



An
Phríomh-Oifig
Staidrimh

Central
Statistics
Office



UN SDG Data Hub

- Ireland's innovative approach to geospatial visualisation

5th National Forum - Education for Sustainable Development
Dublin Castle. Nov 28th, 2019.

Presenter: Dr Mary Smyth
Central Statistics Office, Cork

UNSD/Esri Research Exercise

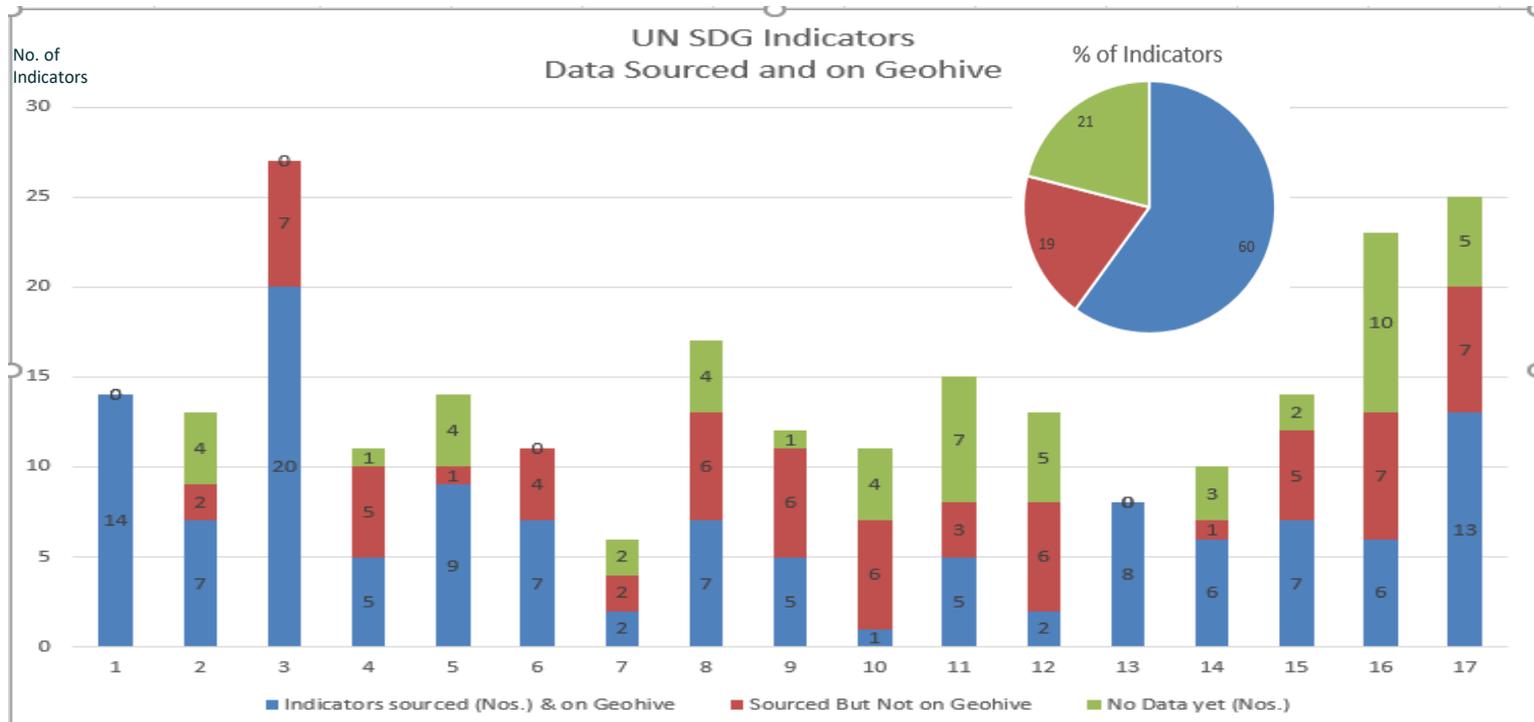
- Irish Central Statistics Office (**CSO**), Ordnance Survey Ireland (**OSi**) and **Esri Ireland** - participating in the **UNSD/Esri Research Exercise**.
- Commenced in May 2017 with a goal to develop and deploy a new approach for
 - **Monitoring** the UN SDGs using GIS
- “Geospatial potential of statistical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



