

VITAL DATA FOR LOCAL GOVERNMENT

An update from Ordnance Survey, May 2023

Rob Langford

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Agenda



THE PUBLIC SECTOR
MAPPING AGREEMENT?



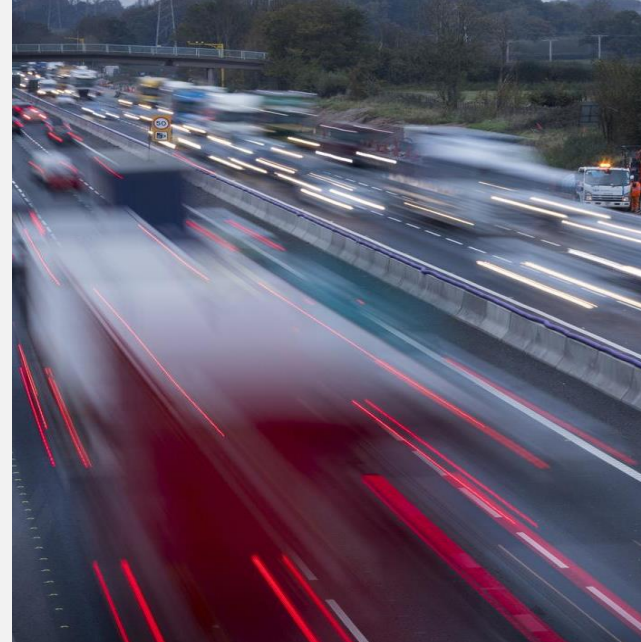
OS NATIONAL
GEOGRAPHIC DATABASE














































IMPROVEMENTS TO
DATA AND SERVICES



VITAL LOCAL DATA FOR
GOVERNMENT



 A	 A	 A	 A	 A	 A	 A	 A	 A	 C
Boundary-Line Every administrative boundary for England, Scotland and Wales.	AddressBase Over 29 million addresses. Residential or commercial classifications.	AddressBase Core Over 33 million addresses, updated weekly.	AddressBase Plus Over 37 million addresses, including multi-occupancy addresses.	AddressBase Premium Over 40 million addresses. Property lifecycle information.	Code-Point 17 million postcode units in Great Britain and Northern Ireland.	Code-Point with Polygons Over 1.6 million postcodes. National shape of every postcode unit in GB.	Code-Point Open Coverage of the 17 million postcodes in Great Britain.	OS Open Names Place names, roads numbers and postcodes for Great Britain.	GB Overview Maps Maps of the British Isles.
OPENDATA DOWNLOAD	PREMIUM DATA DOWNLOAD	PREMIUM DATA DOWNLOAD	PREMIUM DATA DOWNLOAD	PREMIUM DATA DOWNLOAD	PREMIUM DATA DOWNLOAD	PREMIUM DATA DOWNLOAD	OPENDATA DOWNLOAD	OPENDATA DOWNLOAD	OPENDATA DOWNLOAD
 C	 C	 C	 C	 C	 C	 C	 C	 N	 N
MiniScale Simple overview map of Great Britain.	1:250 000 Scale Colour Raster Regional map view of towns and villages, roads and places of interest.	1:50 000 Scale Colour Raster Digital alternative to OS Landranger paper map series.	1:25 000 Scale Colour Raster Digital alternative to OS Explorer paper map series.	OS VectorMap District Customisable district level mapping of Great Britain.	OS VectorMap Local Customisable street level mapping of Great Britain.	OS OpenMap - Local Street-level mapping.	OS Open Zoomstack Customisable map of Great Britain to be used at national and local levels.	OS MasterMap Highways Network - Roads A routable road network dataset.	OS MasterMap Highways Network - Routing and Asset Management Routable road network and routing restriction information.
OPENDATA DOWNLOAD	OPENDATA DOWNLOAD	PREMIUM DATA DOWNLOAD	PREMIUM DATA DOWNLOAD	OPENDATA DOWNLOAD	PREMIUM DATA DOWNLOAD	OPENDATA DOWNLOAD	OPENDATA DOWNLOAD	PREMIUM DATA DOWNLOAD	PREMIUM DATA DOWNLOAD
 N	 N	 N	 N	 N	 T	 T	 T		
OS MasterMap Highways Network - Paths Path network dataset for Great Britain.	OS Open Rivers Water bodies and watercourses in Great Britain.	OS Open Roads High-level view of the road network.	OS MasterMap Networks - Water Layer Detailed watercourse dataset.	OS Detailed Path Network Path and track routing dataset.	OS MasterMap Topography Layer Detailed view of Great Britain's landscape.	OS MasterMap Building Height Attribute Building height properties.	OS MasterMap Sites Layer Detailed extents of important locations.		
PREMIUM DATA DOWNLOAD	OPENDATA DOWNLOAD	OPENDATA DOWNLOAD	PREMIUM DATA DOWNLOAD	PREMIUM DATA DOWNLOAD	PREMIUM DATA DOWNLOAD	PREMIUM DATA DOWNLOAD	PREMIUM DATA DOWNLOAD		
 T	 T	 ID	 ID	 ID	 ID	 H	 C		
OS MasterMap Greenspace - Layer Greenspaces in urban areas.	OS Open Greenspace Greenspace sites and their access points.	OS Open Linked Identifiers Authoritative relationship between LPRNs, USRNs, TOIDs.	OS Open TOID Uniquely identify landscape and built environment features.	OS Open USRN Uniquely identify streets.	OS Open UPRN Uniquely identify addressable locations.	OS Terrain 50 Visualise simple landscapes in 3D.	OS Maps API Serving pre-rendered raster tiles.		
PREMIUM DATA DOWNLOAD	OPENDATA DOWNLOAD	OPENDATA DOWNLOAD	OPENDATA DOWNLOAD	OPENDATA DOWNLOAD	OPENDATA DOWNLOAD	OPENDATA DOWNLOAD	API		
 N T	 C N T ID	 C N T	 ID	 A	 A	 A C N T ID H			
OS NGD API - Features Access the data you need from the OS National Geographic Database.	OS Features API Filter OS data and receive exactly what you need.	OS Vector Tile API Serving data as a customisable basemap.	OS Linked Identifiers API Access relationships between primary identifiers.	OS Places API Find UK addresses instantly online.	OS Names API Geographic directory about identifiable places.	OS Downloads API Automate your downloads of OS data.			
API	API	API	API	API	API	API			

