Ordnance Survey APIs: A decade of changing standards

Michael Gordon
Strategic Product Manager
Our past...
Our digital heritage

We’ve been at the forefront of digital geospatial data since the advent of the computer.

The mammoth task of digitising the whole of Britain started in 1971 and was completed in 1995.
Our API journey

Bring your apps alive with OS APIs

With OS APIs, you can start using Britain's most detailed, accurate location data to help everyone find exactly what they're looking for. Ordnance Survey's APIs bring Great Britain's landscape to life, with maps, data, insights and more.

Maps & Visualisation

With OS Maps API, you get access to the maps your users really trust.

Places & Networks

OS Places API
- Get closer to your customers with OS Places API
- Get access to the most accurate addressing data in Great Britain

OS Op
- OS OpenSpace Pro
- Online application for business
- OS Places API
- OS OpenSpace with OGC WMTS

OS Names API
- JSON based
- >2.5m features

OS Maps API
- OGC WMTS
- >200m tiles pcm

OS OpenSpace API
- JSON based
- >4.5m monthly transactions
Our now...
Welcome to the Ordnance Survey Data Hub

Bring your solutions to life with OS data and APIs.

Get started for free and benefit from the power of location by incorporating Great Britain’s most comprehensive geographic data into your applications.

Sign up for access to APIs  Get free OS OpenData downloads

The most detailed and accurate view of Great Britain’s landscape
Focussing on value-based outcomes

- Asset management
- Evidence based policy-making
- Environmental monitoring & regulation
- Efficient transport systems
- Effective planning framework
- Land registration
- Understanding commercial risk
- Protection of life
- Effective citizen services
- Land & property lifecycle

OS Data Hub
Introducing...

OS Features API
OGC Web Feature Service

OS Vector Tile API
Vector Tile Service

OS Maps API
OGC Web Map Tile Service

Downloads API
Bulk Downloads
JSON based discovery

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Improving the Developer Community
Our future...
Developing standards...

• Active OGC, W3C, UN-GGIM, ISO member

• Sponsoring work in OGC testbeds and sprints

• Focus on creating developer friendly standards – increasingly openly on Github
The next generation of OS data

Customers want richer, more consistent and current information about the real world

We want to respond faster, improving OS data and access quickly to answer user needs

In this ever-connected world, the ability to easily link data together with confidence and quality is more and more important
The next generation of OS data

Overall enhancements will include more data capture, improved consistency across OS data, an improved data model and better metadata.

Prototyping access to next generation data via:

- OGC API – Features
- OGC API – Tiles
- Download services
Thank you

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