SDG Platform

- **Indicators Data Hub** <http://irelandsdg.geohive.ie/>
- **86% UN Indicators** (211 of 244)
- **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 (Re-designed July 2019)
- Built to host UN, EU and National SDG Indicator values





No. of Indicators sourced = 200





Welcome to Ireland's Sustainable Development Goals (SDGs) data hub.

This is a collaboration platform for reporting on progress towards the goals and sharing information on related initiatives.

Ireland's progress against each goal is measured using a set of United Nations (UN) global and European Union (EU) agreed targets and indicators.

From this home page, you can access information on specific goals, view our video and sign up to receive updates.



SDG Indicators Data Hub

Governments, businesses and individuals in Ireland are mobilising efforts to achieve the UN Sustainable Development Agenda by 2030. Universal, inclusive and indivisible, this far reaching plan calls for action by all countries to improve the lives of people everywhere.

Integral to the Sustainable Development Agenda are 17 SDGs covering everything from poverty and climate change to infrastructure development and industry. Ireland has published a **Sustainable Development Goals National Implementation Plan 2018-2020** to provide a whole-of-government approach to implementing these goals.

This platform was developed as part of a partnership between Ordnance Survey Ireland, the Central Statistics Office and Esri Ireland.



Ireland's public platform for exploring, downloading and combining publicly available data

UN, European Union (EU) & National SDGs.

Portal will inform Ireland's progress against each Goal

Data hub – SDG Platform <http://irelandsdg.geohive.ie/>

Explore the Sustainable Development Goals

Click on a card below to access progress reports and indicator data relating to a particular Goal.



Sustainable Development Goal 1 Progress, Ireland
See Ireland's progress towards Sustainable Development Goal 1

Explore



Sustainable Development Goal 2 Progress, Ireland
See Ireland's progress towards Sustainable Development Goal 2

Explore



Sustainable Development Goal 3 Progress, Ireland
See Ireland's progress towards Sustainable Development Goal 3

Explore



Sustainable Development Goal 4 Progress, Ireland
See Ireland's progress towards Sustainable Development Goal 4

Explore



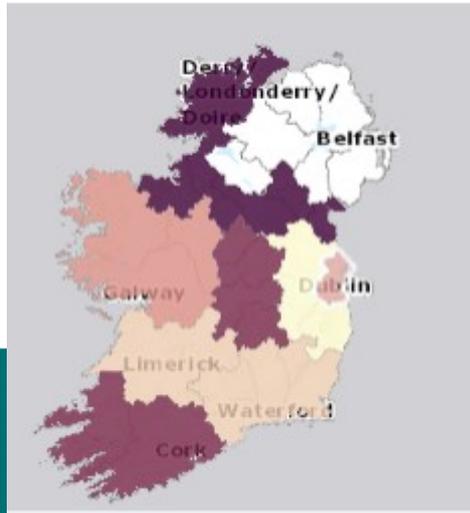
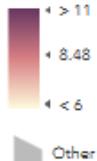
Riadas na hÉireann
Government of Ireland

[Home](#) [Goals](#) [Events](#) [Data](#) [Guidelines](#) [Stories & Applications](#)

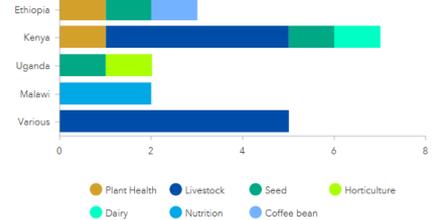
SDG 1.1.1, Proportion of the Population in Consistent Poverty, NUTS 3, 2016, Ireland, CSO & OSI

