

Scottish Geospatial Strategy

Connecting people, places & things



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Scottish Geospatial Strategy

- Context – Including Program for Government
- UK Geospatial Commission
- Scottish Geospatial Strategy
 - Quality
 - Accessibility
 - Collaboration & innovation
 - Skills



Digital Strategy

- Drive the adoption of **open data standards**
- Make non-personal data...**easier to access and use**
- Deliver a series of pathfinder data analytics and **Earth Observation projects**
- Invest in new **collective data agreements**
- Make better use of **cloud-based solutions**



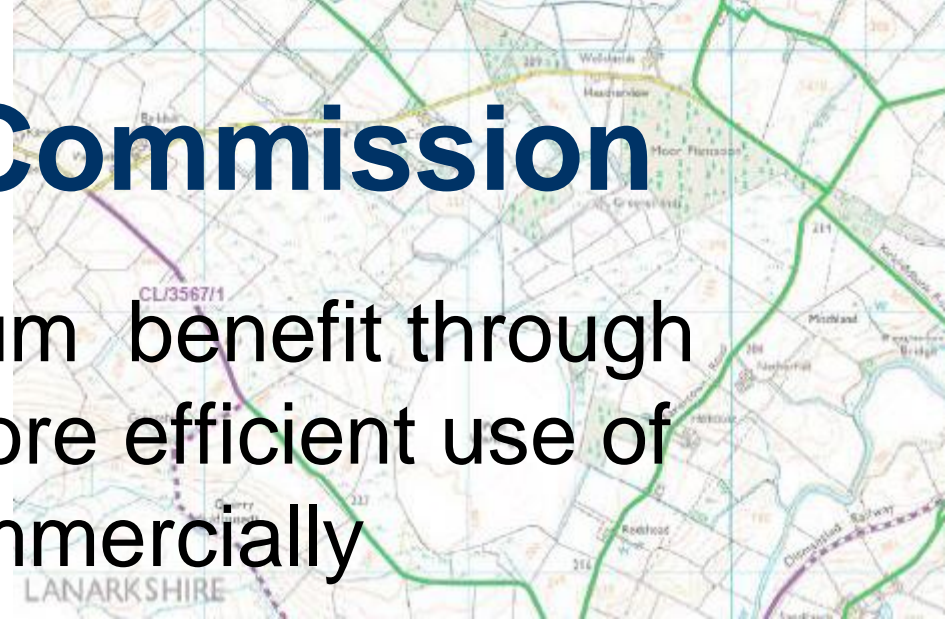
Programme for Government September 2018

Announcement made on [Data Driven Innovation](#), that covers:

- Online identity assurance
- Investigations on AI
- Make more public sector data open
- Support the establishment of a ‘UNICEF Data for Children Hub in Scotland’



Geospatial Commission



- £6-11 billion per annum benefit through exploiting and the more efficient use of geospatial data - commercially
- This figure suggest a fundamental rethink in geospatial
- Commission roadmap:
 - Commissioners & Scottish Observer
 - UK wide strategy: call for evidence out NOW
 - £80M 2018-2020 and looking for proposals



Scottish Geospatial Strategy

Use geospatial data to connect people, places and things - driving innovation, improving public services and unlocking economic value for Scotland.

- Work streams:

1. Discoverability & Quality
2. Accessibility
3. Collaboration & Innovation
4. Skills and Capacity



A - Who is the Strategy for?

Public sector -

- Gov business and policy functions - their geospatial contributions & requirements
- Move from gathering /managing geospatial data to analysis and use

Commercial / Academic sector / 3rd Sector -

- Develop/research services & product as part of the wider ecosystem
- Catalysing innovation & economic growth



B - Insights from Community

- AGI and Scottish Government to host a discussion on the Geospatial Commission's consultation.
- Focus on the priorities for Scotland – and we would like to hear your views
- AGI event on 24th September
- Contact me if interested....

