UK Location Programme Update

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UK Location Programme Director

Agenda

- Introduction
- Recent developments and active issues
- Publication status
- Data.gov.uk capabilities
- Technical implementation
- Policy context
- Engagement with data publishers and users
- Benefits realisation
- Looking forward
- Conclusions

INSPIRE data scope and deadlines

Annex I	Annex II	Annex III	
Geographical names **Administrative units** **Addresses** **Cadastral parcels** **Transport networks** **Hydrography** **Protected sites** **Coordinate reference systems** **Geographical grid systems**	Elevation Land cover Ortho-imagery Geology	Statistical units Mineral resources Natural risk zones Soils Species distribution Environmental monitoring facilities Population distribution & demography Meteorological features Agriculture and aquaculture facilities Oceanographic features Area management restriction / regulation zones & reporting units	Buildings Sea regions Land use Energy resources Habitats and biotopes Human health and safety Utility and government services Atmospheric conditions Bio-geographical regions Production and industrial facilities
Deadlines **Existing Data:**			
Discovery & view 2011	2011	2013	
Download 2012	2012	2013	
Compliant Data:			
New 2012	2015	2015	
Transformed 2017	2017	2020	

Recent developments

- Architecture and Interoperability Group established with sub-groups for data publication, business interoperability etc.