Last updated 7 days ago | 8 Records

Consistent Poverty Rate - 2016



Number of Argi Food Development Programme projects 2017-2019 by Country and Type, DAFM



Last update: a few seconds ago



Africa Agri-Food Development Programme



www.cso.ie

Story Maps



The screenshot shows a digital interface for a Story Map. On the left, there are social media icons (Facebook, Twitter, LinkedIn) and a circular logo with a rainbow spectrum. The main content area has a title, a paragraph of text, and a large image of a busy street scene. The street scene shows people walking, shops like 'SWEATERS' and 'The Factory Shop', and blue and white bunting strung across the street. A vertical navigation bar on the left side of the interface includes an upward arrow, a series of dots, and a downward arrow.

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

Story Maps



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



Census 2016 Unemployment Rate

In order to get an understanding of unemployment at a local scale, we have mapped unemployment rates at Electoral Division level (3409 Electoral Divisions) using Census 2016 Principal Economic Status (PES) data. While the QNHS reports all regions in Ireland as having an unemployment rate below 10% the PES data shows, in general, a higher unemployment level.



Number of Electoral Divisions with a 10% or Less Unemployment Rate

Census, 2016

1559

Census, 2011

442

Click the green button below to view 2011 Unemployment Rates across Ireland

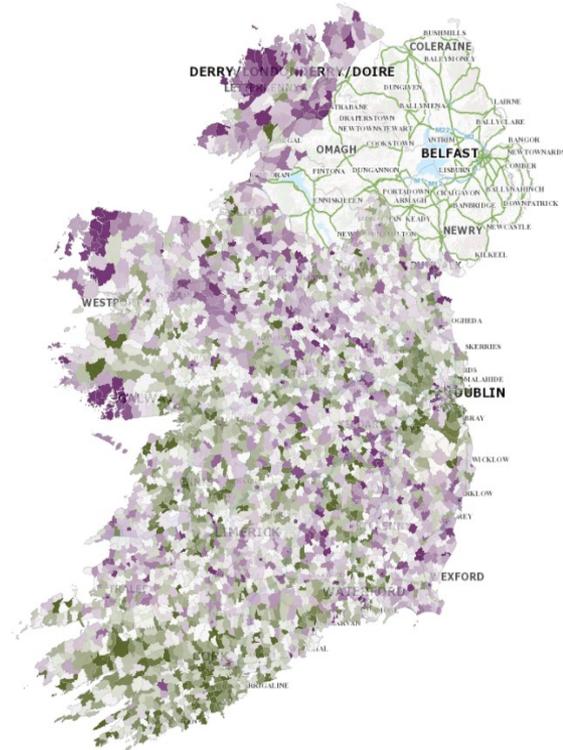
[Unemployment Rate, Census 2011](#)

The national map displays Census 2016 unemployment rates. High unemployment rates are concentrated in Donegal, the West, Midlands and South-East. The lower rates dominate the Dublin region and areas surrounding the five main cities (Cork, Galway, Dublin, Limerick & Waterford) reflecting the Urban-Rural divide in feeling the benefits of the recovery.

Zoom in to view detail on an area of interest.

A focus on cities

This map displays unemployment rates and total unemployment numbers from the Census 2016 at ED level. ©



Story Maps



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



A focus on cities

The map displays unemployment rate and total unemployed population from the Census 2016 at ED level. A closer look at Dublin illustrates that varying unemployment rates within the area.

Data at this level provide a detailed representation of unemployment trends. This visualisation highlights the divide (North East, South West divide) in high and low levels of unemployment.



