Statistical and geospatial collaboration in Ireland - the next steps

Dermot Corcoran

EFGS conference 16 October 2018
http://irelandsdg.geohive.ie/
Ireland's UNSDG Data Hub

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

Renewable Energy Statistics for Ireland

1. Applications
2. Portal
3. Infrastructure
4. External Systems and Services

Welcome to the Open SDG Data Hub

www.cso.ie
• Setting up a process of data management and governance from statistical production to publication on Irish SDG Data Hub

   Categorising SDG indicator data sources into three categories; CSO generated, CSO/third party and Third party
   Developing a process map for each category

• Managing the data on Irish SDG website under the DAMA framework
SDG Data Governance

Test Case

Indicator 11.3.1
• Ratio of Land consumption rate to population growth rate

Created from OSi and CSO data

www.cso.ie
SDG Data Governance

• Select all settlements above 5,000 population
   Examine intercensal growth rates between 2011 and 2016
   Examine boundary extensions
   Examine growth in total surface area of built-up areas from OSi PRIME 2 database
   Produce ratio values

• Process map from production (GSBPM) through to maintenance on SDG Data Hub (DAMA)
National land use/land cover dataset
• Driven by OSi and Irish EPA
• Underpinned by PRIME 2 database
• Issues around classifications, data sharing and intended frequency of work
• List of SDG indicators and metadata sent where LULC could be a data source
Global Statistical Geospatial Framework (GSGF) - Implementation in Ireland

- New geography group established inside CSO
  - Create corporate spatial data warehouse
  - Discuss technology and infrastructure improvements
  - Advise on spatial analysis and data visualisation techniques
  - Suggest quality checks and prevent duplication of work
  - Examine where geospatial data can benefit the statistical production process

GSGF Europe implementation guide useful for next phase of CSO - OSi collaboration
Accessibility research

• Use routing software and OSi road network for proximity analysis
   Measure accessibility to services and infrastructure
   Add value to census commuting data
   Estimate commuting patterns where place of residence linked to place of work on administrative files

• Investigating data sources for speed limit allocation
The challenge is to keep the momentum going...

- Sustaining the SDG Data Hub
- Developing pathfinder projects (e.g., accessibility)
- Supporting policy (e.g., National Data Infrastructure, Linked open data)
- Using the GSGF principles for development within CSO, Irish Statistical System, and Irish public service
Thank you

Dermot.Corcoran@cso.ie