



2nd October 2017

EuroGeographics General Assembly 2017

Vienna, Austria

Colin Bray, OSi CEO



**Ordnance
Survey**
Ireland



NMCAs role in SDGs

‘An Irish perspective’

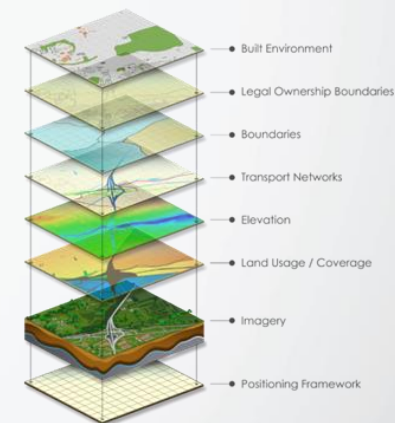


Sustainable Development Goals (SDGs)



- Sept. 2015, world leaders adopt 2030 Agenda for Sustainable Development.
- 1st Jan 2016, the 17 SDGs of the Agenda officially came into force.
- Over the next 13 years, with these new Goals, countries will mobilize efforts to end all forms of poverty, fight inequalities and tackle climate change, while ensuring that no one is left behind
- Countries have primary responsibility for follow-up and review of the progress, which will require quality, accessible and timely data collection.

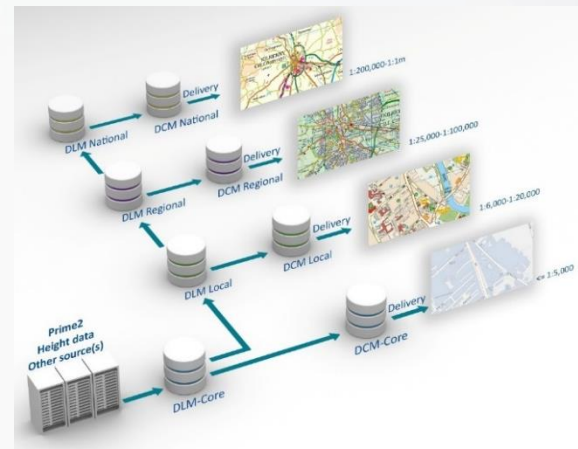
- ‘Everything happens somewhere’, that includes SDGs.
- SDG reporting is very much a geospatial / statistics domain activity.
- Such domain collaboration is strongly encouraged and promoted by the work of the United Nations Committee of Experts on Global Geospatial Information Management (UN-GGIM).
- The integration of national authoritative geospatial and statistical information.





Referencing

Authoritative Referencing of geography
(National Object Platform)

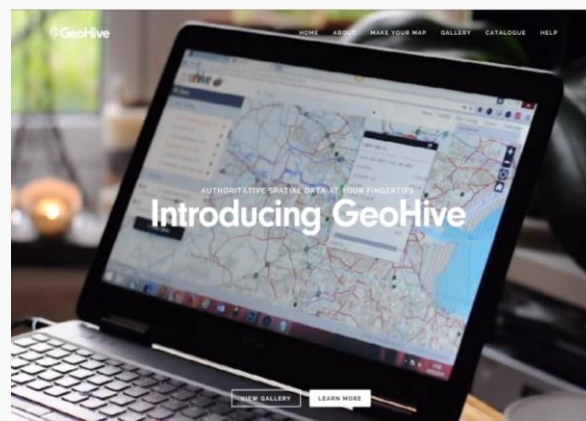


Visualisation

Maintained and consistent Mapping-As-A-Service (Multi Resolution Data Store)

Publishing & Access

National Geospatial Platform
(GeoHive collaborative portal)





An Phríomh-Oifig Staidrimh
Central Statistics Office



OSi/CSO Memorandum Of Understanding (October 2016)

Aim: To establish a closer working relationship to maximise OSi and CSO data and assets for our mutual stakeholders and in support of the Government's Public Sector Reform agenda.

- Establish joint **CSO/OSi technical working group** to develop data visualisation
- Develop technical solution to fulfil Ireland's **reporting responsibilities** under the United Nations 2030 Agenda for Sustainable Development
- Collaboration in developing new data dissemination channels
- Promote the **statistical potential of geospatial** data as part of the wider development of the National Data Infrastructure



UNSD/Esri Research Project (commenced May 2017)

- Project goal is to develop and deploy a new approach for monitoring SDGs using geographic information systems.
- Participation of seven UN Members - Ireland, Mexico, Senegal, Philippines, Qatar, South Africa and Australia.
- OSi and CSO, are participating in partnership with Esri Ireland.





