



Colin Bray, OSi CEO

Welcome *EGG Q-KEN*

eurogeographics

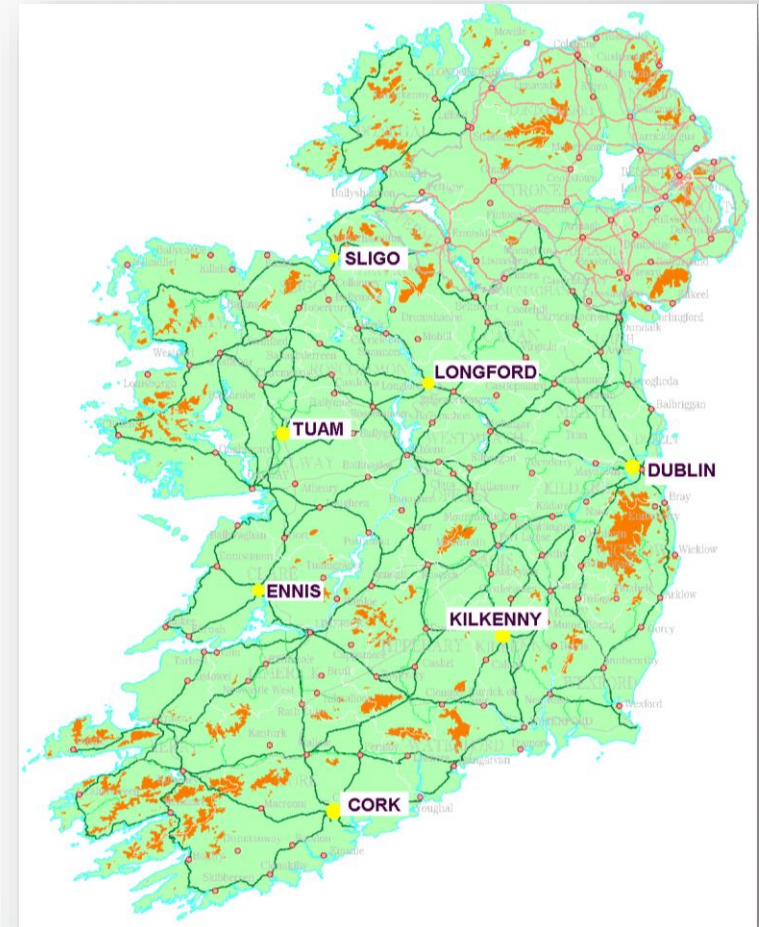


**Ordnance
Survey**
Ireland

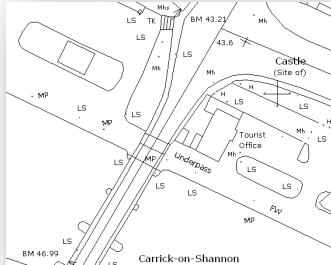


Irish National Mapping Agency

- Established in 1824
- State Body since 2002 (OSi Act 2001)
- Under the Dept. of Housing, Planning and Local Government.
- 230 staff (30% reduction since 2008).
- HQ Phoenix Park, 6 regional offices.
- Government policy is to merge OSi with the Property Registration Authority (Land registry) and the Valuation Office.



Large Scale Data



1:1,000, 1:2,500 and
1:5,000 PLACE Maps

Medium Scale Data



1:10-15,000 Digi-City
1:10,000 Digi-Town
1:50,000 Discovery

Small Scale Data



1:210,000 Holiday
1:450,000 Ireland
1:600,000 Ireland

National Imagery



1m per pixel ortho-
photography

Height Data



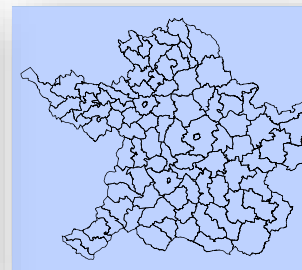
Digital Terrain Model
Digital Surface Model

