



Geospatial
Commission

NUAR update

UKOPA

27th February 2024

The platform

PRIVATE
BETA

This is not yet an operational service and should not be used as a replacement for existing processes in planning and executing work. It is offered as an early preview - your [feedback](#) will help us to improve it.

The screenshot displays a web-based geospatial platform interface. At the top, there is a search bar containing the number "453805,317942" and buttons for "Search" and "Edit AOI". To the right of the search bar is a "Bookmarks and sharing" dropdown menu. On the left side, there is a vertical navigation menu with icons for Notifications, Layers, Legend, Isolated Views, and Asset. The main area is dominated by a map showing utility assets overlaid on a street map. A large red hatched area indicates a "Sensitive asset (approximate)". Other assets include "Overground site" (red rectangle), "Underground site" (red square), "Property change" (red circle), "Cross-section" (red line with a cross-section symbol), "Underground point asset" (red square), "Overground point asset" (white square with red border), "Underground line asset" (red line), and "Overground line asset" (dashed red line). The map includes a scale bar for 20 meters and a scale of 1:479. A copyright notice at the bottom right of the map area reads "Contains OS data © Crown copyright and database rights 2023".

Notifications

Layers

Legend

Isolated Views

Asset

Legend

Electricity

- Sensitive asset (approximate)
- Overground site
- Underground site
- Property change
- Cross-section
- Underground point asset
- Overground point asset
- Underground line asset
- Overground line asset

Search 453805,317942

Edit AOI

Bookmarks and sharing

20 m

Scale: 1:479

Contains OS data © Crown copyright and database rights 2023

What will NUAR do?



Standardise

...data from 650+ asset owners



Secure

...data shared through the platform to safeguard and protect against misuse



Streamline

...data sharing between asset owners and those planning and carrying out excavations



Support

...improvement in data quality through missing or erroneous data being fed back



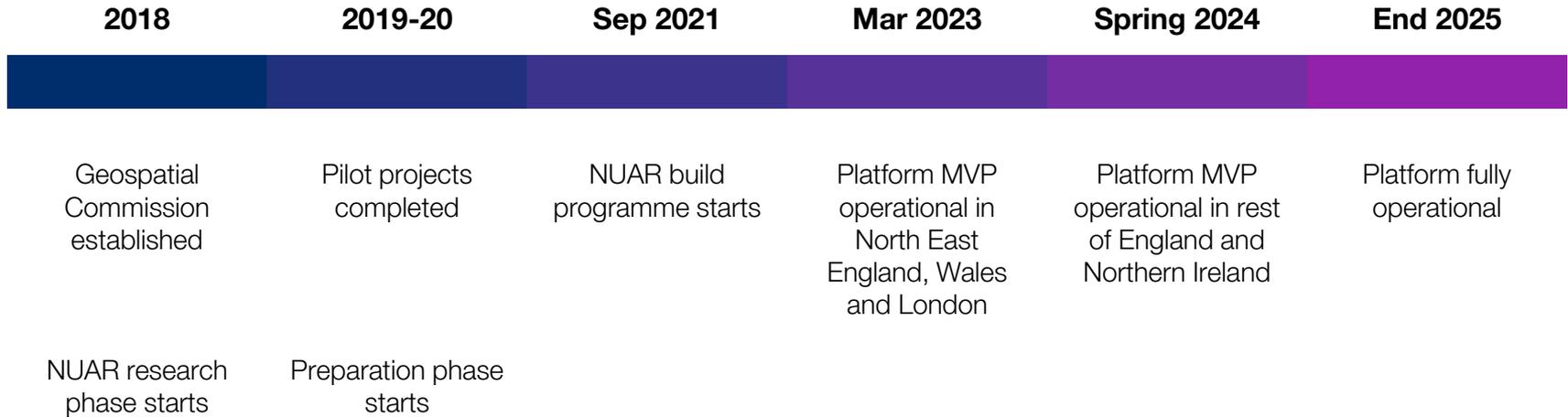
Why do we need NUAR?

- 4 million kilometers of buried pipes and cables in the UK
- 4 million holes dug every year
- c. 60,000 accidental strikes per year
- Planners and excavators need the data to do their jobs safely and efficiently
- Data is held by over 650 organisations
- Asset owners are legally required to make their data available for free to statutory undertakers



© twitter/@CucumberTonic

Timeline



Growing participation*

- 650+ asset owners engaged across England and Wales
- 373 Data Exploration Agreements (DEAs) signed
- 252 organisations' data uploaded to NUAR
- 215 datasets' transformations agreed
- 223 Data Distribution Agreements (DDAs) signed

* Data correct as of 18 February 2024

- MVP live April 2023
- MVP live August 2023
- MVP live November 2023
- MVP live spring 2024
- Scottish Community Apparatus Data Vault



Legislation

- *Data Protection and Digital Information Bill 2024* ([NUAR page 182](#)) including amendments to the New Roads and Street Works Act 1991.

National Underground Asset Register

138 National Underground Asset Register

(1) After section 106 of the New Roads and Street Works Act 1991 insert—

“PART 3A

NATIONAL UNDERGROUND ASSET REGISTER: ENGLAND AND WALES

5

The register

106A National Underground Asset Register

(1) The Secretary of State must keep a register of information relating to apparatus in streets in England and Wales.



Costs

- Data transformation period until September 2024
- Simple zero-cost data upload; transformed by 1Spatial
- NUAR cost model under development





An exciting new discovery project

The National Underground Asset Register (NUAR) is an interactive digital map of underground pipes and cables, currently available to underground asset owners and their supply chain to support the 'safe dig' use case.

However, the Geospatial Commission are now exploring **the potential benefits of widening access to NUAR and the constraints surrounding new propositions**.^{*} This could include making NUAR available to other groups for safe digging; to support other use cases; or via third party interfaces.

Email nuardiscovery@atkinsrealis.com with ideas that could be explored and to register your interest in participating in the process.

^{*}Ideas will only be taken forward where they are found to be technically feasible, of value, and have the wide support of asset owners and national security stakeholders.

Access

- Asset owners and their supply chain
- Once data has been uploaded, we grant access to Administrators of each organisation
- Feedback and beta-testing
- Quarterly updates – NUAR in 60 sessions
- September 2024 launch



UKOPA members onboarded



**Thank
you**

Follow the latest on NUAR on:



LinkedIn



X

Find out more about NUAR:



GOV.UK

Contact our onboarding team:



Asset owner onboarding form