



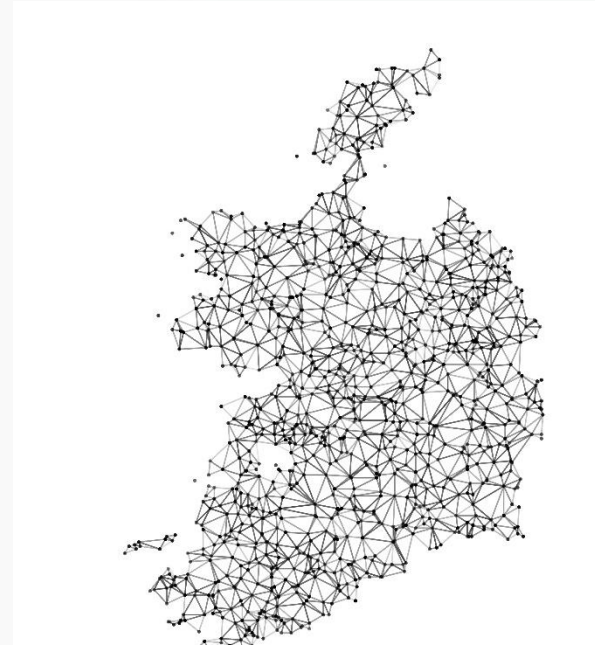
**Open Data Progress Report**  
**Update from Ordnance Survey Ireland**  
**(National Mapping Agency)**  
**Tony Murphy –Business & Marketing**