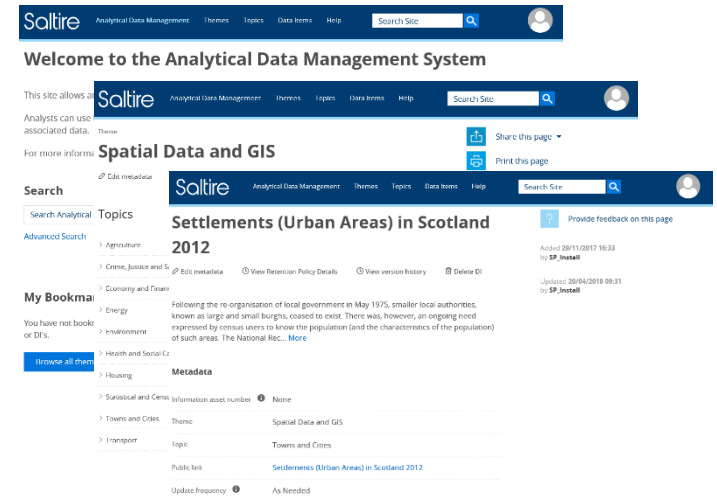
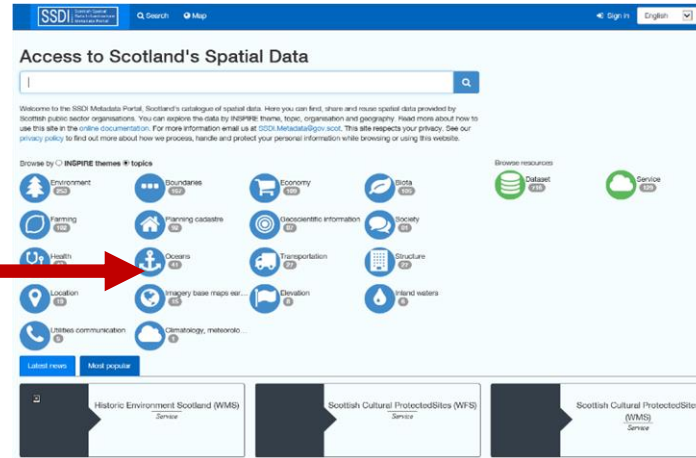


DISCOVERABILITY & QUALITY

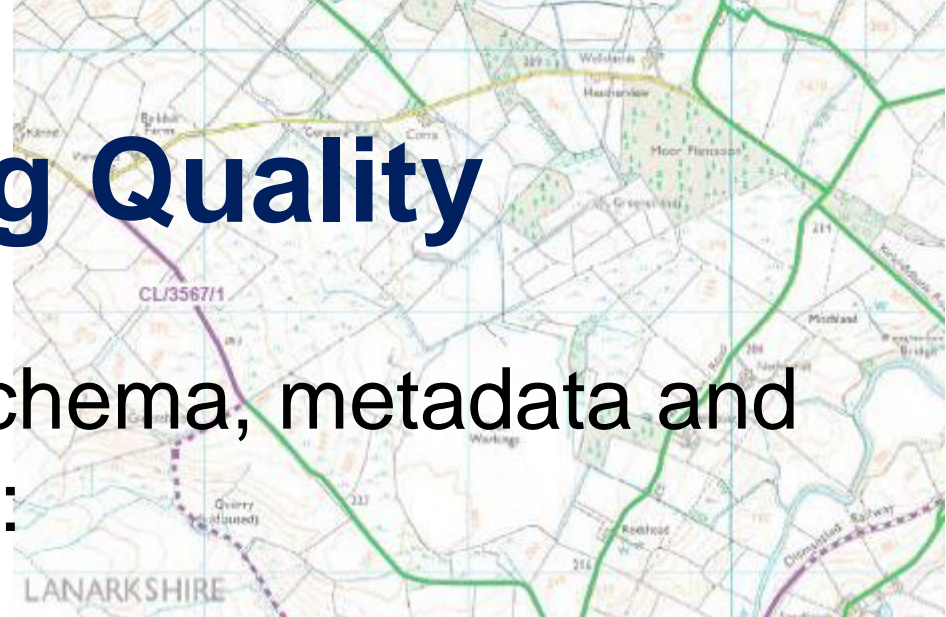
- metadata inventory of public sector geospatial resources
- common standards, schema, metadata and identifiers



spatialdata.gov.scot



Improving Quality



Common standards, schema, metadata and identifiers, for example:

- Pilot to identify key public sector geospatial data used as part of Local Plans
- Local Government Spatial Hub infrastructure
- Thematic groups i.e. Addressing and EO



ACCESSIBILITY

- open geospatial data standards
- access to and analysis on cloud/digital platform
- minimise the number of data repositories



INSPIRE Directive

- Underpinning a range of portals - [SE Web](#), NBN, [NMPI](#), ScotLIS, SpatialHub...



