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# UN-GGIM National Update

*including OSi's Role as the National Mapping Agency*

*Tony Murphy, OSi*

*Geography & the SDGs Conference, 22nd November 2018*

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# Presentation Overview

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1. National update on behalf of the Secretariat to the United Nations Global Geospatial Information Management (UN-GGIM) Committee of Experts.

2. How OSi is leading national geospatial data strategy.

3. OSi and CSO collaboration to date.

4. What's next…

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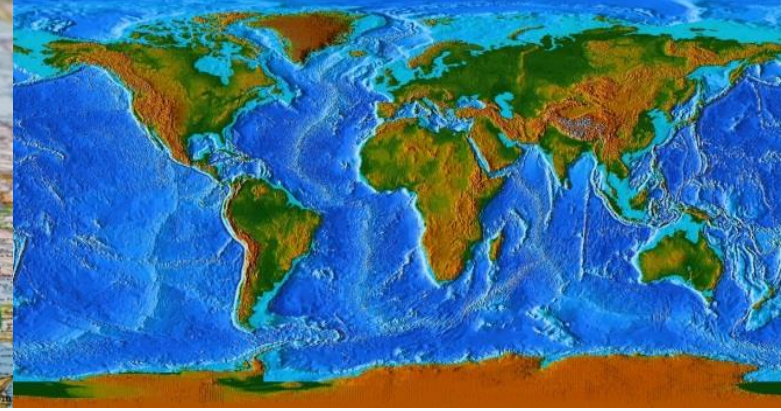


# United Nations
# Global Geospatial Information Management
# (UN-GGIM)

# “Everything happens somewhere…”

Nancy Tosta, June 2001

**Everything that happens…happens somewhere.**

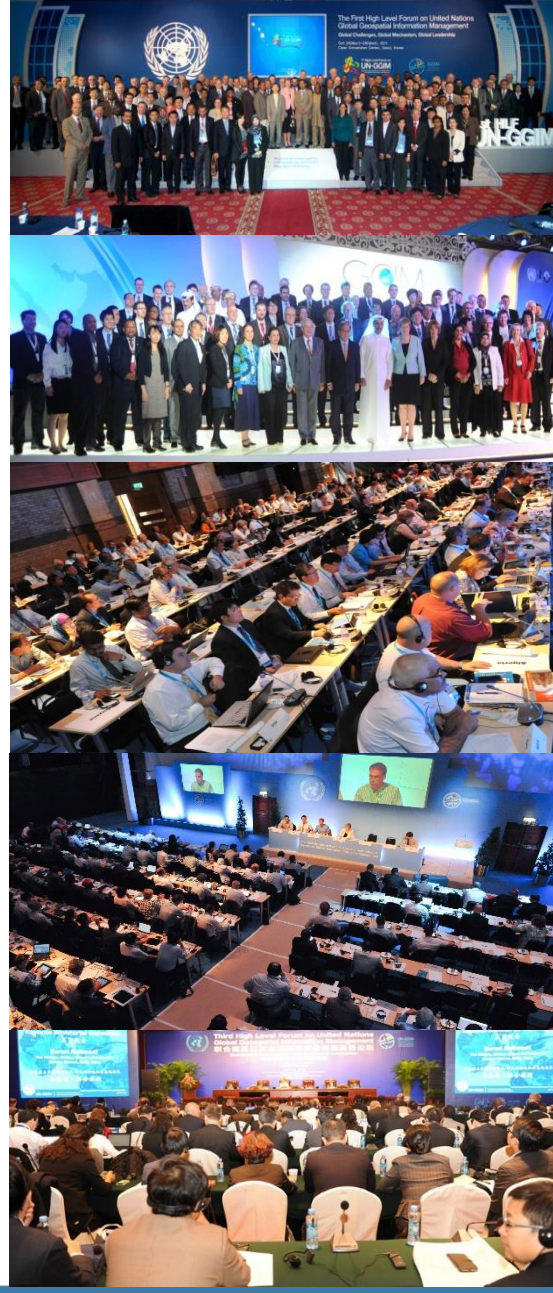
**We are now able to locate, view, relate, record, collect, measure, analyze, model and monitor what happens where, when, why, and how.**