**Ordnance  
Survey  
*Ireland***

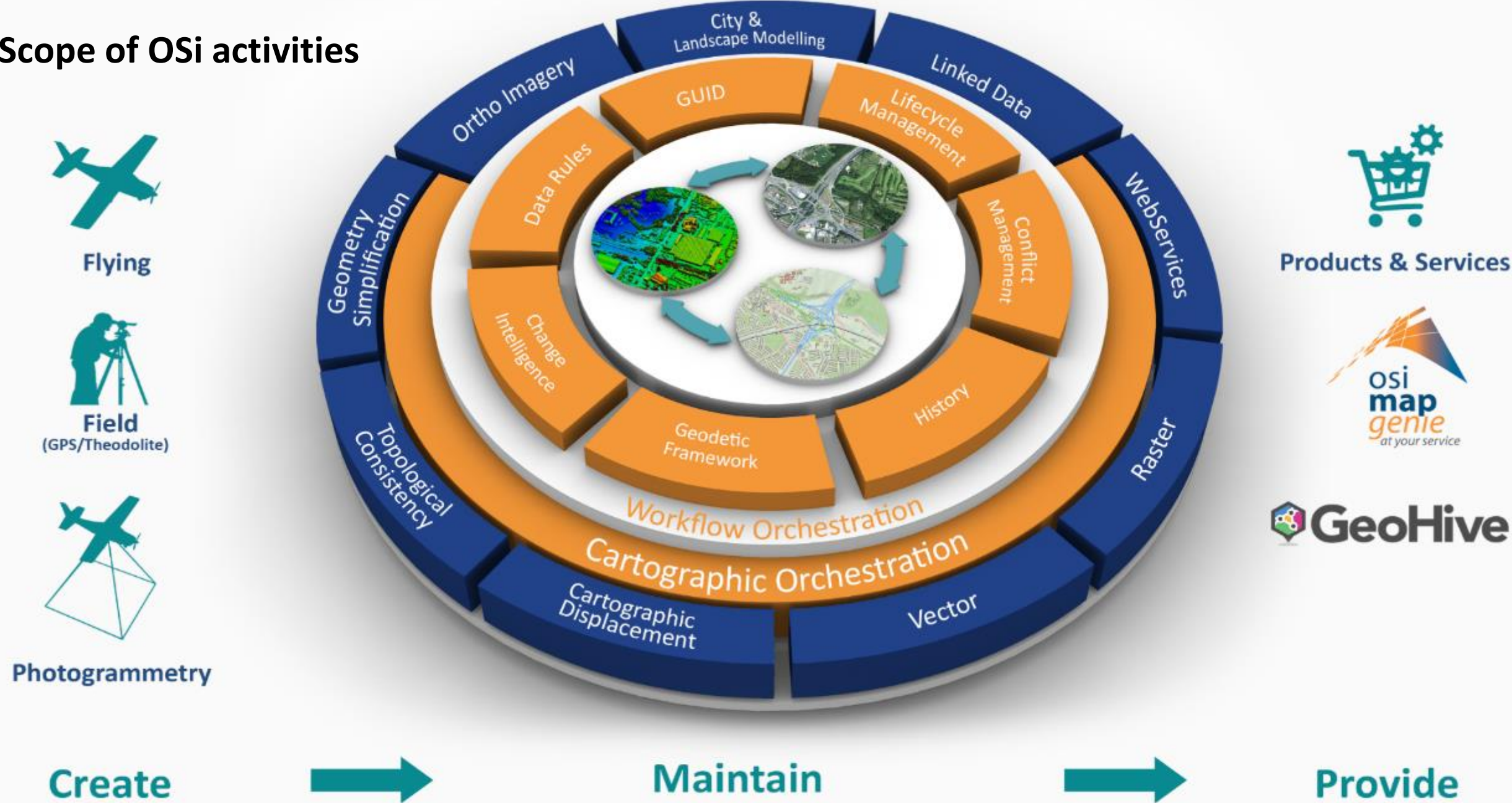
# OSi's Key Competencies

- ***Have***
  - Surveyors
  - Cartographers
  - GIS specialists
  - Spatial Data experts
- ***Don't have***
  - Software Developers