Access all OS data available under the PSGA in the OS Data Hub.

osdatahub.os.uk

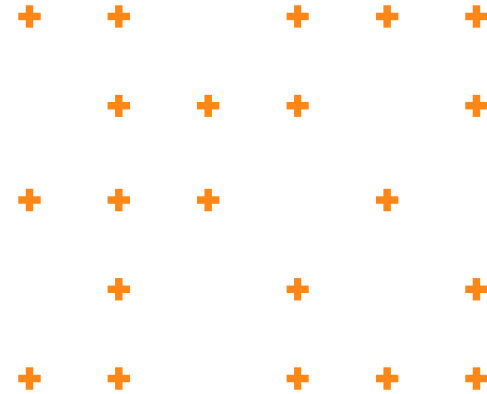
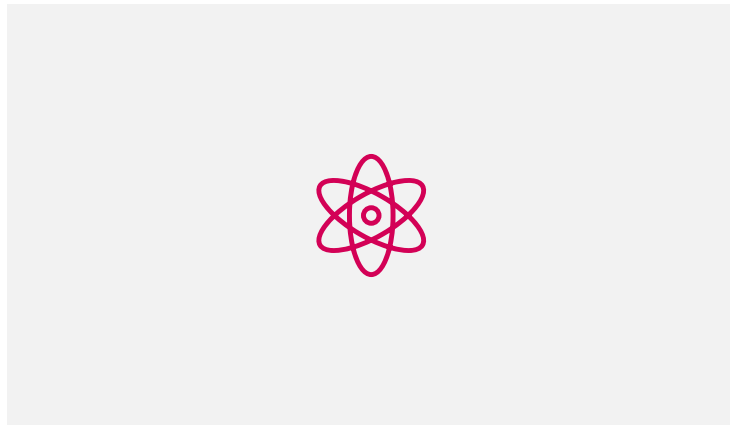
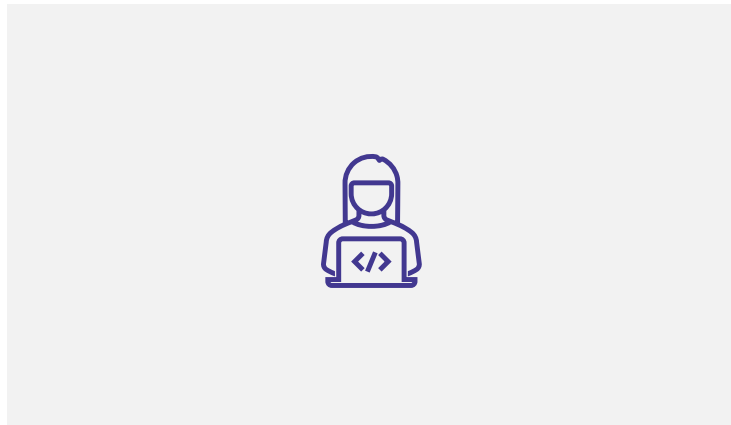
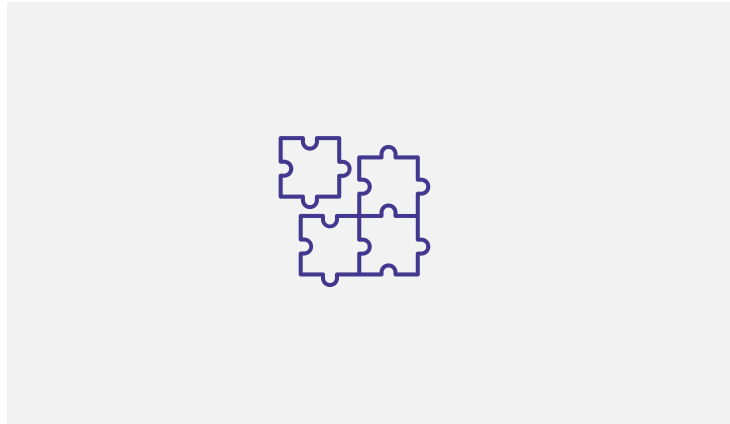
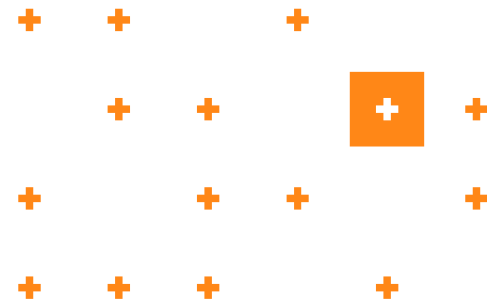
- ✓ Access Premium data, OpenData or only the data you need using OS Select+Build
- ✓ Use APIs for direct access to data without the need to download large datasets.
- ✓ Easily report errors and omissions via the Error Reporting tool.



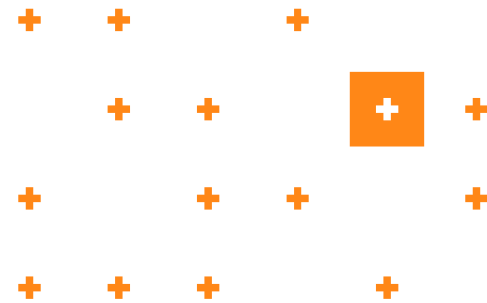
DATA CATEGORIES

- A** Addressing and location
- C** Contextual and derived
- N** Networks
- T** Topography
- ID** Identifiers
- H** Height

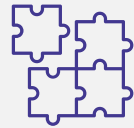
Technical support for the public sector



Technical support for the public sector



Getting started
with OS



Using OS data
& services



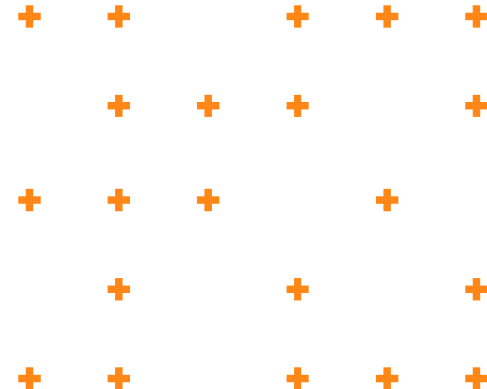
Maximising value of
geospatial data



Embedding technical
expertise



Scientific advice



The

AUTHORITATIVE DATA

that that describes the geography
of Great Britain



NGD

The

AUTHORITATIVE DATA

that describes the geography
of Great Britain



The
AUTHORITATIVE DATA
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of Great Britain

