

## UN SDGs - Ireland's innovative approach using geospatial visualisation

UNECE - 3rd Expert Meeting on statistics for SDGs 15-16 April 2019,  
Geneva, Switzerland

Presenter: Dr Mary Smyth  
Sustainable Development Goals & Indicator Reports,  
Central Statistics Office, Ireland

## UNSD/Esri Research Exercise

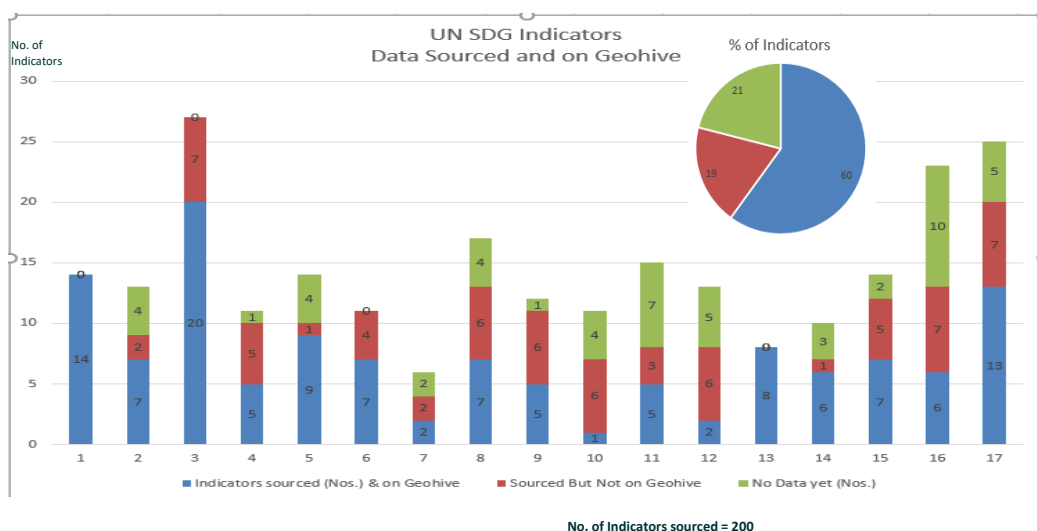
- Irish Central Statistics Office (**CSO**), Ordnance Survey Ireland (**OSi**) and **Esri Ireland**, are currently participating in the **UNSD/Esri Research Exercise**.
- Commenced in May 2017 with a goal to develop and deploy a new approach for monitoring the UN SDGs using GIS
- “Geospatial potential of statistical data.”

## SDG Platform

- <http://irelandsdg.geohive.ie/>
- **200+ indicators**
- **100+ Spatial datasets** (NUTS 3, county and census local area geography).
- The information contained on this portal will inform Ireland's progress against each Goal.
- Launched in November 2017
- Built to host UN, EU and National SDG Indicator values



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# Role of the CSO

The CSO's central role in the data needed to meet the requirements of the SDG Indicators :

- identification
- management, and
- Presentation

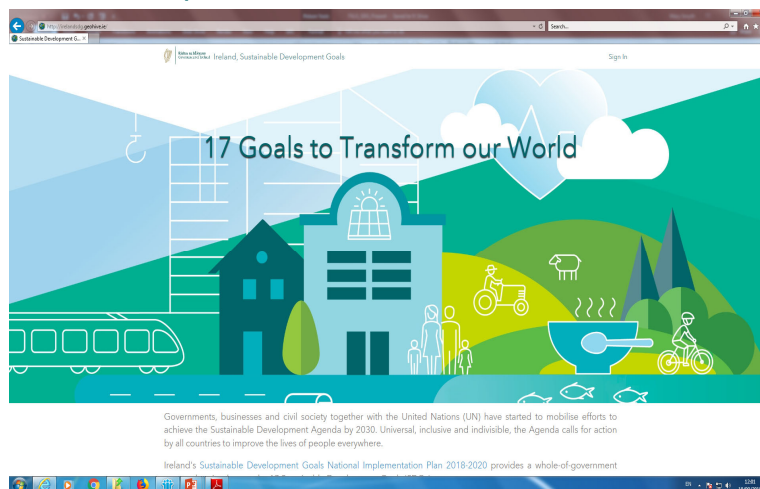
of the data needed to meet the requirements of the SDG Indicators.



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## Ireland's SDG portal

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



Ireland's public platform for exploring, downloading and combining publicly available data  
UN, European Union (EU) & National SDGs.

