Open Data Progress Report

Update from Ordnance Survey Ireland

(National Mapping Agency)

Tony Murphy –Business & Marketing

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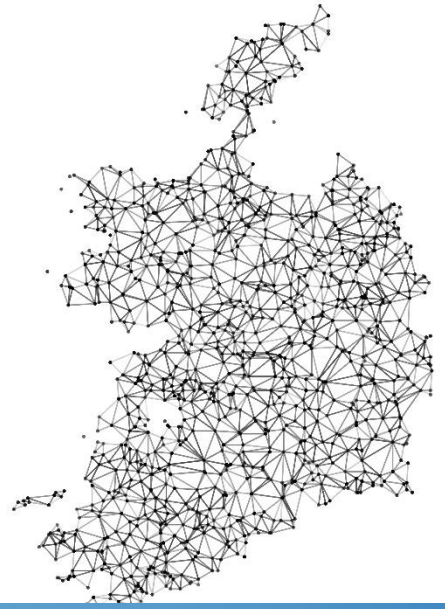
OSi's Key Competencies

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



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Scope of OSi activities

Flying

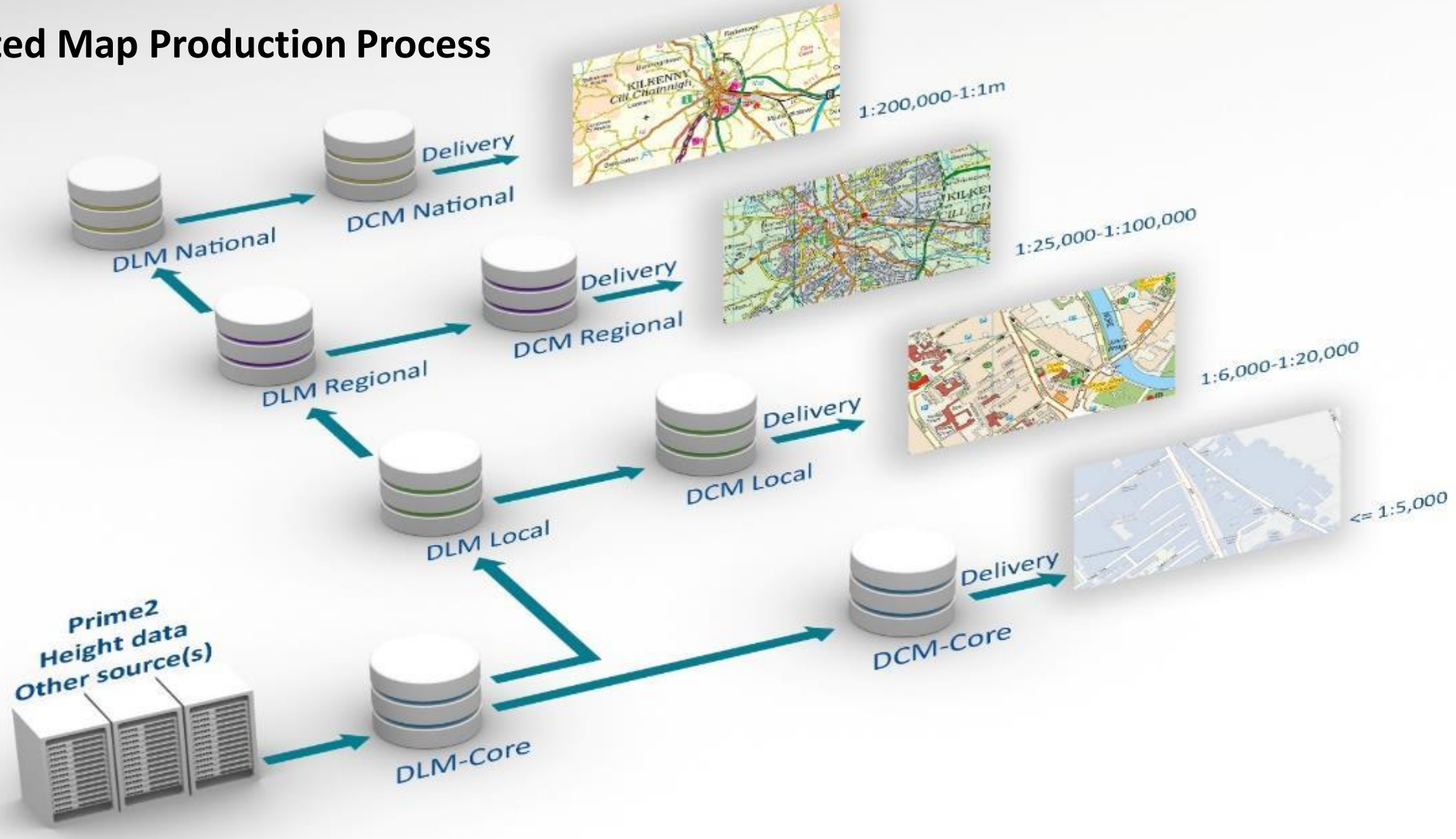
Field
(GPS/Theodolite)

