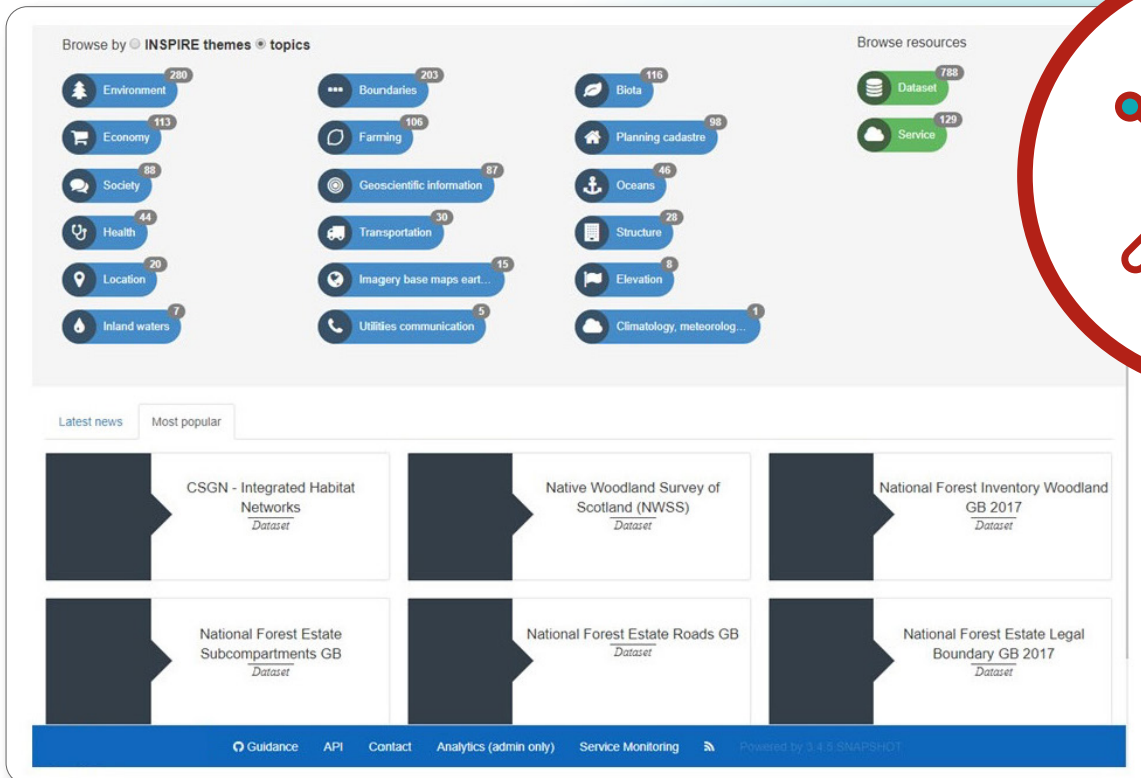


Scottish Government Spatial Data Discovery Portal (SpatialData.gov.scot)

Situation

Astun delivered the Spatial Data Discovery Portal (SpatialData.gov.scot) for the Scottish Government in 2016. The Data Discovery Portal allows Scottish public sector organisations to create, import and edit INSPIRE compliant metadata on spatial data sets and services and make them publicly searchable via a web interface. SpatialData.gov.scot also enables spatial

data to be viewed in a map component and exposes a Catalogue Service for the Web (CSW) that is regularly harvested to the UK wide portal data.gov.uk (DGUK). Astun host, manage, maintain, upgrade and support Scottish Government's spatial data catalogue spatialdata.gov.scot using linked data for consistency of terminologies with other catalogues.

