

Summer 2025

CDR News



More National Geographic Database Data

Ordnance Survey launched the National Geographic Database in 2022 and continues to add even more enhanced datasets that offer further possibilities for greater spatial analysis. This was the main topic last year as well. The OS NGD is a single store of all Ordnance Survey’s authoritative data for Great Britain. The OS NGD is more than just a massive datastore – it delivers much richer data, which enables you to perform better analysis. For PSGA Members, the download service in the Data Hub called OS Select+Build makes it easier to pick and mix the data you need.

<https://www.ordnancesurvey.co.uk/products/os-ngd> for more information

Highlights of the OS NGD data enhancements released to customers in March 2025:



New attribution to **NGD Buildings**:

Roof material, aspect and shape,
Presence of solar panels,
Presence of green roofs,
Building heights,
Access points to key public buildings such as hospitals and shopping centres.

NGD Land Use has 3 new types of site added: Beach, Military Training Site and Wind Farm. Beaches also include Site Access Locations.

Other new data:

Tunnels (NGD Structures), Street lights (NGD Transport Features and NGD Transport Networks), Crowd Sourced Names, locally known and alternative names of features and landmarks (NGD Geographical Names). Some older OS products are also being retired – more news to follow.

If you need to know more or want a quotation for your Area of Interest, just get in touch with the team at CDR Group – love to help.

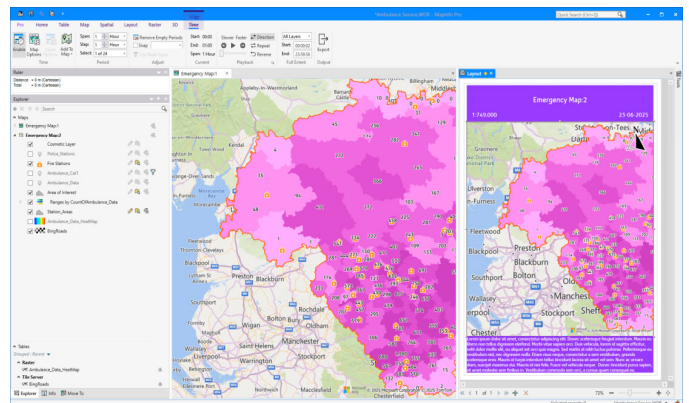
MapInfo Pro v2023.2 due in November

We are looking forward to the release of MapInfo Pro v2023.2 in November.

This release will be providing easy access to the Precisely Data Enrichment API’s from within MapInfo. These are paid services giving you direct access to global datasets. Access the latest data, whenever and wherever you need it and pay only for the data you use.

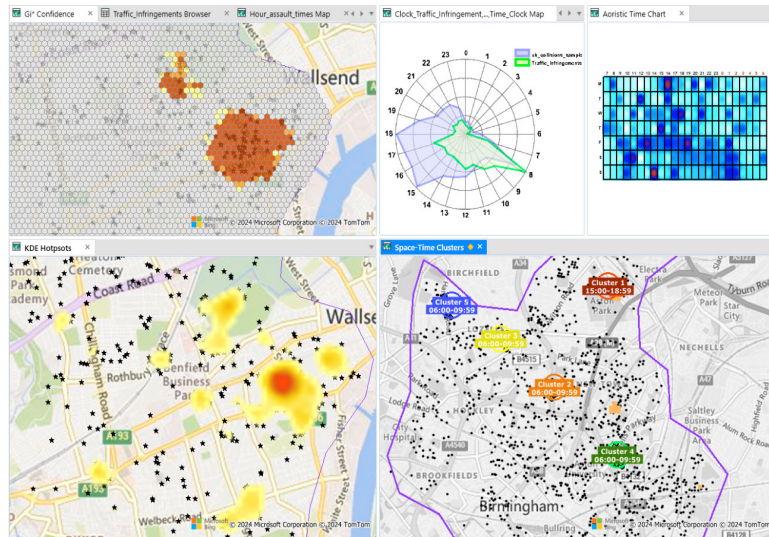
- ◆ Data Graph API
- ◆ Mapping and Tiling APIs
- ◆ Spatial Analysis APIs

We shall also see a number of bug fixes to MapInfo.



HS Gridder v4 for MapInfo Pro

The latest release of HS (HotSpot) Gridder was released earlier this year and following further testing for MapInfo v2023 and Windows 11, is now deployed in another Police Force. Whilst this tool was developed for crime analysis, it is also used in other organisations who record incidents, locations and dates and times. HS Gridder provides several methods for identifying and mapping hotspots (clustering). These include: Kernel Density Estimation (KDE), Getis-Ord Gi*, Emerging Hotspots, Space-Time Clusters, and point clustering. HS Gridder also performs temporal analysis on data using an aoristic method, so that 'From' and 'To' times are considered. Output is provided in various graph and chart formats.



New Functionality in version 4

- ◆ **Point Clusters** feature uses the DBSCAN method to pick out groups of points and display a representative point and label it with the number of points in that cluster.
- ◆ **L/M/E Hotspots** helps to identify Long Term, Medium Term or Emerging Hotspots. This requires 12 months of data and will assess fortnightly intervals in the analysis.

Mobile Phone Analysis using phone data

- ◆ The **Cell Sectors** function will draw wedges indicating a direction from a tower;
- ◆ **Movement Links** are drawn to indicate a phone moving from tower to tower over time;
- ◆ **Summarise Time Labels** will create stacked labels indicating times and frequency of call from a tower, as it creates a manageable set of labels.

Spectrum Spatial v2025.1

The latest release of Spectrum Spatial sees a lot of technology upgrades to the Spectrum platform, like Internet Protocol v6, which enables upgrading key third party components and libraries. TLS upgrade to version 1.3, providing faster and more secure handshake process improvements compared to previous versions. Couchbase connectivity added, facilitating read/write stages in Enterprise Designer to push data from/to Couchbase. Several enhancements have been made to Spectrum Spatial Analyst that focus on enhancing map image quality, user interaction, display customisation, selection capabilities, and framework extensibility. Accelerate your geospatial insights within cloud-native Location Intelligence at scale with Spectrum Spatial. Spectrum is an industrial strength web platform that can handle BIG data requirements – combined with the Spatial module, this provides a powerful web mapping offering for both internal and external clients for an organisation.

RouteFinder v6.1

Hot off the press is the release of the latest version of RouteFinder for MapInfo. Major new functionality with Network Editing as the main enhancement, as well as the new Alpha Shapes isochrone and many more improvements. If you need to carry out routing, drivetime isochrones/isodistances, route optimisation, distance matrices and batch jobs, then RouteFinder is the ideal tool for you, from our friends at RouteWare. Of course, you will need a road network along with accurate speed data but you can incorporate any connected network. If you get stuck with any aspect of MapInfo or Spectrum Spatial, don't forget you can access the Knowledge Community directly from the start screen of MapInfo 2023. Sign-up and join the community.... Otherwise, get in touch with us at CDR.



Eccles House, Eccles Lane,
Hope, Hope Valley, S33 6RW
Phone: 01433 621282
Email: sales@cdrgroup.co.uk
Website: www.cdrgroup.co.uk

Mapping the way forward

