Ireland’s UN SDG Data Hub
Lorraine McNerney, General Manager
Geospatial & Statistics collaboration in Ireland

• Ireland’s National Mapping Agency
• Established in 1824
• Operates under the Ordnance Survey Ireland Act, 2001

**Mandate:** “To provide a national mapping service in the State... creating and maintaining the definitive national mapping and related geographic records”

• Ireland's National Statistical Office
• Established 1949
• Operates under the Statistics Act, 1993

**Mandate:** "The collection, compilation, extraction and dissemination for statistical purposes of information relating to economic, social and general activities and conditions in the State"
Location as a common framework

**Geospatial Data**

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What Geospatial/OSi brings to the relationship (1)

Fundamental Data Themes
Authoritative reference for all geographic objects

Automated Product Generation
Maintained and consistent Multi-Resolution Data Store

Visualisation and Collaboration
National Geospatial Platform (GeoHive)
What Geospatial/OSi brings to the relationship (2)

GeoHive - National Data Infrastructure
What we agreed to collaborate on

OSi/CSO MOU, October 2016

**Aim:** To establish a closer working relationship to maximise CSO and OSi data and assets for our mutual stakeholders and in support of the Government’s Public Sector Reform agenda.

1. Establish joint **CSO/OSi technical working group** to develop data visualisation.
2. Develop technical solution to fulfil Ireland’s **reporting responsibilities** under the United Nations 2030 agenda for Sustainable Development.
3. Collaboration in developing **new data dissemination channels**.
4. Promote the **statistical potential of geospatial** data.
Initiative 1 - linked open data

Created 20+ common national datasets as ‘5 Star’ Linked Open Data
Statistical and boundary data fused together to provide over 500 layers of geo-statistical information.

http://census2016.geohive.ie/
UNSD/Esri Research Project (commenced May 2017)

• Project goal - new approach for monitoring UN SDGs using GIS

• Participation of 7 UN Members - Ireland, Mexico, Senegal, Philippines, Qatar, South Africa and Australia.

• OSi and CSO - participating in partnership with Esri Ireland.
Developed & launched Ireland’s UN SDG Data Hub

http://irelandsdg.geohive.ie/
Ireland’s UN SDGs Data Hub – Explore Data

1. No Poverty
2. Zero Hunger
3. Good Health & Wellbeing
4. Quality Education
5. Gender Equality
6. Clean Water and Sanitation
7. Affordable & Clean Energy
8. Decent Work & Economic Growth
9. Industry Innovation & 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 & Strong Institutions
17. Partnerships for the Goals

Boundary Data
5. Gender Equality

Ireland’s UN SDGs Data Hub – Data Access

SDG 5.5.1, NUTSIII, Proportion of Seats Held by Women in Local Government, 2014, Local Government Elections & OSI

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9 Industry Innovation and Infrastructure

9. Industry Innovation & Infrastructure

Ireland’s UN SDGs Data Hub – APIs and Documentation
StoryMaps – providing a narrative on Ireland’s SDGs

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

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.
Ireland's Life on Land

This Story Map explores Ireland’s Life on Land by taking a look at protected areas across Ireland, habitat types and national initiatives to protect and enhance biodiversity. This story map has been developed to support efforts of reporting Ireland’s status in relation to achieving United Nations (UN) Sustainable Development Goals.

UN countries have adopted a set of 17 goals to end poverty, protect the planet and ensure prosperity for all as part of a new sustainable development agenda. Each goal has specific targets to help achieve the goals set out in the agenda by 2030.

The indicators illustrated below provide an insight into Ireland’s progress towards sustainable development Goal numbers 6 and 15.
Ireland’s Life on Land

Ireland's Protected Areas

The map represents SDG 15.1.2 Proportion of important sites for terrestrial and freshwater biodiversity that are covered by protected areas at Electoral Division level, 2017.

At this geography a high proportion of lands covered by protected areas are apparent in the Midlands and in the East associated with major ecological areas such as the River Shannon and the Wicklow Mountains.
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.

UN countries have adopted a set of 17 goals to end poverty, protect the planet and ensure prosperity for all as part of a new sustainable development agenda. Each goal has specific targets to help achieve the goals set out in the agenda by 2030.
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.
• Established an OSi/CSO/Esri Ireland **Data Governance Team**, which meets weekly

• Established a national UN SDG Indicators **Data Governance Board** comprising stakeholders from Government and Agencies, which meets quarterly to agree:

  ✓ Metadata
  ✓ Business glossaries
  ✓ Lifecycle management
  ✓ Data quality
• Established UN SDG Civil Service **Senior Officials Group**, chaired by Department of Communication, Climate Action & Environment (DCCAE), which both CSO and OSi are invited members with responsibility for:

  ✓ Developing official reports on Ireland’s progress towards the SDG Goals
  ✓ Policy for the individual goals
  ✓ Signing off on StoryMap content including policy narrative
Progress to-date in Ireland

- Formally launched **Ireland’s UN SDG Data Hub** where interested parties can openly access, visualise and download data related APIs

- Developed **62 indicators (mostly Tier 1) and 112 datasets** at various geographies

- Established a **data governance teams** with key stakeholders

StoryMap for Ireland’s official reporting on progress towards meeting national SDG targets delivered at the UN High Level Political Forum (HLPF) in July.
Key take-aways...

• Collaboration proven to be a great success, providing clear win-win for us and our stakeholders (*we are greater than the sum of our parts*)

• The value of having a clear understanding on organisational roles and responsibilities regarding national geospatial and statistical data (*playing to our strengths & removing duplication*)

• It’s amazing what can be done with a *simple MOU and good will*

• The *value in visualising* statistical data within a geospatial context

• The value of re-purposing existing systems and architecture

• As a result of this successful collaboration CSO and OSi are partnering in taking the leading role in supporting government in the *development of a National Data Infrastructure* (NDI).
Have that cup of coffee!
UN-GGIM, Side Event on the Integration of Statistical and Geospatial Information
31st July 2018, UN HQ New York

Thank You