Launched: 2<sup>nd</sup> November 2017

Portal will inform Ireland's progress against each Goal

Site well received by:  
Government  
Public Sector  
Civil Society



Department of Communications, Climate Action and Environment (DCCAE) has responsibility for officially reporting on Ireland's progress towards meeting national SDG targets.

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## Ireland's SDG portal

Ireland, Sustainable Development Goals

Sign In



Explore the Sustainable Development Goals via Story Maps

Click any Story Map below to access an interactive narrative on a Sustainable Development Goal for Ireland.



Explore our data for Sustainable Development Goals

Click on an icon below to access spatial indicators relating to a particular Goal.



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## Story Maps

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

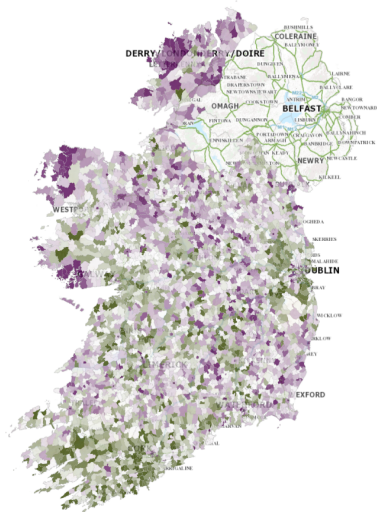
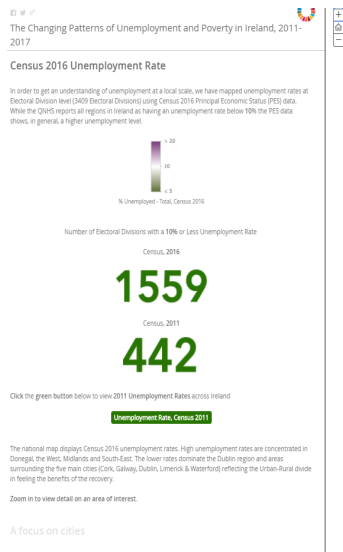
This Story Map illustrates changes in Ireland in relation to unemployment and poverty throughout the last decade. The Story Map has been developed to support efforts in reporting Ireland's status in relation to achieving United Nations (UN) Sustainable Development Goals.



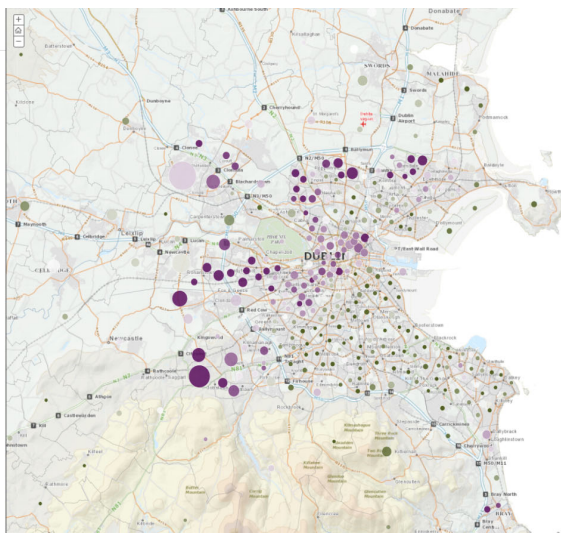
- open with policy commentary provided by the relevant Department, Agency or Office
- contain supporting information and relevant interactive maps

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# Story Maps



# Story Maps



# Ireland's SDG portal



Ireland, Sustainable Development Goals

Sign In

Explore our data for Sustainable Development Goals

Click on an icon below to access spatial indicators relating to a particular Goal.



