

Ireland's innovative approach to Monitoring the Sustainable Development Goals (SDGs) through geospatial visualisation

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Co-chair of the WHO/UN Technical Advisory Group on COVID-19 Mortality Assessment

Role of CSO

Focal Point for SDG Indicators

- Coordinate requests for SDG data from UN Agencies.
- Identify, management and presentations of the SDG indicator data.

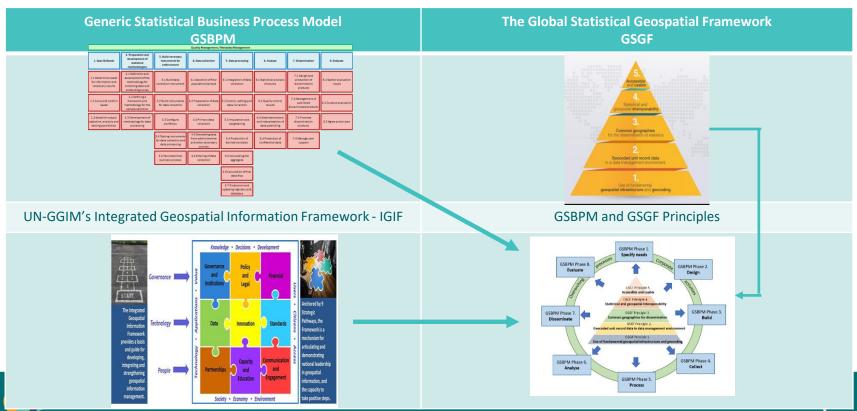
- Employ UNECE's GSBPM
- Developed a National SDG Indicators Roadmap
- Liaison with Govt. Departments and Agencies

Governance

| Weekly | CSO, Ordnance Survey Ireland (OSi), Dept of the Environment Climate & Communications (DECC) and Esri Ireland | SDG Data HubData uploadsStory MapsVNR | Government InitiativesSDG National ChampionsCivil SocietyAcademia |
|---------|--|--|--|
| Quartey | Data Governance Board – All Govt Departments and Agencies are members | SDG presentationsMetadataBusiness glossaries | Lifecycle managementData qualityGSBPM |
| Annual | SDG Civil Service Senior Official Group | Government reports on progress towards SDGs National Policy aspects of individual Goals | Topics for Story MapsVNR |

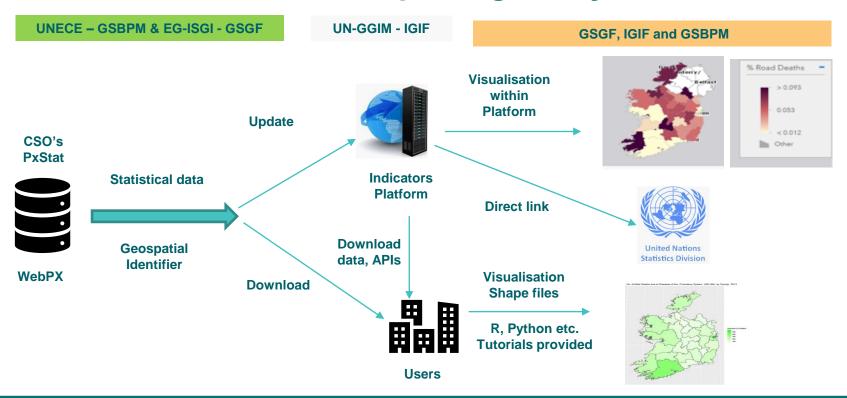


Foundations of Ireland's approach





Ireland's SDG reporting ecosystem





Ireland's SDG Data Hub

SDG Data Hub

http://irelandsdg.geohive.ie/

- Government Portal for all SDGs (UN, EU, National, OECD)
- Provide Data
- OSi manages technical issues uploads data
- DECC responsibility for content

Geospatial visualisation

Story maps as a new communication channel





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

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







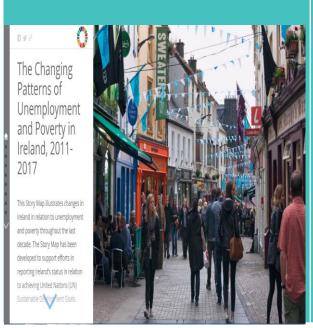


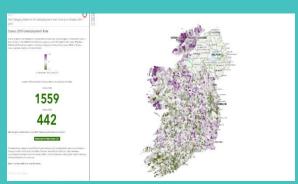


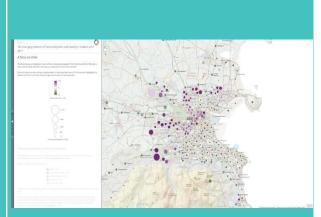




Story Maps









Network Analysis - Measuring Distance to Everyday Services - 2019

Census 2016 (Origin)

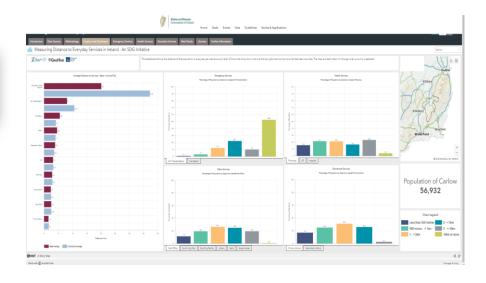
- 98% of dwellings linked to address database prior to census
- 2% digitised by census staff
- 2,070,256 dwellings on final census dataset

OSi's PRIME 2 (Road network)