- Good progress on UK publication of data to meet the November 2011 INSPIRE deadline

- Geographic Search and Preview on Map available in data.gov.uk

- Location Council agreed strategic approach with more emphasis on user engagement, benefit delivery and skills and awareness – details being developed

Active issues

- Late delivery of download guidance from the Commission means that member states will miss the June 2012 deadline
- Annex III data specifications are unclear, inconsistent and potentially wide ranging – being reviewed with thematic working groups
- Ensuring publication and integration across multiple organisations
- Engagement approach for Annex III
- To what extent do we deliver wider than INSPIRE?
- Location Council role in relation to Open Data and Public Data Group

UKLP data on data.gov.uk in response to INSPIRE November 2011 requirement

	Actual	Target	Outstanding
INSPIRE			
Datasets	212 (93%)	229	17
Datasets with view services*	171 (75%)	100%	58
Organisations	32 (91%)	35	3
TOTAL			
Datasets	933	-	-
Organisations	34	-	-
% of data.gov.uk records	13%	-	-

Figures as at 20 February 2012

* We are reliant on data publishers measuring the performance of their services and confirming they are compliant with the INSPIRE performance criteria

Quick route to location data on data.gov.uk

http://bit.ly/mRkRQp

Key point of access . . .

Local data

Statistical data

Health data

Statute data

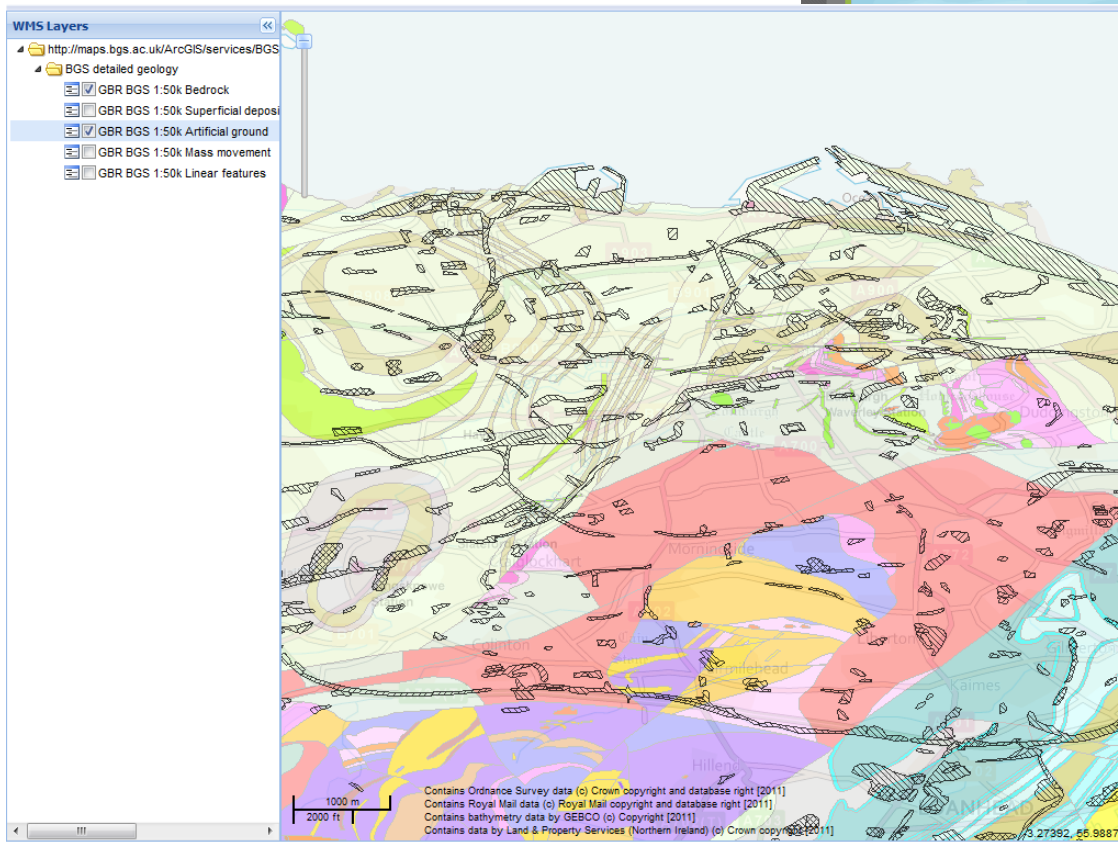Education data
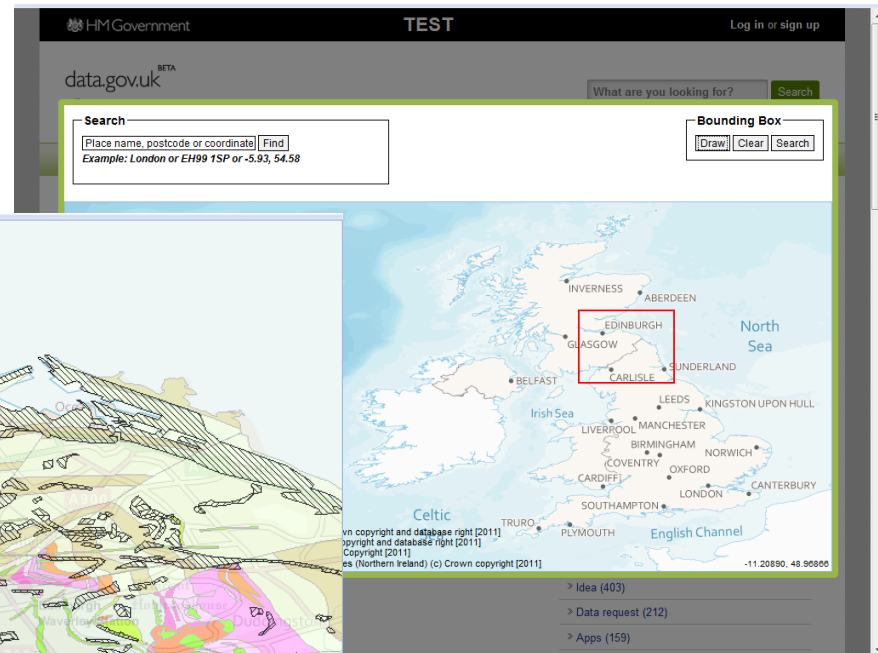
Location data

