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UN-GGIM National Update

including OSi's Role as the National Mapping Agency

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...



United Nations Global Geospatial Information Management (UN-GGIM)



UN-GGIM

United Nations Secretariat
Global Geospatial Information Management

Positioning geospatial information to address global challenges

ggim.un.org

“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.



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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.



UN-GGIM

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

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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.



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ggim.un.org



Frameworks, guides,
norms, standards and
methodological
development

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



-  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

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

-  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

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

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

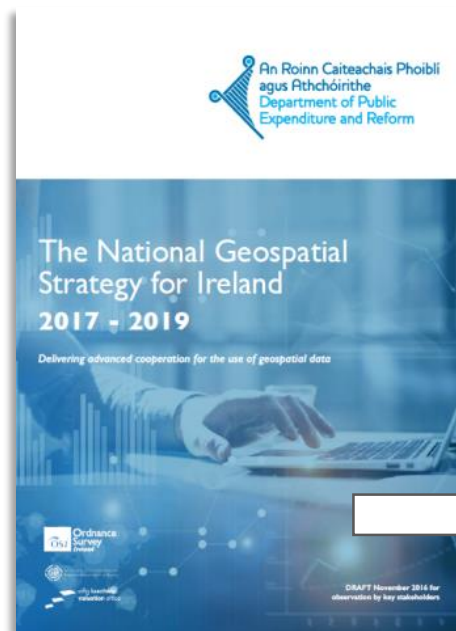


National Leadership



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



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

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).

Jointly hosted EFGS in 2017



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The screenshot shows the official website for the 10th Annual European Forum for Geography & Statistics (EFGS) in Dublin 2017. The header includes navigation links: HOME, ABOUT, SPEAKERS, SCHEDULE, REQUEST TICKET, VENUE, EVENT INFO, GALLERY, BLOG, HOSTS, CONTACT, and a search bar. The main banner features a night view of a bridge in Dublin with the text '2nd & 3rd November - Dublin' and '10th Annual European Forum for Geography & Statistics'. A countdown timer shows 94 Days, 1 Hour, 28 Minutes, and 54 Seconds. A 'LIKE TO ATTEND?' button is present. Below the banner, three speakers are featured: Janusz Dygasiewicz (President of EFGS), Colin Bray (CEO - OSi), and Pádraig Dalton (Director General - CSO). A welcome message states: 'Welcome to the official website of the 10th European Forum for Geography and Statistics (EFGS)'. A paragraph below mentions the conference dates (2nd to 3rd November 2017) and its hosts (Ireland's Central Statistics Office (CSO) and Ordnance Survey Ireland (OSi)).