LAND USE

ADMINISTRATIVE
& STATISTICAL
UNITS

TRANSPORT

LAND

ADDRESS

BUILDINGS

WATER

STRUCTURES

GEOGRAPHICAL
NAMES



Improved data structure



Increased update frequency



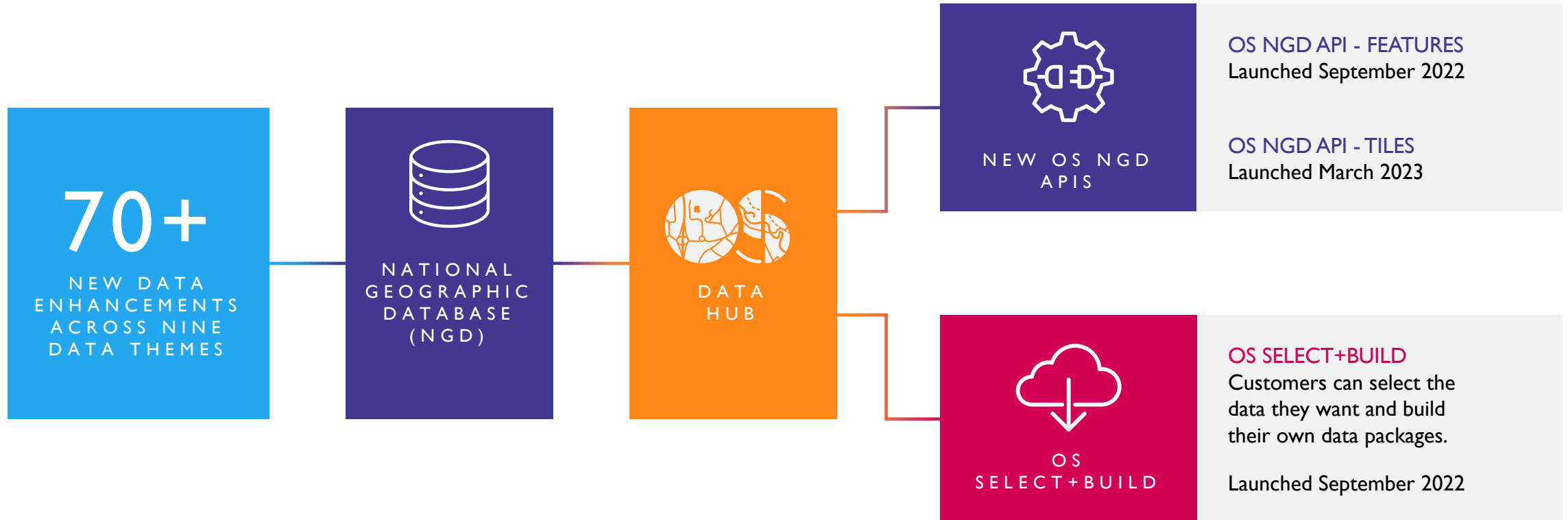
Metadata enhancements



New documentation platform



Accessing the OS National Geographic Database



Customer Feedback



A huge improvement on previous method of ordering... OS NGD is a huge step forward



Easy process, decent instructions. Excellent data which is straightforward to manipulate and interpret in GIS