Transport data

Environment data
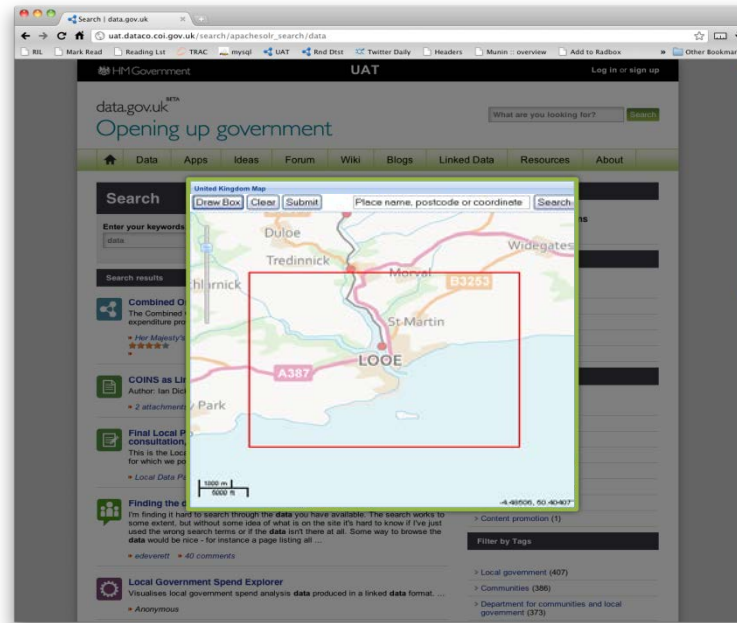
data.gov.uk

Discover, evaluate, access, link to, reuse online
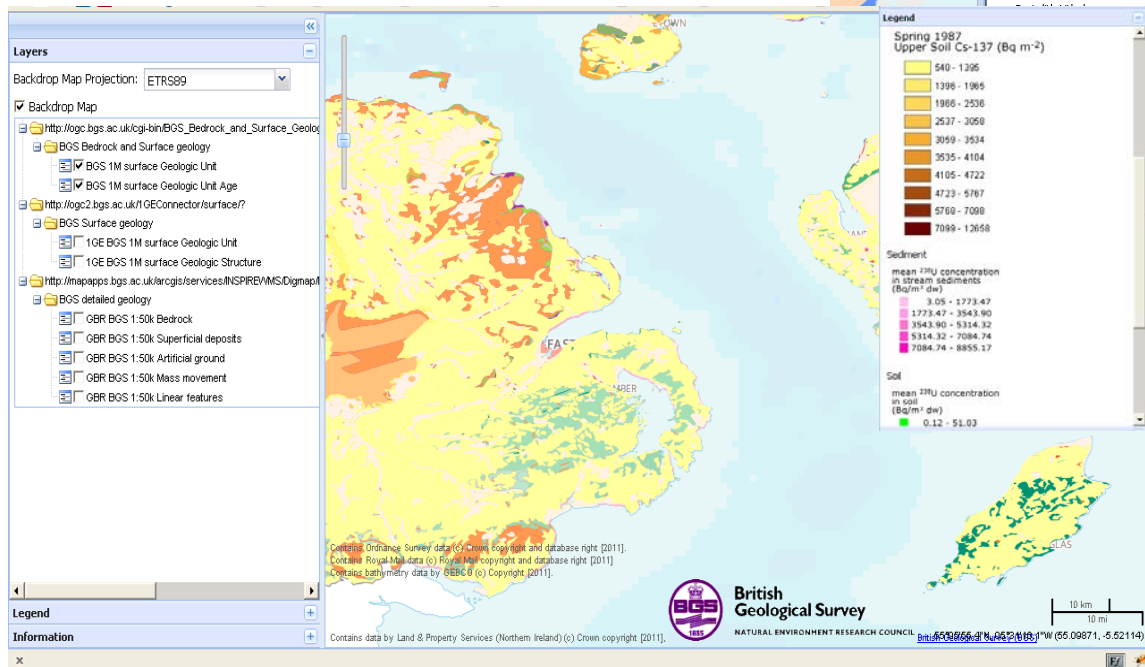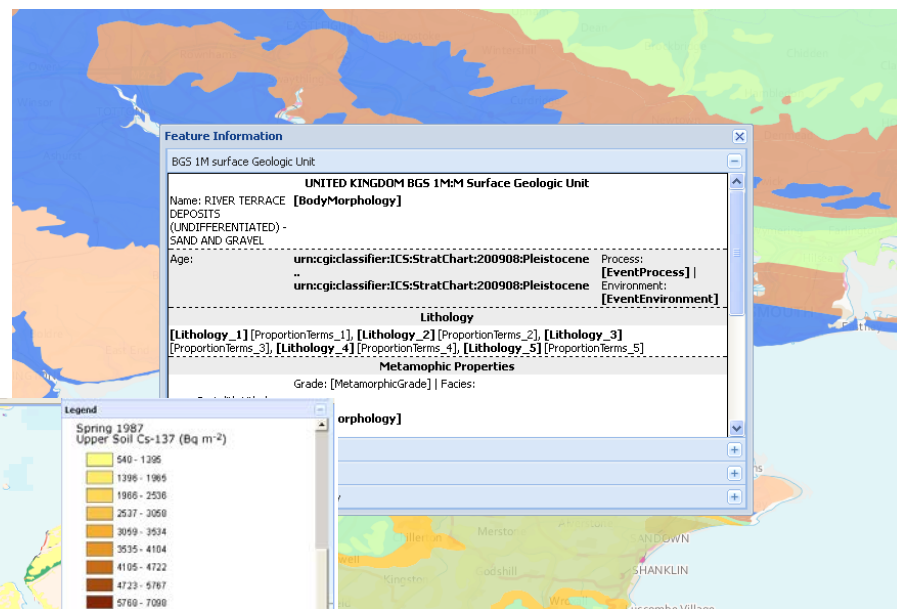
UKLP enhancements to data.gov.uk

