



**SUSTAINABLE
DEVELOPMENT GOALS**

Ireland





Colin Bray, OSi CEO

Articulating the Data Needs for SDGs

'Collaboration in Ireland'



Ordnance
Survey
Ireland



Introduction

- Collaboration between the Irish National Mapping Agency (Ordnance Survey Ireland, OSi) and the Irish Statistics Agency (Central Statistics Office, CSO).
- Under a joint Memorandum Of Understanding, this collaborative approach is delivering:
 - National SDG reporting platform
 - National Geospatial Linked Data standards
 - Open Data portal for Census 2016



- Ireland's National Mapping Agency
- Established in 1824
- Operates under the Ordnance Survey Ireland Act, 2001
- Mandate: "To provide a national mapping service in the State... creating and maintaining the definitive national mapping and related geographic records"



An Phríomh-Oifig Staidrimh
Central Statistics Office

- Ireland's National Statistical Office
- Established 1949
- Operates under the Statistics Act, 1993
- Mandate: "The collection, compilation, extraction and dissemination for statistical purposes of information relating to economic, social and general activities and conditions in the State"



OSi/CSO Memorandum Of Understanding

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

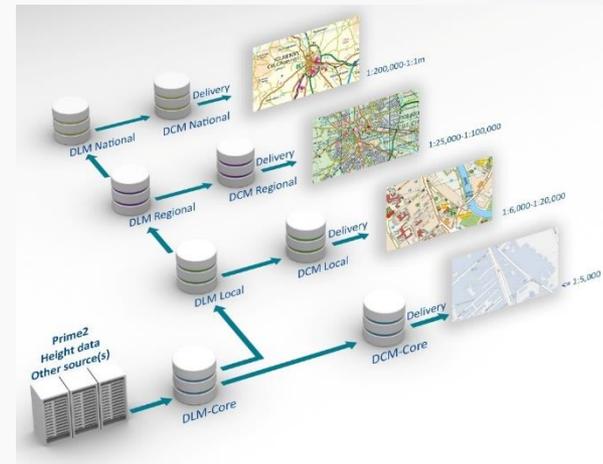
- Establish joint **CSO/OSi technical working group** to develop data visualisation
- Develop technical solution to fulfil Ireland's **reporting responsibilities** under the United Nations 2030 agenda for Sustainable Development
- Collaboration in developing new data dissemination channels
- Promote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



OSi Data & System Architecture

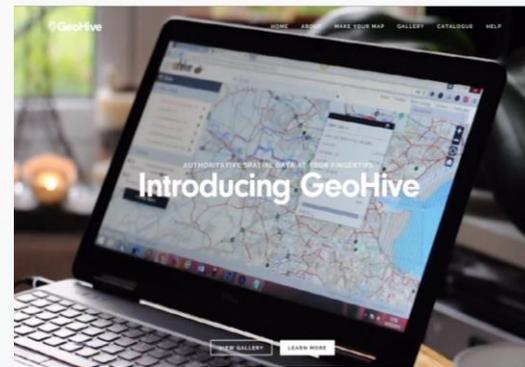


Authoritative National Object Platform



Multi Resolution Data Store

 **GeoHive**
National Collaborative Portal





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
 - First part focuses on requirements and deploying a web mapping and data management platform - planned duration of 4 months
 - During the second part data access will be expanded – planned duration of 3-6 months
 - In the final part a series of dashboard and information products will be published - planned duration of 4-8 months



Progress to-date in Ireland

- Developed over **35 indicators and 45 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
- Established a joint OSi/CSO/Esri Ireland **data governance team**
- Agreed that the Irelands 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

Ireland, Sustainable Development Goals
Find
My Data
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Overview Data API Explorer

SDG 1.2.2, NUTSIII, Proportion of Men, Women and Children of all Ages Living in Poverty in all its Dimensions According to National Definitions, 2015, Ireland, CSO & OSi

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

This feature layer represents Sustainable Development Goal indicator 1.2.2 'Proportion of Men, Women and Children of All Ages Living in Poverty in All its Dimensions' for Ireland in 2015. The layer was created using 'deprivation rate' data from the Survey on Income and Living Conditions (SILC)

[More](#)