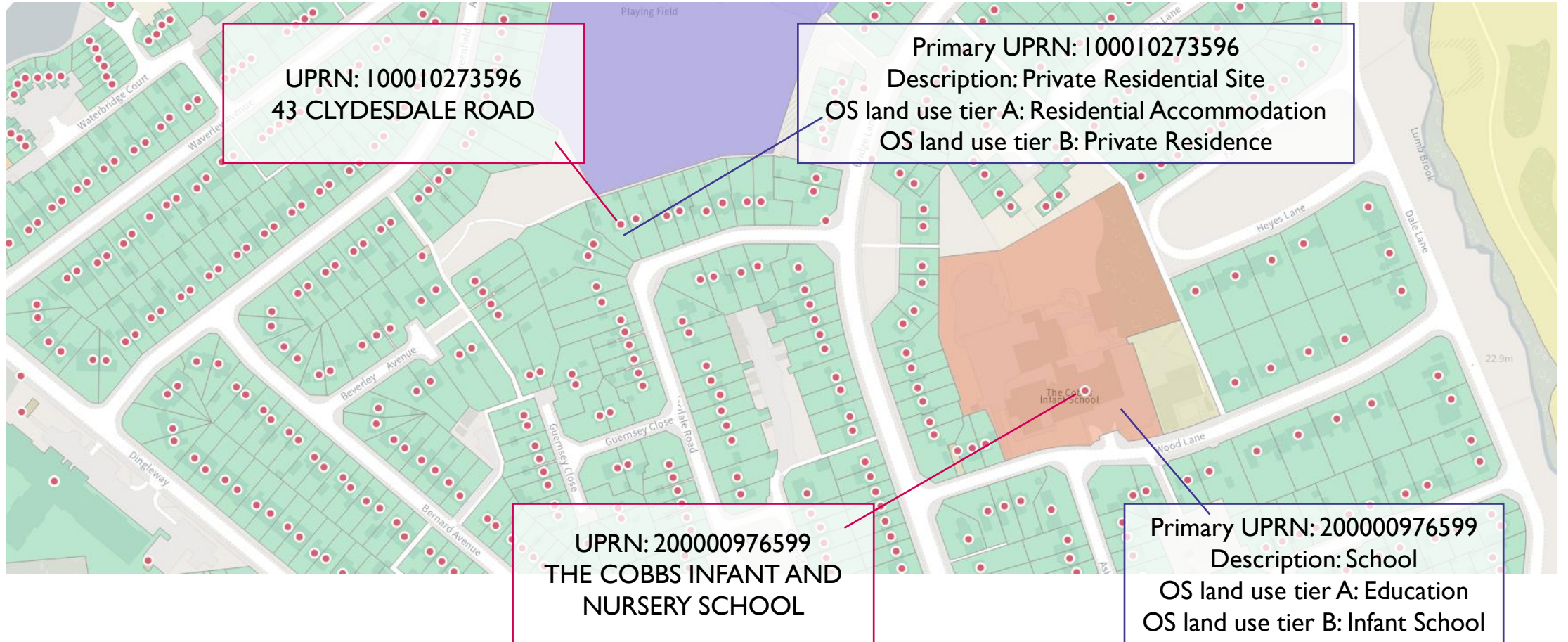
CASE STUDY: GRENFELL LEGACY

- Fire & Rescue Services across the country making high-rise residential buildings safer
- All residential over 18m high
- Re-engineered OS data in OS NGD and functionality of OS Select+Build used to identify high-rise building locations