Progress to-date in Ireland

- Established a joint OSi/CSO **data governance team**.
- We've been working on 12 of the 17 SDG Goals and have developed **51 indicators and 95 datasets** at NUTS 3, county and local area geography.
- Developed Ireland's **SDG platform** where interested parties can openly access, visualise and download data related APIs.
- Ireland's SDG portal will be officially launched at the European Forum for Geography and Statistics (EFGS) Conference in November.



Ireland, Sustainable Development Goals

[Sign In](#)

17 Goals to Transform our World

Governments, businesses and civil society together with the United Nations have started to mobilize efforts to achieve the Sustainable Development Agenda by 2030. Universal, inclusive and indivisible, the Agenda calls for action by all countries to improve the lives of people everywhere.

This is Ireland's public platform for exploring and downloading and linking to data pertaining to the Sustainable Development Goals. Ireland's progress against each Goal is measured using a set of globally agreed Indicators.

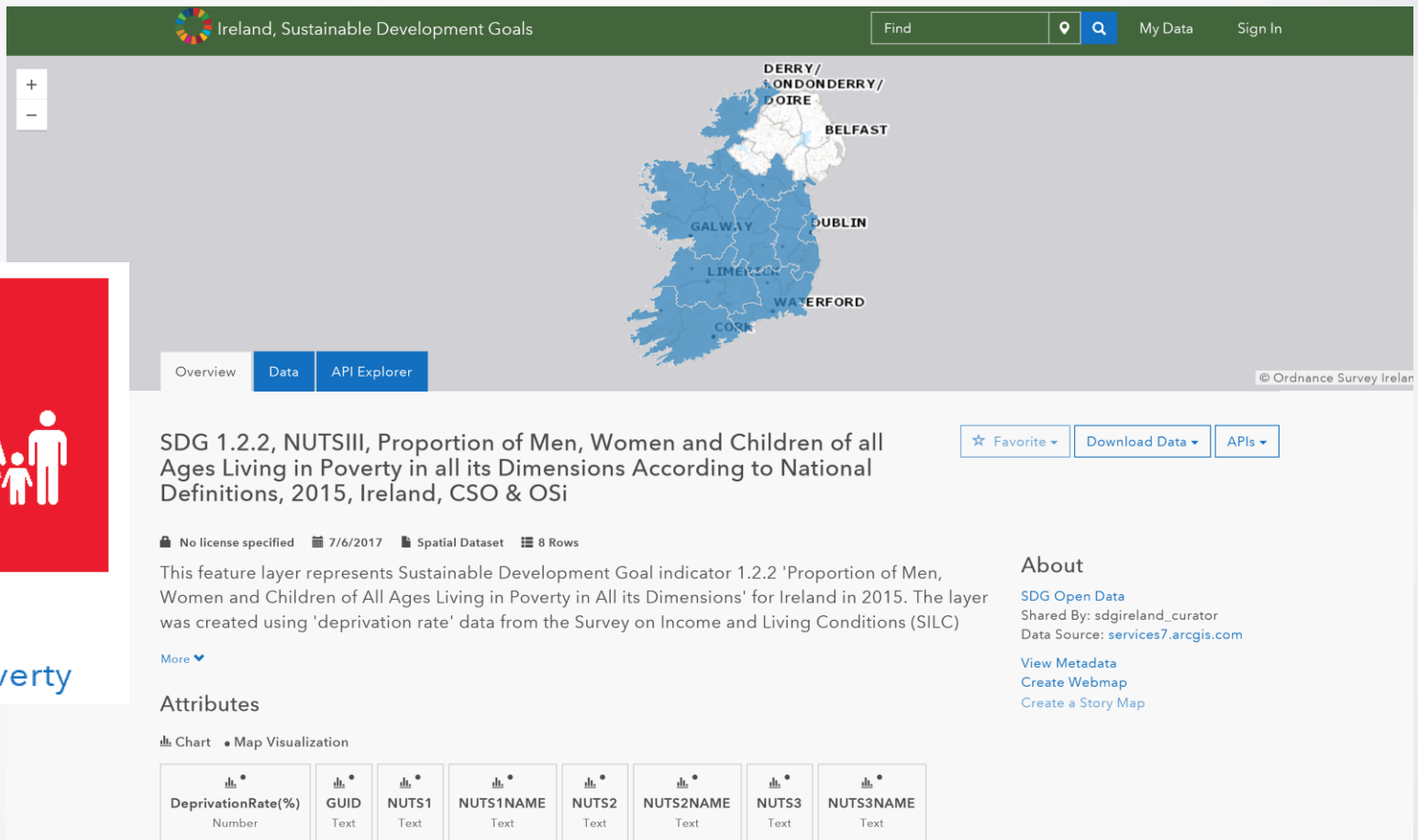
Here you can search for, discover and visualise the data we use to create our Indicators and report status and progress to the United Nations.