- Geographic Data Files level 2 (GDF2) from PRIME 2 database
- Over 300,000 segments
- Each segment is seamless and continuous, no broken lines or edges
- Generate network dataset using ArcGIS











CSO

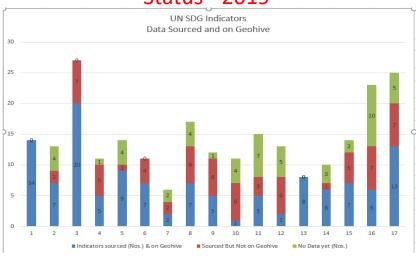
SDG - Hub



Dashboard - No. Indicators sourced

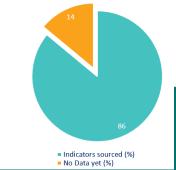
| Goal | Total No. of SDG Indicators | Indicators sourced (Nos.) | No Data yet (Nos.) |
|---------|-----------------------------------|---------------------------------|--------------------------|
| Goal 1 | 14 | 14 | 0 |
| Goal 2 | 13 | 10 | 3 |
| Goal 3 | 27 | 27 | 0 |
| Goal 4 | 11 | 10 | 1 |
| Goal 5 | 14 | 13 | 1 |
| Goal 6 | 11 | 11 | 0 |
| Goal 7 | 6 | 5 | 1 |
| Goal 8 | 17 | 16 | 1 |
| Goal 9 | 12 | 11 | 1 |
| Goal 10 | 11 | 8 | 3 |
| Goal 11 | 15 | 10 | 5 |
| Goal 12 | 13 | 11 | 2 |
| Goal 13 | 8 | 8 | 0 |
| Goal 14 | 10 | 8 | 2 |
| Goal 15 | 14 | 14 | 0 |
| Goal 16 | 23 | 14 | 9 |
| Goal 17 | 25 | 21 | 4 |
| Total | 244 | 211 | 33 |

Status - 2019



Goal Name

SDG Indicators Sourced



www.cso.ie

Publications - UN SDG Goals

https://www.cso.ie/en/statistics/unsustainabledevelopmentgoals/

> Goals 1 to 15 – Published > Goals 16 & 17 progressing



UN Sustainable Development Goals

Statistical Publications

- > UN SDG's Goal 1 No Poverty
- J UN SDG's Goal 2 Zero Hunger
- 5 UN SDG's Goal 3 Good Health and Well-Being
- 5 UN SDG's Goal 4 Quality Education
- JUN SDG's Goal 5 Gender Equality
- UN SDG's Goal 6 Clean Water and Sanitation
- > UN SDG's Goal 7 Affordable and Clean Energy
- 5 UN SDGs Goal 8 Decent Work and Economic Growth -2021
- > UN SDGs Goal 9 Industry Innovation and Infrastructure 2021
- 5 UN SDG's Goal 10 Reduced Inequalities 2021
- UN SDG's Goal 11 Sustainable Cities and Communities 2021
- > UN SDG's Goal 12 Responsible Consumption and Production 2021
- 5 UN SDG's Goal 13 Climate Action 2021
- UN SDG's Goal 14 Life Below Water 2021
- JUN SDG's Goal 15 Life on Land 2022

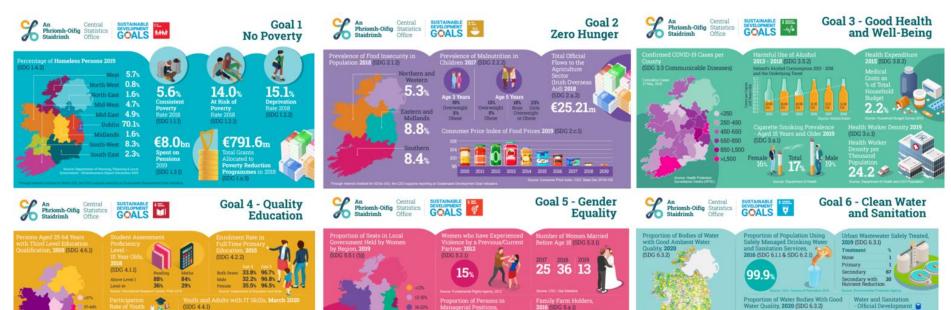
Related Content

- > A Profile of Ireland's Border Population 2016
- > Measuring Distance to Everyday Services in Ireland
- > Regional SDGs Ireland 2017
- > Mapping a Table of Data with Esri Shapefiles in R

Related Links

y Ireland's SDG Data Hub

SDG Publications - Goals 1 to 15 (Feb 2020 to Dec 2022



65.6%

88.3%



Groundwater

Assistance, 2019 (SDG 6.a.1)

€2.55m

1, of Total























Goal 9 - Industry, Innovation and Infrastructure



















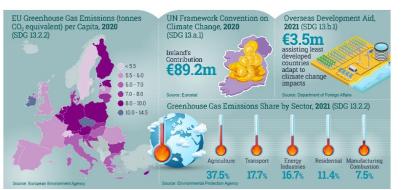
Goal 13 - Climate Action

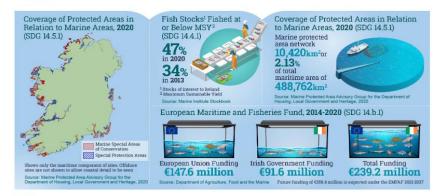
Phriomh-Oifig Statistics Staidrimh

Central Office

DEVELOPMENT **GOALS**

Goal 14 - Life Below Water









Goal 15 - Life on Land







