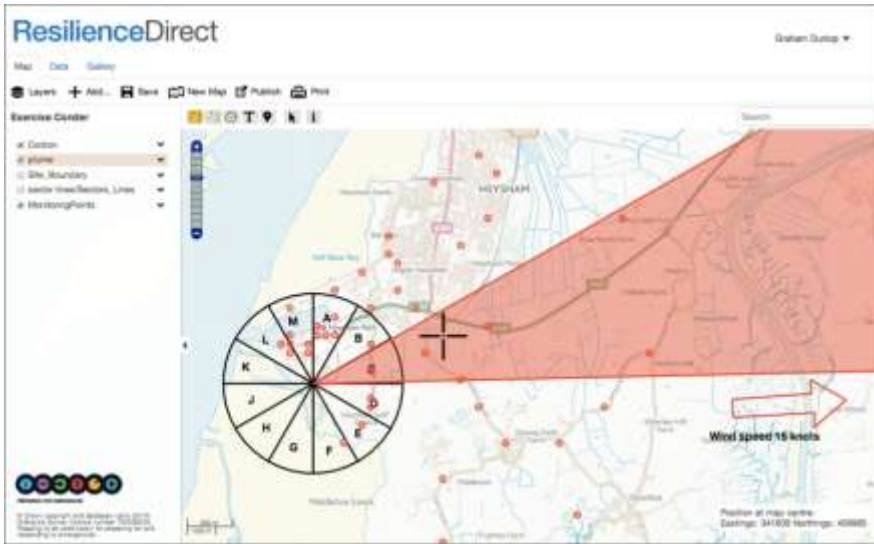
“I am also pleased to see that the importance of reliable, trusted geographic information is now recognised. The United Nations has now established a Committee of Experts of Member States, which the UK co-chairs, to move this agenda forward”

GEOSPATIAL INFORMATION IS A BUT A SUBSET.....