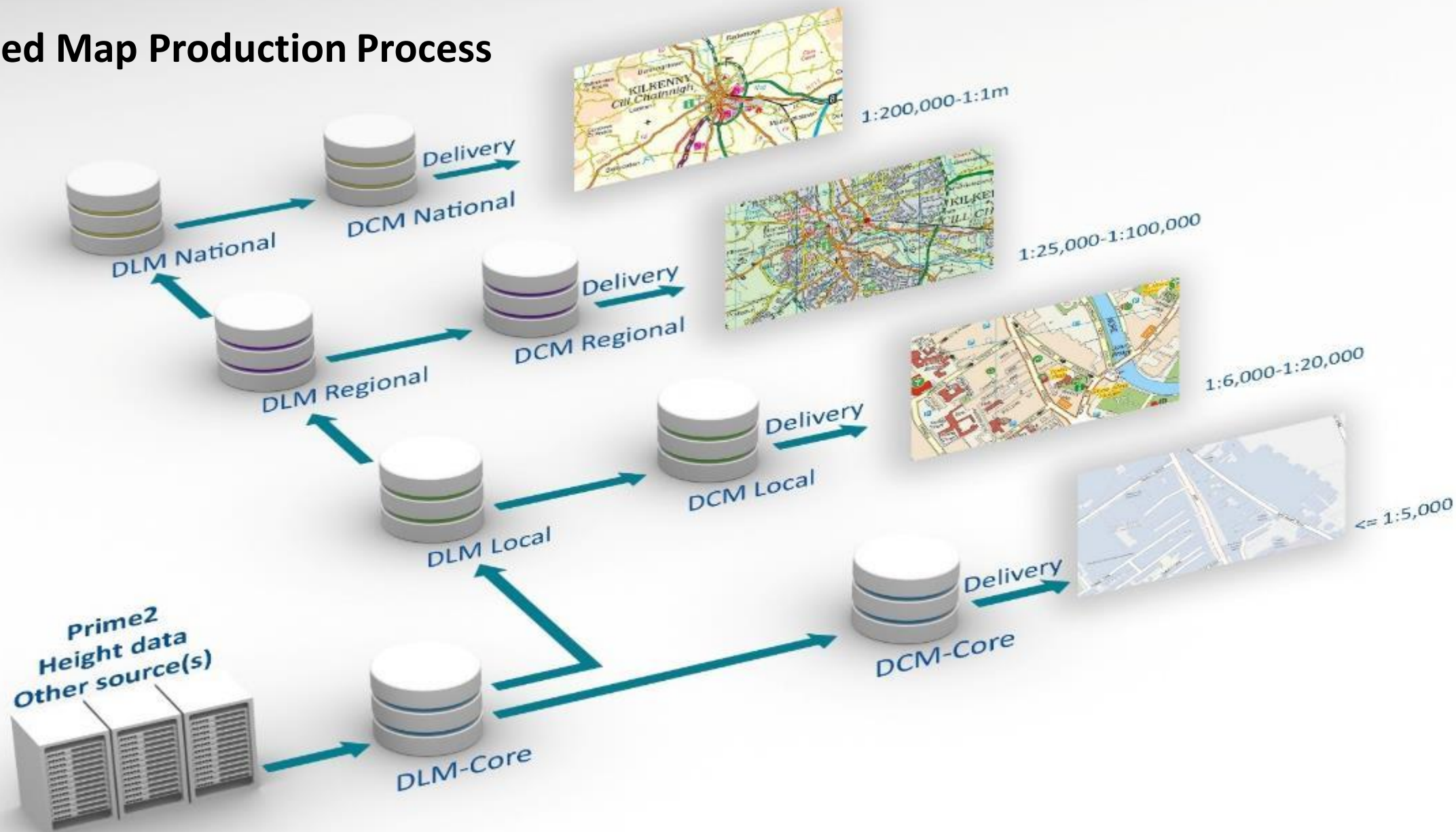




# Scope of OSi activities



# Automated Map Production