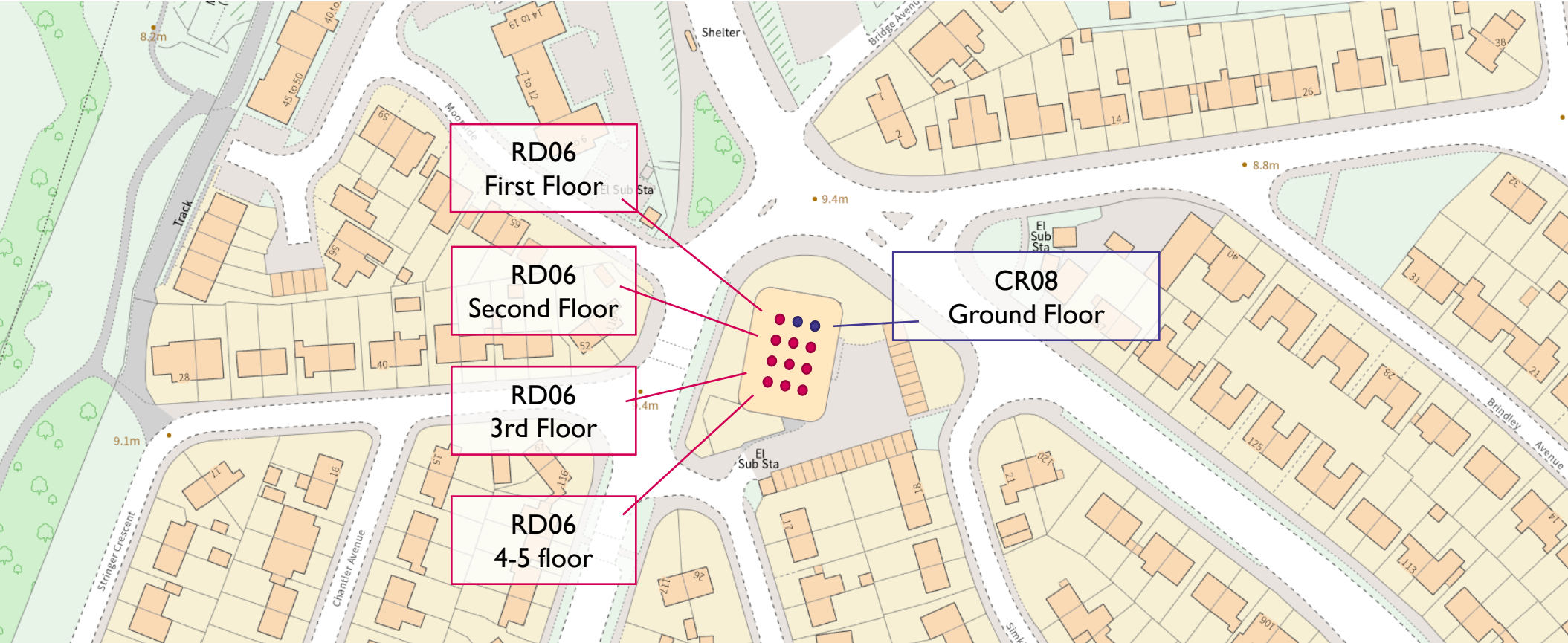


The additional functionality provided by 'OS Select+Build' will be invaluable in time saved to Fire & Rescue services around the country to help us keep up to date with our build stock and work with building owners and residents to ensure their safety