Photogrammetry

Products & Services

Create → Maintain → Provide

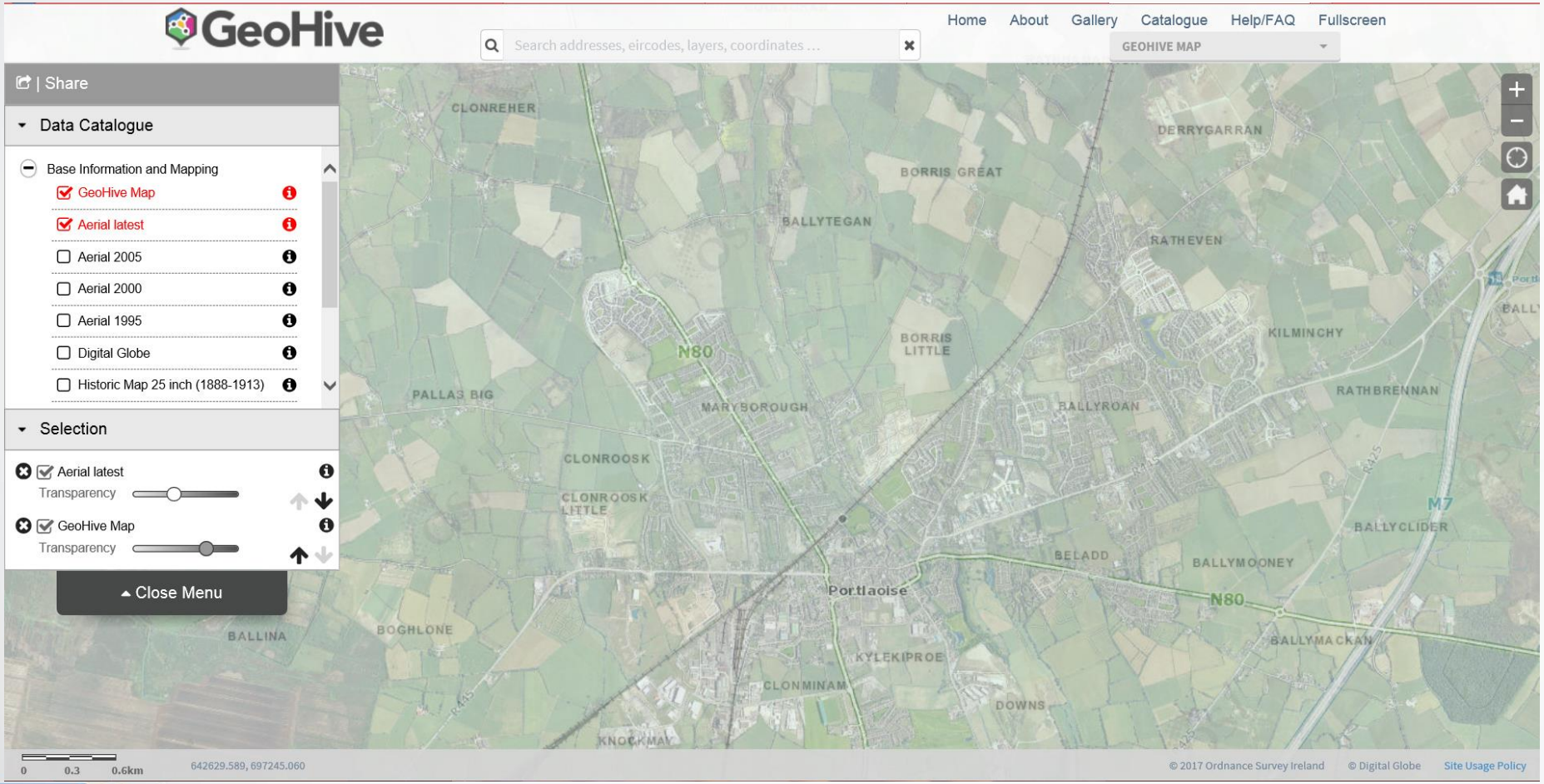
Automated Map Production Process