City & Town Imagery



25cm per pixel ortho-
photography

Boundary Data



County
ED
Townlands
Small Area

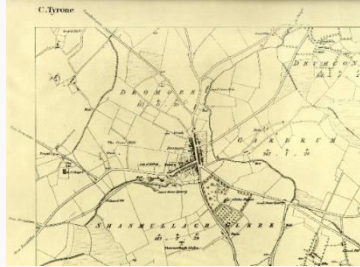
Web Services



Online Shop
Public Viewer
Environmental Reports
Web Services



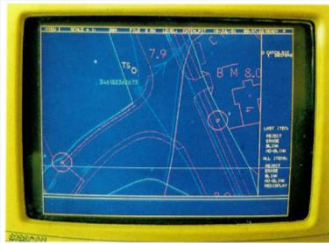
Lough Foyle Base Line (1827-28)



1st Edition 6" (1824-1846)



Analogue Stereo Plotting (1965)



Computerisation (mid-1970's)



Digital Photogrammetry (1990's)



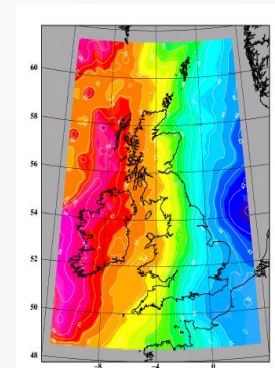
Digital Sensor (2005)

Reference Ellipsoid	GRS80
Central Meridian	8° West
Scale on CM	0.999 820
True Origin ϕ λ	53° 30' North 8° West
False Origin	600 000 West 750 000 South

ITM Projection (2002)



GPS Network (1990's)



Geoid Model (2002)



Flying



Field
(GPS/Theodolite)



Photogrammetry

Create



Flying



Field
(GPS/Theodolite)



Photogrammetry

Create





Flying



Field
(GPS/Theodolite)