Unemployment by previous occupation

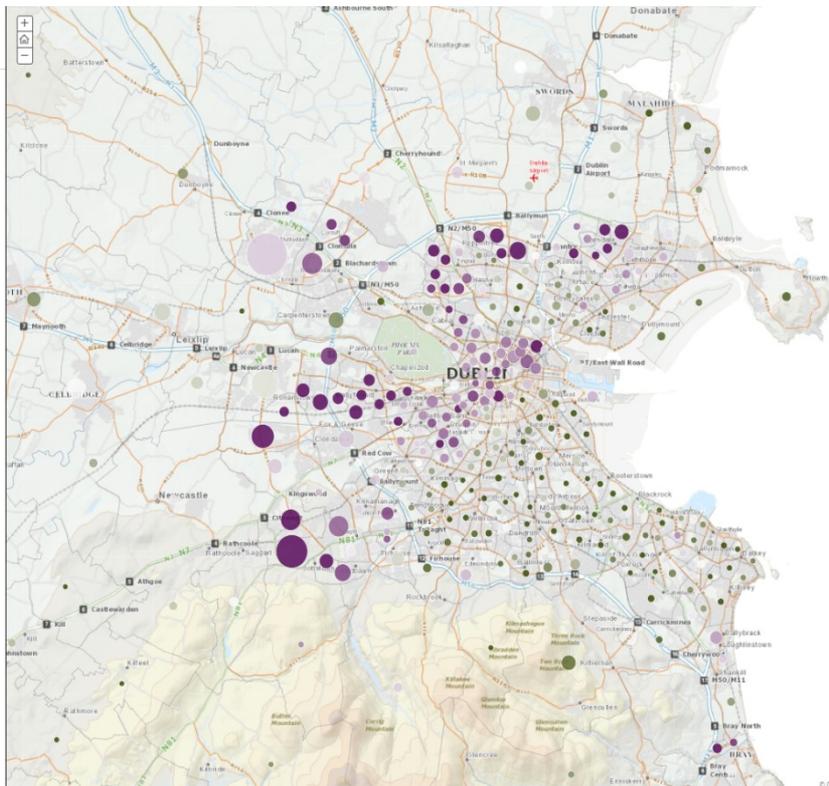
This predominance map represents population by social class categorised by broad occupation type at Electoral Division level (Census, 2016). Hover over graph to view detail.

Click here to take a closer look at [Unemployment by previous occupation](#)



Skilled manual (includes trades people) or Semi-skilled (includes labourers) populations dominate many of the areas.

Farm owners and managers (100-199 acres) are included in the managerial and technical group providing some explanation to the dominance of this category across rural areas. Farm owners and managers (200 or more acres) are included in the Professional workers category which may explain the dominance of this category in some rural areas such as [Mountbegon Co. Clare](#).