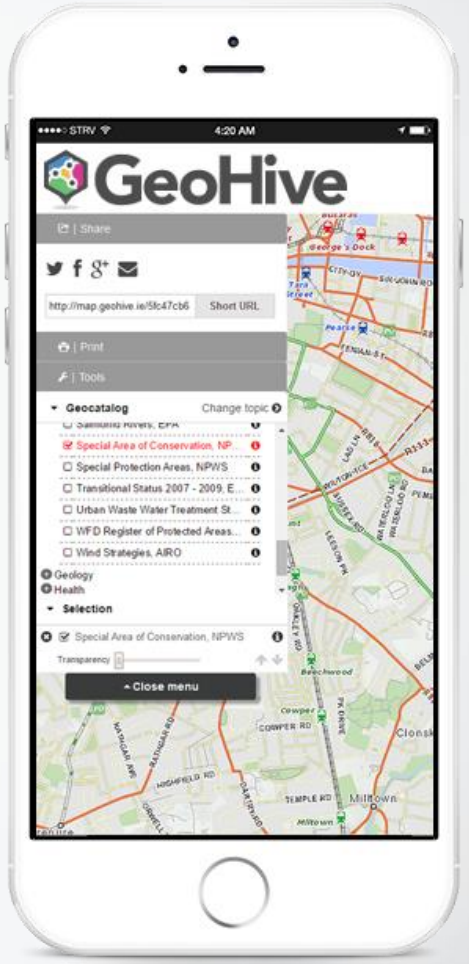


Single source of geographic truth

GeoHive

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