Explore our data for Sustainable Goals



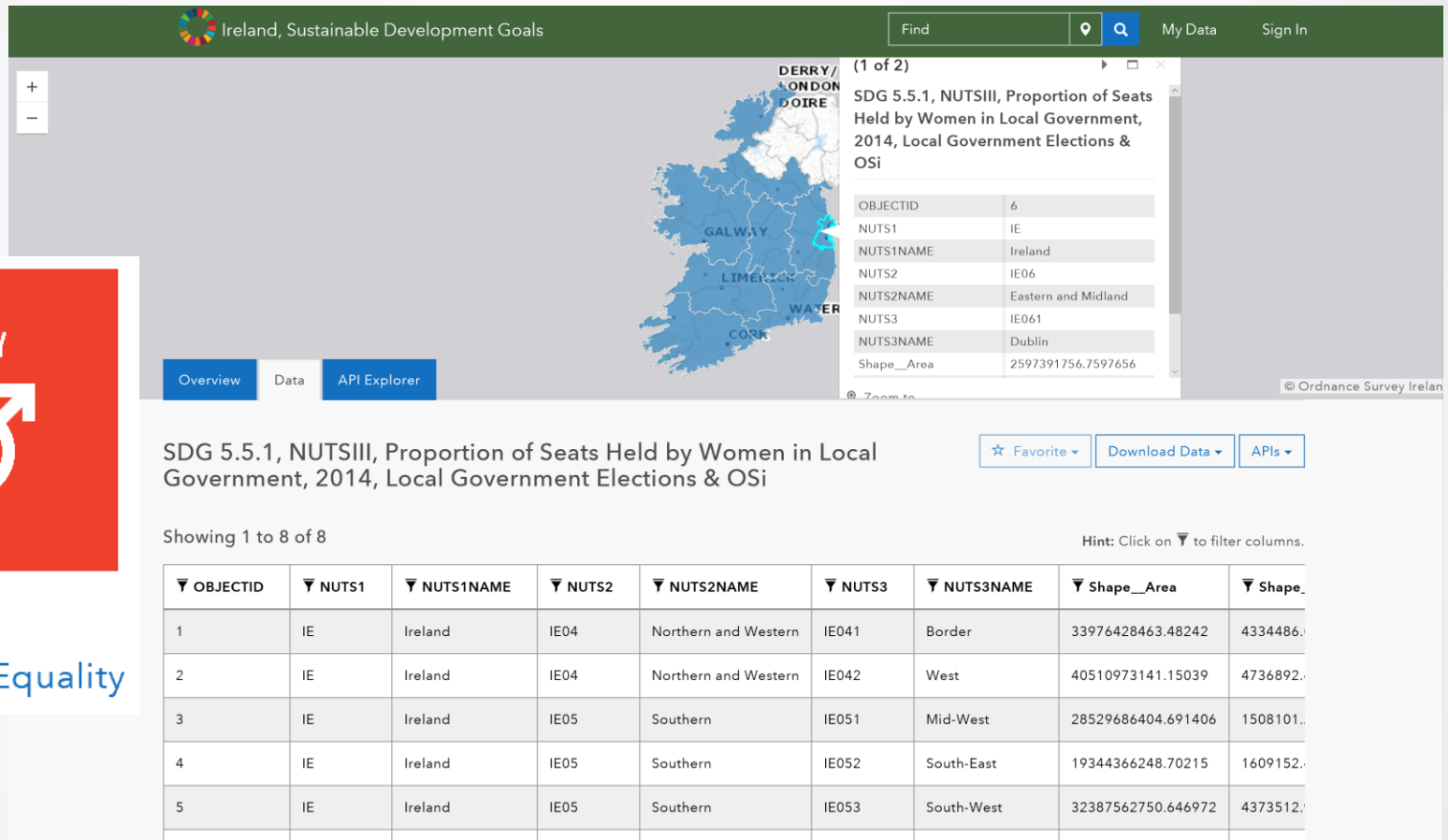


1. No Poverty





5. Gender Equality





9. Industry Innovation & Infrastructure



Ireland, Sustainable Development Goals

Find



My Data

Sign In

Overview

Data

API Explorer



© Ordnance Survey Ireland

SDG 9.2.2, NUTSIII, Manufacturing Employment as Percentage of Total Employment, 2017, Ireland, CSO & OSi

☆ Favorite

Download Data

APIs

No license specified 7/6/2017 Spatial Dataset 8 Rows

Explore this dataset's API by completing the fields below. The fields will populate the query URL and the output will appear in the JSON box below. If you'd like to know more about the API, please refer to the full [REST API documentation](#).

Query

Parameter

Value

Where

No Active Filters



Out Fields

☒ OBJECTID ☒ NUTS1 ☒ NUTS1NAME ☒ NUTS2 ☒ NUTS2NAME ☒ NUTS3
☒ NUTS3NAME ☒ GUID ☒ Shape__Area ☒ Shape__Length ☒ MaleTotal
☒ FemaleTotal ☒ TotalIndustryEmployment

The fields to be included in the returned result set.