1. No Poverty



2. Zero Hunger



3. Good Health &amp; Well-being



4. Quality Education



5. Gender Equality



6. Clean Water and Sanitation



7. Affordable and Clean Energy



8. Decent Work and Economic Growth



9. Industry, Innovation &amp; Infrastructure



10. Reduced Inequalities



11. Sustainable Cities and Communities



12. Responsible Consumption and Production



13. Climate Action



14. Life Below Water



15. Life on Land



16. Peace, Justice &amp; Strong Institutions



17. Partnerships for the Goals

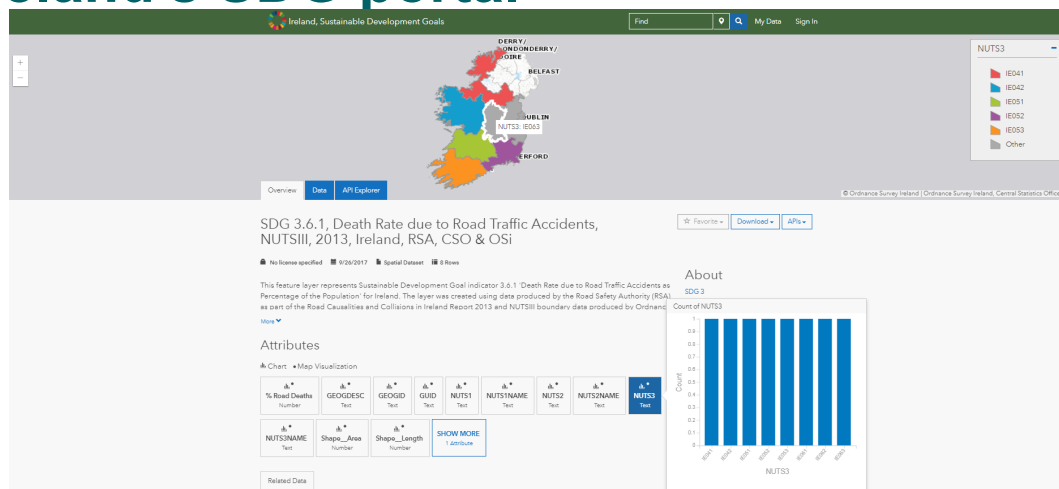


Boundary Data



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# Ireland's SDG portal



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## Governance

Established a OSi/CSO/Esri Ireland **data governance team** which holds weekly meetings.

In addition, the CSO established a national UN SDG Indicators Data Governance Board (UNSDGDGB) consisting of various stakeholders from Government Departments and Agencies, which meets on a quarterly basis.

The UNSDGDGB has responsibility for:

- metadata,
- business glossaries,
- lifecycle management, and
- data quality.



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## Governance, ctd.

There is also a UN SDG Civil Service Senior Officials Group, chaired by the DCCA, which both the CSO and OSi are members.

- This group is charged with developing the official reports on Ireland progress toward the SDG Goals.
- Subsets of this group have official responsibility for the policy aspects of individual Goals.
- All the story maps on the Ireland's SDG portal are presented to this group for feedback prior to release, most especially if there is a policy aspect to a narrative.



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## Census open data site

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 collaborative project between the Central Statistics Office (CSO) and OSi to link geography and statistics.



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

[www.cso.ie](http://www.cso.ie)

## Census open data site

Census 2016 Open Data Site Sign In

### Explore Data via Census Themes

Click to access statistics in any of the 15 Census themes provided below.

We have used official Alias Names for the Census 2016 Variables presented on this site.  
Download the [Census 2016 Glossary](#) as a cross reference between the variable field names and descriptive alias names.

1. Sex, Age & Marital Status	2. Migration, Ethnicity & Religion	3. Irish Language	4. Families
5. Private Households	6. Housing	7. Communal Establishments	8. Principal Status
9. Social Class & Socio-Economic Group	10. Education	11. Commuting	12. Disability, Care & General Health



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## New Developments

### Ireland's Institute for SDGs (IIS)

- Follow the UNECE Road Map
- IIS website a central portal for all Government Depts
- Co-ordinate all National SDGs

### CSO Statbank (Database)

- Automatic update SDGs from CSO Statbank
- Geospatial variable on Statbank
- Maps automatically updated



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## Regional SDGs Ireland 2017

Embracing the experiences gained from working on the UNSD/Esri research project, the CSO's SDG team has also developed an electronic SDG publication with a national focus.

This publication is an update of a previous publication, "*Regional quality of life in Ireland 2013*" and is an exemplar of Irish SDG publications which will be complementary our SDG reporting platform.

This publication has been very well received across all sections Government and social society. Its design will inform future Irish VNRs.