Position



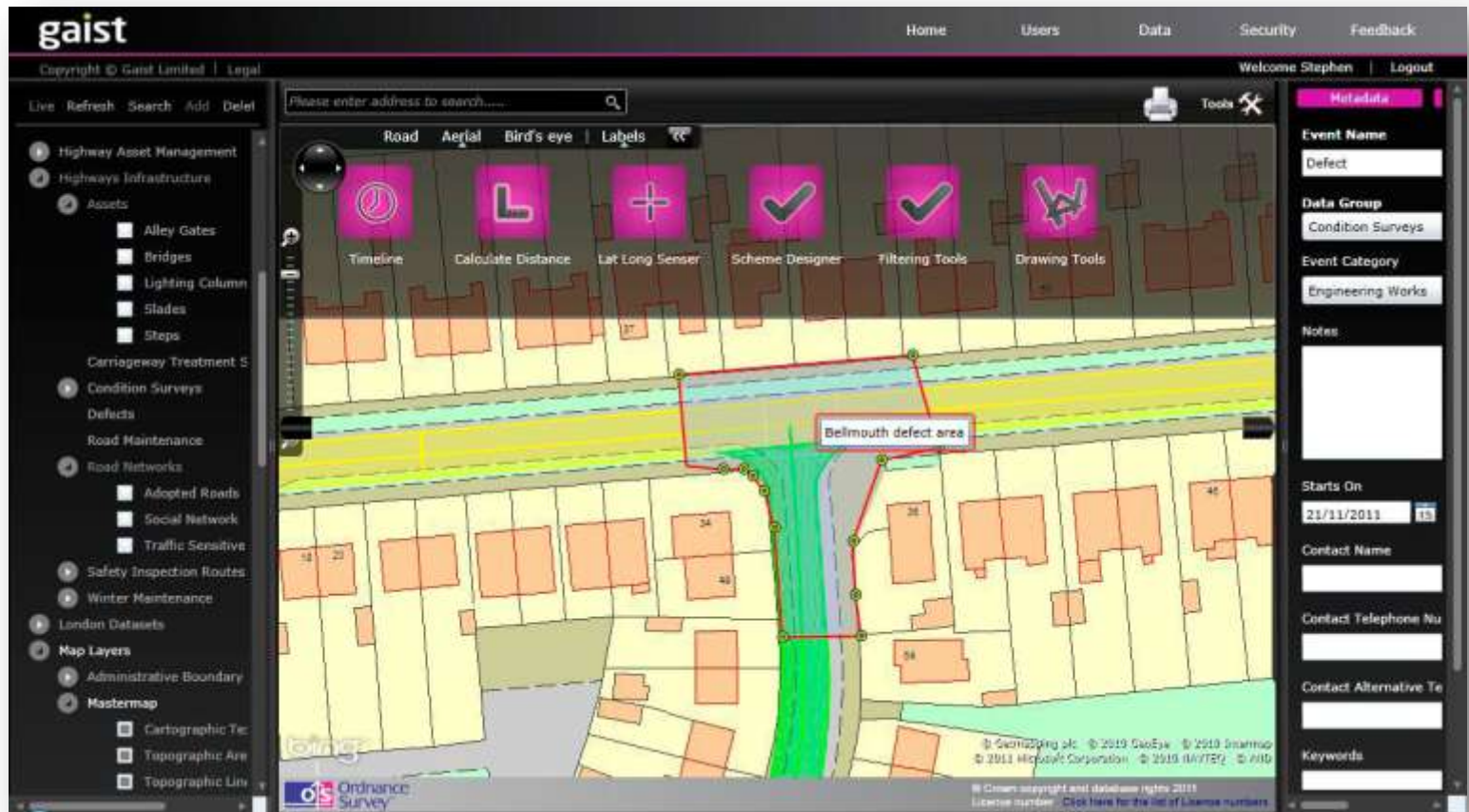
RESILIENCE



SECURITY OF LAND OWNERSHIP

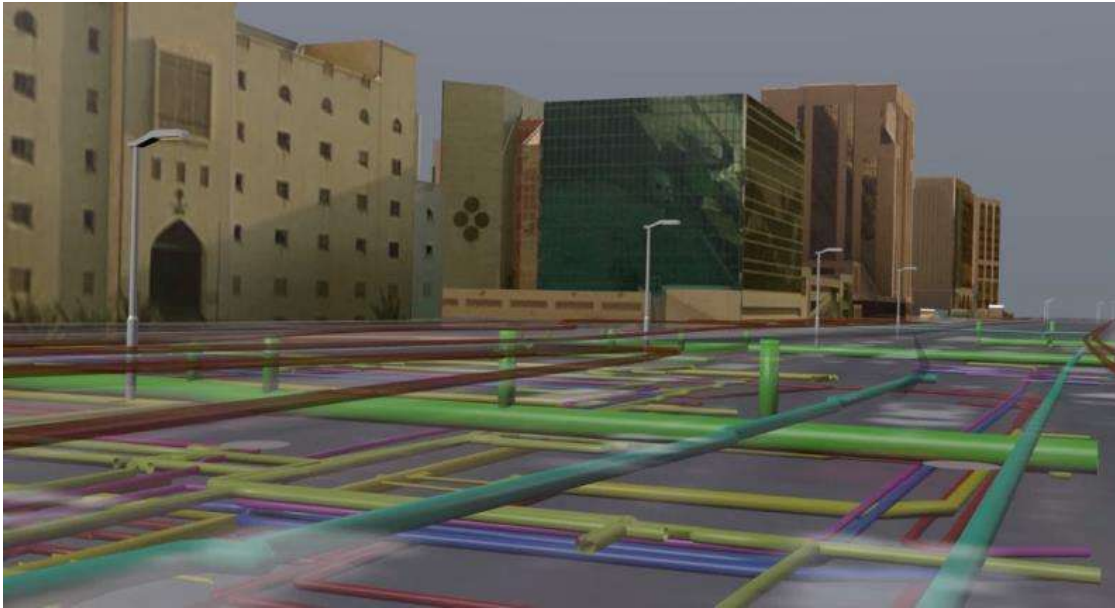


BLACKPOOL MUNICIPALITY ROAD MAINTENANCE



- Ordnance Survey data, condition surveys and GIS technology enable proactive planning of road maintenance
- Saving Municipality £4 million a year

THE FULLY INTEGRATED APPROACH – SMART / SECURE / FUTURE CITIES



LOCATION BASED ADVERTISING



- “The huge increase in productivity, brought about by using the Spatial Information System, along with Ordnance Survey’s OS OpenData®, has also allowed us to change the way we do business”.

AGRICULTURE



GAMING AND APPS

BBC Sign in News Sport Weather iPlayer TV Radio More... Search

NEWS TECHNOLOGY

Home World UK England N. Ireland Scotland Wales Business Politics Health Education Sci/Environment Technology Entertainment & Arts

23 September 2013 Last updated at 23:25 4.7K Share

Minecraft game adds Ordnance Survey GB terrain data

By Matthew Wall
Technology reporter, BBC News



Minecraft players can now build on this geographically accurate map of Snowdonia

Minecraft, the highly popular building and monsters video game, can now incorporate accurate Ordnance Survey terrain data of Great Britain in its blockwork virtual world.