Process

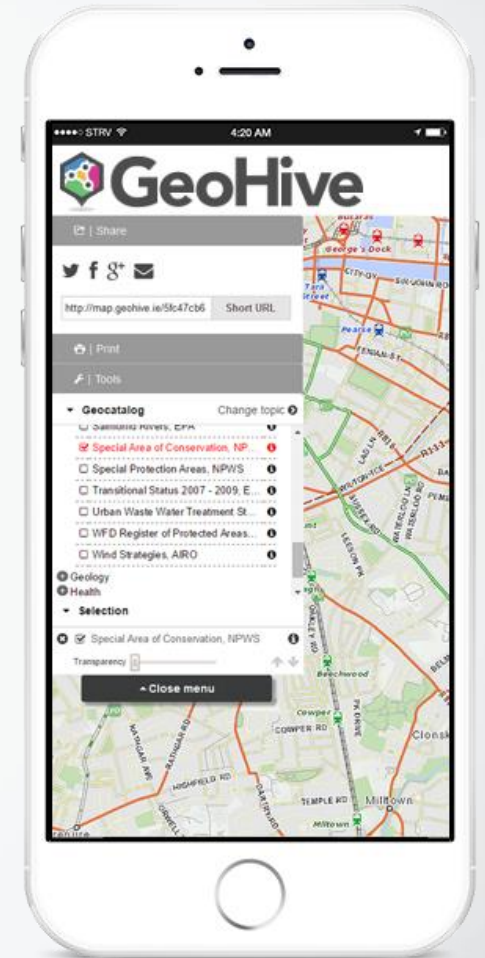
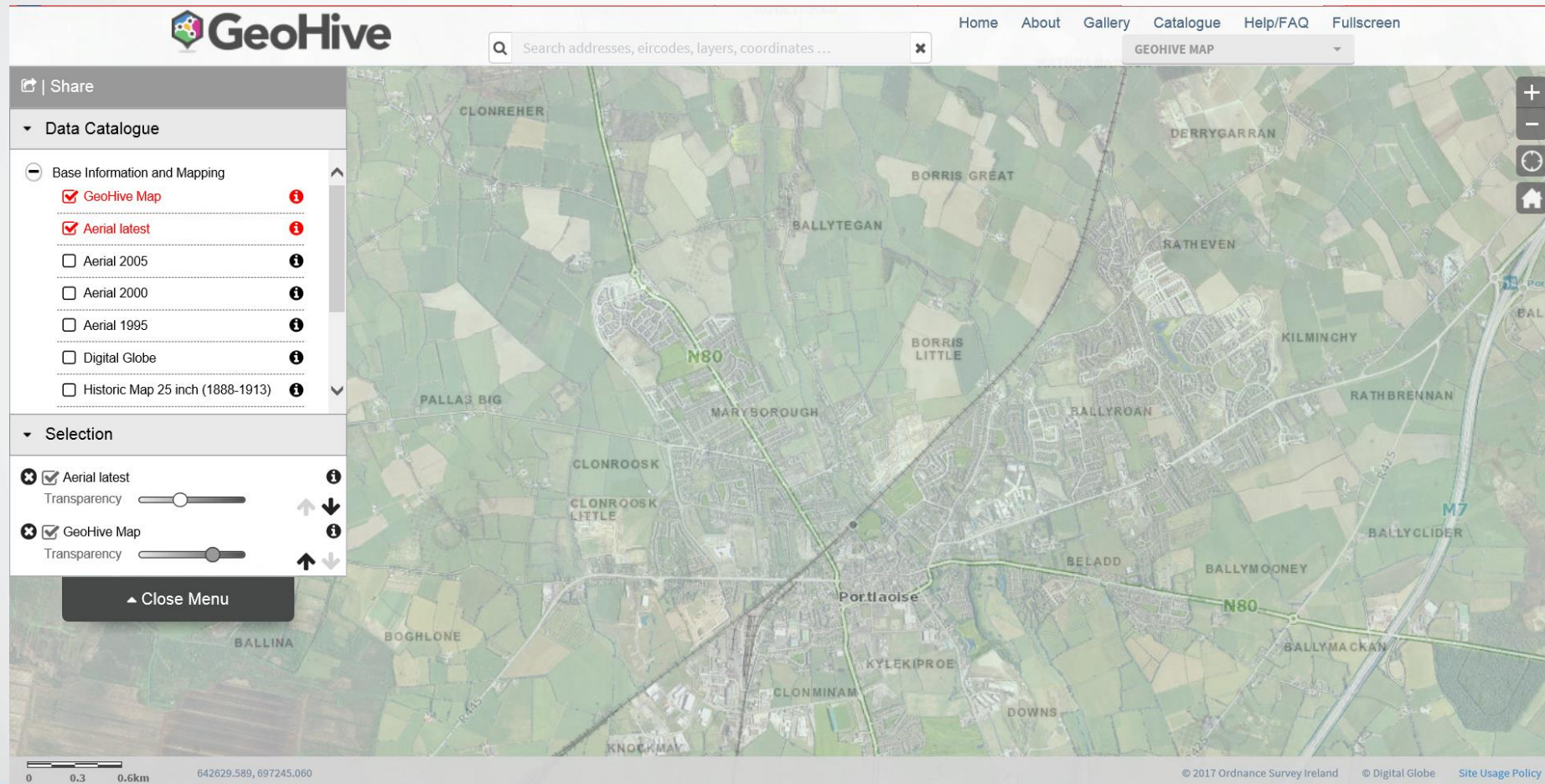


