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.”

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SDG Platform

- [http://irelandsdg.geohive.ie/](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

No. of Indicators sourced = 200
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.

Ireland’s SDG portal

http://irelandsgd.geohive.ie/

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

Launched: 2nd 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.
Ireland’s SDG portal

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.

Story Maps

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

Census 2016 Unemployment Rate

A closer look at understanding unemployment in Ireland, using Story Maps methodology. The map shows the areas with a higher unemployment rate in Ireland, as well as the areas with the lowest unemployment rates. This helps in understanding the geographical distribution of unemployment across the country.

1559
2016

442
2011

The map highlights key areas with higher unemployment rates, which are primarily found in urban areas. This information is crucial for policymakers and community leaders to address the issue of unemployment effectively.

Story Maps
Ireland’s SDG portal

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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.

Governance, ctd.

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.
Census open data site

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

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:
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 40.1% and lowest in the Midland region at 26.4%.

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Regional SDGs Ireland 2017

Poverty & health

- At risk of poverty rate
- Consistent poverty rate
- Life expectancy
- Total period fertility rate
- Age-standardised discharge rates
- Standardised death rates
- Persons with a disability
- Caretakers
- Medical cards
- Perception of health status
- Prevalence of drinking alcohol
- Mortality rates due to road traffic accidents
- Suicide mortality rate
- Fair Deal scheme

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Regional SDGs Ireland 2017

2.1 At risk of poverty rate by region 2013-2017

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</table>

Source: CSO NIS

- Nationally, 10.7% of people in Ireland were at risk of poverty in 2017.
- One in four people (25.7%) living in the Border region were at risk of poverty in 2017.
- The at risk of poverty rates in Dublin (11.7%) and the Mid-West (12.3%) were lower than half the rate of the Border region.

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Thank you
Any Questions?