ICA/EuroSDR generalisation and Workshop for NMA'S
3rd /4th December 2015, Amsterdam

Ordnance Survey Ireland

Introduction

Ordnance Survey Ireland (OSi) is the National Mapping Agency and has been mapping Ireland since 1824. It has a remit to provide the definitive topographic mapping of the State and to maintain and develop the spatial frameworks underpinning that mapping. It creates and maintains for the entire State mapping and related geographic databases which have national consistency of content, currency, style and manner. It is the only map provider in the State or beyond with national map coverage of Ireland at a large scale.

OSi is a State Body operating under the ownership of the Department of Communications Energy and Natural Resources. The day-to-day management of OSi is the responsibility of the Chief Executive. It employs 240 staff and has a significant presence in the data content supply side geospatial information market in Ireland.

The merger of the Property Registration Authority, the Valuation Office and Ordnance Survey Ireland was announced by the Government in October 2012.

Background

OSi has migrated the existing OSi cartographic database - Prime, to the new real world object database - Prime2 including new systems and processes to service the maintenance of Prime2. Building the new Prime2 database in an object-oriented model now enables OSi to better represent the real world and is more suited to modern government and customers. The next step in OSi's strategy is to migrate and modernise its Cartographic and Digital Data Production systems to use Prime2, other OSi data and 3rd Party data sets as the source for all future production and supply to customers.

Multi Resolution Data Store (MRDS)

OSi's policy is to develop an integrated solutions to maximise efficiency through automation. Following on from a tender process for the provision of a Multi Resolution Data Store (MRDS) Capability OSi signed a contract with ESRI Ireland for the provision of a solution to meet the our requirements that included:

- Conceptual understanding
- Ideal Business Process
- "Quick wins" / immediate business benefit
- Solution advantages
- Required Input Interfaces
- Exposed Output Interfaces
- Downstream Services
- Order Fulfilment Service
- Research and Product Development
- Web Services
- Geospatial Data Output Requirements
- Catalogue Management
- Cartography Requirements

Progress to date

Four OSi staff with four ESRI Ireland staff have been working fulltime as one MRDS team since the start of 2015.

They have developed their knowledge of ArcGIS toolkit specifically model builder, data generalisation and cartography styling.

They have generated a replacement Largescale cartographic product (PLACE map) used for property registration. This is at a business evaluation stage and it is anticipated will be fit for the market in early 2016.

Since August the team have worked on the Generalisation of our DLMCore (capture scale 1:1000 – 1:5000) to a DLM6 (6 metre resolution – suitable for cartographic output at 1:20,000 – 1:100,000)