

Ireland's UN SDG Data Hub
Lorraine McNerney, General Manager

Ordnance Survey Ireland

Location as a common framework

Geospatial Data

IDs

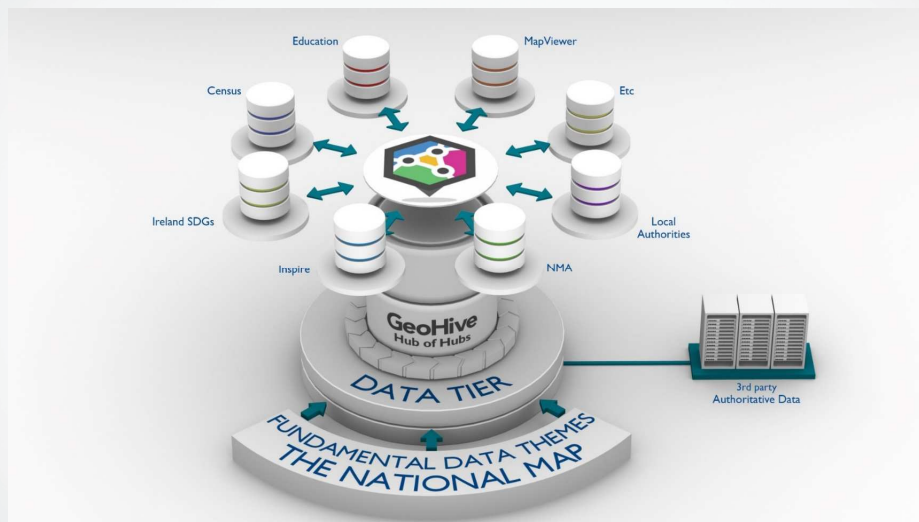
GUID	Area
1203501750071	42.3
1203501750072	34.8
1203501750073	26.9
1203501750074	51.2

Statistical Data

	Population	Male	Female
1203501750071	432	209	223
1203501750072	502	240	262
1203501750073	525	258	267
1203501750074	494	251	243

	Num HH	Avg HH size
1203501750071	89	4.9
1203501750072	98	5.1
1203501750073	102	5.1
1203501750074	85	5.8

What Geospatial/OSi brings to the relationship



GeoHive - National Data Infrastructure



Establishing Ireland's UN SDGs Data Hub

UNSD/Esri Research Project (commenced May 2017)

- Project goal - new approach for monitoring UN SDGs using GIS
- Participation of 7 UN Members - Ireland, Mexico, Senegal, Philippines, Qatar, South Africa and Australia.
- OSi and CSO - participating in partnership with Esri Ireland.



Developed & launched Ireland's UN SDG Data Hub



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




Ireland's UN SDGs Data Hub – Explore Data

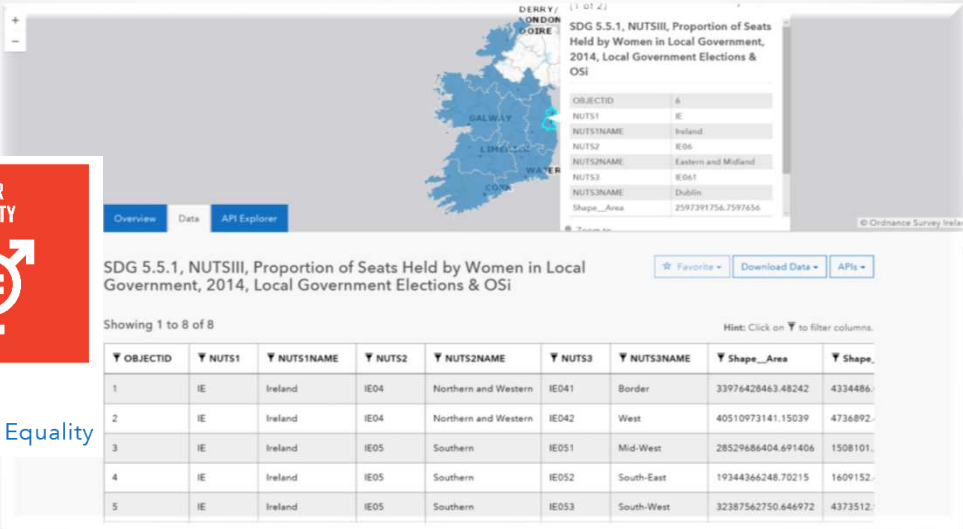


Ireland's UN SDGs Data Hub – Data Access

5

GENDER
EQUALITY






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	28529486404.691406	1508101.
4	IE	Ireland	IE05	Southern	IE052	South-East	19344366248.70215	1609152.
5	IE	Ireland	IE05	Southern	IE053	South-West	32387562750.646972	4373512.