Single source of geographic truth

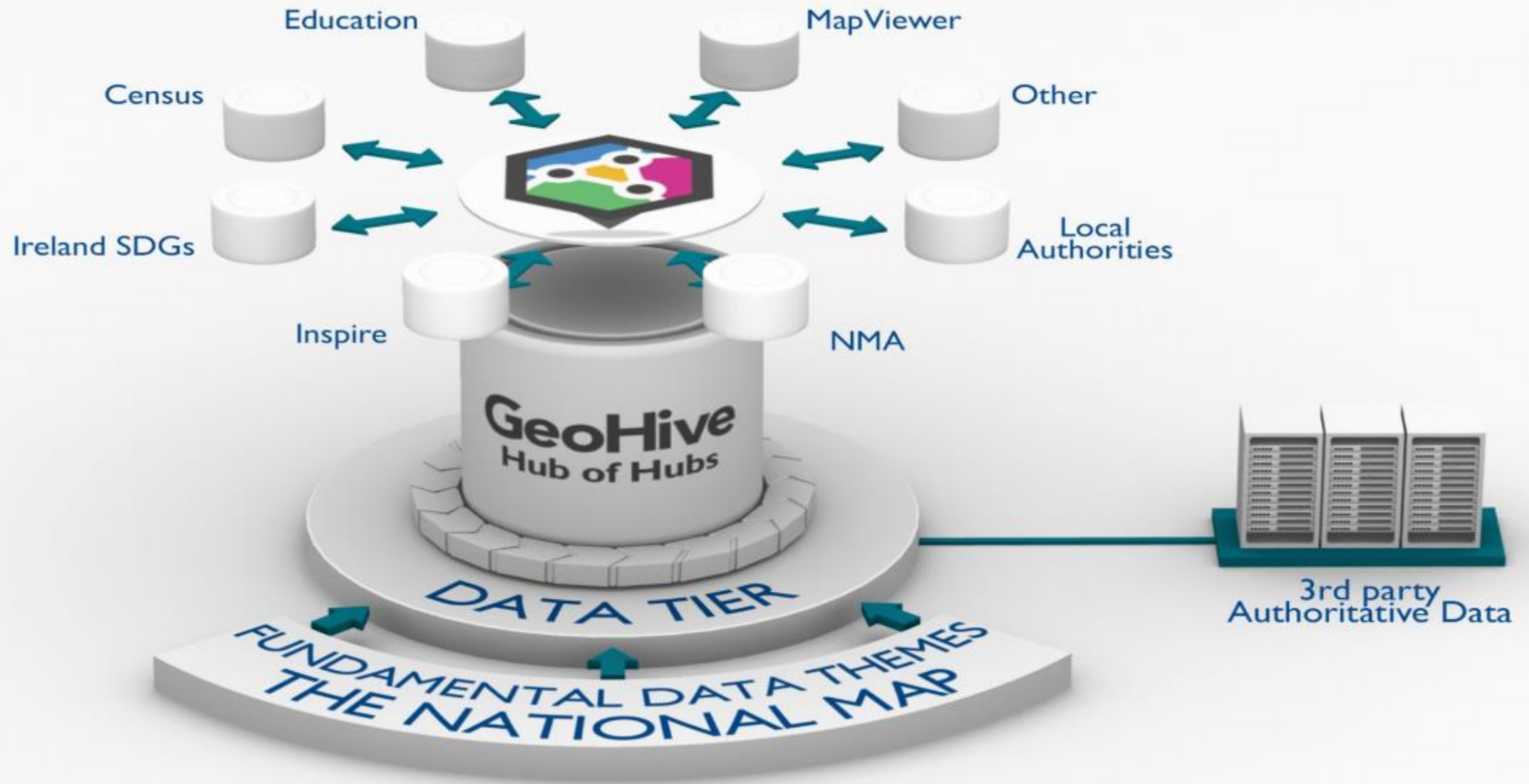


# GeoHive

A national platform for accessing free authoritative web based Irish geospatial information from multiple providers, including Ordnance Survey Ireland (OSi) and many more.




# OSi's 'Hub of Hubs' approach to national data infrastructure





# All Boundaries are open data – Generalised and Ungeneralised



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Datasets

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Order by: Relevance

Baronies - OSi National Placenames Gazetteer

Environment

Ordnance Survey Ireland

Labelled point file of Barony placenames from the OSi National Gazetteer dataset.

HTML

ESRI REST

GEOJSON

CSV

KML

ZIP

Centres of Population - OSi Na Gazetteer

Ordnance Survey Ireland

Labelled point file of Centres of Population pl OSi National Gazetteer dataset.