**We can do this more today than ever before….which is far less than what we will do tomorrow.**

# UN-GGIM: Aims and Objectives

**Established in 2011, reporting to Economic and Social Council (ECOSOC) to:**

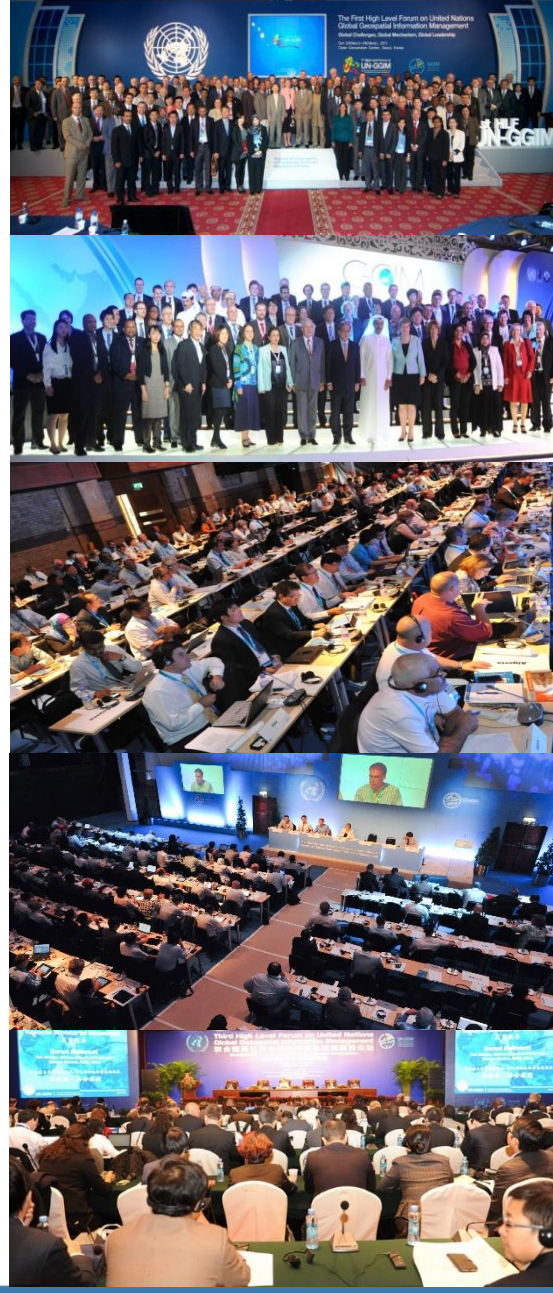
- Discuss, enhance and coordinate Global Geospatial Information Management activities by involving Member States at the highest level.
- Work with Governments to make joint decisions and set directions on the use of geospatial information within national and global policy frameworks.
- Address global issues and contribute collective knowledge as a community with shared interests and concerns.
- Develop effective strategies to build geospatial capacity in developing countries.
- To make accurate, reliable and authoritative geospatial information readily available to support national, regional and global development.



http://ggim.un.org/docs/ECOSOC/E-2011-L53-English.pdf

# UN-GGIM: Why a global mechanism?

- Significant gap in the recognition and management of geospatial information globally.
- Lack of a global consultative and decision-making mechanism among Member States in:
  - setting global norms on geospatial information;
  - developing common tools and methods; and
  - bringing geospatial information to bear on global policy issues.
- This gap is increasingly being filled by the private sector, reducing the role and influence of Governments.
- Every country must have trusted, maintained, and definitive mapping data.
- Governments, not the private sector, have the mandate and accountability to maintain and deliver the national geospatial information base and related policy.