Spatial Inputs

Output Options

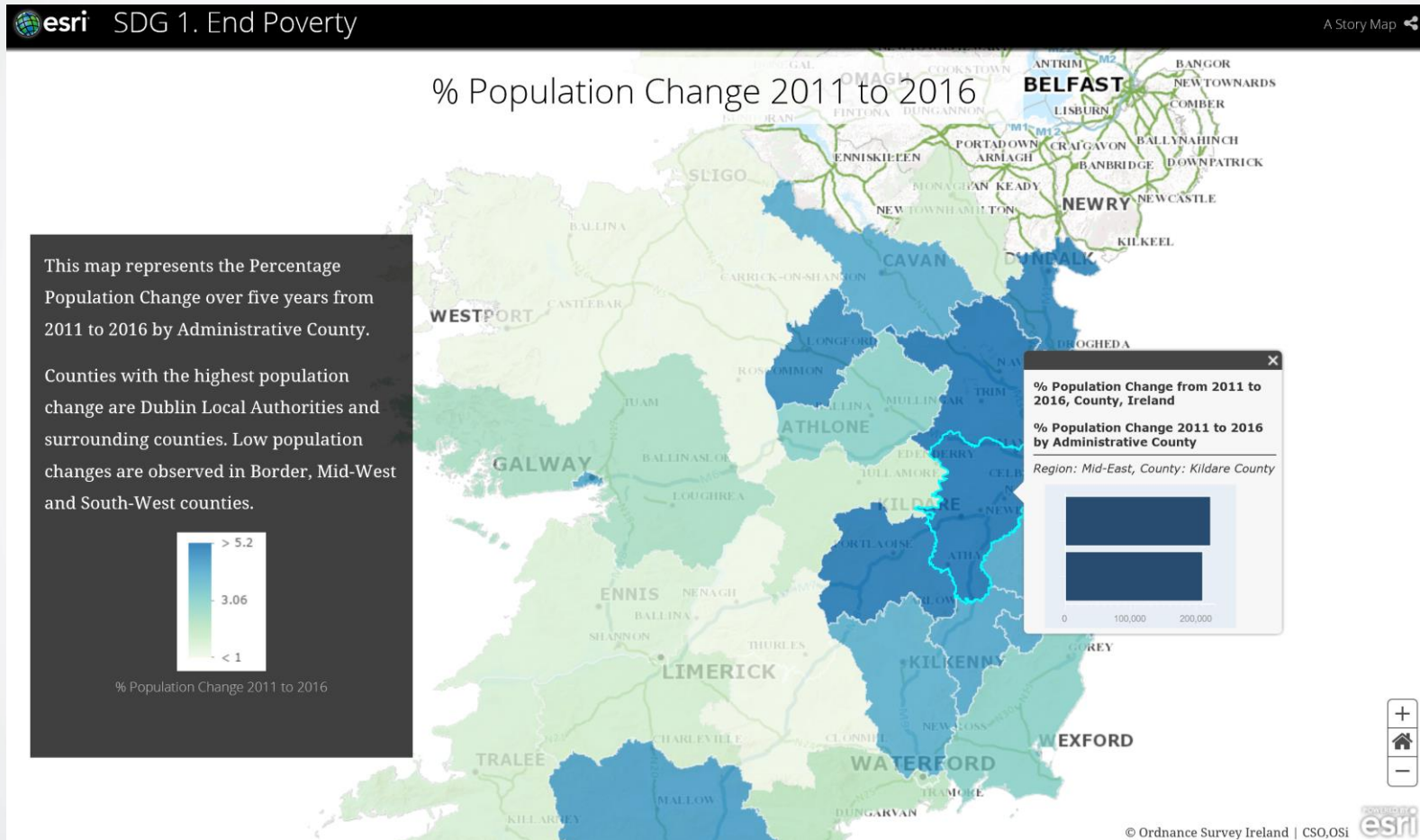
Try It Out

Reset

Query URL

```
https://services7.arcgis.com/XKcQKuJi8ywGgE6/arcgis/rest/services/SDG_9.2.2,_NUTSIII,_M
anufacturing_Employment_as_Percentage_of_Tot
al_Employment,_2017/FeatureServer/0/query?wh
ere=1%3D1&outFields=*&outSR=4326&f=json
```

Ireland's SDG portal



SUSTAINABLE DEVELOPMENT GOALS

UN Sustainable Development Goal Indicators, Ireland

UN Sustainable Development Goals in Ireland

SDG 8.2.1, NUTSIII, Annual Growth Rate of Real GDP per Employed Person, 2014, Ireland, CSO & OSI

Feature Service by [sdgireland_curator](#). Last Modified 7/25/17.

This feature layer represents Sustainable Development Goal indicator 8.2.1 'Annual Growth Rate of Real GDP per Employed Persons' for Ireland, 2014 at NUTSIII level. Source: Central Statistics Office, Ordnance Survey Ireland.

SDG 2.1.2, NUTSIII, Prevalence of Moderate or Severe Food Insecurity in the Population based on the Food Insecurity Experience Scale, 2015, Ireland, CSO & OSI

Feature Service by [sdgireland_curator](#). Last Modified 7/25/17.

This feature layer represents Sustainable Development Goal indicator 2.1.2 'Prevalence of Moderate or Severe Food Insecurity in the Population' for Ireland, 2017 Q1 at NUTSIII level. Source: Central Statistics Office, Ordnance Survey Ireland.

SDG 9.2.1, NUTSIII, Manufacturing Value Added as a Proportion of GDP and per Capita, 2014, Ireland, CSO & OSI

Feature Service by [sdgireland_curator](#). Last Modified 7/25/17.

This feature layer represents Sustainable Development Goal indicator 9.2.1 'Manufacturing Value Added as a Proportion of the GDP and per Capita' for Ireland, 2014, at NUTSIII level. Source: Central Statistics Office, Ordnance Survey Ireland.

SDG 3.6.1, Administrative County, Death Rate due to Road Traffic Accidents, 2013, Ireland, RSA, CSO & OSI