Civil Parishes - OSi National Pl

DATA.GOV.IE

Home / Publishers / Ordnance Survey Ireland / OSi National Statutory...

OSi National Statutory Boundary - Linked Data

Published by: Ordnance Survey Ireland

Licensed under: Creative Commons Attribution 4.0

Themes: One of the resource formats is 5-star data - linked data

Views: 5

Openness rating: ★★★★★

Dataset Actions

The goal of Ordnance Survey Ireland's (OSi) initiative with ADAPT, Trinity College Dublin is to develop a platform to publish OSi's geospatial data as Linked Data on the Web whilst adhering to best practices in the domain of geospatial information. The publication of Linked Data enables third parties to explore and consume rich data in a meaningful manner via a combination of simple, standardized technologies (e.g., RDF and URI) that operate over the Web's existing HTTP infrastructure.

Ordnance Survey Ireland's geospatial data is available both via Triple Pattern Fragments Server and web client, a Linked Data frontend (e.g., by following the HTTP URI of County Dublin) and as downloadable datasets for local use.

OSi "boundary" database contains geometrical representations of the boundaries of the administrative units (e.g., county, city, and rural area) of the Republic of Ireland. These are generalized up to 20, 50 and 100 meters.


Data Resources (2)

TTL

Triple Pattern Fragment server

Details

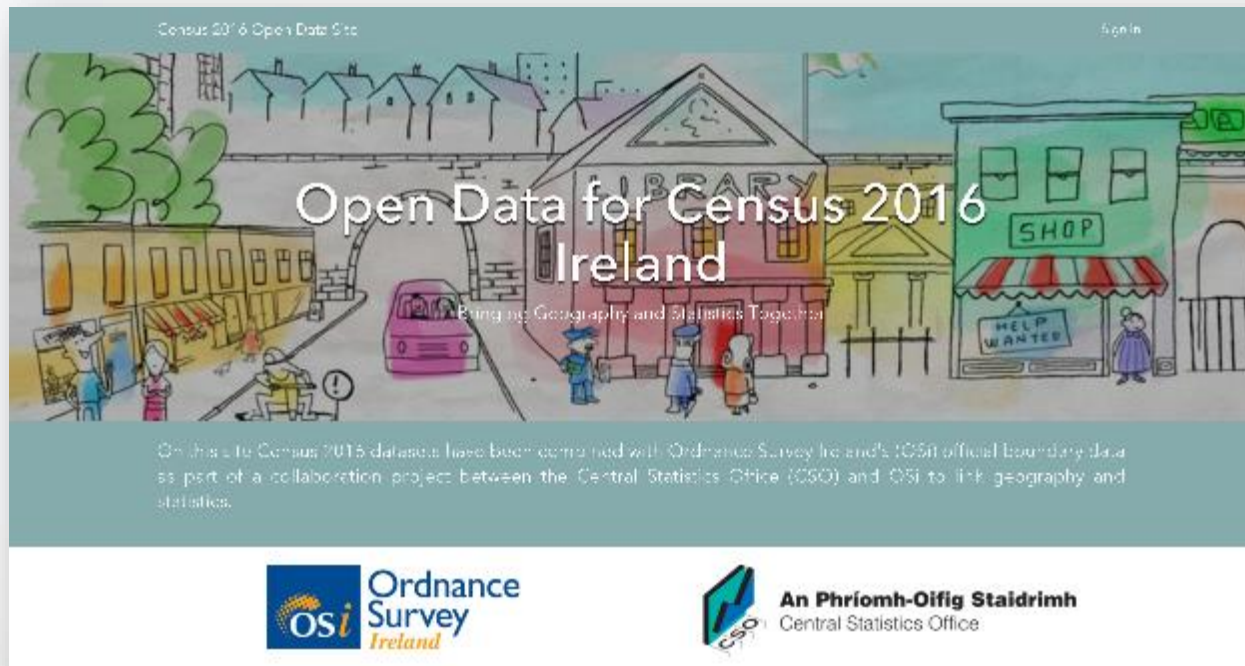
Download



7

## Initiative (2) – Geospatial portal for Census 2016

- Statistical and boundary data fused together to provide over 500 layers of geo-statistical information.