The game's 33 million players can build worlds atop of geographically accurate landscapes representing 224,000 sq km (86,000 sq miles) of

Top Stories

- Miliband hits back at energy firms
- Kenya mourns mall attack victims
- UK women admit Peru drug smuggling
- Hundreds dead in
- Firefighters strike

Features

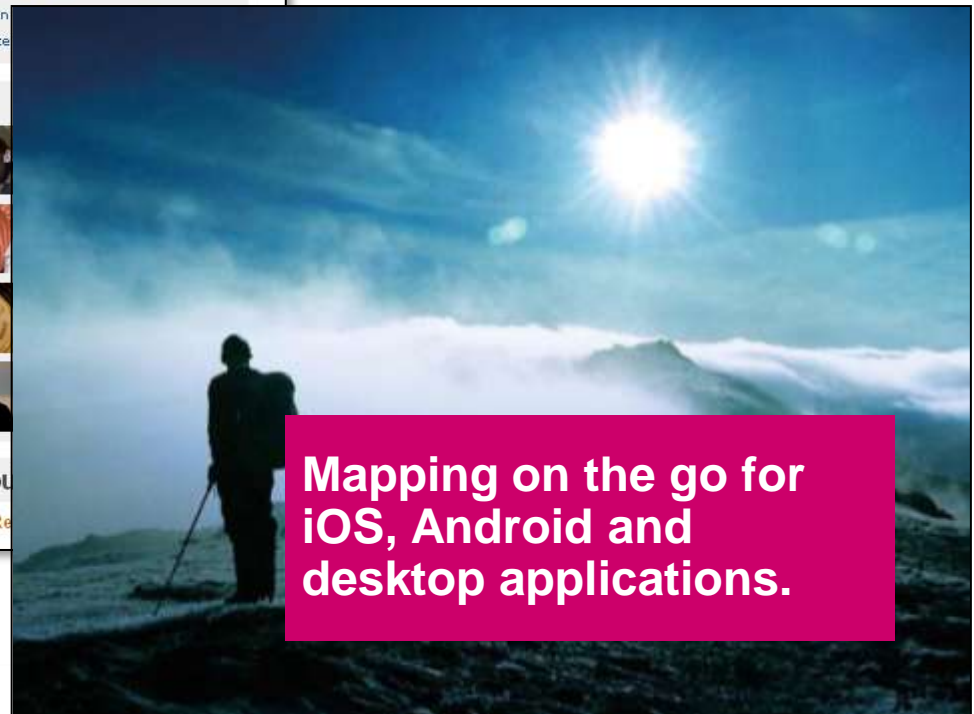
- [Image of a man in a hat]
- [Image of a man's face]
- [Image of a person's face]
- [Image of a person's face]

Related Stories

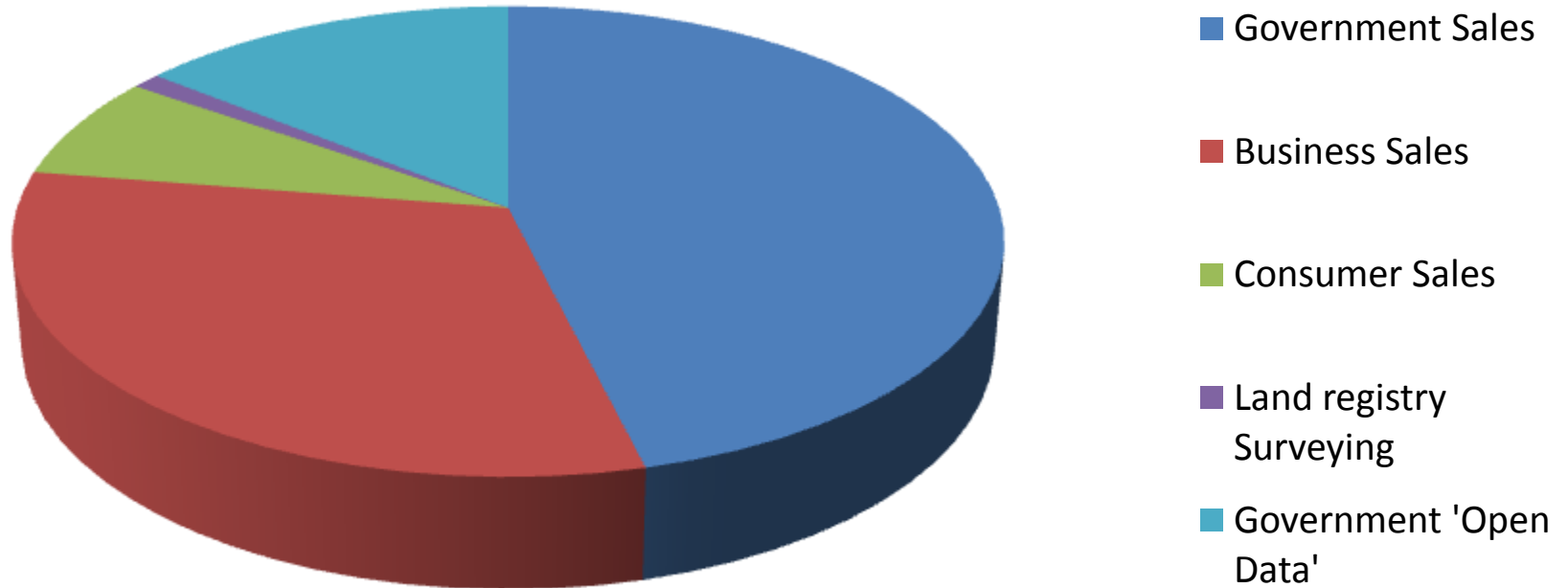
Why Minecraft is more than just another video game