Search: Boundary box search
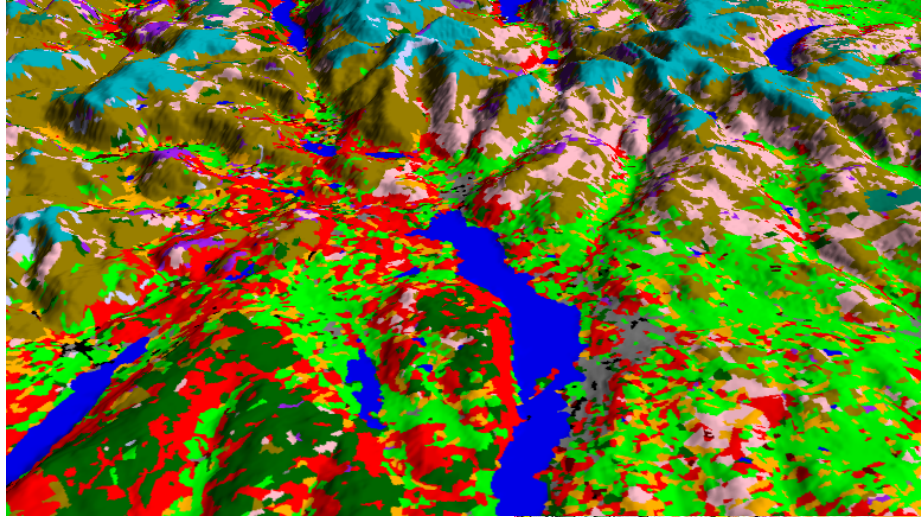

Preview:
Evaluate up to
10 data layers

What's next for "Preview"?
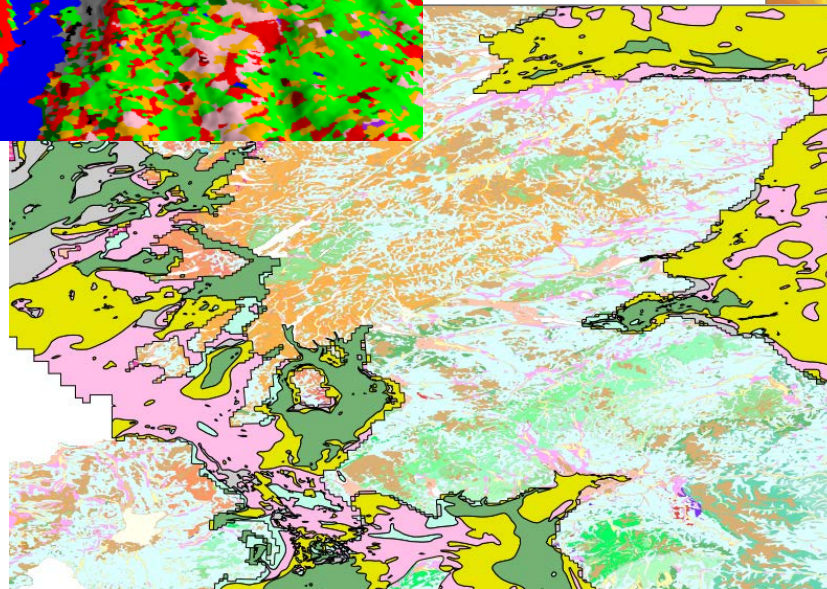
Features: Using web feature services

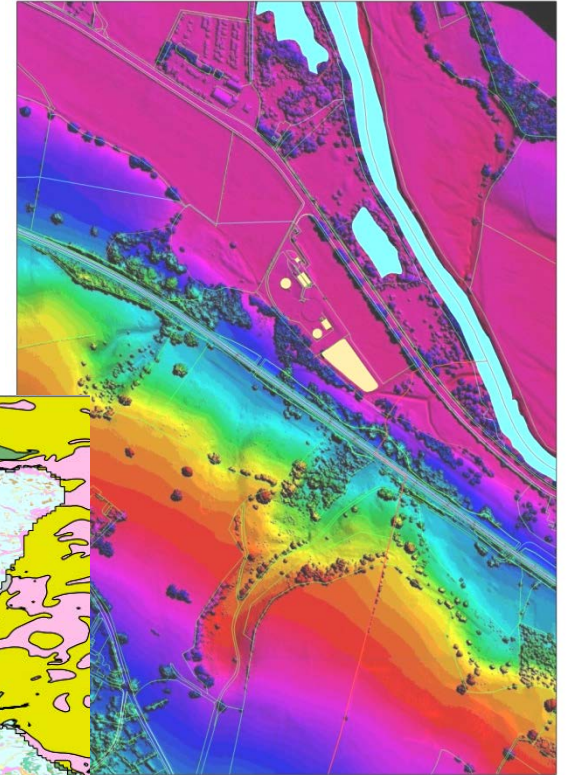**Legends:** Display contextual legends

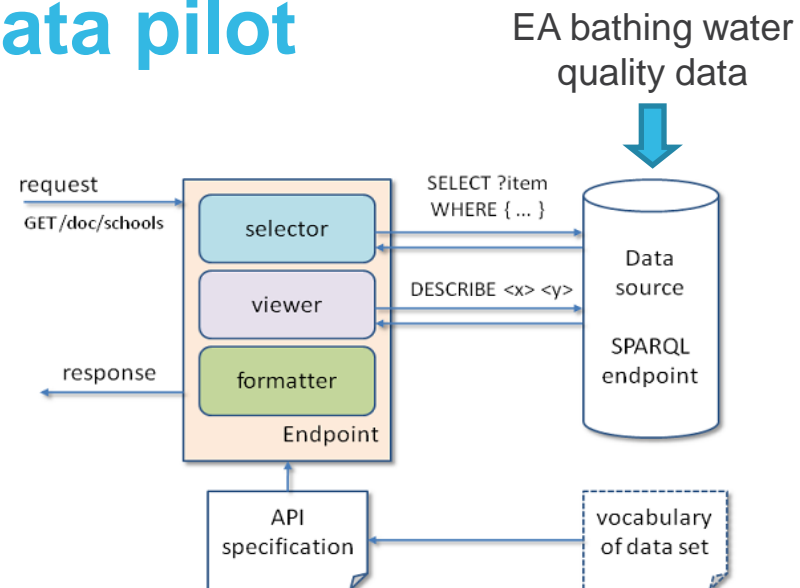# Applications can be built with this data . . .