Frameworks, guides, norms, standards and methodological development

Normative strengthening, capacity building and implementation of GGIM in support of the 2030 Agenda

# UN-GGIM: Strengthening the Global Data Ecosystem

The activities and efforts that contribute to the unique local-to-global value of UN-GGIM for Member States

- Strengthening global geospatial information management
- Contribution of regional committees, thematic groups and networks
- Legal and policy frameworks and issues related to authoritative data
- Trends in national institutional arrangements
- Adoption of standards and technical specifications
- Strengthening collaboration with UNGEGN
- United Nations activities in geospatial information management
- Secretariat programme management

- Global geodetic reference frame
- Global fundamental geospatial data themes
- Integration of geospatial, statistical and other information
- Geospatial information and services for disasters
- Land administration and management
- Geospatial information for sustainable development
- National geospatial data and information systems
- Marine geospatial information

# 2030 Agenda: Goals, targets, indicators… and data!!

"By 2020, enhance capacity-building support to developing countries, including for LDCs and SIDS, to increase significantly the availability of high-quality, timely and reliable data disaggregated by income, gender, age, race, ethnicity, migratory status, disability, geographic location and other characteristics…"

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# OSi's role in developing Ireland's geospatial data strategy

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# National authoritative data and platforms

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- Over 50 million unique geographic identifiers (UGI)
- Maintained object history and lifecycles
- A data model that can hold and describe other data
- GeoHive as a collaborative platform to support UN initiatives

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# International Leadership

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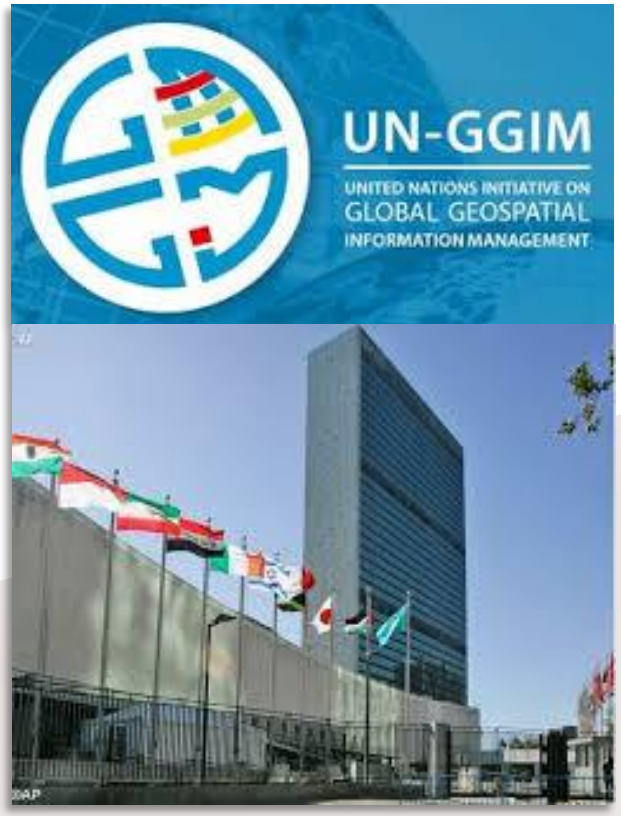
OSi plays a national leadership role and represents Ireland at UN-GGIM, including on the delivery of Ireland's SDG commitments