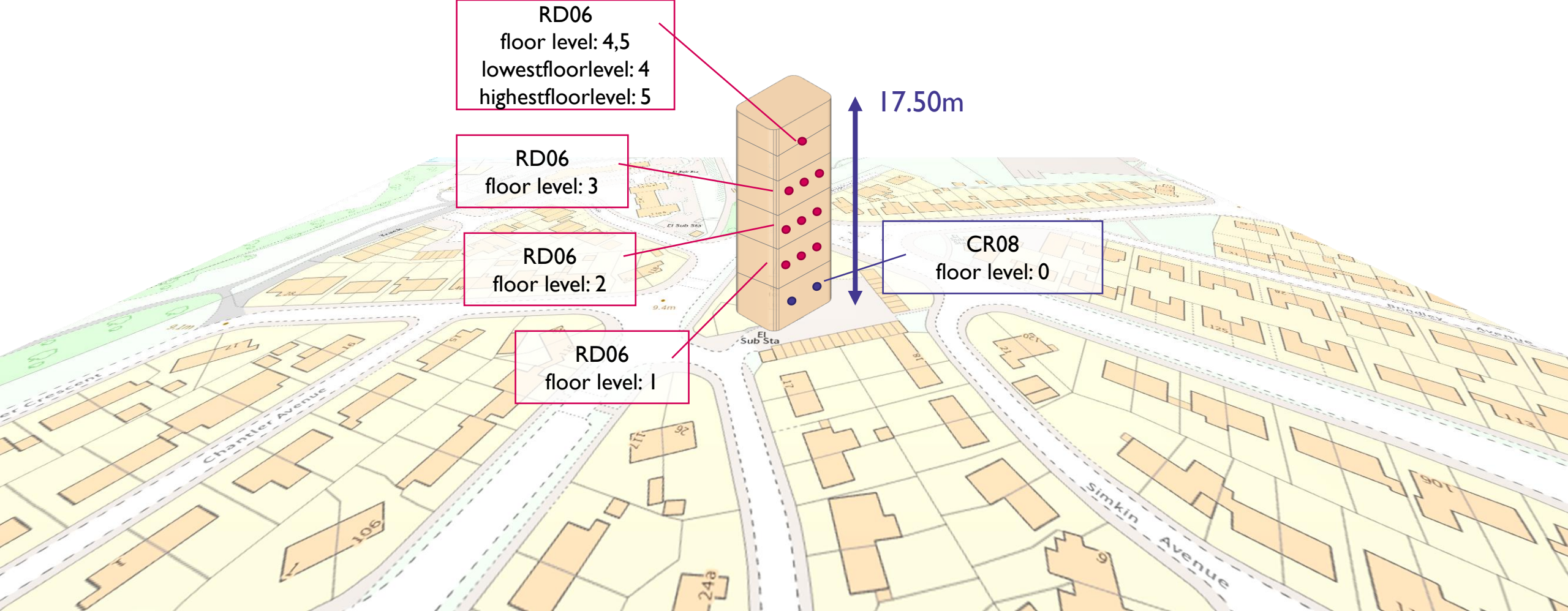
OS NGD Land Use Sites



Floor Level improvement - before



Floor Level improvement - after



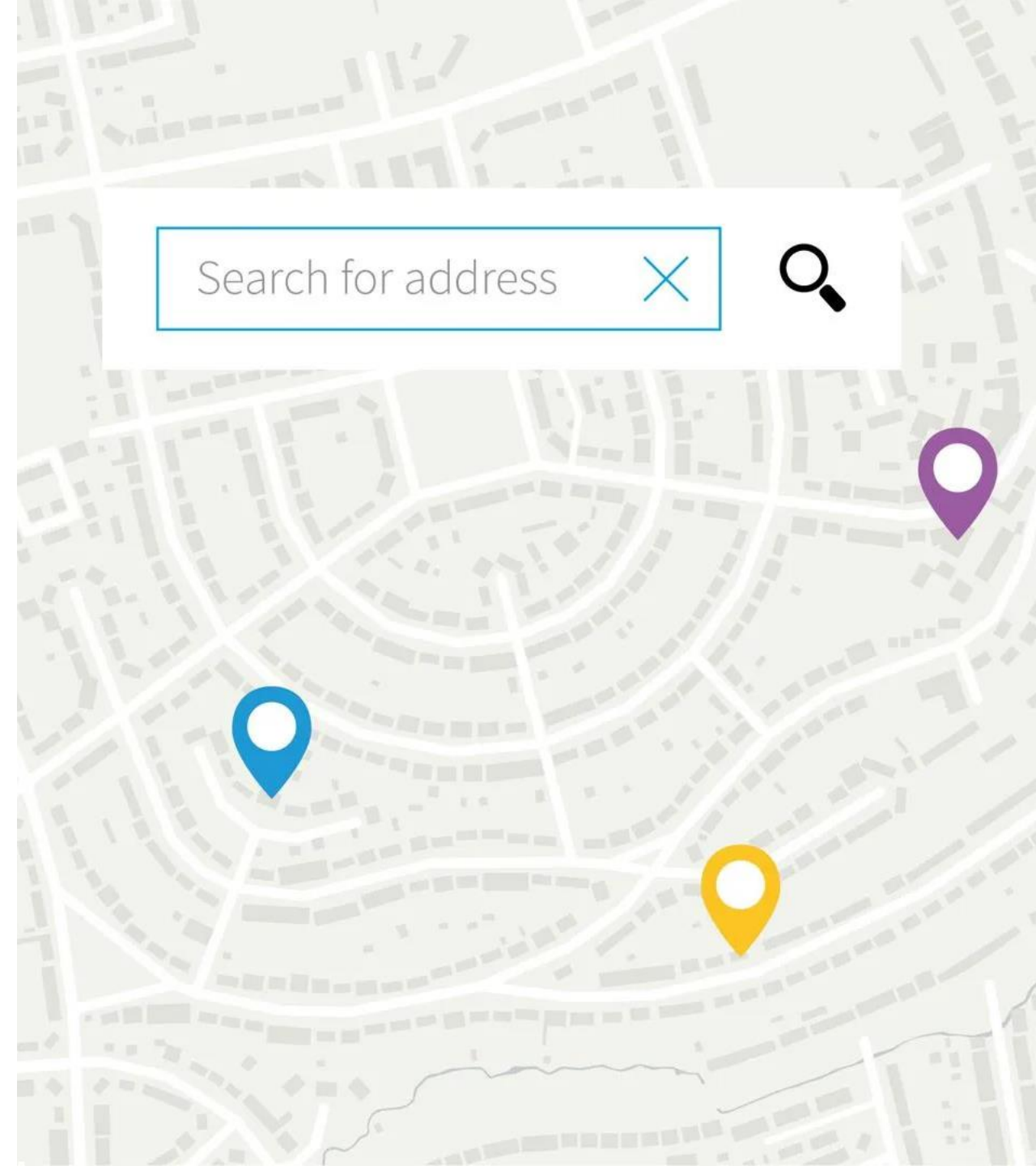
OS Places API Improvements



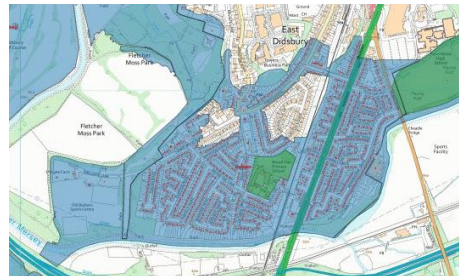
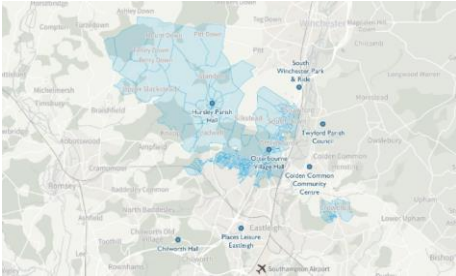