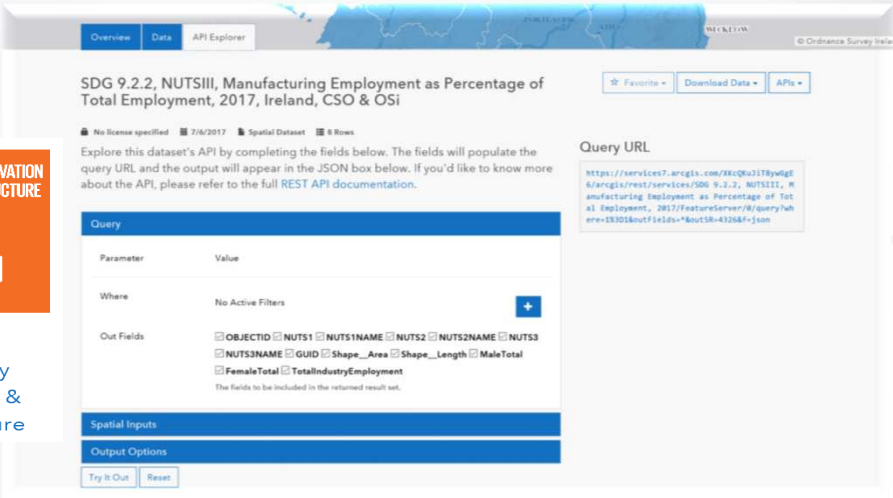


Ireland's UN SDGs Data Hub – APIs and Documentation

9

INDUSTRY, INNOVATION
AND INFRASTRUCTURE





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

No license specified | 7/6/2017 | Spatial Dataset | 6 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	<input type="checkbox"/> OBJECTID <input type="checkbox"/> NUTS1 <input type="checkbox"/> NUTS1NAME <input type="checkbox"/> NUTS2 <input type="checkbox"/> NUTS2NAME <input type="checkbox"/> NUTS3 <input type="checkbox"/> NUTS3NAME <input type="checkbox"/> GUID <input type="checkbox"/> Shape_Area <input type="checkbox"/> Shape_Length <input type="checkbox"/> MaleTotal <input type="checkbox"/> FemaleTotal <input type="checkbox"/> TotalIndustryEmployment <small>The fields to be included in the returned result set.</small>
Spatial Inputs	
Output Options	

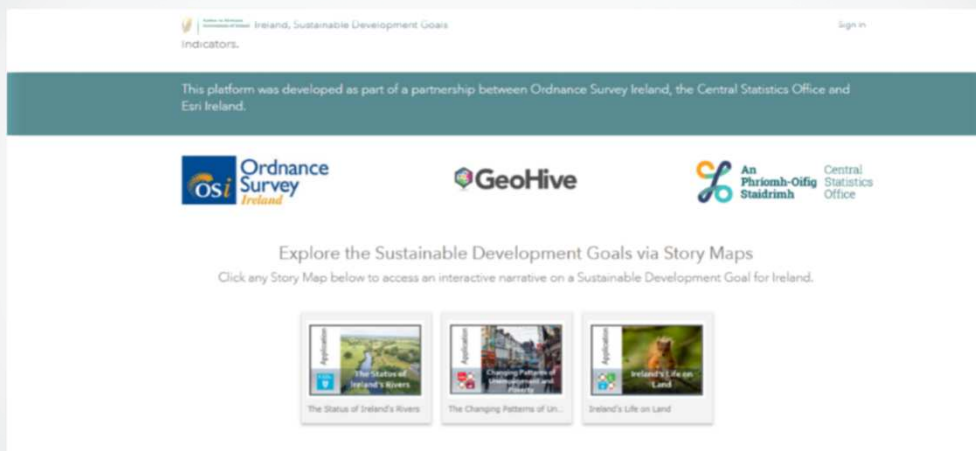
[Try It Out](#) [Reset](#)

Query URL

```
https://services7.arcgis.com/8X00ku318ywg/arcgis/rest/services/SDG_9.2.2_NUTSIII_Manufacturing_Employment_as_Percentage_of_Total_Employment_2017/FeatureServer/0/query?where=1&outFields=*&outSR=4326&f=json
```



StoryMaps – providing a narrative on Ireland’s SDGs



StoryMap # 1 – Ireland’s Life on Land

Ireland's Life on Land

This Story Map explores Ireland's Life on Land by taking a look at protected areas across Ireland, habitat types and national initiatives to protect and enhance biodiversity. This story map has been developed to support efforts of reporting Ireland's status in relation to achieving United Nations (UN) Sustainable Development Goals.