Land cover and terrain model

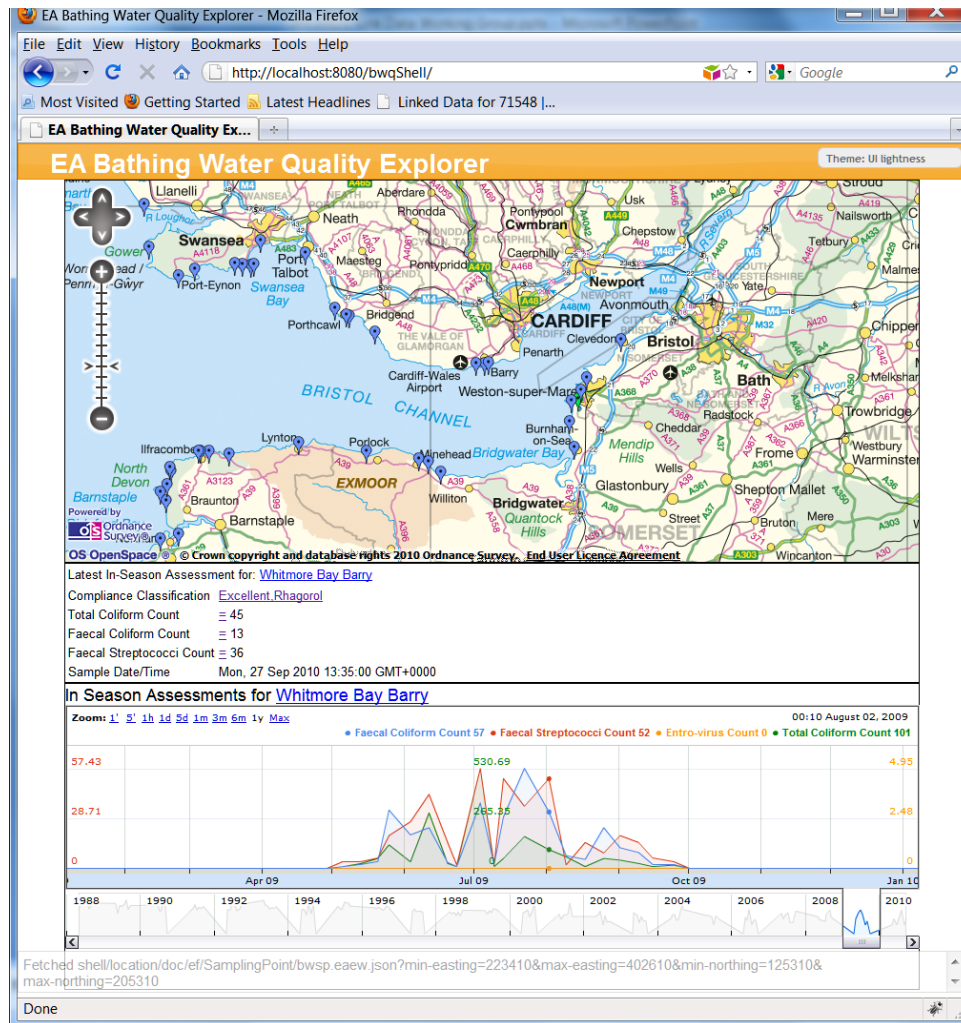
Bedrock and superficial geology

LIDAR digital surface model
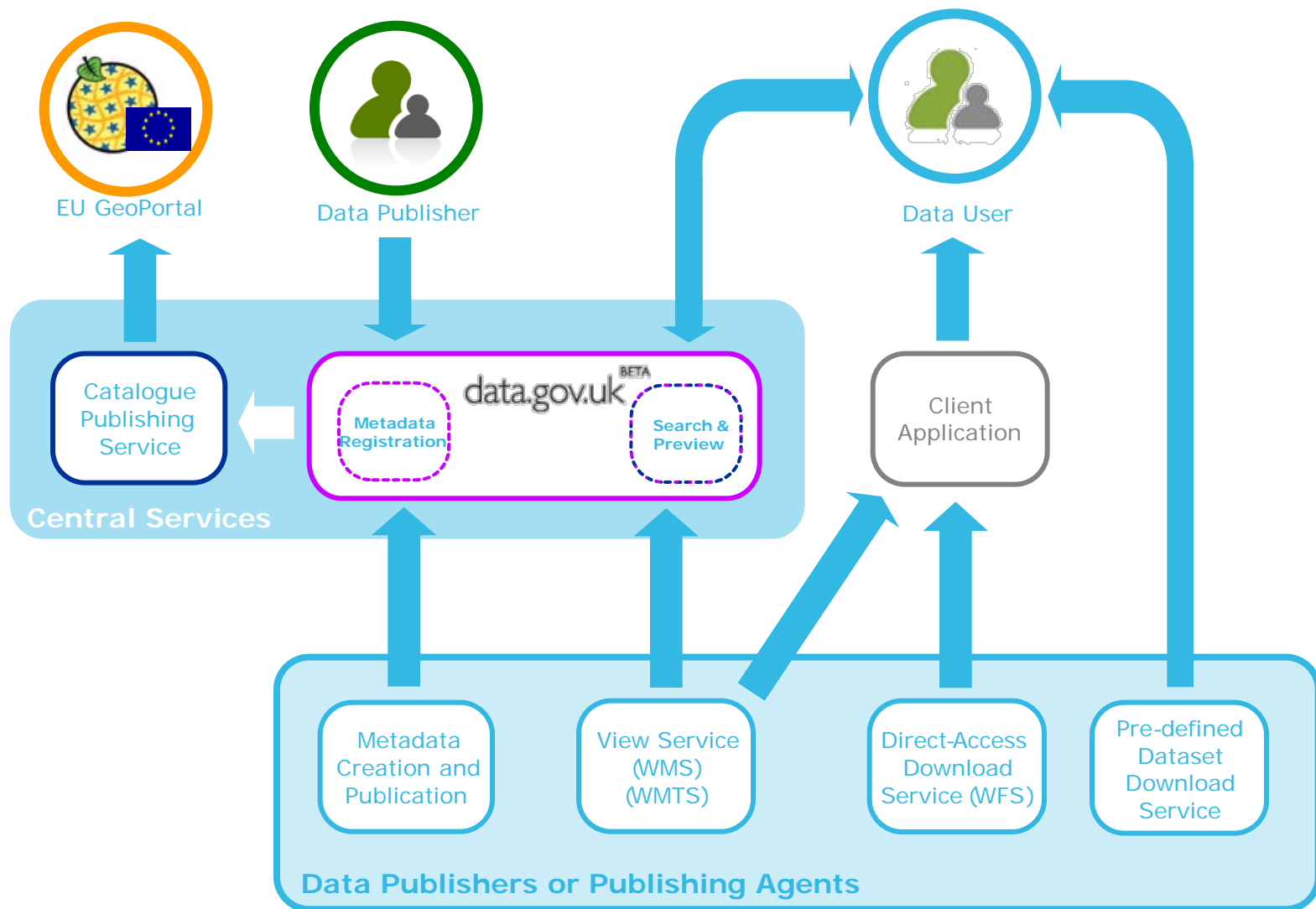