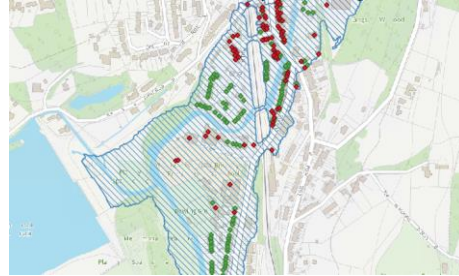
Increased update frequency



Filterable by local custodian code



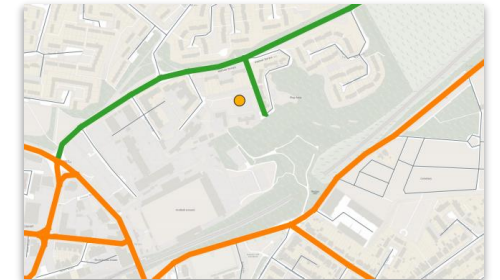
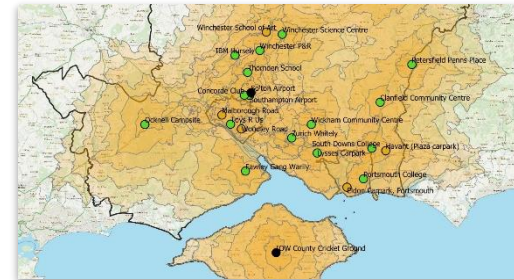
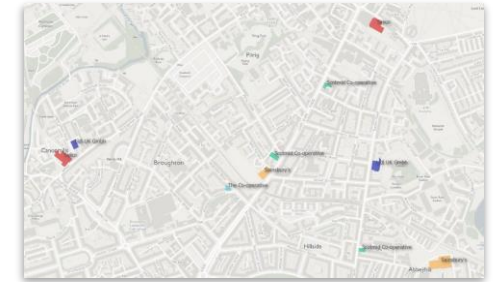
Vital *local* data for government