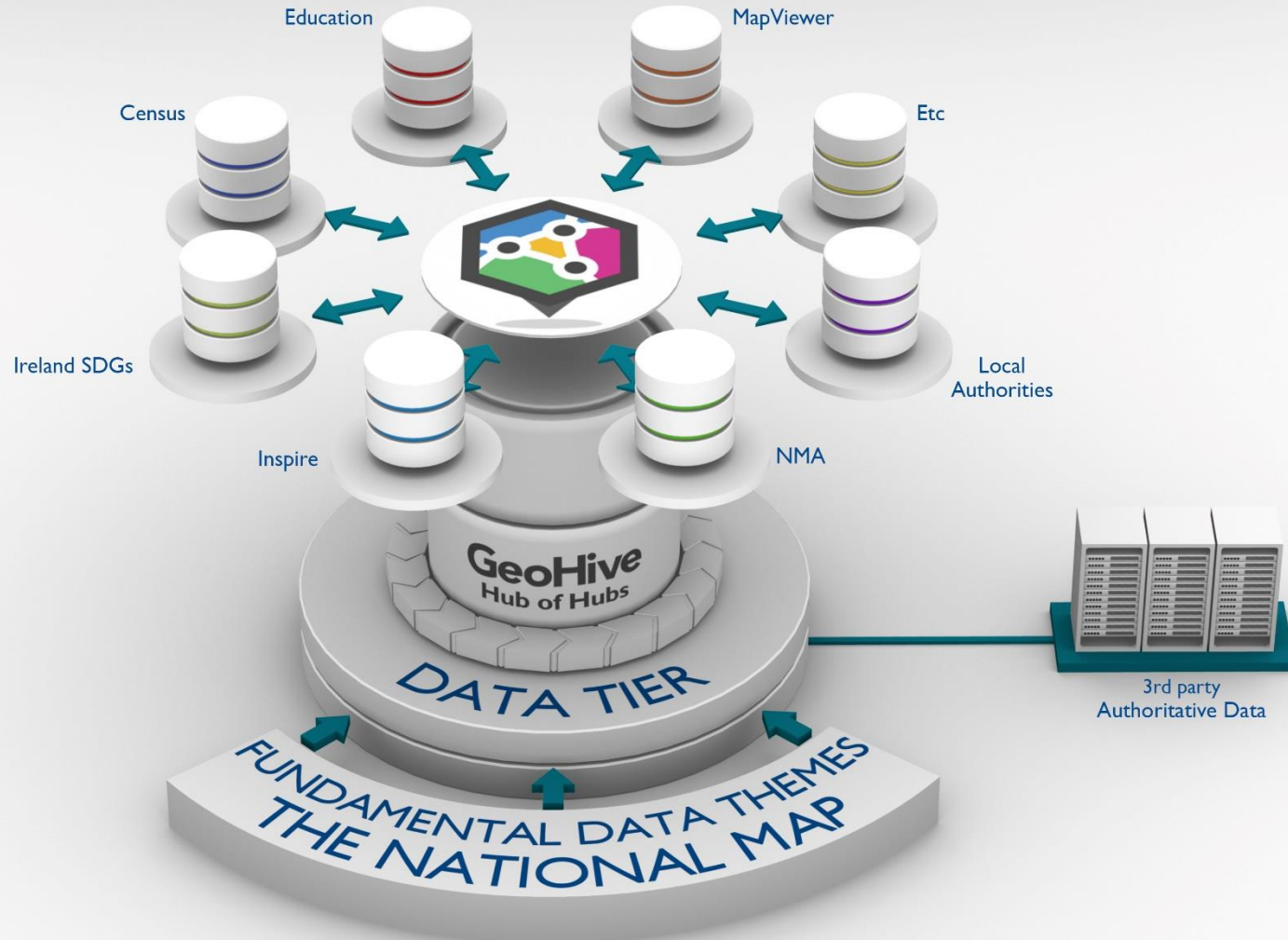
Feature Service by [sdgireland_curator](#). Last Modified 7/21/17.

This feature layer represents Sustainable Development Goal indicator 3.6.1 'Death Rate due to Road Traffic Accidents as Percentage of the Population' for Ireland, 2013 at

This Gallery presents work to date on mapping the Indicators for selected UN Sustainable Development Goals in Ireland

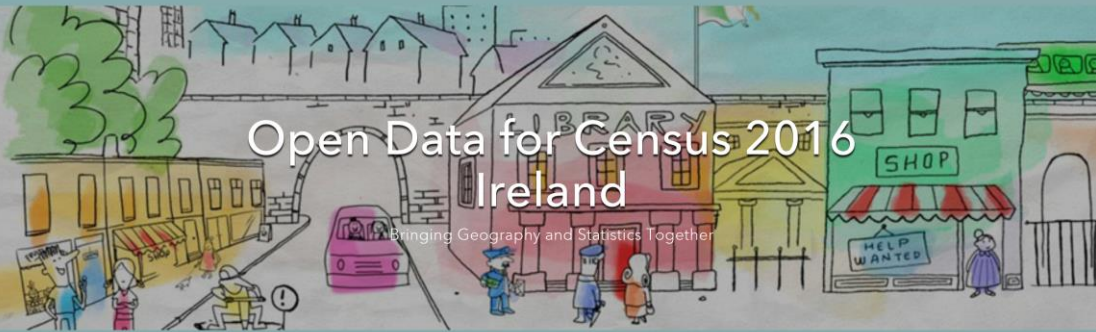
Open Data indicators that represent implementation and attainment of UN Sustainable Development Goals in Ireland. Indicators are produced as part of the Federated Sustainable Development Goal Research Initiative and a collaboration project between Ordnance Survey Ireland and the Central Statistics Office.

