UN SDG Data Hub

- Ireland’s innovative approach to geospatial visualisation

5th National Forum - Education for Sustainable Development

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/](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

UN SDG Indicators
Data Sourced and on Geohive

No. of Indicators sourced (Nos.) & on Geohive
Sourced But Not on Geohive
No Data yet (Nos.)
17 Goals to Transform our World

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

www.cso.ie
Data hub – SDG Platform http://irelandsdg.geohive.ie/
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
Story Maps

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 (Q45 Electoral Division) using Census 2016 Principal Economic Status (PES) data. While the Q45 reports all regions in Ireland as having an unemployment rate below 9%, the PES data shows, in general, a higher unemployment level.

Number of Electoral Divisions with a 0-5% or Less Unemployment Rate

Census, 2016

1559

Census, 2011

442

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

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
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 visualization highlights the duale (north east, south west) divide in high and low levels of unemployment.

Unemployment by previous occupation

The performance maps represents population by social class compared to their occupation type at Central Census Ward (2016). Here we look at area level details.

Children to take screen out at 60%.

Socioeconomic class includes social classes 1-7 inclusive. This data includes population discomfort areas (39.5% of the total) and social classes 1-7 inclusive. This data includes population discomfort areas (39.5% of the total) and social classes 1-7 inclusive. This data includes population discomfort areas (39.5% of the total) and social classes 1-7 inclusive. This data includes population discomfort areas (39.5% of the total) and social classes 1-7 inclusive. This data includes population discomfort areas (39.5% of the total) and social classes 1-7 inclusive. This data includes population discomfort areas (39.5% of the total) and social classes 1-7 inclusive.
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

Licence Holders with Penalty Points
- Lowest: Donegal 12.9%
- Highest: Wexford 21.5%

Households with Broadband Access
- Lowest: Leitrim 58%
- Highest: Dublin 86%

Proportion of Local Government Seats held by Women
- Lowest: Donegal 8.1%
- Highest: Dún Laoghaire-Rathdown 42.5%

Household Waste collected in Kerbside Recycling
- Lowest: Westmeath 9.8%
- Highest: Galway City 40.3%

Households with highest use of Turf or Oil or Natural Gas Heating
- Highest Turf: Offaly 37.9%
- Highest Oil: Monaghan 76.3%
- Highest Natural Gas: Dún Laoghaire-Rathdown 74.2%

Number of Private Cars per 1000 aged 17 and over
- Lowest: Dublin 496
- Highest: Roscommon 645

CSO statistical publication, 25 February 2019, 11am
2.1 At risk of poverty rate by region 2013-2017

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<th>Region</th>
<th>2013</th>
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<th>2015</th>
<th>2016</th>
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<td>23.0</td>
<td>21.8</td>
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<td>25.7</td>
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<tr>
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<td>17.0</td>
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<td>18.9</td>
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<td>21.9</td>
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<tr>
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<tr>
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<td>16.7</td>
<td>16.3</td>
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</table>

Source: CSO SILC

- 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.
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
Automation of Geohive (SDG Website) with Statbank

- **CSO Statbank** -
  - SDG folder
  - upload directly to SDG Geohive (Website)

- **R – code to scrape data**

- **Upload CSO sources automatically** -
  - Data updated in SDG Folder as CSO publishes it
1) Proximity analysis – Nearest Distance to Services

- CSO in collaboration with OSi
- Publish date: end 2019
New insights – Proximity analysis

Shortest path distance to nearest Maternity Hospital

Catchment Areas of Maternity Hospitals

- Mullingar Regional Hospital
- Cavan General Hospital
- Robbie Hospital
- Sligo Regional Hospital
- Portumna Hospital
- Lady of Lourdes Hospital Drogheda
- Letterkenny Hospital
- Mayo General Hospital
- Galway University Hospital

www.cso.ie
Current Developments

• IAEG-SDG and Co-Chair of WGGI Working Group on Geospatial Information

• DCCAE 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’
Thank you

Any Questions?