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Using INSPIRE data: Environment Agency bathing water linked data pilot
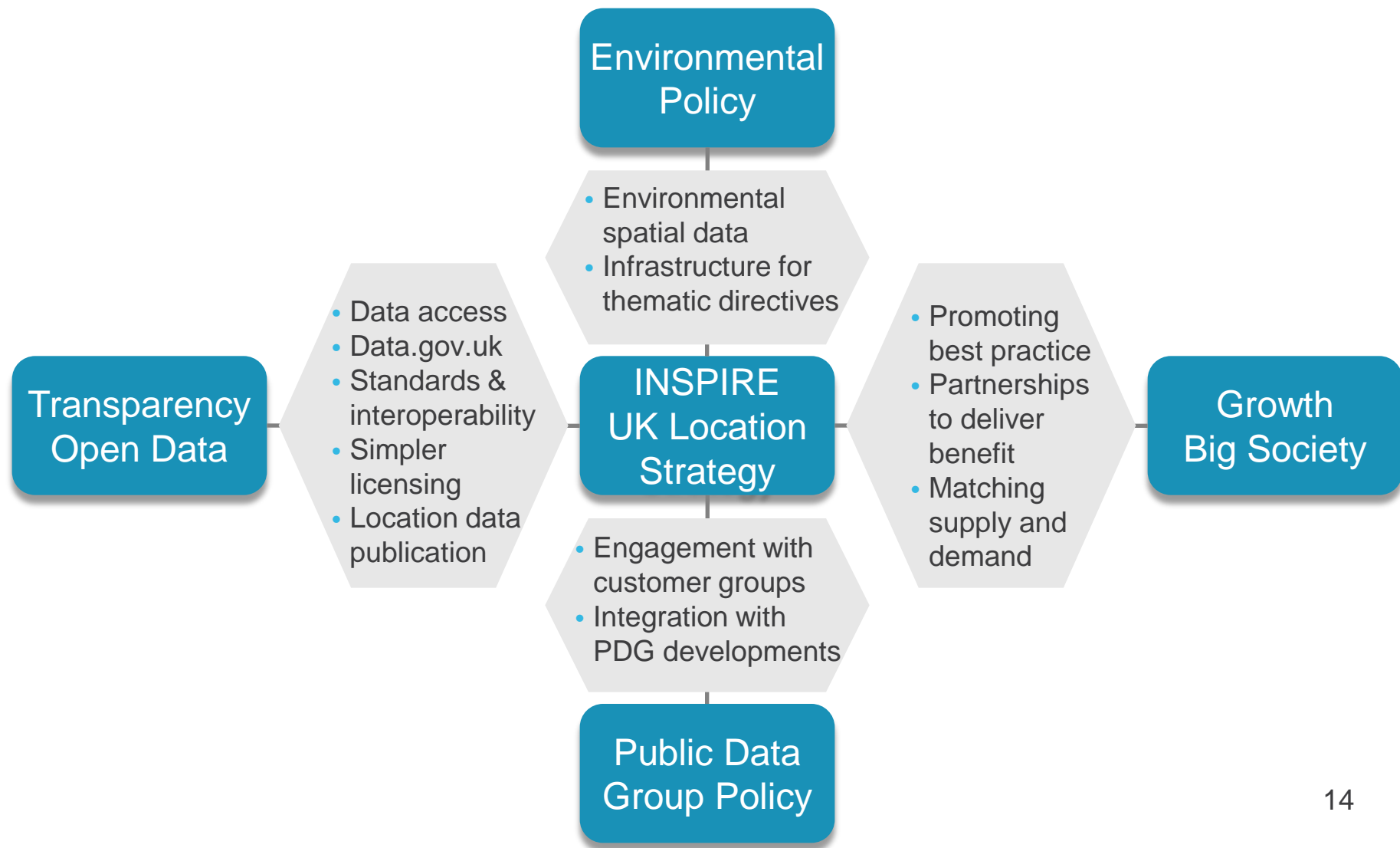