Photogrammetry

Create





Flying

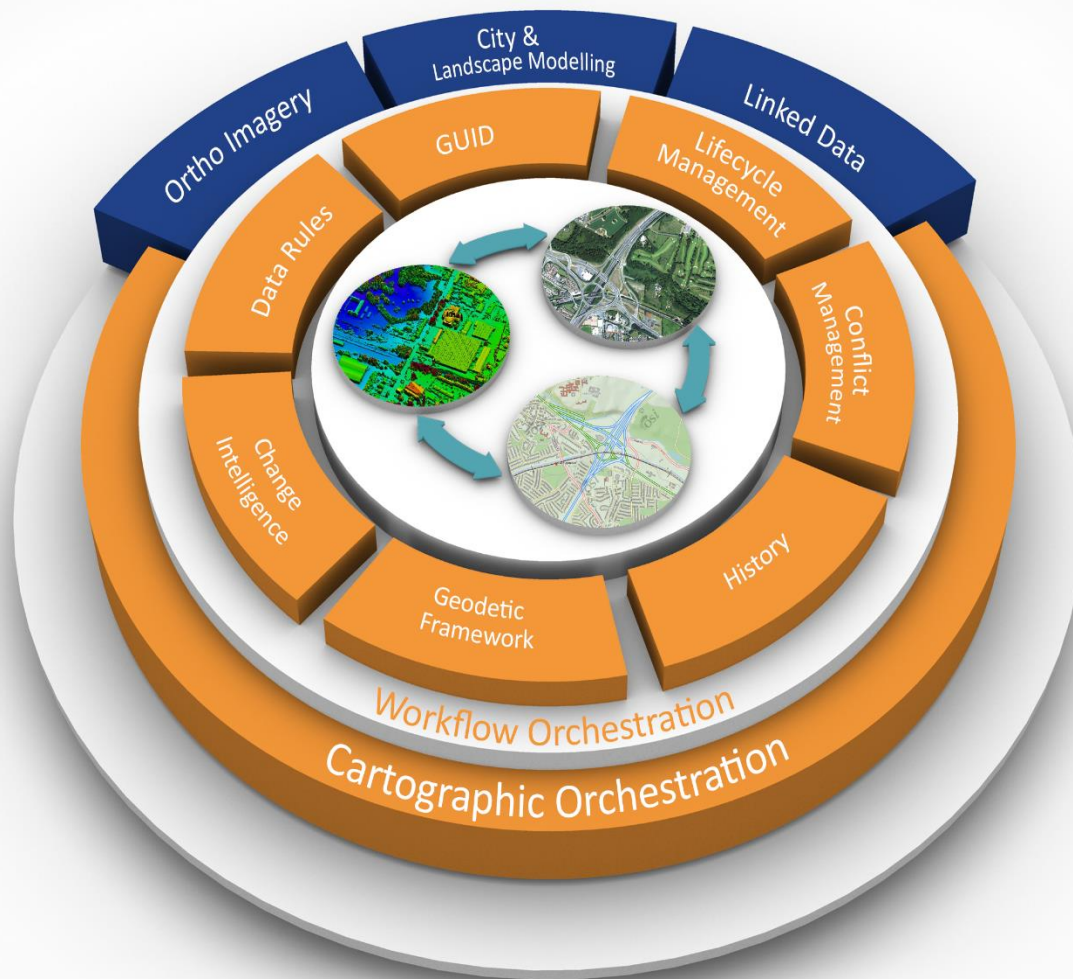


Field
(GPS/Theodolite)