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# National Leadership

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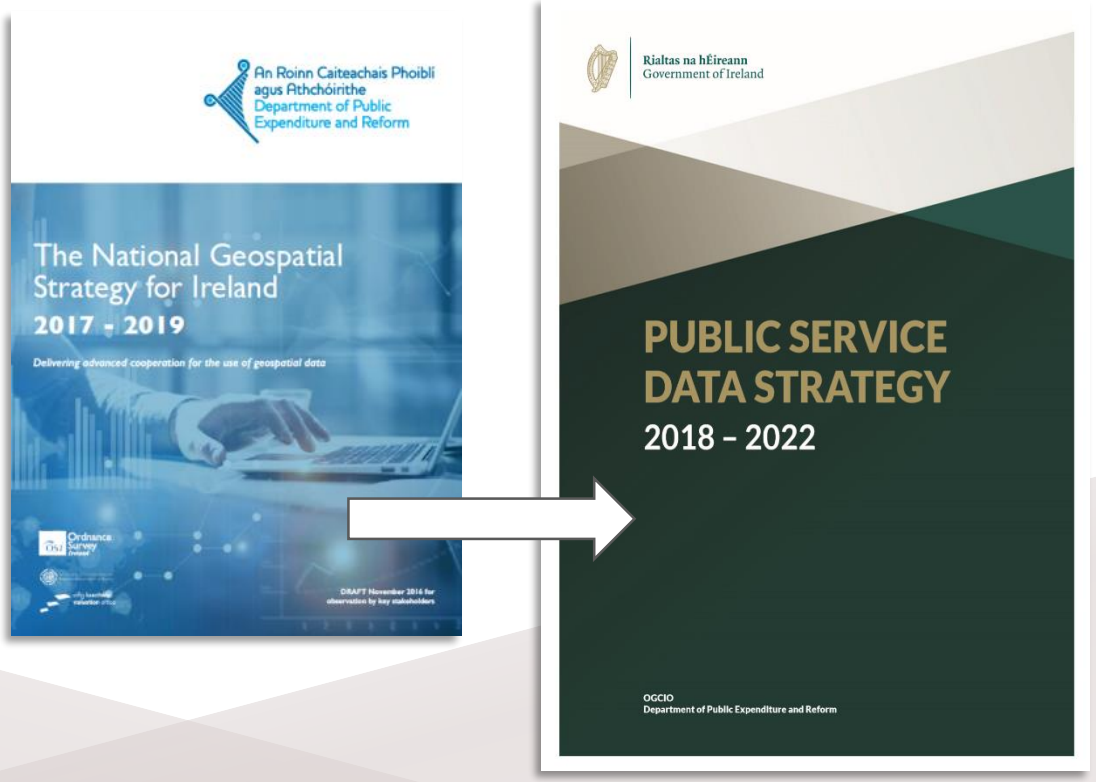
National geospatial data strategy will be integrated into the national Public Service Data Strategy (due for publication in Q4 2018)

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# Collaboration with the CSO

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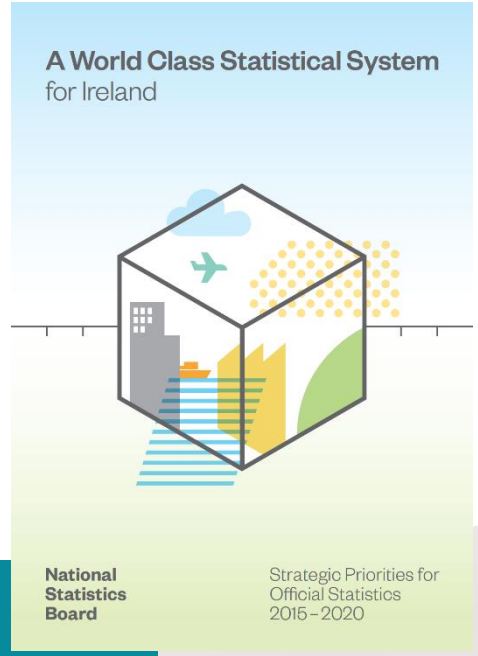
01 OSi Statement of Strategy 2016-2018 with specific actions relating to continued UN leadership and CSO collaboration

02 National Statistics Board Strategic Priorities for Official Statistics 2015 – 2020




## OSi Strategic Action

OSi will see to work in partnership with the Central Statistics Office in the development of national data infrastructure, ensuring integration and avoiding duplication in national geospatial and non-geospatial data initiatives

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# What we've achieved

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# Memorandum Of Understanding (2016)

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**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 as part of the wider development of the National Data Infrastructure (NDI).