Most Popular

Shared Re



REVENUE ANALYSIS

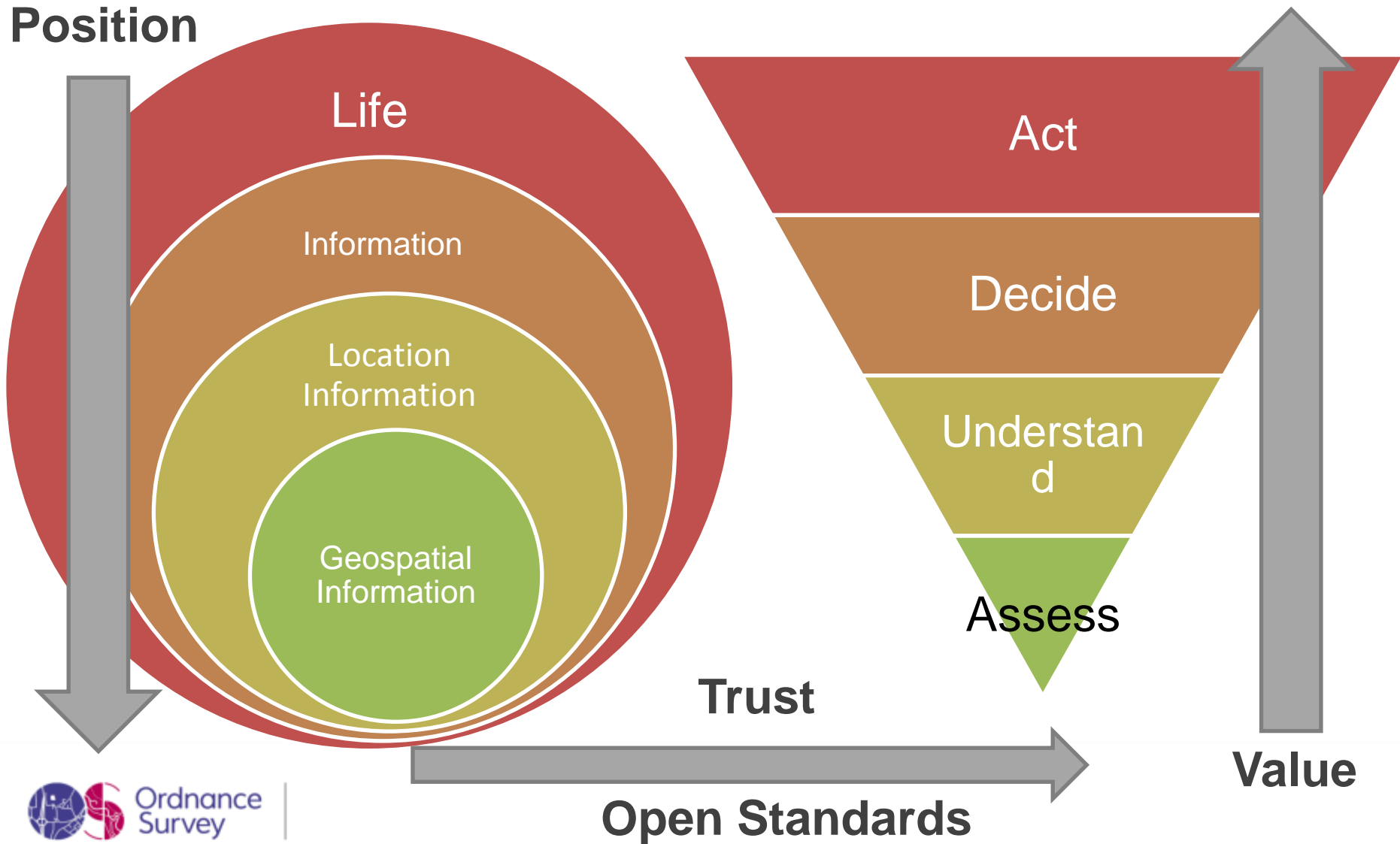