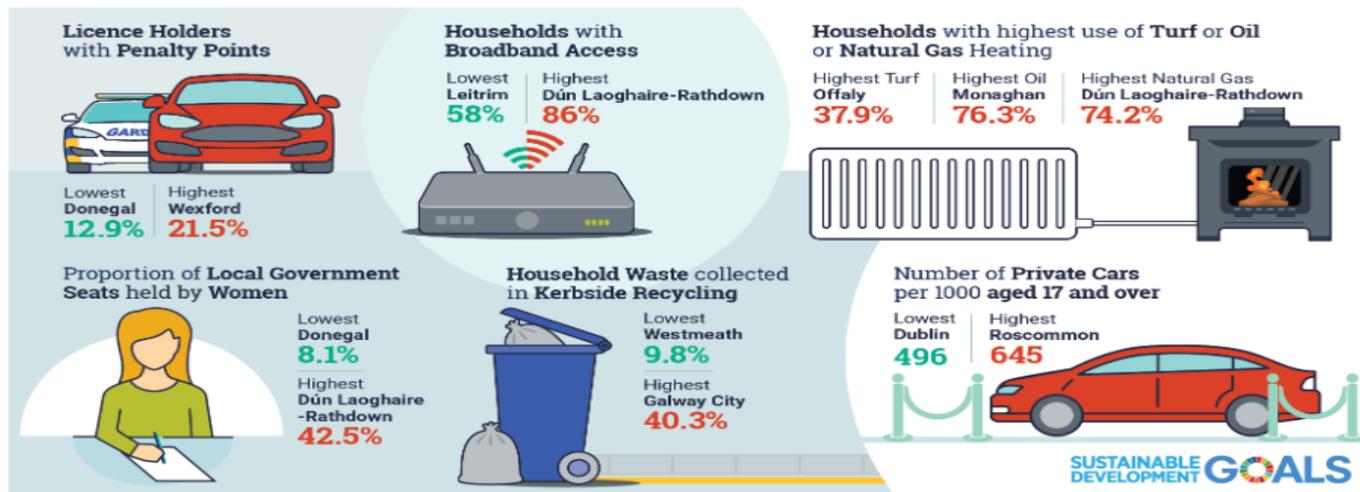
Governance

1. Established a OSi/CSO/Esri Ireland **data governance team** - weekly meetings.
2. In addition, the CSO established a national UN SDG Indicators Data Governance Board (UNSDG DGB) consisting of various stakeholders from Government Departments and Agencies, - quarterly meetings
 - The UNSDG DGB has responsibility for:
 - business glossaries, lifecycle management, and data quality.
3. There is also a UN SDG Civil Service Senior Officials Group, chaired by the DCCAE, 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.



Regional SDGs Ireland 2017

Regional SDGs Ireland 2017



CSO statistical publication, 26 February 2019, 11am

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

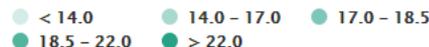
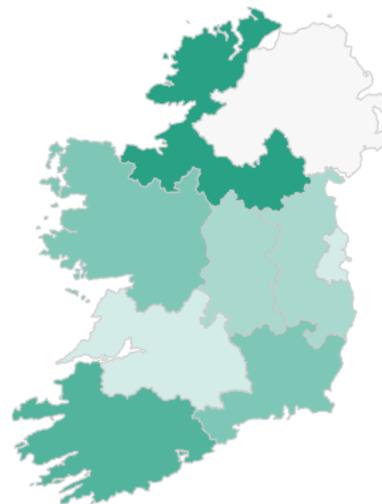
Region	% persons				
	2013	2014	2015	2016	2017
Border	28.6	23.8	21.8	20.5	25.7
Midland	19.1	17.0	15.6	18.9	14.2
West	18.8	21.9	19.5	22.7	18.4
Dublin	9.5	10.5	12.2	11.6	11.7
Mid-East	16.1	16.7	16.5	16.0	14.5
Mid-West	16.0	20.9	14.8	14.1	12.9
South-East	19.7	17.0	19.0	18.1	18.3
South-West	17.3	18.3	18.8	18.0	18.7
Total	16.2	16.7	16.3	16.2	15.7

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



Source: CSO Ireland



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
- GSBPM

CSO Statbank (Database)

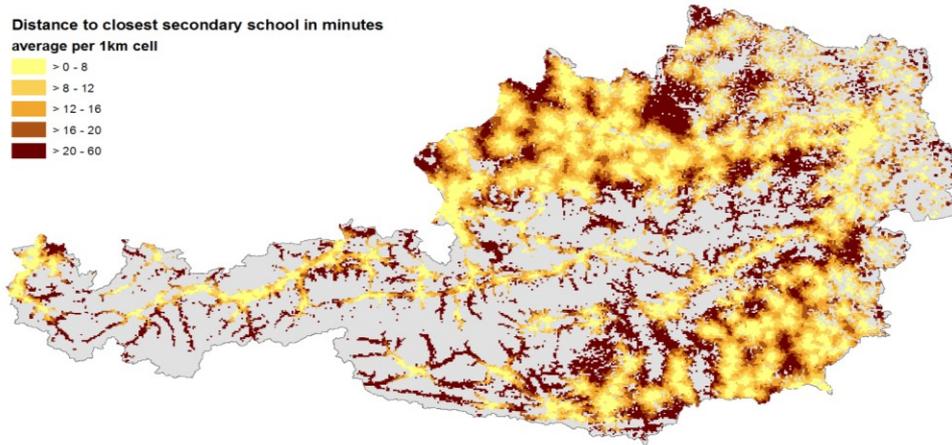
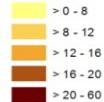
- Automatic update SDGs from CSO Statbank
- Geospatial variable on Statbank
- Maps automatically updated



