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[www.osi.ie](http://www.osi.ie)

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**Ordnance  
Survey**  
*Ireland*



What new geospatial data, services and solutions do we believe that future government, industry and citizen customers will demand in 2030?

- **What data and services will the private sector demand?**

**From my perspective:**

- Difficult to differentiate what will be demanded of us by government, industry and citizen customers
- I think all sectors will demands new and challenging data and services from NMCA's



**I think we can all presume / predict that geospatial data and service providers will be demanded to provide:**

- Greater geometric precision
- Near real-time change management
- 4D visualisation
- Significantly increased landscape intelligence
- Complete standards compliance / interoperability
- Data-As-A-Service / Information-As-A-Service

➤ *Authoritative State information brokers*



I believe the primary demand of NMCA's in 2030 will be:

- **The maintenance and provision of authoritative State geographic object registers compliant with the Semantic Web**
  - *Providing the authoritative object and location referencing standards for the Internet of Things (IoT)*





**I think this exciting opportunity will challenge some of our traditional topographic and cartographic data management practises as we move towards NMCA Information-As-A-Service:**

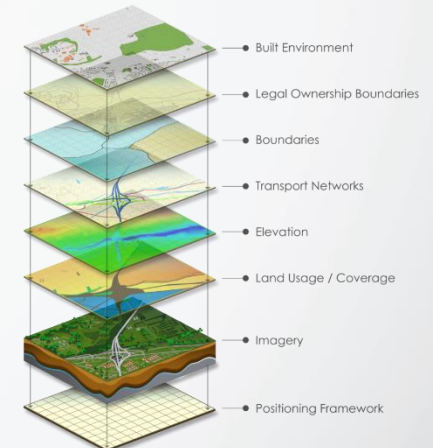
- Enabling real-world information insights, not traditional real-world visualisation
- **Moving away from revising maps to maintaining real-world objects**
  - National Digital Landscape Model, with geometry being attribution of the objects
  - Object ID the primary reference, with location reference being object attribution
- **Creating a single source of high-resolution truth**
  - Moving away from map-scale, to positional accuracy being attribution of object
  - Geospatial Linked Data attribution, a new form of object referencing
- **Automation of multi-resolution products and services**
  - Codification and orchestration of processes and workflows





## Summary

- Getting ready for this IoT future is a very exciting time for NMCA's
- We have a very important role to play (authoritative object registers)
- It's our traditional competence of referencing, but refocused for the Semantic Web and IoT






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Thank You



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