Photogrammetry

Create





Flying

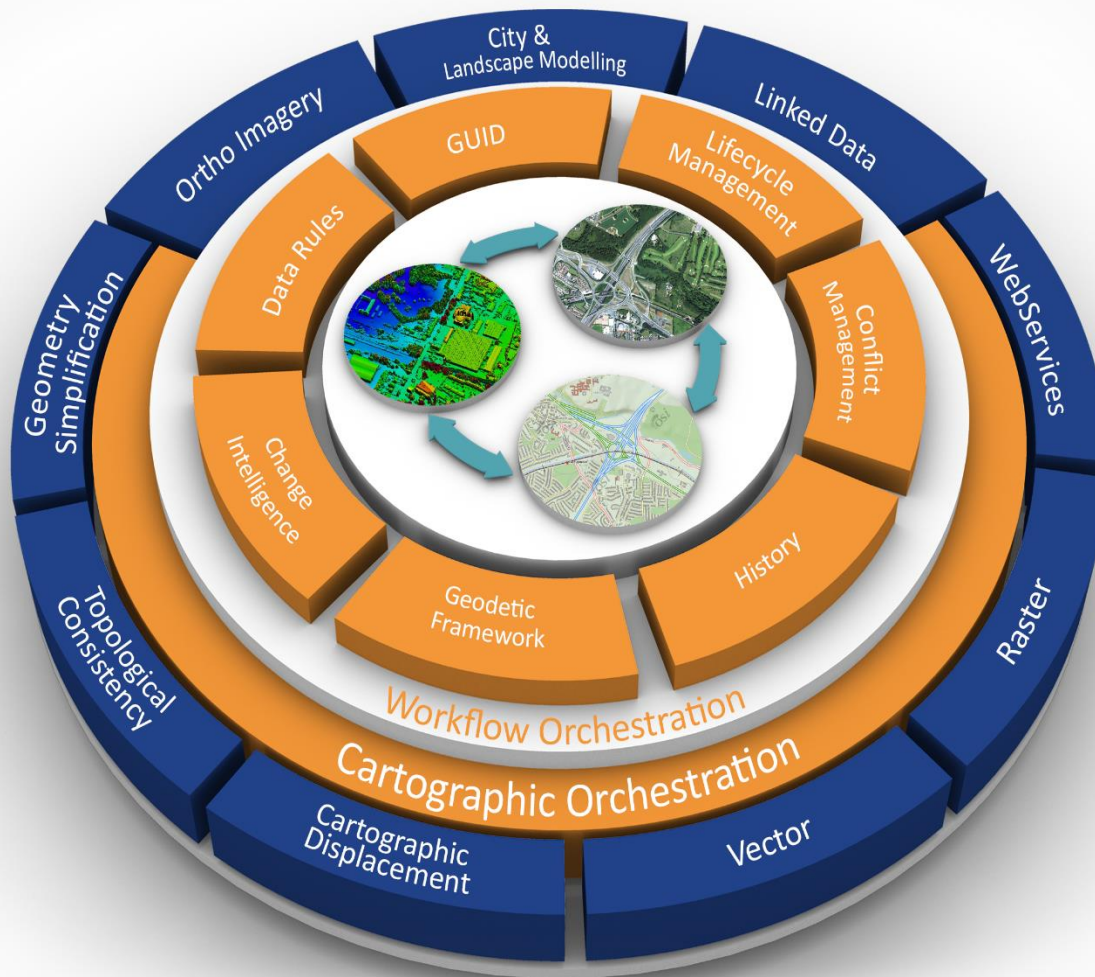


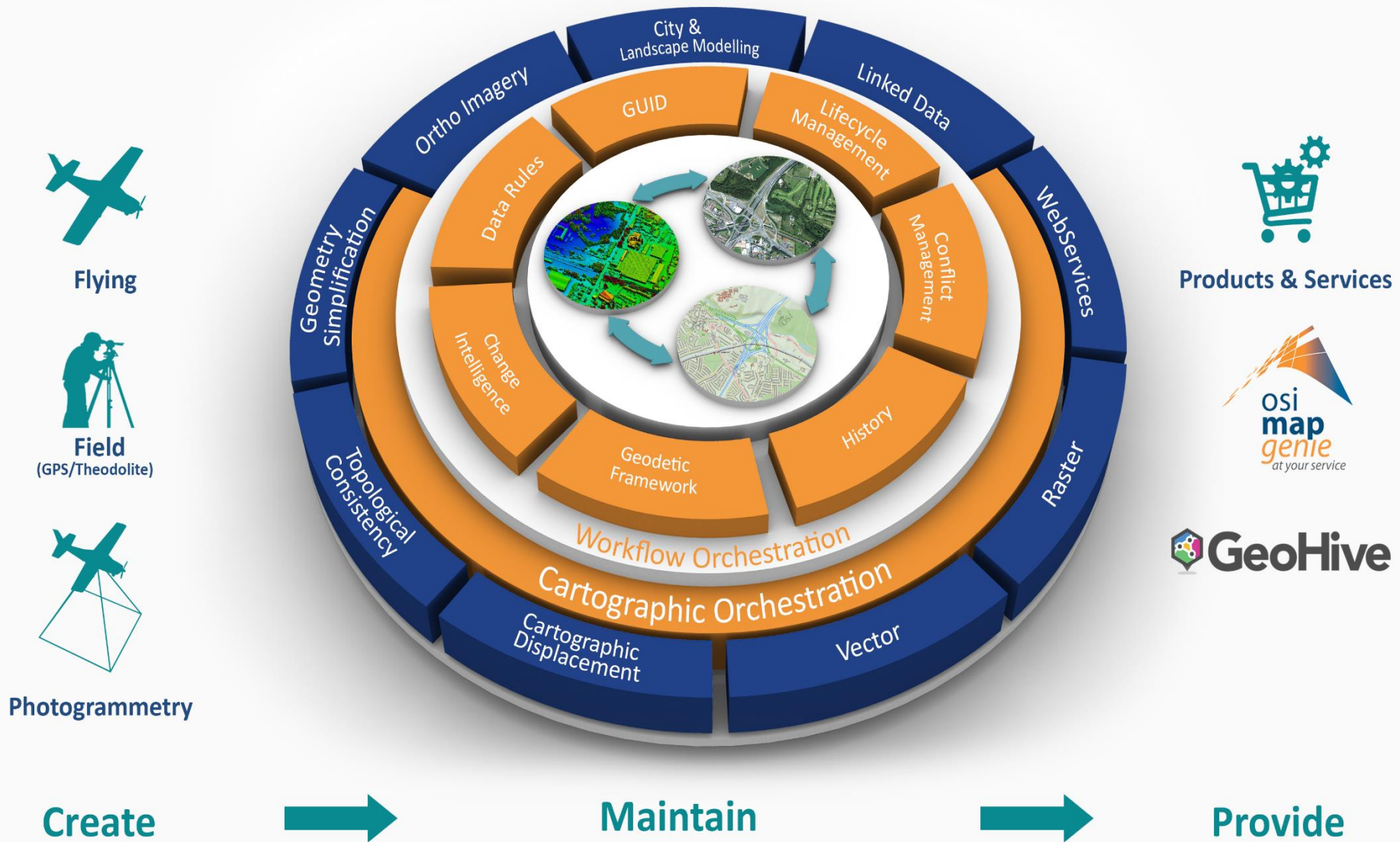
Field
(GPS/Theodolite)