- Mapping for Emergencies
- COVID-19 response

Vital *local* data for government

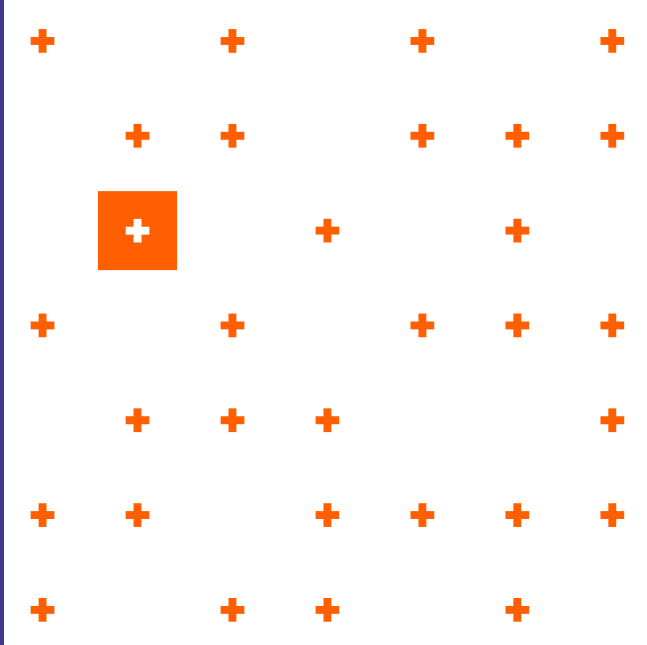
- Mapping for Emergencies
- **COVID-19 response**





docs.os.uk/osngd

THANK
YOU



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