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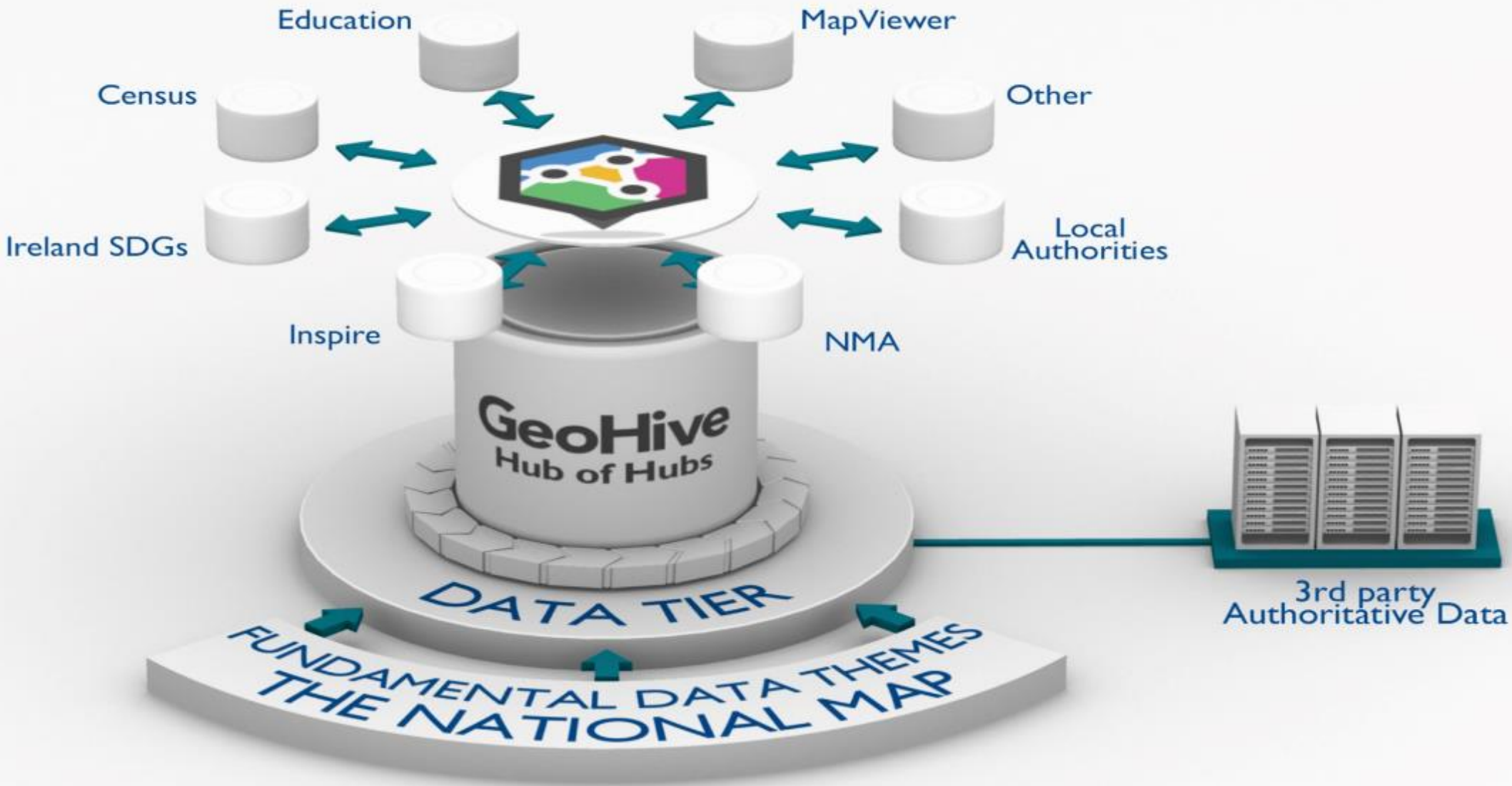