Attributes

Chart | Map Visualization

DeprivationRate(%)	GUID	NUTS1	NUTS1NAME	NUTS2	NUTS2NAME	NUTS3	NUTS3NAME
Number	Text	Text	Text	Text	Text	Text	Text

About

[SDG Open Data](#)
 Shared By: [sdgireland_curator](#)
 Data Source: [services7.arcgis.com](#)

[View Metadata](#)
[Create Webmap](#)
[Create a Story Map](#)

[Favorite](#) [Download Data](#) [APIs](#)



Ireland, Sustainable Development Goals

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(1 of 2)
SDG 5.5.1, NUTSIII, Proportion of Seats Held by Women in Local Government, 2014, Local Government Elections & OSi

OBJECTID	6
NUTS1	IE
NUTS1NAME	Ireland
NUTS2	IE06
NUTS2NAME	Eastern and Midland
NUTS3	IE061
NUTS3NAME	Dublin
Shape_Area	2597391756.7597656

Overview Data API Explorer

SDG 5.5.1, NUTSIII, Proportion of Seats Held by Women in Local Government, 2014, Local Government Elections & OSi

Showing 1 to 8 of 8

Hint: Click on ▼ to filter columns.

▼ OBJECTID	▼ NUTS1	▼ NUTS1NAME	▼ NUTS2	▼ NUTS2NAME	▼ NUTS3	▼ NUTS3NAME	▼ Shape__Area	▼ Shape__
1	IE	Ireland	IE04	Northern and Western	IE041	Border	33976428463.48242	4334486..
2	IE	Ireland	IE04	Northern and Western	IE042	West	40510973141.15039	4736892..
3	IE	Ireland	IE05	Southern	IE051	Mid-West	28529686404.691406	1508101..
4	IE	Ireland	IE05	Southern	IE052	South-East	19344366248.70215	1609152..
5	IE	Ireland	IE05	Southern	IE053	South-West	32387562750.646972	4373512..

☆ Favorite Download Data APIs

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Ireland, Sustainable Development Goals

Overview Data API Explorer

© Ordnance Survey Ireland

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

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 <input type="button" value="+"/>
Out Fields	<input checked="" type="checkbox"/> OBJECTID <input checked="" type="checkbox"/> NUTS1 <input checked="" type="checkbox"/> NUTS1NAME <input checked="" type="checkbox"/> NUTS2 <input checked="" type="checkbox"/> NUTS2NAME <input checked="" type="checkbox"/> NUTS3 <input checked="" type="checkbox"/> NUTS3NAME <input checked="" type="checkbox"/> GUID <input checked="" type="checkbox"/> Shape__Area <input checked="" type="checkbox"/> Shape__Length <input checked="" type="checkbox"/> MaleTotal <input checked="" type="checkbox"/> FemaleTotal <input checked="" type="checkbox"/> TotalIndustryEmployment <small>The fields to be included in the returned result set.</small>

Query URL

```
https://services7.arcgis.com/XKcQKuJi8YwGgE6/arcgis/rest/services/SDG_9.2.2,_NUTSIII,_Manufacturing_Employment_as_Percentage_of_Total_Employment,_2017/FeatureServer/0/query?where=1%3D1&outFields=*&outSR=4326&f=json
```