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# Jointly hosted EFGS in 2017

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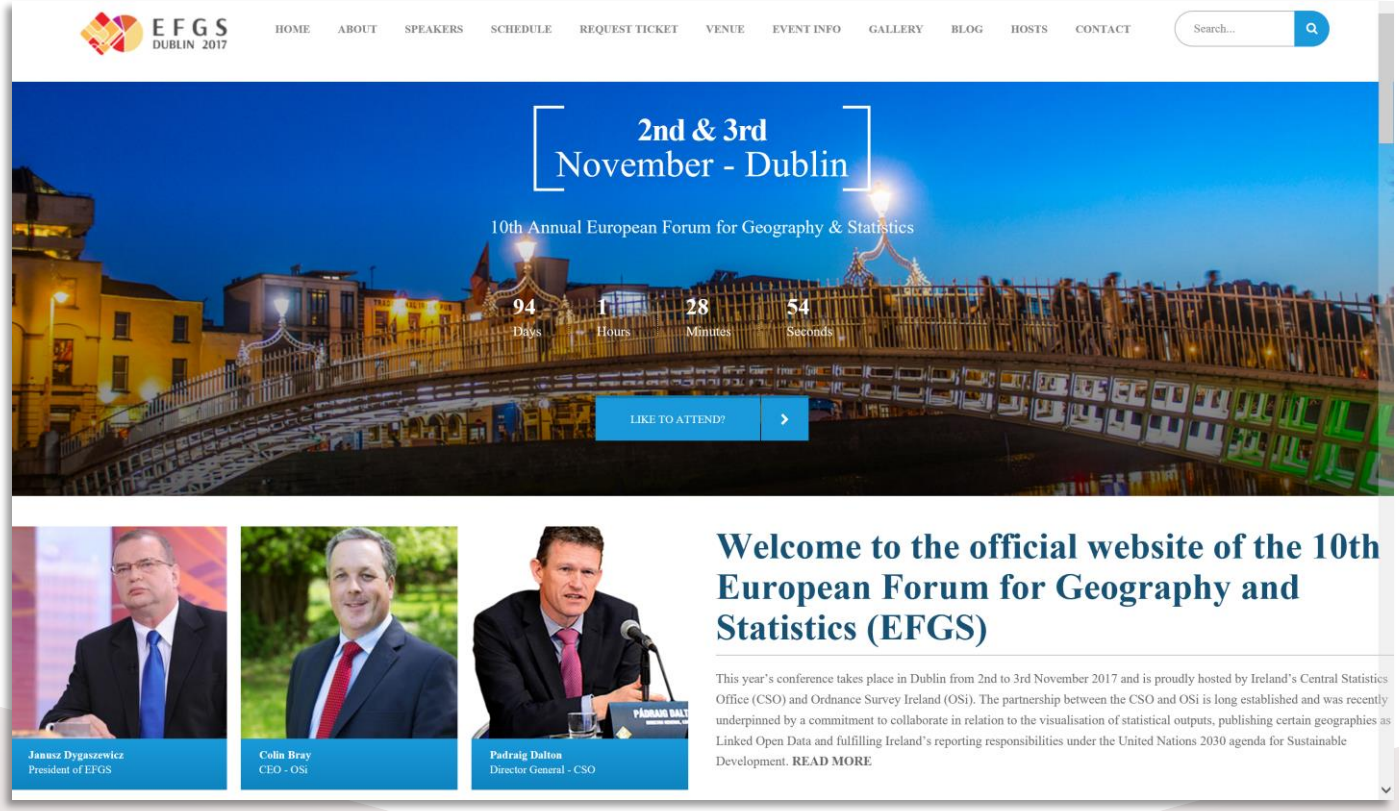