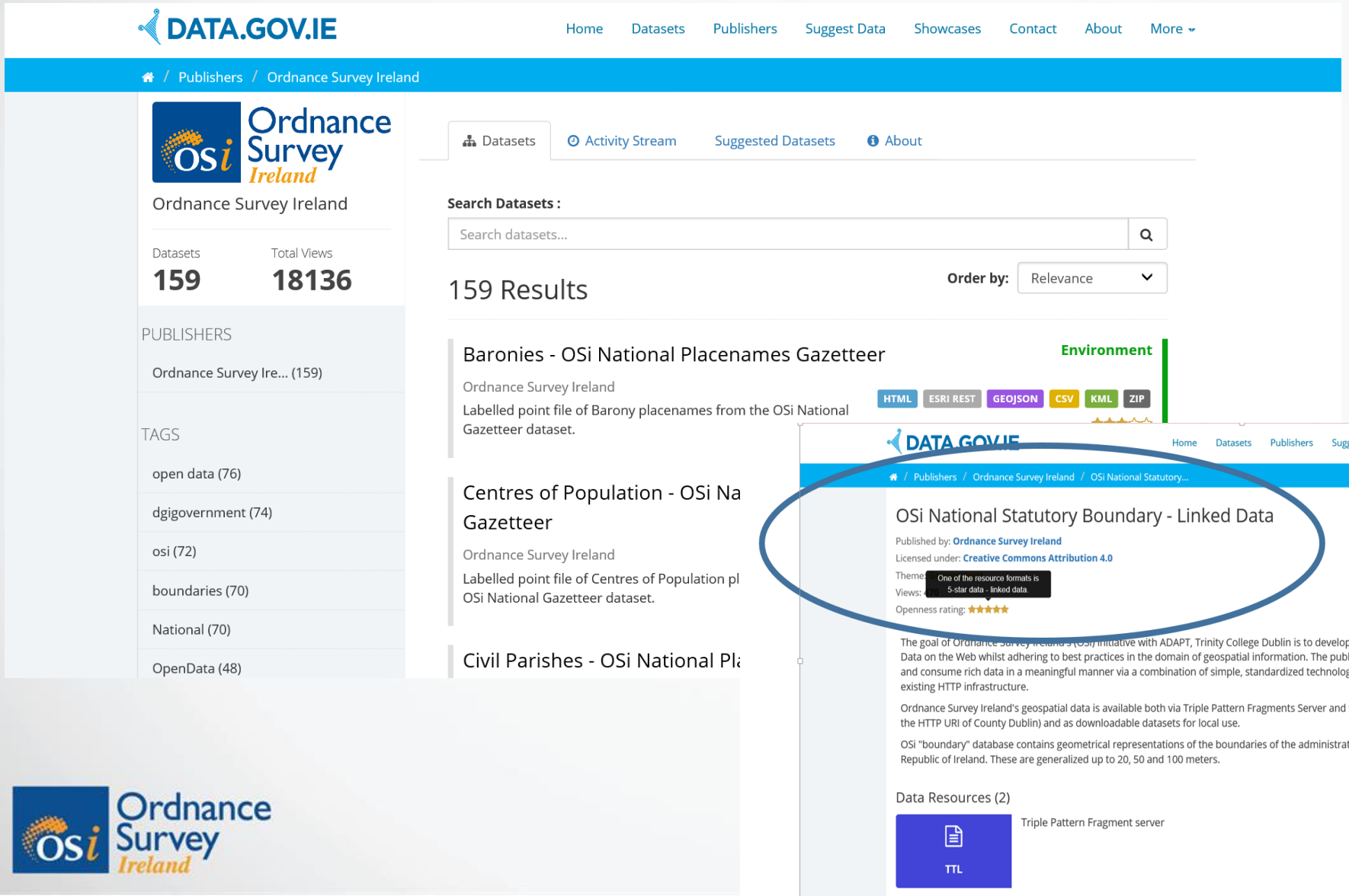
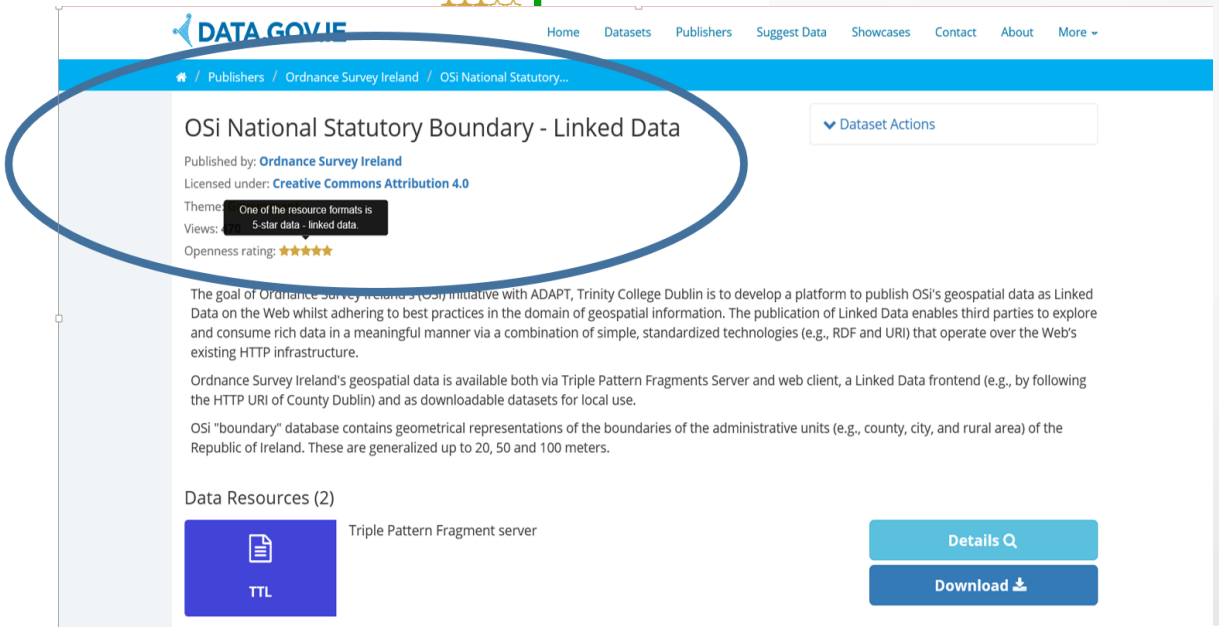
OSi's 'Hub of Hubs' approach to national data infrastructure