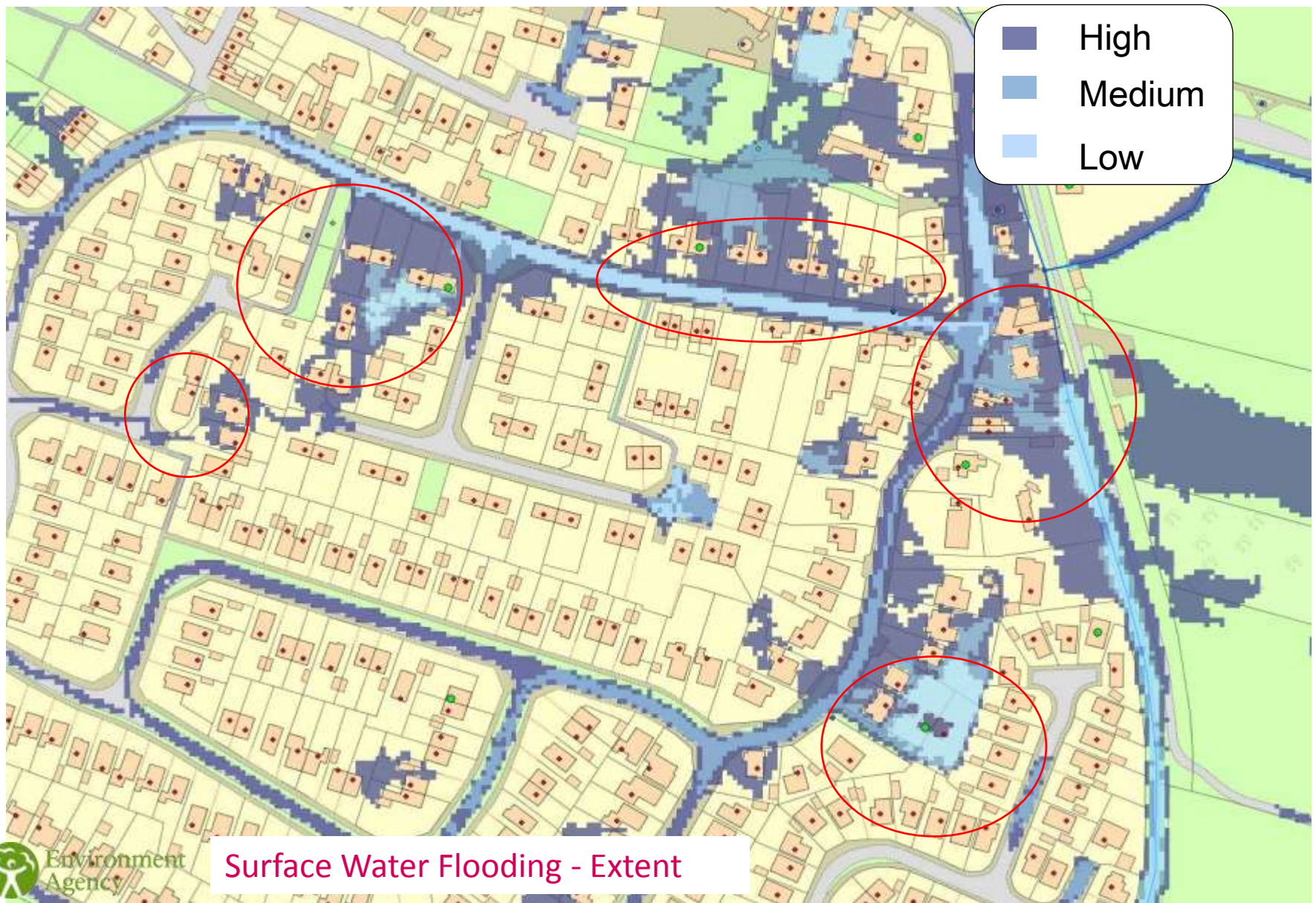
Approximately 14% revenue returned to government as 'profit'