UN countries have adopted a set of 17 goals to end poverty, protect the planet and ensure prosperity for all as part of a new sustainable development agenda. Each goal has specific targets to help achieve the goals set out in the agenda by 2030.

The indicators illustrated below provide an insight into Ireland's progress towards Sustainable Development Goal numbers 6 and



StoryMap # 1 – Ireland’s Life on Land

Ireland's Life on Land

Ireland's Protected Areas

The map represents SDG 15.1.2 Proportion of important sites for terrestrial and freshwater biodiversity that are covered by protected areas at Electoral Division level, 2017.

At this geography a high proportion of lands covered by protected areas are apparent in the Midlands and in the East associated with major ecological areas such as the River Shannon and the Wicklow Mountains.

OSi Ordnance Survey Ireland

StoryMap # 2 – Changing Patterns

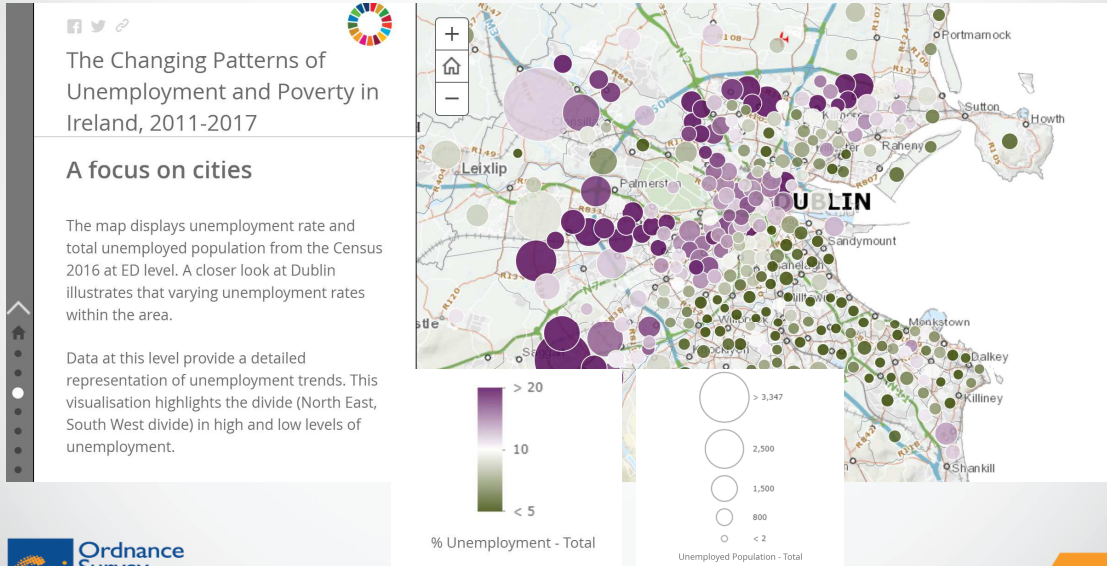
The Changing Patterns of Unemployment and Poverty in Ireland, 2011-2017

This Story Map illustrates changes in Ireland in relation to unemployment and poverty throughout the last decade. The Story Map has been developed to support efforts in reporting Ireland's status in relation to achieving United Nations (UN) Sustainable Development Goals.

UN countries have adopted a set of 17 goals to end poverty, protect the planet and ensure prosperity for all as part of a new sustainable development agenda. Each goal has specific targets to help achieve the goals set out in the agenda by 2030.