STATISTICS.GOV.SCOT
Open access to Scotland's official statistics



- INSPIRE will continue post EU Exit
- NEW UK metadata standard – Gemini 2.3, transition by Dec 2019
- Harmonisation of high value datasets



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OSMA Data & Services



OS data:

- MasterMap, AddressBase, ITN and others - <https://www.ordnancesurvey.co.uk/business-and-government/products/finder.html?Licensedfor=OSMA>

OSMA web services:

- WMS & WMTS access to OS product map stacks and individual layers
- WFS access to AddressBase (& API) and MasterMap
- **INTERNAL & EXTERNAL USE**



OSMA Data & Services

BGS data:

- Radon gas potential (<http://www.bgs.ac.uk/radon/hpa-bgs.html>)
- Groundwater vulnerability (<http://www.bgs.ac.uk/discoverymetadata/13603084.html>)

Royal Mail:

- PAF (postal address file) through public sector license (PSL)

Aerial Imagery: **Outside core OSMA**

- Hard copy & WMS of Aerial Imagery from APGB /Defra contract



INNOVATION & COLLABORATION

- promote collaborative procurements & projects
- catalyse innovation



Geospatial Commission Cont:

Scottish Geospatial Innovation Programme:

- Projects to improve access to and quality of public sector geospatial data – supply side
- Projects to generate demand for the data and the economic conditions to foster innovation
- A number of common themes around land/planning, national data agreements and infrastructure



A - Demand and Innovation

Geovation Hub in Scotland:

- Geovation Scotland will be a hub and a tech accelerator / incubator programme
- Geovation is an established & proven innovation model from OS (i.e. Shipamax, Flock..)
- RoS to lead on and develop a similar model tailored to Scotland, in partnership with OS.



B - Demand and Innovation

Network Integrator (NI) for geospatial sector:

- Market the applications & benefits of geospatial to commercial sector - driving innovation, investment & economic growth
- NI role is an established & proven model from Scottish Enterprise (i.e. cyber security & industrial biotech)
- SE to lead on and develop a similar models as above in partnership with SG and OS.



C - Other Proposals

National LiDAR

- Improve modelling and forecasting by public sector impacts commercial sectors growth e.g. timber /insurance /fish farms..
- Scottish academia alone – £5M benefits from a national dataset (link to Geovation)

EO infrastructure and analytical platform

- Adopt & innovate – Make EO data and analytics accessible, number of use cases



D – Other Proposals

Pilot to identify key public sector geospatial data used as part of Local Plans

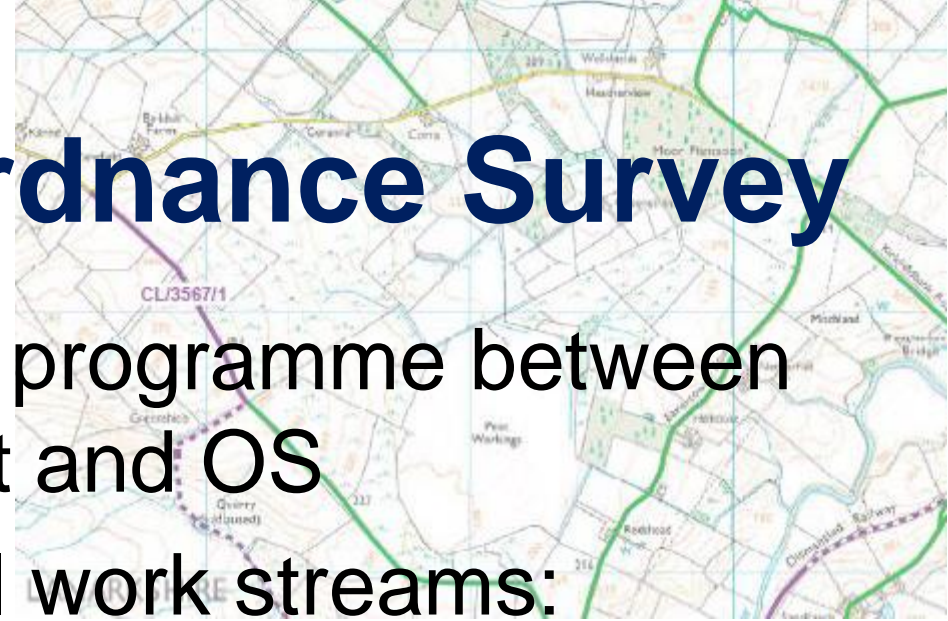
- Investigate standards, quality requirements & data sharing route / analytical platform