THE ECONOMIC CONTRIBUTION

Year	Study	Relates to:	Country	% value to Economy
2008	ACIL Tasman	Impact of modern spatial information technologies	Australia	0.6-1.2%
2008	ACIL Tasman	GI contribution to productivity	New Zealand	0.6%
2010	Consultingwhere	7 Public Sector Services Productivity Related benefits	UK Public Sector	0.23%
2012	Richard Zerbe and Associates	Net benefit of GIS alone	King County Washington	0.09%
2012	Boston Consulting Group	Geospatial Industry (including remote sensing satellites)	USA	0.5%
2013	Oxera	Geospatial Industry as % of GDP	Global	0.2%
2014	Indecon	GI Contribution to the economy	Ireland	0.33%
2015	Geoconnections	Contribution of geospatial industries and GI to GDP	Canada	1.1%

INTEGRATION BRINGS VALUE

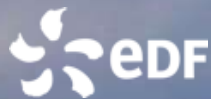




IRELAND INDECON STUDY GI SIGNIFICANCE BY SECTOR

Ranking of Significance of Government and Corporate users of Geospatial Information	
Users	Percentage of Rating as significant or very significant user of GI
Local Government/Local Authorities	84%
Utilities (Energy, Water, Telcos etc.)	81%
Central Government	79%
Architects, Engineers and Other Construction-related	64%
Agriculture, Forestry & Fishing Sector	50%
Education Sector	47%
Transport/Logistics Sector	42%
Multinational Companies	40%
Health Sector, incl. Hospitals and Emergency Services	35%
Defence Sector	27%
Other Businesses	25%
Retailers	23%
Other Services Companies	17%
Value Added Services Providers	13%
Source: Indecon Confidential Survey of GI user and supply companies	