Photogrammetry

Create





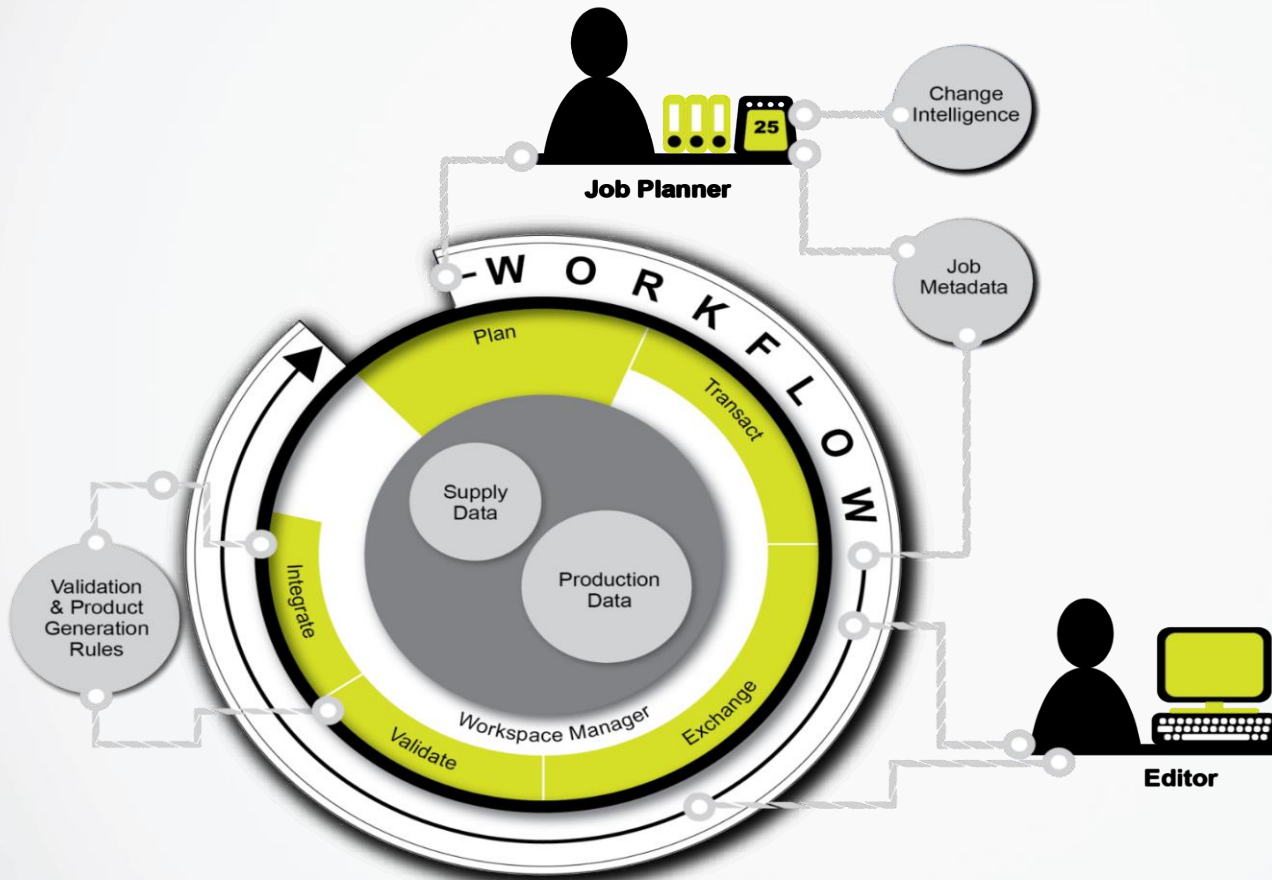
Standardised object based real-world relation data model