<http://census2016.geohive.ie/>

**census  
2016**  
**RESULTS**



## Initiative (4) – Establishing Ireland's UN SDGs Data Hub



<http://irelandsdg.geohive.ie/>

# EU Maturity Index - Ireland in First place



## Ireland – Impact and development



EUROPEAN  
DATA PORTAL

unity: 70%



### Impact

#### Political:

- Activities launched since 2015 to monitor impact
- High impact efficiency
- High impact transparency



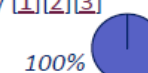
#### Social:

- High impact environmental sustainability
- High impact inclusion of marginalised groups



#### Economic:

- Four studies market value [1][2][3][4]
- Three studies better service delivery [1][2][3]
- One additional study (not online)
- Marginal Cost (Zero Cost) Model



### Barriers

#### Further publication

For further publication several barriers exist.

- Political barriers:** Insufficient buy-in from senior management and a lack of understanding of Open Data.
- Legal barriers:** Lack of Open Data Licencing knowledge.
- Technical barriers:** Concern that data will be misused. Improvements needed in data management practices to assist in identification and release of data.
- Financial barriers:** Insufficient resources to dedicate to Open Data given competing resources.

#### Further use

For further use various barriers exist.

- Little awareness:** Reaching all potential categories of end-user who may potentially re-use data and enhancing their knowledge of Open Data. Lack of understanding of the potential use of Open Data for analytics.
- Low availability:** Scope for greater availability of high-value datasets.
- Legal barriers:** Understanding amongst users of CC-BY and PSI licence.
- Technical barriers:** Lack of technical knowledge to engage with Open Data in developing products and services and in building applications.
- Financial barriers:** Ability of users of data to fund product/service development using Open Data.



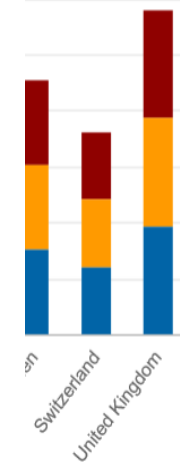
### Best practices

- OSI/CSO National Statutory Boundary- Linked Data:** provides better access to enriched linked datasets in line with agreed standards in the area of geospatial data. It is also the first 5 star linked dataset on the national portal.
- Where the money goes:** it makes use of voted expenditure data to create a visually appealing user-friendly tool for citizens to see how public money is spent.



### Progress on barriers

- Barriers for further publication are addressed via the launch of the Open Data Strategy 2017-2022, ongoing engagement with public bodies, more re-use examples, framework contracts for training and technical support.
- Barriers for further use are addressed by e.g the publication of the updated PSI guidance, the release of more dynamic datasets, hosting of events, awareness raising, and the Open Data Engagement Fund.