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



Other OSi/CSO collaborative projects

Census 2016 Open Data Site Sign In



Open Data for Census 2016 Ireland

Bringing Geography and Statistics Together

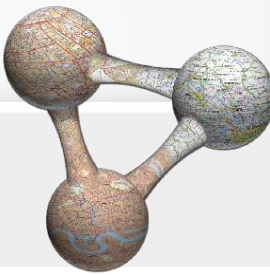
On this site Census 2016 datasets have been combined with Ordnance Survey Ireland's (OSi) official boundary data as part of a collaboration project between the Central Statistics Office (CSO) and OSi to link geography and statistics.

 **Ordnance Survey Ireland**

 **An Phríomh-Oifig Staidrimh**
Central Statistics Office

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

<http://data.geohive.ie/>
<https://www.osi.ie/blog/linked-data/>



data.geohive.ie

Serving Ireland's geospatial information as Linked Data.

About the Initiative

The goal of Ordnance Survey Ireland's (OSi) initiative with ADAPT 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.

[View details »](#)

Download and Query

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.

[View details »](#)

Contact and Legal

Contact us:

- Corporate
- Geohive

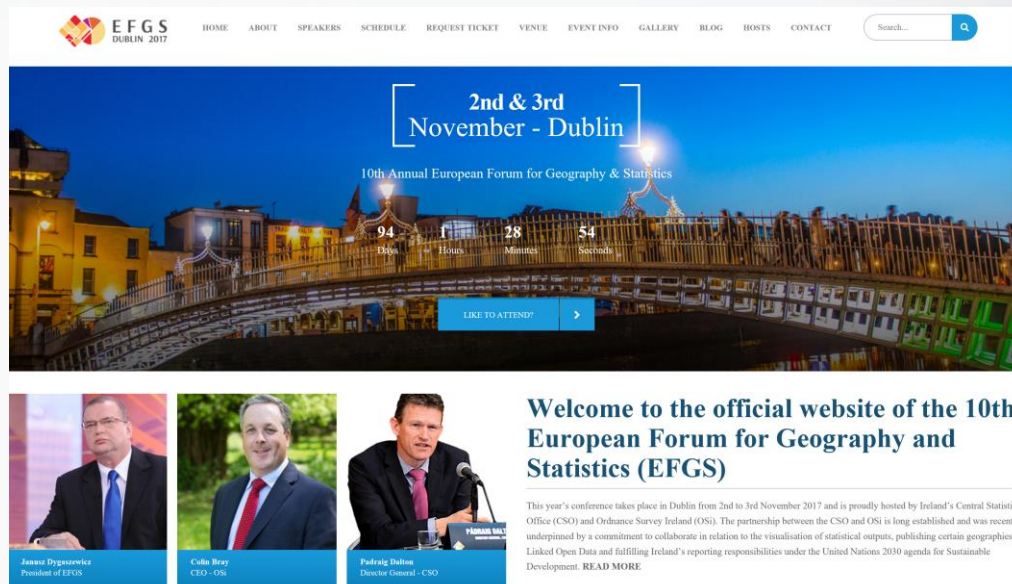
Or send us an email via geohive@osi.ie.

Legal:

- Corporate
- Privacy
- The data served by the OSi via the Linked Data frontend, query endpoints and files is licensed under CC BY 4.0.

 **Ordnance Survey Ireland**  **GeoHive**   **Trinity College Dublin**
The University of Dublin

EUROPEAN FORUM FOR GEOGRAPHY AND STATISTICS



- 220 delegates from 31 countries
- Speakers include:
 - Jack Dangermond – Esri President
 - Mick Cory – EuroGeographics Secretary General
 - Greg Scott – UN-GGIM Inter-Regional Advisor
 - Tim Trainor – US Census



Takeaways

- The value of a strong collaborative relationships
 - OSi & Central Statistics Office
 - Technical Partner
- The value of a platform approach to national mapping and to national geospatial systems architecture
- The value of having a clear understanding on the organisational roles and responsibilities regarding national geospatial data and national statistical data
- The value in visualising statistical data within a geospatial context
- The value of re-purposing existing systems and architecture



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Ireland

EuroGeographics General Assembly 2017
'NMCA's role in SDGs'

Thank You