- **Over 230 delegates**
- **From 31 countries**
- **5 continents**

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# 5* Linked Open Data

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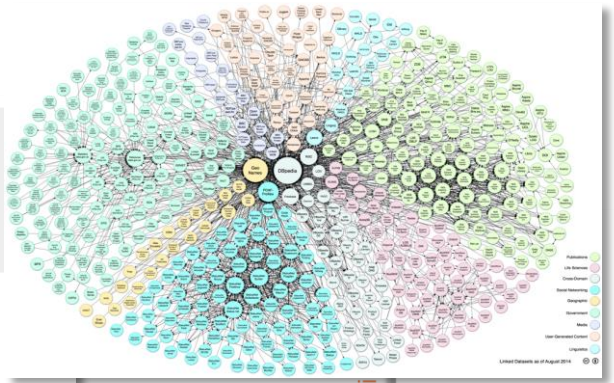
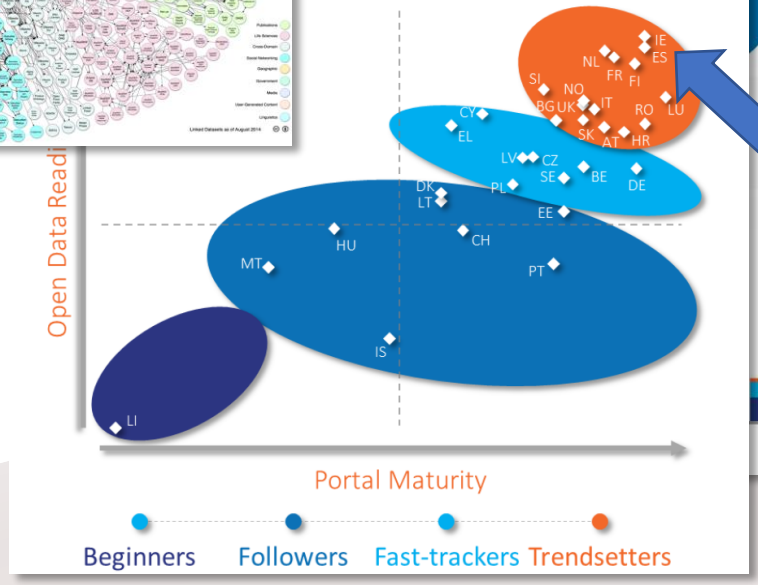
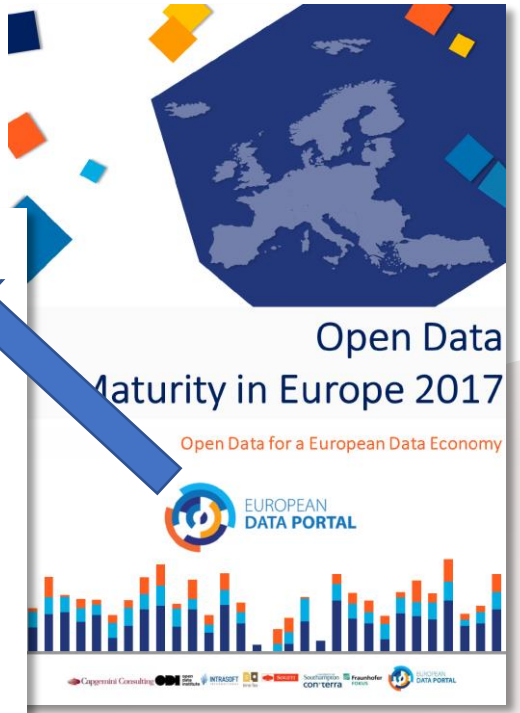
Created 20+ common national datasets as Linked Open Data



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# Geospatial hub for Census 2016 results