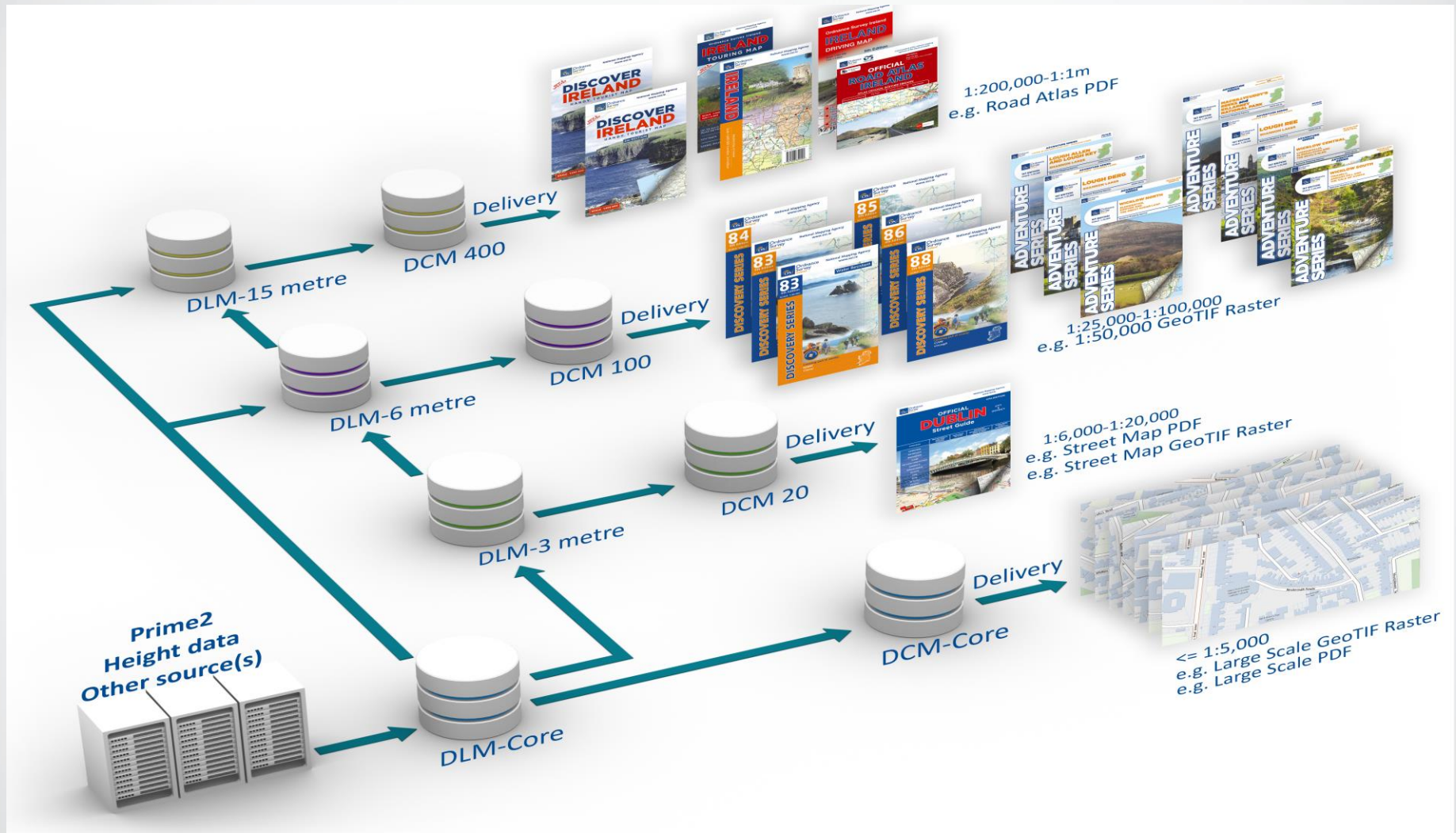
- Over 50 million uniquely reference features (no map sheets)
- Maintained object lifecycles
- Removal of cartographic concepts
- Scale is related to object attribution
- Non-proprietary
- Based on industry standards



Quality persisted through 'Rule-based Orchestrated Workflows'



Automated production of Products and Services



Developing a 'Quality Statement' for a national object platform?



- Mixture of specification within an area of interest!
- Quality related to real-world objects!
- No map sheets!
- No map scale!







Ordnance
Survey
Ireland


EuroGeographics Quality KEN meeting
Dublin, 23rd May 2018

Thank You



 colin.bray@osi.ie

 +353 1 8025300

 Ordnance Survey Ireland
Phoenix Park, Dublin 8
D08 F6E4
Ireland