EA bathing water quality data

- Uses data from EA and OS
- Potential for linking to other data to see the relationships between bathing water quality and visitor numbers and meteorological events such as storms
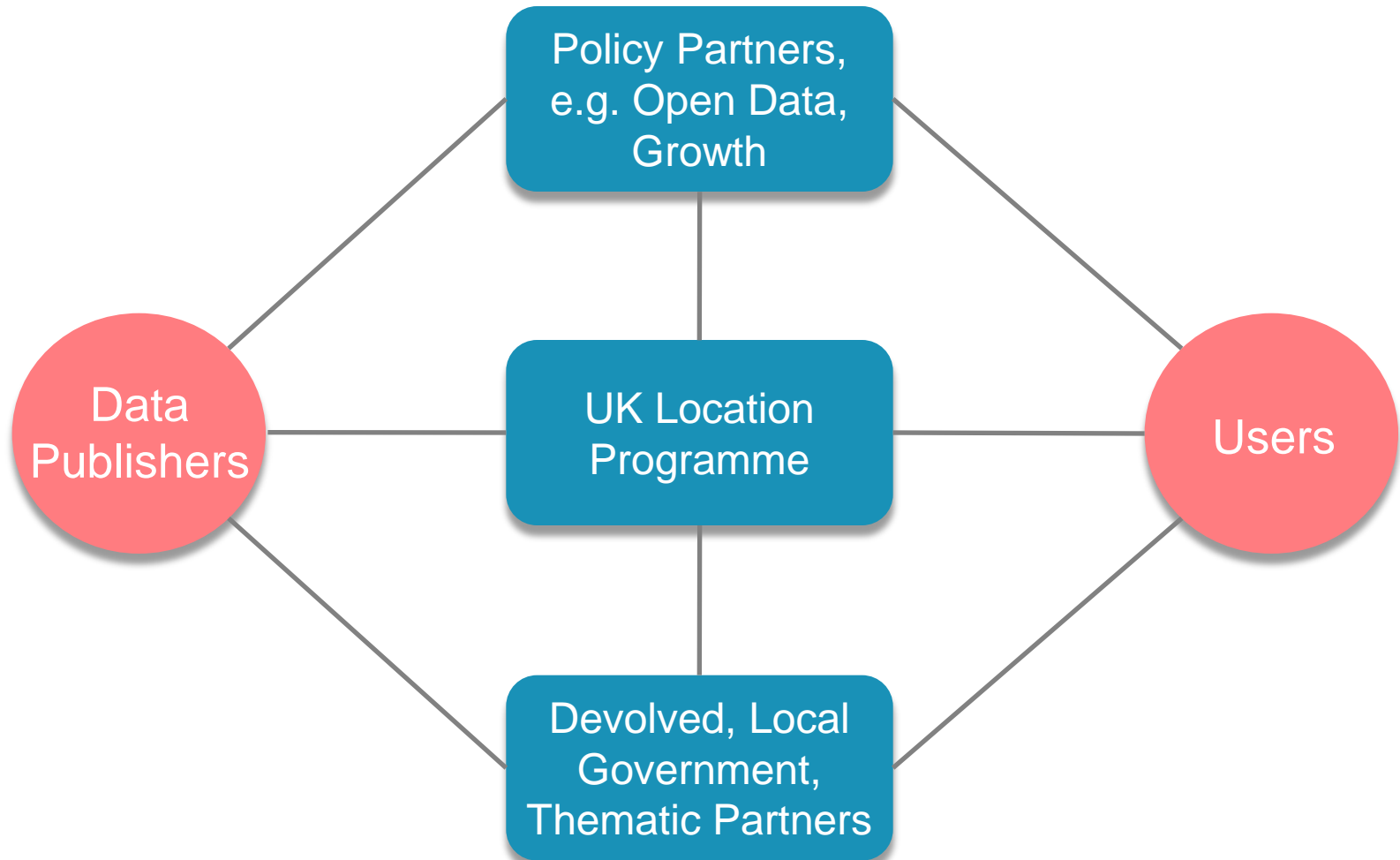
UK Location core IT infrastructure

EU GeoPortal

Data Publisher

Data User

Central Services

Catalogue Publishing Service

data.gov.uk BETA

Metadata Registration

Search & Preview

Client Application

Data Publishers or Publishing Agents

Metadata Creation and Publication

View Service (WMS) (WMTS)

Direct-Access Download Service (WFS)

Pre-defined Dataset Download Service

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UKLP key policy relationships

Environmental Policy

- Environmental spatial data
- Infrastructure for thematic directives

Transparency Open Data

- Data access
- Data.gov.uk
- Standards & interoperability
- Simpler licensing
- Location data publication