OSi Ordnance Survey Ireland

StoryMap # 2 – Changing Patterns



SDG Data Governance

- Established an OSi/CSO/Esri Ireland **Data Governance Team**, which meets weekly
- Established a national UN SDG Indicators **Data Governance Board** comprising stakeholders from Government and Agencies, which meets quarterly to agree:

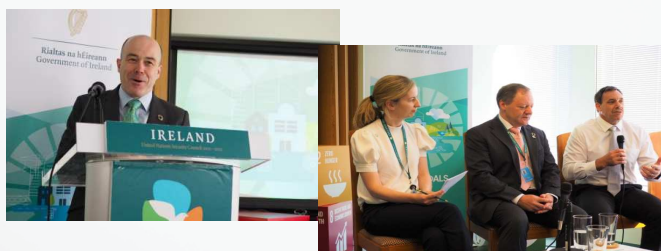
- ✓ Metadata
- ✓ Business glossaries
- ✓ Lifecycle management
- ✓ Data quality

Data Management / Metadata Management							
1. Identify data	2. Assess data for quality and reliability	3. Determine data ownership	4. Classify data	5. Document data	6. Store data	7. Disseminate data	8. Transfer data
1.1 Identify data sources and locations	2.1 Assess data quality and reliability	3.1 Determine data ownership	4.1 Classify data	5.1 Document data	6.1 Store data	7.1 Disseminate data	8.1 Transfer data
1.2 Identify data owners and custodians	2.2 Assess data quality and reliability	3.2 Determine data ownership	4.2 Classify data	5.2 Document data	6.2 Store data	7.2 Disseminate data	8.2 Transfer data
1.3 Identify data users and consumers	2.3 Assess data quality and reliability	3.3 Determine data ownership	4.3 Classify data	5.3 Document data	6.3 Store data	7.3 Disseminate data	8.3 Transfer data
1.4 Identify data producers and creators	2.4 Assess data quality and reliability	3.4 Determine data ownership	4.4 Classify data	5.4 Document data	6.4 Store data	7.4 Disseminate data	8.4 Transfer data
1.5 Identify data providers and suppliers	2.5 Assess data quality and reliability	3.5 Determine data ownership	4.5 Classify data	5.5 Document data	6.5 Store data	7.5 Disseminate data	8.5 Transfer data
1.6 Identify data consumers and users	2.6 Assess data quality and reliability	3.6 Determine data ownership	4.6 Classify data	5.6 Document data	6.6 Store data	7.6 Disseminate data	8.6 Transfer data
1.7 Identify data producers and creators	2.7 Assess data quality and reliability	3.7 Determine data ownership	4.7 Classify data	5.7 Document data	6.7 Store data	7.7 Disseminate data	8.7 Transfer data
1.8 Identify data providers and suppliers	2.8 Assess data quality and reliability	3.8 Determine data ownership	4.8 Classify data	5.8 Document data	6.8 Store data	7.8 Disseminate data	8.8 Transfer data
1.9 Identify data consumers and users	2.9 Assess data quality and reliability	3.9 Determine data ownership	4.9 Classify data	5.9 Document data	6.9 Store data	7.9 Disseminate data	8.9 Transfer data
1.10 Identify data producers and creators	2.10 Assess data quality and reliability	3.10 Determine data ownership	4.10 Classify data	5.10 Document data	6.10 Store data	7.10 Disseminate data	8.10 Transfer data



SDG Data Governance contd.

- Established UN SDG Civil Service **Senior Officials Group**, chaired by Department of Communication, Climate Action & Environment (DCCA), which both CSO and OSI are invited members with responsibility for:
 - ✓ Developing official reports on Ireland's progress towards the SDG Goals
 - ✓ Policy for the individual goals
 - ✓ Signing off on StoryMap content including policy narrative



Progress to-date in Ireland

- Formally launched **Ireland's UN SDG Data Hub** where interested parties can openly access, visualise and download data related APIs
- Developed **62 indicators (mostly Tier 1) and 112 datasets** at various geographies
- Established a **data governance teams** with key stakeholders

StoryMap for Ireland's official reporting on progress towards meeting national SDG targets delivered at the UN High Level Political Forum (HLPF) in July.



Key take-aways...

- Collaboration proven to be a great success, providing clear win-win for us and our stakeholders (**we are greater than the sum of our parts**)
- The value of having a clear understanding on organisational roles and responsibilities regarding national geospatial and statistical data (**playing to our strengths & removing duplication**)
- It's amazing what can be done with a **simple MOU and good will**
- The **value in visualising** statistical data within a geospatial context
- The value of re-purposing existing systems and architecture
- As a result of this successful collaboration CSO and OSi are partnering in taking the leading role in supporting government in the **development of a National Data Infrastructure (NDI)**.



UN World Geospatial Information Congress
Engaging government and citizens with the SDGs

19th November 2018, Deqing, China

Thank You