PARTNERS WITH SUPPLIERS AND CUSTOMERS



INDUSTRY AND ACADEMIC PARTNERSHIP

- Geospatial leaders
- Standards
- Agile Development Research



Data storage and Serving



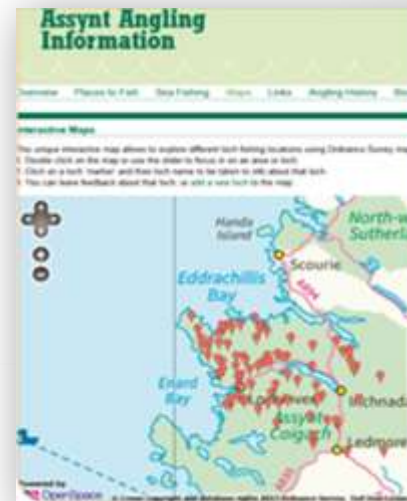
Linking and Analysis



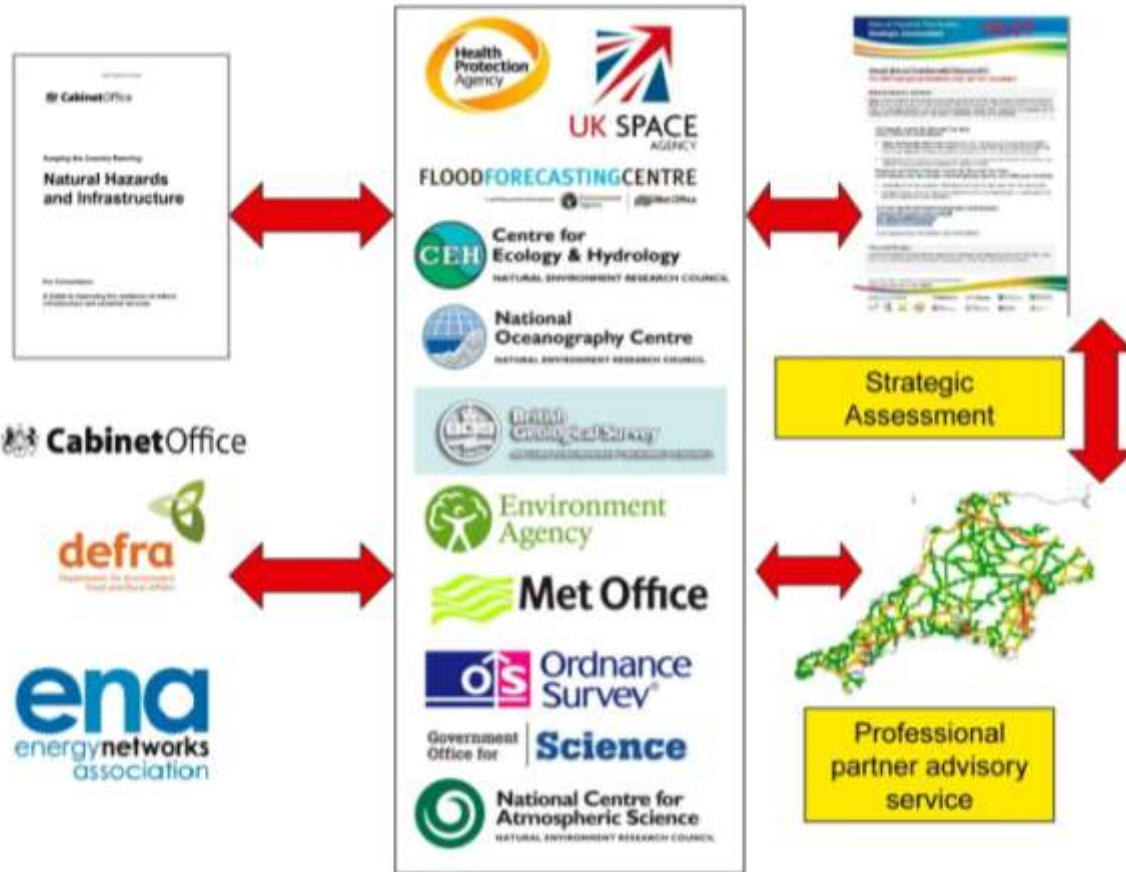
Access, Capture and Visualisation

PARTNERING WITH GOVERNMENT

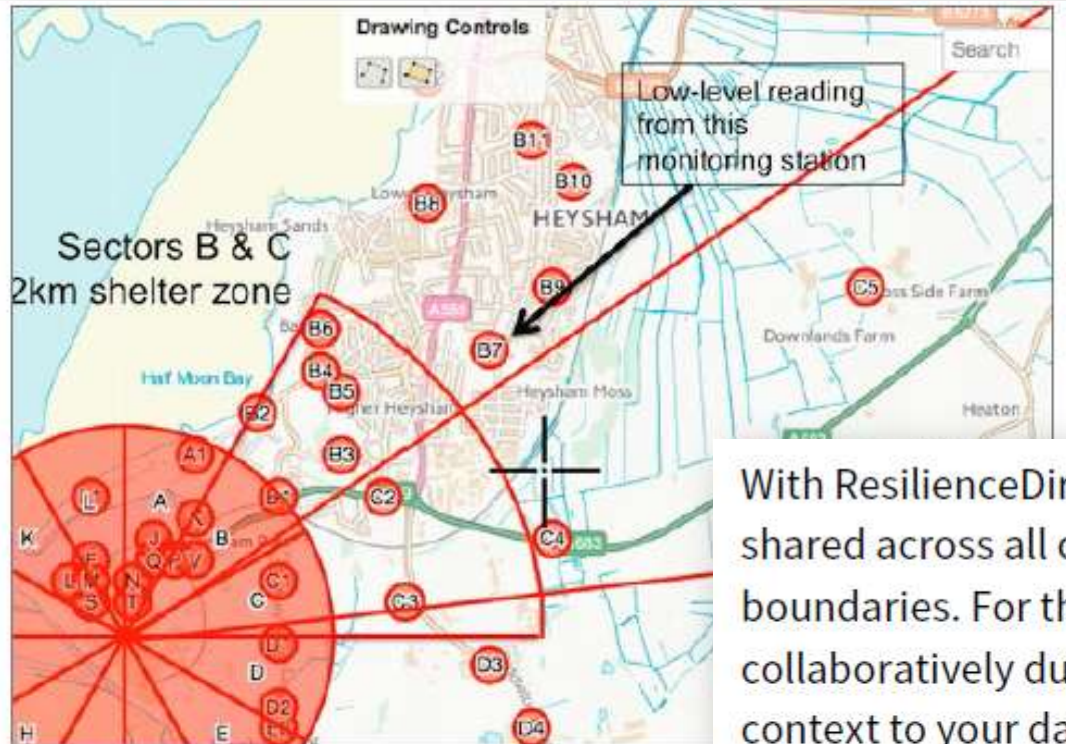
- **Public Sector Mapping Agreement (PSMA)**
- **One Scotland Mapping Agreement (OSMA)**
- **OS OpenData Agreement**
- **Supporting Government**
 - Civil Contingencies Secretariat
 - Mapping For Emergencies
 - Supporting International Events:



NATURAL HAZARDS PARTNERSHIP



PARTNERING FOR RESILIENCE CROSS GOVERNMENT RESILIENCE DIRECT



With ResilienceDirect, real time information can be shared across all organisational and geographic boundaries. For the first time, organisations can work collaboratively during an incident. It brings location context to your data and can integrate with other live third party datasets making you better informed and able to make more accurate decisions, directly from your desktop or mobile device.