INSPIRE UK Location Strategy

- Promoting best practice
- Partnerships to deliver benefit
- Matching supply and demand

Growth Big Society

- Engagement with customer groups
- Integration with PDG developments

Public Data Group Policy

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Engagement with data publishers and users

Policy Partners, e.g. Open Data, Growth

Data Publishers

UK Location Programme

Users

Devolved, Local Government, Thematic Partners

Engagement with data publishers and users

Phase 1 (2010 – 2011)

- Annex I and II existing datasets
- Discovery and view services
- 35 organisations
- Experienced in data publication
- 230 datasets
- Some non INSPIRE data
- Engagement more with data publishers than users
- Supply focus
- Wider context of transparency agenda and publication of data about the operation of government
- Introduction of open government licence

Phase 2 (2012 – 2013)

- Dataset maintenance
- Newly discovered Annex 1 and II existing datasets
- New Annex I datasets compliant with data specifications
- Download and transformation
- Annex III existing datasets
- 500+ organisations
- Many inexperienced in data publication
- 5000+ datasets
- More non INSPIRE data
- Balanced engagement with data providers and users
- Matching demand and supply
- Focus on benefits
- Policy shift to open data, growth, high value datasets

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Engagement with data publishers and users

Phase 1 (2010 – 2011)

Data Publishers

- Theme Groups co-ordinate publication
- Data Publishing Working Group advises on and assures publication approach
- UKLP publication software and guidance, integration with data.gov.uk
- Simplified licensing based on OGL
- Workshops for publishers and suppliers
- UKLP monitoring, assurance and co-ordinated testing
- Satellite co-ordination in devolved administration and thematic areas
- Website and help desk

Users

- User Group provides Council with steer on issues and input to Programme on benefits strategy
- Sub groups for third sector, retail demographics and environmental research
- Sub group testing IT services
- GI case studies published from user community
- UKLP pilots and early adopter projects

Phase 2 (2012 – 2013)

- Theme Groups replaced by on-line communities
- Webinars to share information
- Documentation using wikis
- Data Publishing Working Group manages activities to resolve specific issues
- Increased focus on Open Data and Linked Data
- Feedback from data.gov.uk and on-line communities on dataset issues and new demands
- Demand based publication schedule

- Location Council part of Open Data governance, helping release key datasets
- User Group drives benefit delivery placing demands on Programme Board
- More user sub groups, e.g. insurance, infrastructure
- Sub group leads work through on-line communities
- Best practice case studies use UKLP data and services

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What benefits can we expect?

Delivering more for less

- Reducing costs of delivery while providing more value
- Cutting duplication and promoting reuse

Better services

- More effective and responsive public services
- Better cross organisational coordination

Enabling innovative new services and economic growth

- Providing services which have been impractical or not cost effective
- Unanticipated reuse - new knowledge from different combinations of data
- Increased commercial innovation and exploitation of location data
- Improved capacity and capability for use of location data

Better informed policy development and decision making

- Providing an improved evidence base
- Better preparation for and response to emergencies

Wider societal benefit

- Helping deliver environmental and other policy outcomes, including improving wellbeing, through better access to information

More open government

- Making government information more accessible to the public

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Benefits realisation strategy

UK Location Programme

Shorter Term Intermediate Benefits

Longer Term End Benefits

Case studies / pilots and communications partners wanted

Direct Measures

Financial Benefits

Economic Benefits

Societal Benefits

e.g.
Number of datasets published
Number of website visits

Case studies of financial benefits:
e.g. environmental impact assessments, route planning
Estimates of UKLP contribution

Financial benefits extrapolated across wider UK community
Contribution to GDP

Case studies of societal and wellbeing benefits
e.g. Increased awareness and participation

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Key aims for the year ahead . . .

- Deliver UK Location Strategy and INSPIRE in wider policy context – Open Data, Data Strategy Board, Public Data Group, PSMA, environmental policy

- Complete November 2011 publication requirement for all data providers

- Introduce download and transformation services by December 2012 and as soon as possible after June 2012

- Start to deliver Annex I/II key datasets and any new datasets in line with the INSPIRE data specifications, e.g. addressing

- Set up engagement model to support expansion in data publishers and datasets, meet user demand and deliver benefits

- Improve IT services as data.gov.uk develops and integrate with Government Digital Service

- Track benefits delivered as a result of the Programme
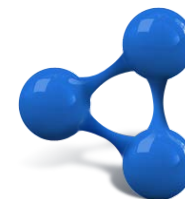
Conclusions

- INSPIRE isn't being implemented in isolation – the landscape is complex

- There is strong convergence with wider UK data policy and other policy drivers – and an important role for location data

- The UK is making good progress on INSPIRE but there is much to do through the whole INSPIRE schedule

- The UK Location Strategy is still valid and we need to ensure benefits are delivered as widely as possible

- Planning and integrated delivery across all parties is a challenge and requires strong engagement and co-ordination

- A lot of expertise required - INSPIRE is a world first and there's no manual!

UKLP website - http://location.defra.gov.uk/

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a unique opportunity for everyone

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