geoplace®

The Power of Place.

UPRNs and USRNs
Reveal value with open data and GeoPlace's support

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UPRNS and USRNs are unique reference points. **And now they're royalty free.**

Here in Great Britain, GeoPlace's Unique Property Reference Numbers (UPRNs) and Unique Street Reference Numbers (USRNs) are now openly available and royalty free for use on Open Government Licence (OGL) terms.

UPRNs and USRNs never change, so they enable different data sources to be connected with confidence and ease. There is no duplication. No ambiguity. The use of these identifiers leads to higher productivity and profitability, lower risks and costs, and brings down many of the barriers to transformation and innovation.

In fact, from emergency services' planning, policy-making, and councils' support services to next-day deliveries to meter readings, and better general asset-management – UPRNs and USRNs are guaranteed to provide meaningful, valuable insights.

UPRNs

UPRNs make it easier to match and analyse disparate datasets. There's one UPRN for every addressable location in Great Britain. That includes houses and tower blocks, school buildings, farms and barns – but also physical objects that don't have a physical address like ponds, electricity substations or communication masts.

USRNs

In a similar way, there's one USRN for every street in Great Britain. The National Street Gazetteer (NSG) holds the USRNs for England and Wales, while USRNs in Scotland are managed by the Improvement Service, and USRNs in Northern Ireland are managed by the Department for Regional Development (Northern Ireland).

What will open data access mean to the public and private sector?

The Government has mandated the use of UPRNs and USRNs as the standard way of referencing and sharing information about location across government. This will help to improve services for citizens, reduce costs, and improve the efficiency and effectiveness of data sharing in many ways.

Now that our UPRNs and USRNs are presented as royalty free datasets, businesses, organisations and departments across the public sector can start using them freely to match data more accurately.

The UPRN and USRN are golden threads that facilitate seamless data linking, sharing and analysis between different organisations. They will help thousands of businesses and organisations to glean fresh new insights with confidence.

Because UPRNs and USRNs are presented in such a simple format, they can be used easily by many technologies such as databases, spreadsheets, XML/GML schema and linked data. Ordnance Survey's Open UPRN and USRN datasets also hold geometry from AddressBase Premium and OS MasterMap Highways Network, which means that UPRNs and USRNs can also be used in mapping applications.

UPRNs enabling analysis

A developer wants to evaluate locations before submitting planning applications. UPRNs enable detailed analysis and modelling of risk, routes, local infrastructure, and the impact of change on the environment.

USRNs minimising disruption

Utilities and local authorities use the USRN to plan streetworks in a way that minimises disruption to road users, homeowners, and businesses.

UPRNs protecting privacy

A social care team needs to protect the identities of vulnerable householders, but wants to share data with a firm providing meals on wheels. A set of UPRNs provides a practical solution without revealing personal details.

USRNs mapping our underground assets

A utility company wants to use USRNs to improve underground infrastructure maintenance to keep the country supplied with water, gas, electricity and communications.

UPRNs shaping policy

Accurate addressing makes a tremendous difference to analysis and policy-making. The UPRN removes doubt about the data driving decisions on communication, health, welfare, education, customer targeting – and more.

UPRNs saving lives and preventing fires

Blue light services – emergency services like fire, rescue, paramedics and coastguards – use UPRNs to help save lives. Fire services blend data to analyse and predict risk, minimising risk to property and preserving life.

USRNs securing funding

The Department for Transport provides funding to local government's highways departments based on the actual length of road network in each are. USRNs are used in this calculation.

USRNs lighting up the neighbourhood

Local authorities use USRNs to manage all kinds of assets from properties to street furniture and street lighting throughout their area.

UPRNs leading to efficiency

Organisations and local authorities often have siloed departments that must work collaboratively. Education with bus services, for example; asset-management with human resources. UPRNs connect that data accurately.

USRNs supporting renewable energy

Utilities use USRNs to check on planned streetworks and see how they might impact local underground heating systems, resulting in safer works for operatives and the public.

UPRNs verifying Identity

Fraudsters may try to validate their identity with a false address. The UPRN provides the single point of truth that's needed to help mitigate fraud across central and local government.

USRNs supporting data sharing

Organisations can use USRNs to seamlessly share information about streets, street projects, and access to streets by ensuring that USRNs are integrated in their projects from the outset.

FindMyAddress and FindMyStreet

Working on behalf of local authorities, GeoPlace has created www.FindMyAddress.co.uk and www.FindMyStreet.co.uk. These services provide a central point for queries on UPRNs and USRNs, as open data, and should reduce the number of enquiries (and the costs of those enquiries) for councils.

FindMyAddress

www.FindMyAddress.co.uk makes it easier to find official addresses, UPRNs and locations for every address in England, Scotland and Wales. We designed the service to highlight the value that UPRNs hold for the nation and provide a central point for finding out your URPN. FindMyAddress is for personal, non-commercial use.

FindMyStreet

www.FindMyStreet.co.uk service helps people to understand more about the official street network in England and Wales. The online service shows every street that's recorded in the NSG – explaining where a street can be found, what its official name is, and who's responsible for maintaining that street.

The projects are a partnership for GeoPlace with Local Government Association (LGA) and Ordnance Survey (OS) . The underlying data is created and maintained by local authorities, collected and managed centrally by GeoPlace, and then published by OS as AddressBase® and OS MasterMap® Highways Network products.

How do I get hold of UPRNs and USRNs

GeoPlace manages the National Address Gazetteer that OS uses to publish the AddressBase range of products and OS Open UPRNs. We also maintain the National Street Gazetteer, the primary source for USRNs. We supply USRNs to OS, so that they can create the OS MasterMap® Highways Network and include USRNs in the OS Open USRN product. See the OS website for more information.

GeoPlace

For 20 years, our team of data experts has been handling UPRNs and USRNs on a daily basis. Matching, cleansing, analysing spatial data. As a result, we're probably the UK's foremost location data advisors and we're also one of the most accessible consultancies you'll ever work with – because we believe in bringing location to life.

- We're providing advice. We're offering support. We have a wide range of services to help you.
- We're showcasing innovation, and helping you to derive tangible benefits from the power of place.

We're also offering our consultancy services to businesses, organisations and public sector departments that want to understand more about embedding the UPRN or USRN to increase efficiency and reduce costs or risks. So, if you need the know-how to get maximum value from UPRNs and USRNs? GeoPlace can help.

Data expertise in UPRNS/USRNs

- Data acquisition, assurance, and validation
- Data linking and translation, sharing and publishing

- Data and product pricing and licensing
- Data quality improvement, analysis and analytics
- Developing common data standards and conventions
- Adopting AddressBase® products
- Understanding legislation and policy as part of data strategy and process implementation
- Promoting excellence in road network and traffic management

Data experience inUPRNS/USRNs

- Mergers, shared services, collaborations
- Developing data strategy and policy
- Data architecture design, system integration and migration
- Risk, asset and estate management
- Achieving a single view of place and networks
- Implementing data collection and modernisation
- Managing road networks and traffic management

We can show you how to find a competitive or operational advantage by collating, comparing, validating, and sharing data that's been enriched with UPRNs or USRNs. All you have to do is **contact us.**