PARTNERS WITH MAKERS, THINKERS, SHAKERS



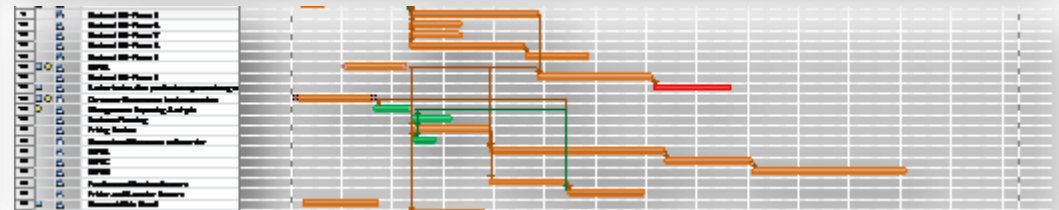
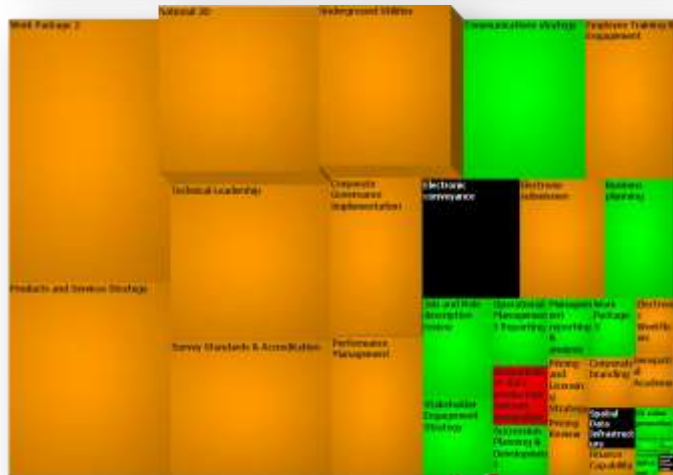
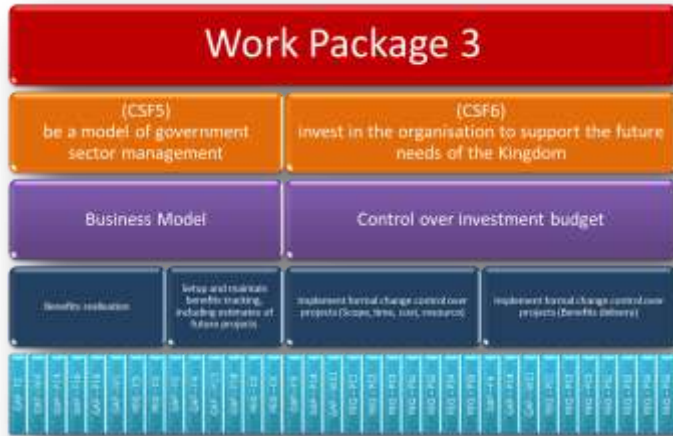
Imagine. Explore. Discover. Create.

PARTNERING WITH THE NEXT GENERATION

- Ordnance Survey maps are named as a mandatory study requirement for geography in the National Curriculum for schools in England and Wales
- GIS technology
- Ordnance Survey Data
- University students and researchers have similar access to Ordnance Survey data



PARTNERING INTERNATIONALLY



KEY POINTS

- ✓ **0.2% to 1.2% GDP Improvement plus range of non-financial benefits**
- ✓ **It is not geospatial data that adds value but its integration with other information to enable action**
- ✓ **Trust and standards**
- ✓ **Agenda is driven by our stakeholders BUT NMA leadership is more important now than ever**
- ✓ **National Geospatial Agencies deliver through partnerships**



John Kedar
Director of Strategic Relationships
John.Kedar@osi.os.uk

OS is Britain's mapping agency. To find out more about us, go to os.uk. If you'd like to talk to us, call +44 (0)3456 050505. For the hard of hearing, use Textphone +44 (0)2380 056146.
© Ordnance Survey 2015