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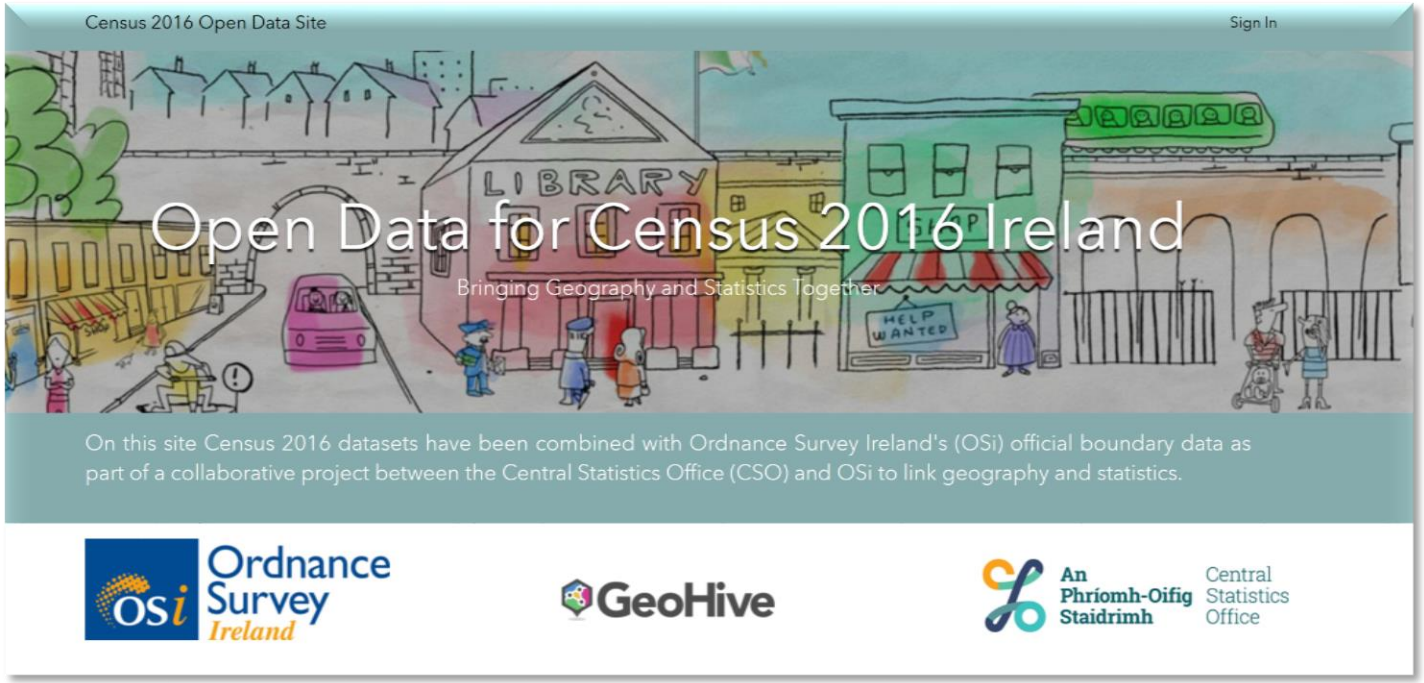


http://census2016.geohive.ie/

census 2016 RESULTS

Statistical and boundary data fused together to provide over 500 layers of geo-statistical information.