Local Government Spatial Hub infrastructure

- Accessible data – approach across UK
- Will support a wide range of commercial opportunities in land, property & planning.



Working with Ordnance Survey



- Updated partnership programme between Scottish Government and OS
- Strategic and tactical work streams:
 - Innovation and Outreach
 - Data architecture and platforms
 - Data Engineering and Research
 - Collaborative projects
 - Geospatial Commission
 - International



OS & OSMA Collaborations

- Ongoing: Network Water Layer, Greenspace Scotland
- Addressing User Group & piloting AddressBase API extended to GB
- Broadband and mobile networks
- NCCA – Dynamic Coast Project
- Scottish Geovation Hub
- Potential: EO and Digital Planning



SKILLS & PROFESSIONAL DEVELOPMENT

- develop and transfer skills, expertise, systems and tools

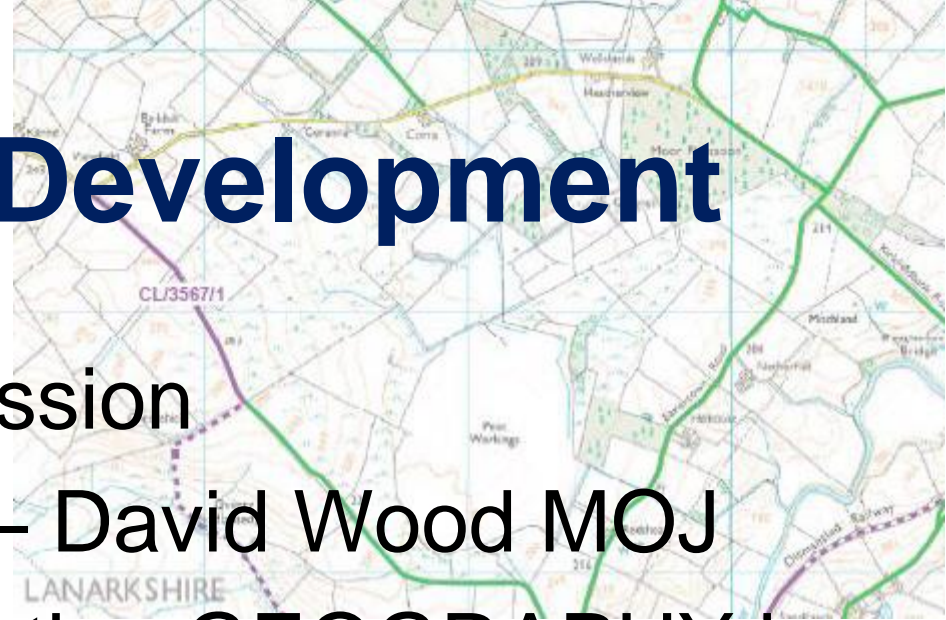


Skills: Earth Observation

- Copernicus & high resolution satellite data
- Innovation challenges
 - Catastrophic wind blow events in Forests
 - Wild fires & emergency response
 - Crop map for Scotland
- EO data & analytics infrastructure
- Clusters – ie CubeSats
Strength in Place Fund



Professional Development



GSE Geography Profession

- Head of Geography – David Wood MOJ
- To join go [here](#) - mention GEOGRAPHY in question 9 to be added to profession
- Career development, best practise, events

Digital, Data and Technology profession

- career management, attraction and recruitment, learning and development



Thank you....any questions?

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