All Boundaries are open data – Generalised and Ungeneralised





Geospatial & Statistics collaboration in Ireland

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

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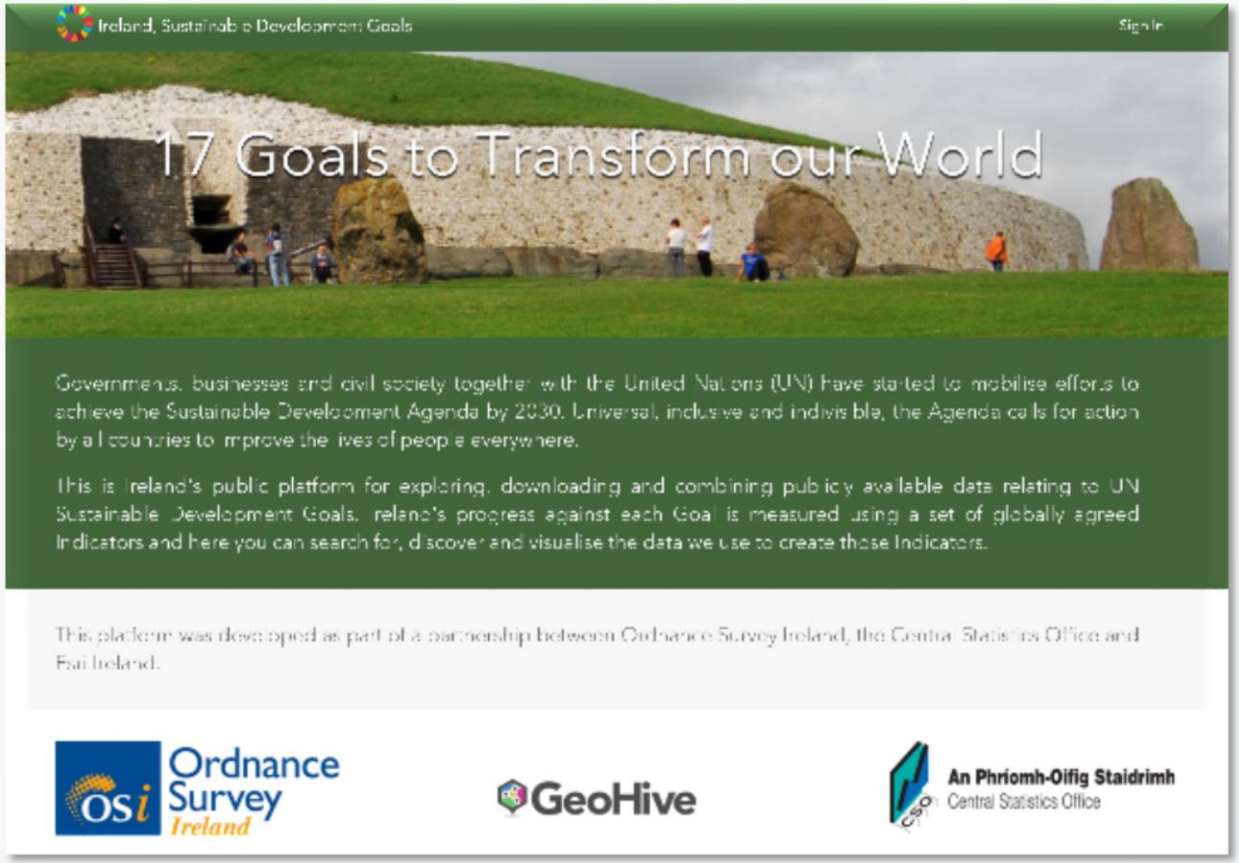
Geospatial & Statistics collaboration in Ireland

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



http://irelandsdg.geohive.ie/

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EU Maturity Index - Ireland in First place

Ireland – Impact and development

EUROPEAN DATA PORTAL

Impact

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

100%

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

100%

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

100%

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 does my money go: it makes use of voted expenditure Open 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.