Over 230 delegates



From 31 countries



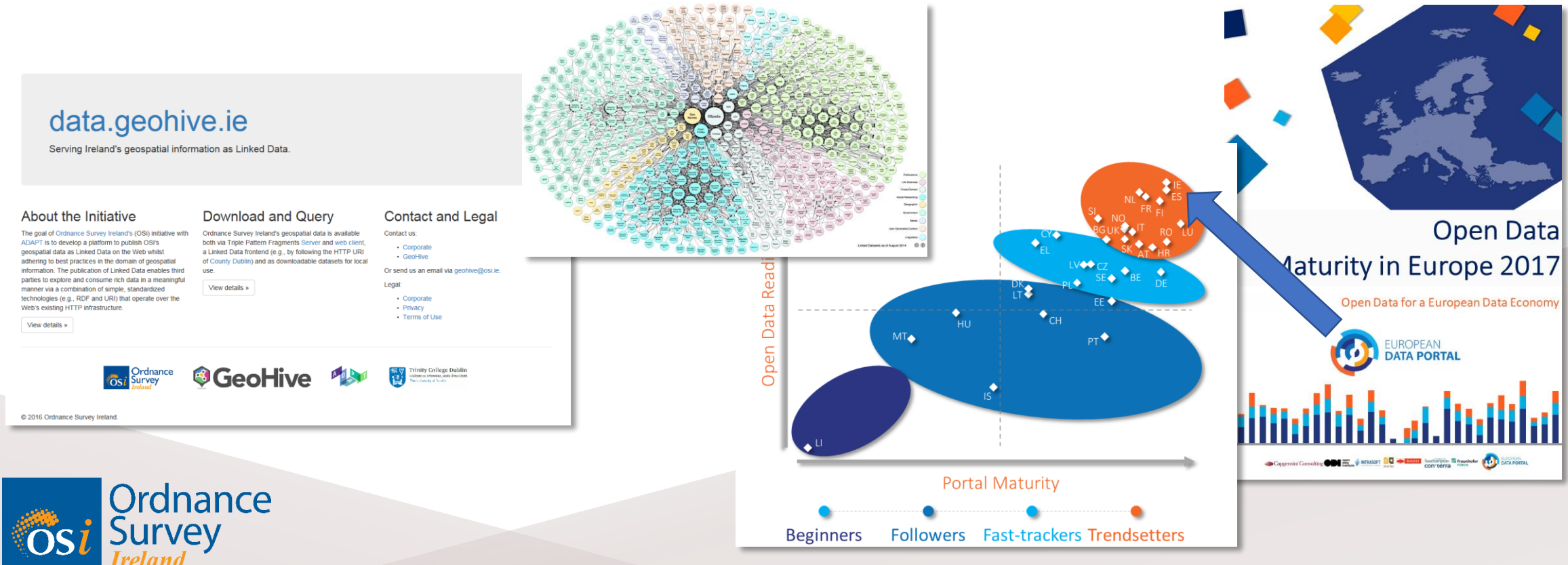
5 continents

5* Linked Open Data



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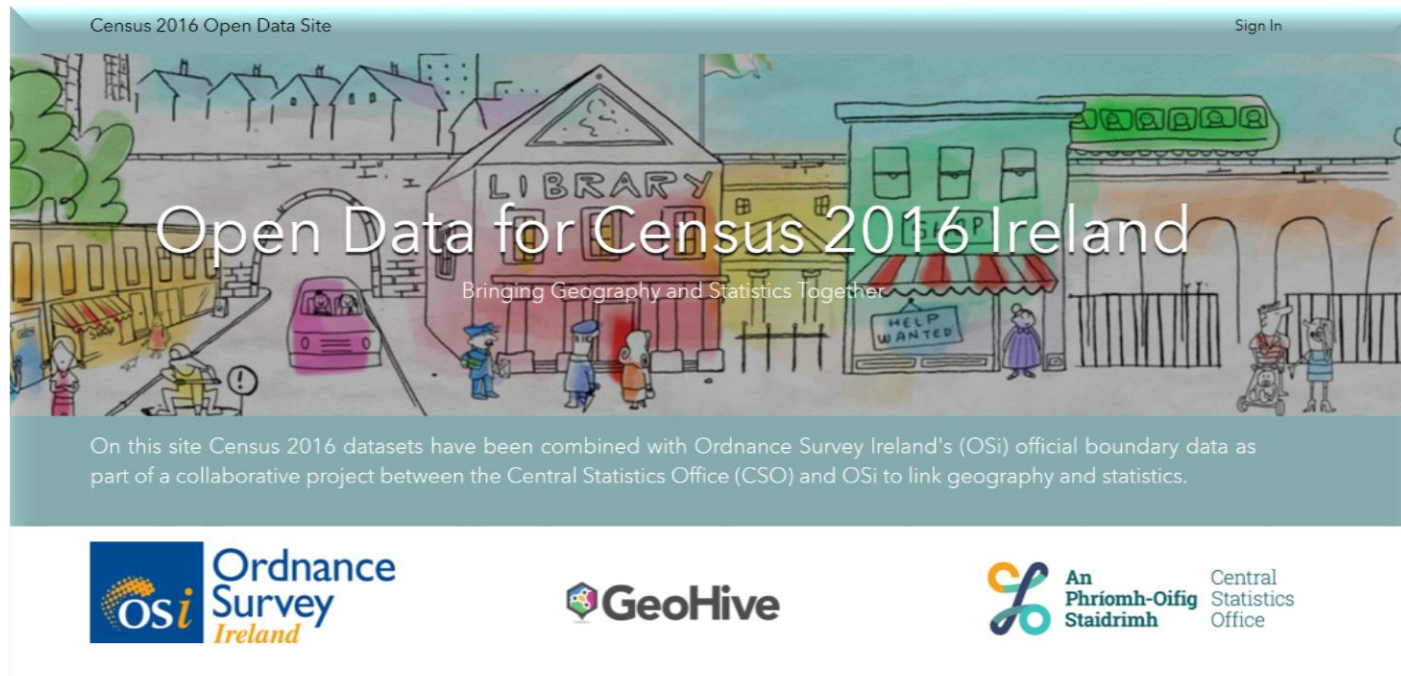
Created 20+ common national datasets as Linked Open Data