It can be found here:

<https://www.cso.ie/en/releasesandpublications/ep/p-rsdgi/regionalsdgsireland2017/>

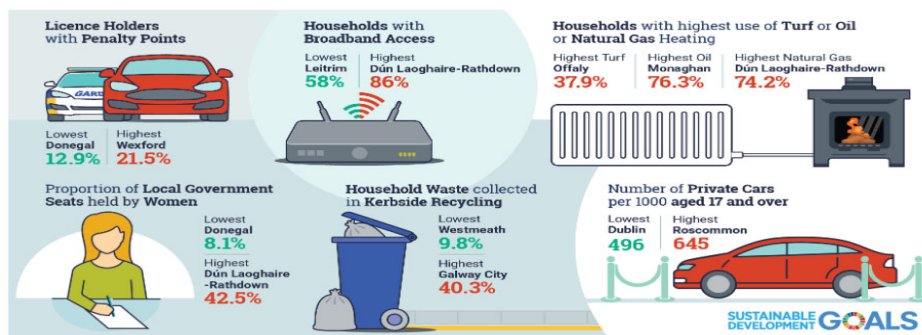


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## Regional SDGs Ireland 2017

An Phríomh-Oifig Staidrimh  
Central Statistics Office

### Regional SDGs Ireland 2017



CSO statistical publication, 26 February 2019, 11am



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## Regional SDGs Ireland 2017

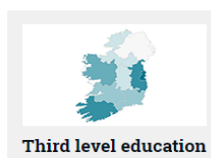
### HIGHLIGHTS IN MAPS

#### Poverty, employment, education

One in four people (25.7%) living in the Border region was at risk of poverty in 2017. The at risk of poverty rates in Dublin (11.7%) and the Mid-West (12.9%) were less than half the rate of the Border region.

The highest employment rate in 2017 was in the South-West at 70.1% followed Dublin at 69.1% while the lowest was in the Midland region at 59.4%.

One in three people nationally whose full-time education has ceased had a third level qualification. This proportion was highest in Dublin at 40.7% and lowest in the Midland region at 26.4%.



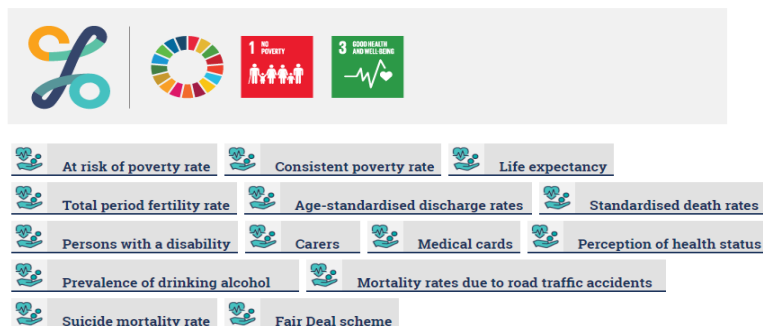
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# Regional SDGs Ireland 2017

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## Regional SDGs Ireland 2017

### Poverty & health



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# Regional SDGs Ireland 2017

## 2.1 At risk of poverty rate by region 2013-2017

Table 2.1 At risk of poverty rate by region, 2013 - 2017

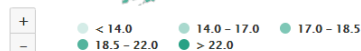
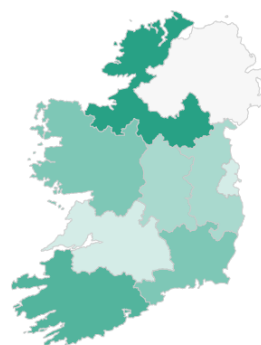
Region	2013	2014	2015	2016	2017
Border	28.6	23.8	21.8	20.5	25.7
Midland	19.1	17.0	16.6	18.9	14.2
West	18.8	21.9	19.5	22.7	18.4
Dublin	9.5	10.5	12.2	11.6	11.7
Mid-East	16.1	16.7	16.5	16.0	14.5
Mid-West	16.0	20.9	14.8	14.1	12.9
South-East	19.7	17.0	19.0	18.1	18.3
South-West	17.3	18.3	18.8	18.0	18.7
<b>Total</b>	<b>16.2</b>	<b>16.7</b>	<b>16.3</b>	<b>16.2</b>	<b>15.7</b>

Source: CSO SILC

Open in Excel: [Regional SDGs Ireland 2017 Table 2.1 \(XLS 12KB\)](#)

- Nationally 15.7% of people in Ireland were at risk of poverty in 2017.
- One in four people (25.7%) living in the Border region was at risk of poverty in 2017.
- The at risk of poverty rates in Dublin (11.7%) and the Mid-West (12.9%) were less than half the rate of the Border region.

Map 2.1 At risk of poverty rate, 2017



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**Thank you**

**Any Questions?**