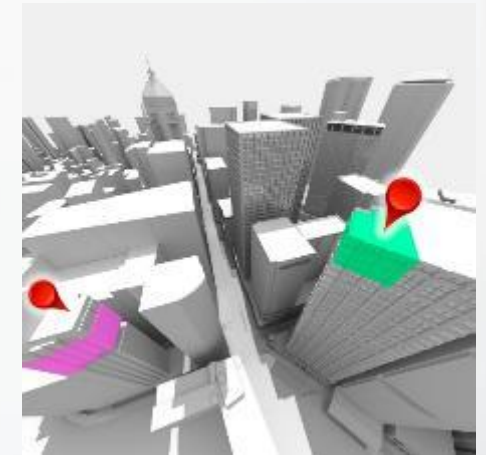




# Future Plans

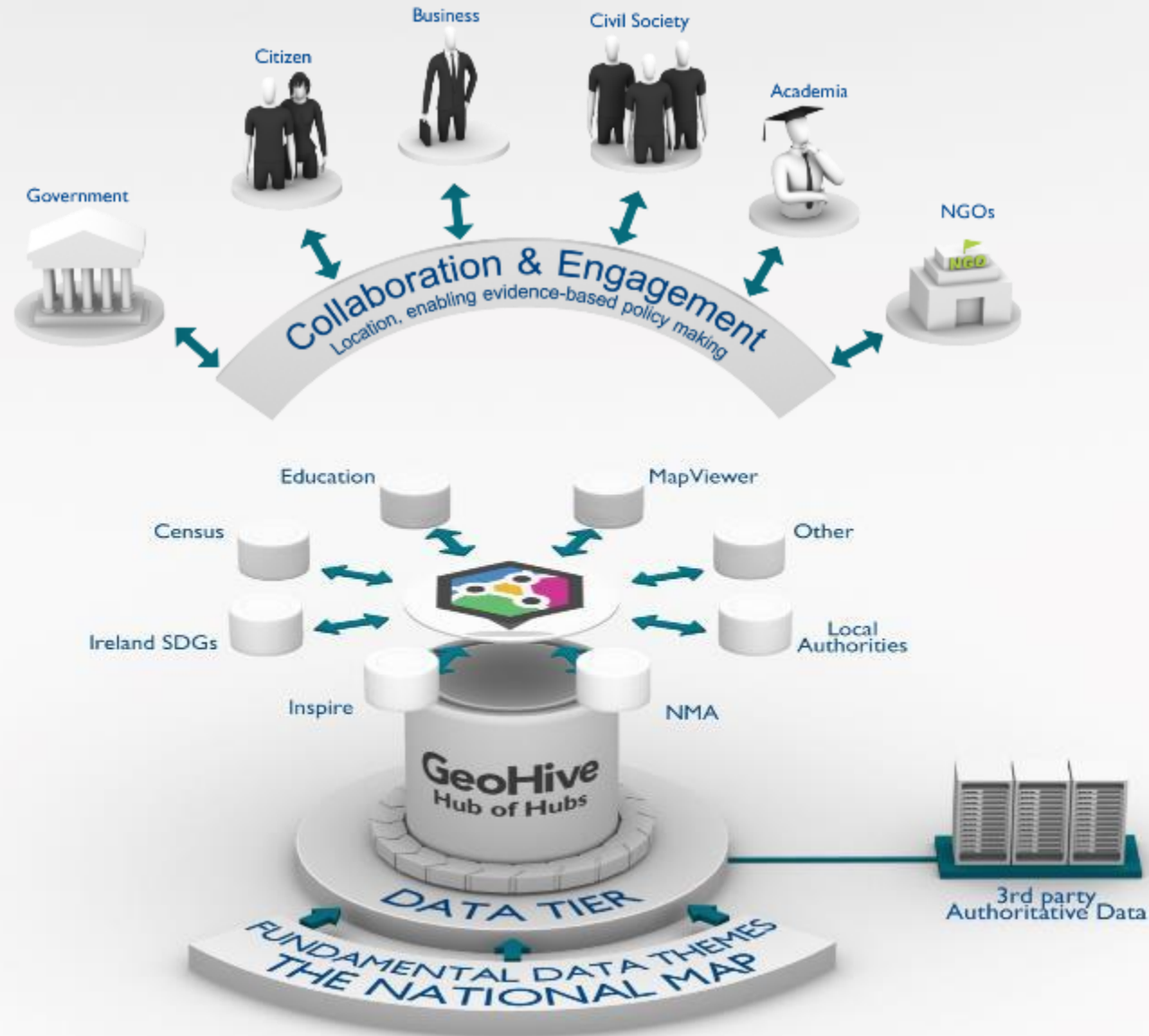


- **2018:** Working with Eurogeographics towards the creation of a harmonised, pan-European, authoritative geospatial information service; with the specific aim of creating, in the first instance, an open pan European 1:50,000 web service to be used by the EU or more widely.
- **2018:** Linked Data open access service to OSi unique identifiers





# OSi's 'Hub of Hubs' approach to national geospatial platform



# Thank You