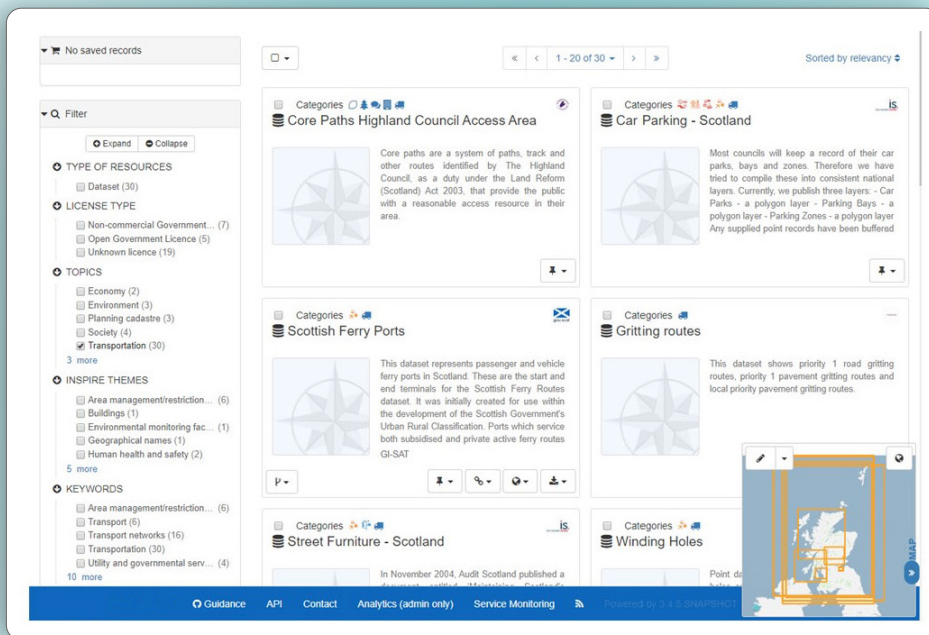


SpatialData.gov.scot front page: browseable by INSPIRE theme or topics and showing latest news or most popular datasets

Problem

Scottish Government had an existing solution which needed updating to include:

- User interface appropriate for non-expert users.
- Text and map based search.
- Schematron based validation conformant with Gemini/INSPIRE guidelines and consistent with DGUK, supporting machine to machine CSW queries.
- Support of the GeoDCAT application profile to ensure communication with other European portals.
- Support for batch editing of records (e.g. to update contact details, reference dates, etc.)
- Provision of user friendly error reporting so users can easily identify and correct metadata errors.
- Reporting tools to allow administrators to access information on the site content.
- Searchable by the public, but also supporting a role based system allowing different levels of privilege for a number of named users.



Transportation datasets with searchable map interface and ability to filter based on License, Keyword etc

“Jo Cook sits on the AGI Council as their standards lead and has almost a decade of experience providing metadata solutions for both Local and Central Government clients. She is actively involved in the development of the Geonetwork metadata catalog, as a member of the Project Steering Committee and as a contributor to both code and documentation. She also led the development of metadata plugins for Geonetwork for Gemini 2.2 and an extended profile for the Environment Agency, and is now completing a plugin for Gemini 2.3.”

Solution

Astun implemented a cloud hosted GeoNetwork instance that enables the Scottish Public Sector to create and utilise metadata, with linked data registries and thesauri enhancing metadata records. The portal has a simple intuitive search interface for public users.

“**ASTUN'S METADATA LEAD JO COOK LED THIS PROJECT**

The catalogue brings considerable benefit to Scottish Government and it's partners. Users are now able to find the data they require for more quickly, they enjoy increased accuracy in analysis through targeted data use and they are able to make confident decisions based on the currency and completeness of data sets.

”

Results

The solution fulfilled all of the requirements and we have worked closely with the Scottish Government to adapt the Data Discovery Portal to meet ongoing requirements including:

- Provision of custom reports using a Zeppelin interface.
- Information on currency of metadata records.
- Details of the most popular datasets (based on the last 2 weeks, not over the life of a dataset).
- SEO optimisation and structured data enhancements improved data discoverability and quality.
- Around 1000 metadata records for Scottish datasets have now been published on the portal.



ASTUN TECHNOLOGY



Products

Astun offer a range of products based on open source technology. Our products can be grouped into three categories – iShare, Data Discovery and Astun Data Services.



Services

Astun Professional Services help you make the most of the iShare products, integrating with your existing systems, enabling data sharing and providing Open Source Support and Training.



Use Cases

Our Cloud and On-Premise solutions both let you put experts in place - providing services that deliver outstanding results in every sector.

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