9. Industry
Innovation &
Infrastructure

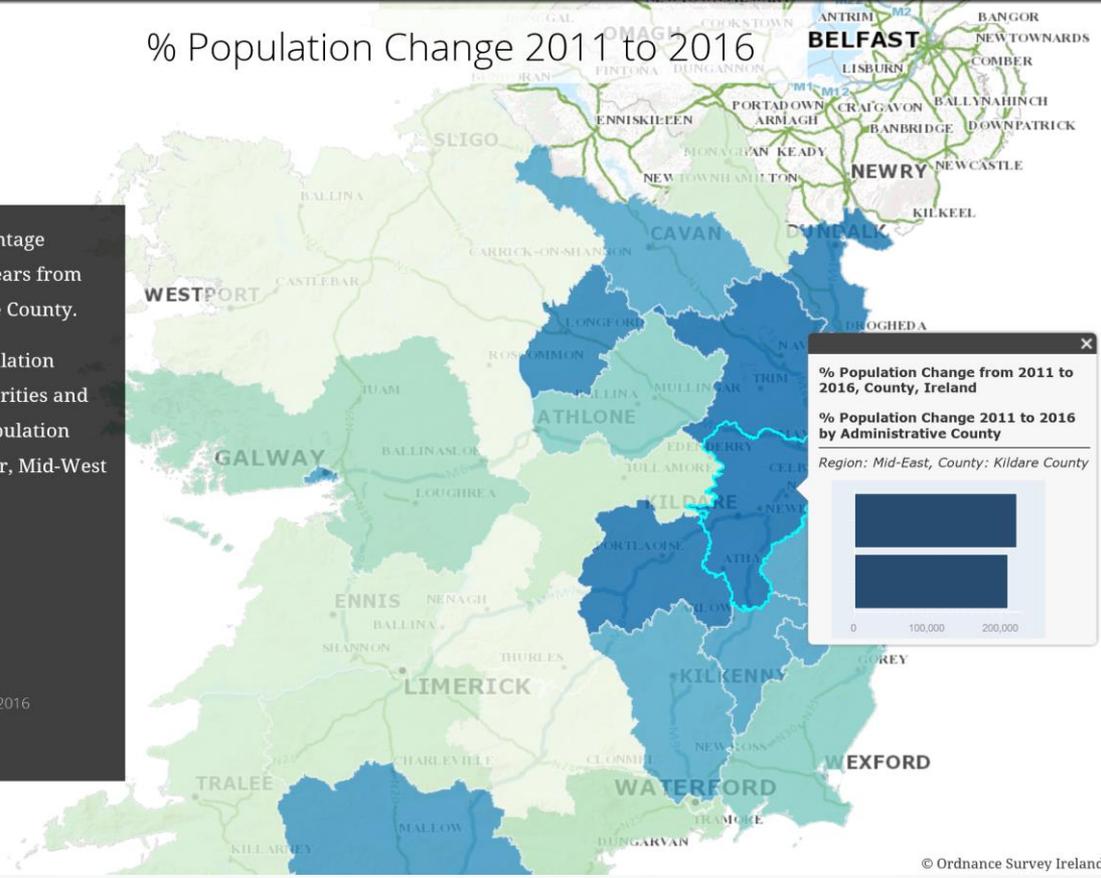


% Population Change 2011 to 2016

This map represents the Percentage Population Change over five years from 2011 to 2016 by Administrative County.

Counties with the highest population change are Dublin Local Authorities and surrounding counties. Low population changes are observed in Border, Mid-West and South-West counties.

% Population Change 2011 to 2016



% Population Change from 2011 to 2016, County, Ireland

% Population Change 2011 to 2016 by Administrative County

Region: Mid-East, County: Kildare County

0 100,000 200,000





SUSTAINABLE DEVELOPMENT GOALS

UN Sustainable Development Goal Indicators, Ireland

UN Sustainable Development Goals in Ireland

Search maps



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.



Lessons Learnt

- The value of a strong collaborative relationships
 - Ordnance Survey Ireland & Central Statistics Office
 - Technical Partner (Esri Inc. & Esri Ireland)
- The value of 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 reusing existing systems and architecture



Another example of the reuse systems architecture

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.





2nd & 3rd
November - Dublin

10th Annual European Forum for Geography & Statistics

94 Days 1 Hours 28 Minutes 54 Seconds

LIKE TO ATTEND?



Janusz Dygaszewicz
President of EFGS



Colin Bray
CEO - OSi



Pádraig Dalton
Director General - CSO

Welcome to the official website of the 10th European Forum for Geography and Statistics (EFGS)

This year's conference takes place in Dublin from 2nd to 3rd November 2017 and is proudly hosted by Ireland's Central Statistics Office (CSO) and Ordnance Survey Ireland (OSi). The partnership between the CSO and OSi is long established and was recently underpinned by a commitment to collaborate in relation to the visualisation of statistical outputs, publishing certain geographies as Linked Open Data and fulfilling Ireland's reporting responsibilities under the United Nations 2030 agenda for Sustainable Development. [READ MORE](#)

Thank You