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# UN SDG Data Hub

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Statistics Division

esri

http://irelandsdg.geohive.ie/

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# What's next…

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# Continue to support NDI

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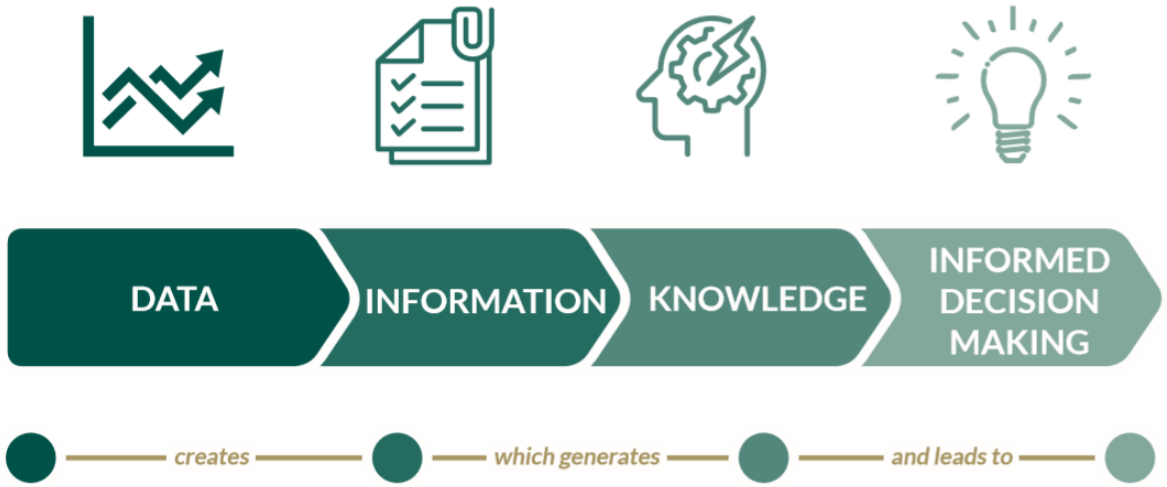
OSi are playing a leadership role by representing geospatial on the NDI Working Groups:

1. Data As An Enabler Working Group.

2. NDI Champion Group.

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# Develop national geostatistical information

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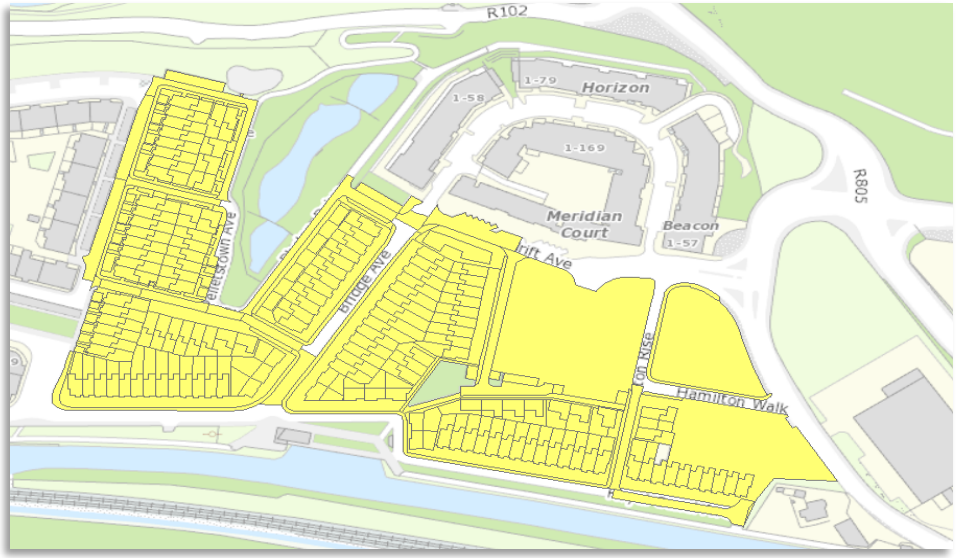
New indicators and stats created from OSi and CSO sources




*Ratio of land consumption rate to population growth rate*

*National land use and land cover*

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# International – remain active in UN-GGIM and UN Statistics Division (UN-SD)

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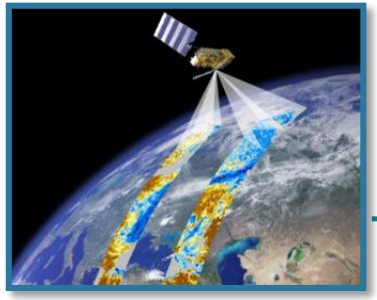
Geospatial

Statistics

Integration of communities

Earth Observations



Thematic Data

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# Summary

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# What we've learned…

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There's proven value in geostatistical data visualisation

Focus on our strengths and remove duplication

A simple MOU works

We're greater than the sum of our parts

Data and systems re-use is key

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# Thank you

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