Status 24/7/2017, Next update planned Q3 2018

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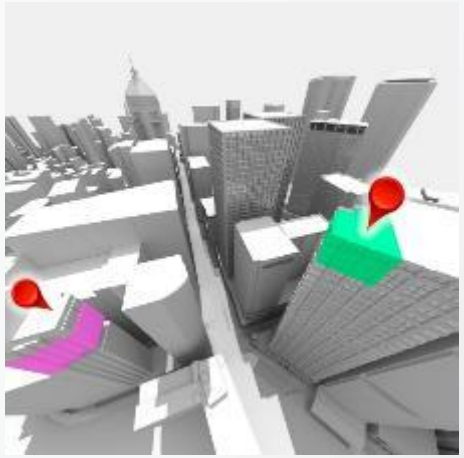
Future Plans

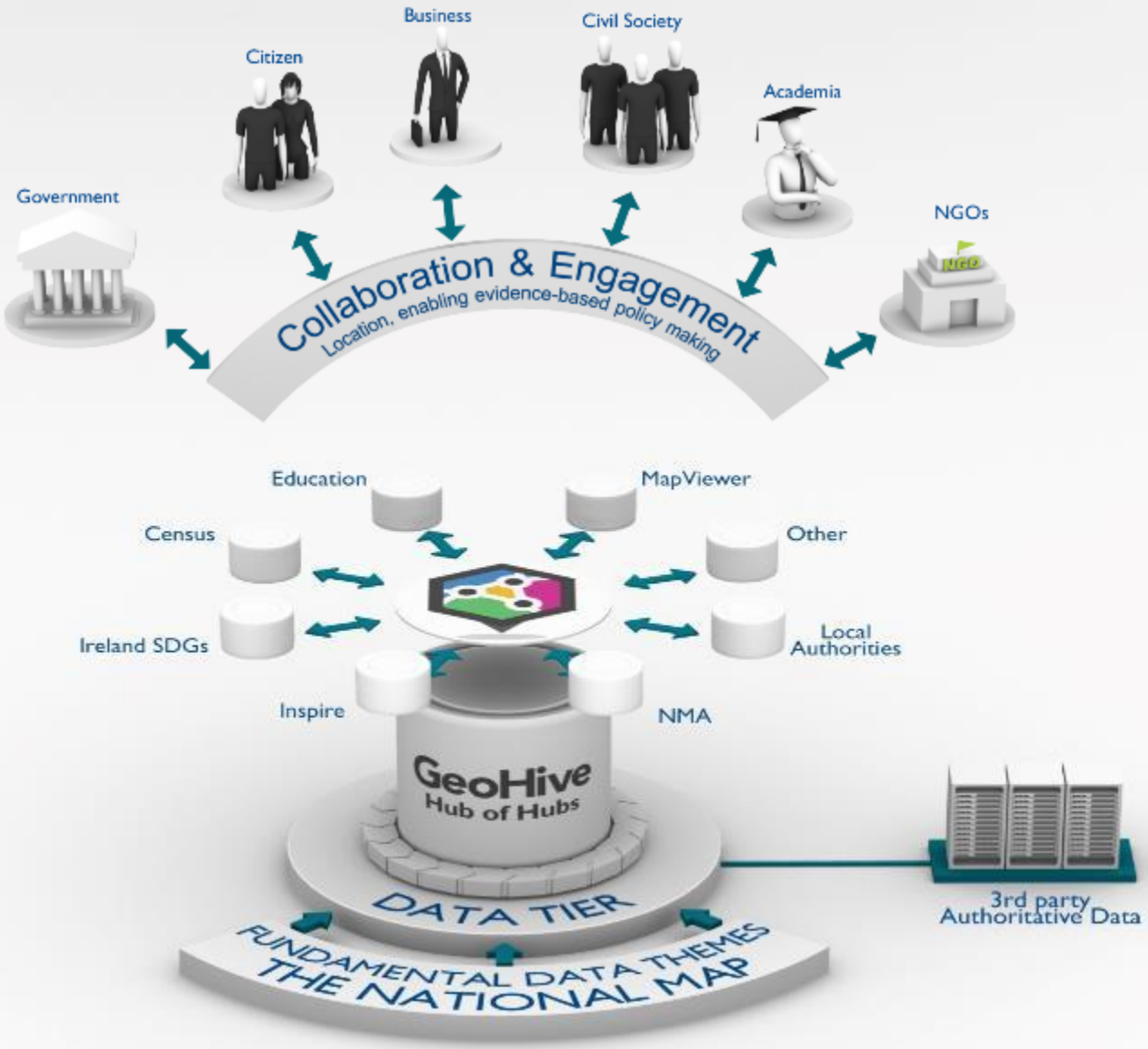
Future Plans

- **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



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Thank You