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.

UN SDG Data Hub



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Governments, businesses and civil society together with the United Nations (UN) have started to mobilise efforts to achieve the Sustainable Development Agenda by 2030. Universal, inclusive and indivisible, the Agenda calls for action by all countries to improve the lives of people everywhere.

Ireland's Sustainable Development Goals National Implementation Plan 2018-2020 provides a whole-of-government approach to implement the 17 Sustainable Development Goals (SDGs).

This is Ireland's public platform for exploring, downloading and combining publicly available data relating to the UN and the European Union (EU) Sustainable Development Goals. Ireland's progress against each Goal is measured using a set of globally and EU agreed Indicators and here you can search for, discover and visualise the data we use to create those Indicators.



<http://irelandsdg.geohive.ie/>



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What's next...

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.

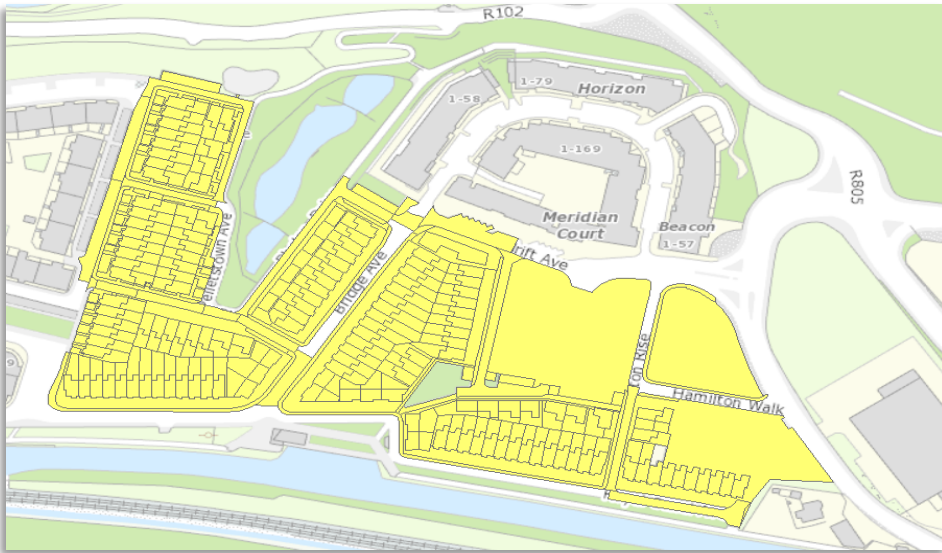


Develop national geostatistical information



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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

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



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Summary

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

An aerial photograph of a city street, likely in Dublin, showing a mix of residential and commercial buildings, a railway line, and a river. A diagonal white line runs from the top right corner towards the bottom left, separating the aerial image from the white background on the right.

Thank you