SDGs Publications

- 1) Proximity analysis – Nearest Distance to Services
 - CSO in collaboration with OSi
 - Publish date: end 2019

Distance to closest secondary school in minutes
average per 1km cell



Coastal Living

40,000 people
live less than
100 metres from
the coast



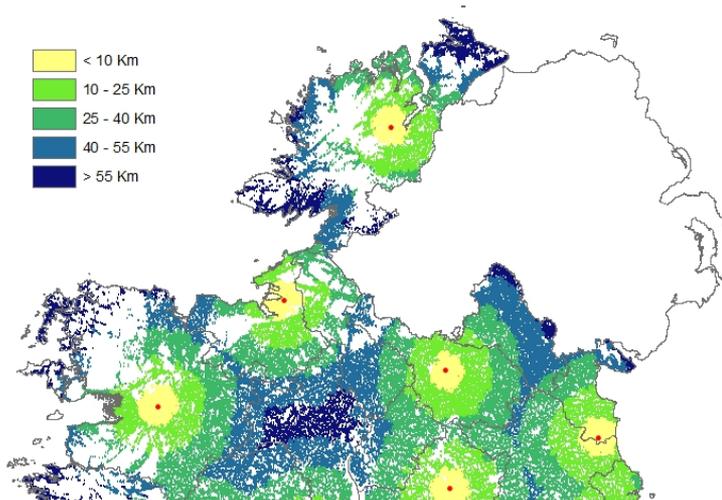
1.9 million people
live within 5km
of the coast or
40% of population



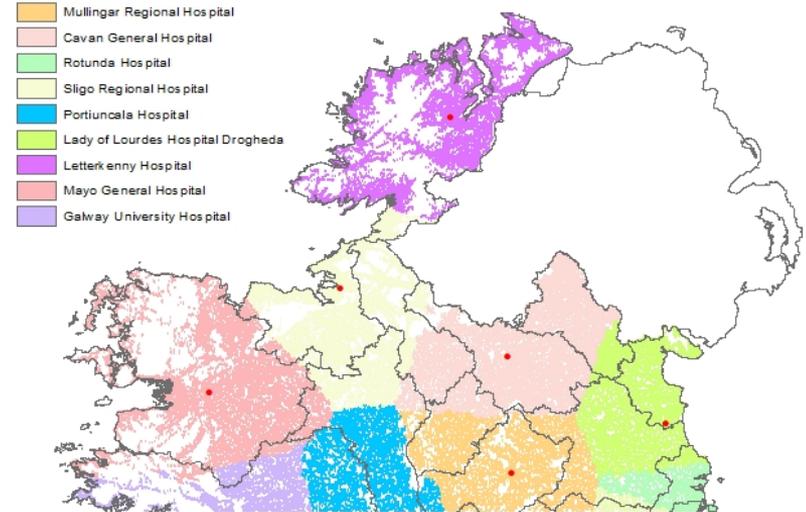
www.cso.ie

New insights – Proximity analysis

Shortest path distance to nearest Maternity Hospital



Catchment Areas of Maternity Hospitals



Current Developments

- IAEG-SDG and Co-Chair of WGGI Working Group on Geospatial Information
- DCCAIE setting up three SDG sub-groups & has requested CSO to chair them:
 - Data,
 - Communication and
 - Strategy for SDG champions (non-government agencies)
- IISDG virtual institute
 - Ireland's Institute for SDGs (IISDG)
 - Central portal for all SDGs
- EPA SDG Projects - Steering Groups
- **UNESCO** - IT Tralee – Sports/Fitness SDGs
- UN SDG Gender Publication
 - -- Based on previous CSO Publication '[Men & Women in Ireland](#)'





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Thank you

Any Questions?

