

## Euro Data Cube: Introducing the new Bring Your Own Algorithm service

In consortium with [EOX](#) & [Brockmann Consulting](#), [Sinergise](#), [Gosat](#), [Planet](#), and [Sentinel Hub](#) have been working hard to develop the [Euro Data Cube \(EDC\)](#) platform. As part of EDC's recent evolution, users will now have the option to onboard their own third-party algorithms and to run algorithms onboarded by other users.

This was recently introduced by the consortium at ESA's Phi Week event when the concept of the new capabilities was presented. In addition, the first onboarded algorithm - [Truck Detection](#) - was also presented as a service, and can be conveniently triggered by any EDC user through API or via the [EDC Browser](#).

“Bring Your Own Algorithm” (BYOA) will enable them to offer pay-per-use services to their users via the [EDC marketplace](#). To make this as convenient as possible, users will be able to port their algorithms quickly and efficiently meaning significant investment in time and resources will not be required on their side.

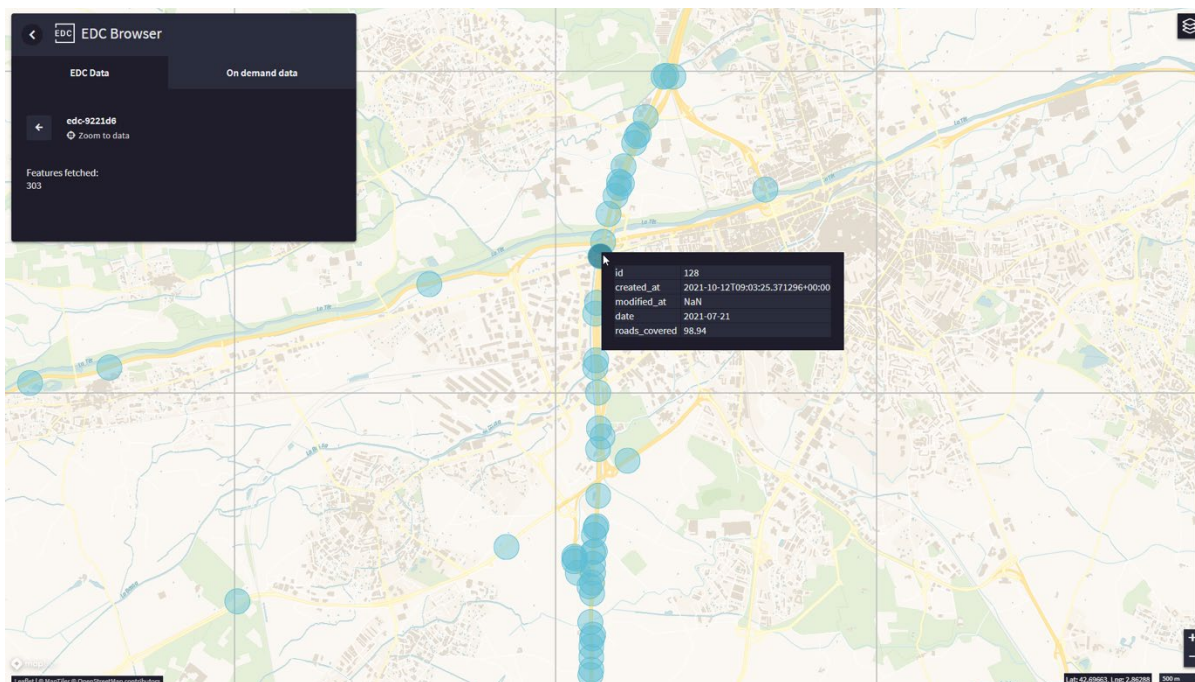


Figure 1: Truck Detection Results in EDC Browser

### What is it?

The vision of [BYOA](#) is to allow algorithm developers/providers to onboard their algorithms in as frictionless manner as possible and to make their algorithms available for commercial and non-commercial users alike. EDC has already proven how it can benefit the EO community through existing support for simple algorithms and applications such as NDVI and LAI product generation. These have been successfully integrated into either end-user-facing applications or then used directly to generate further products. Taking the next step of supporting more complex algorithms, we envisage the added value to be even more significant than it currently is.

Due to the varying complexities of the algorithms being onboarded, we will be agile in how we onboard different algorithms. Similarly, there will be flexibility in how consumers will access and request analyses from the algorithms using either simple user interfaces or through APIs which will meet OGC standards. The full process of data discovery, processing and access can be fully integrated and automated.

## Further Information

Visit [Euro Data Cube](#) to find out about our subscription plans and take advantage of the free trial options. To find out more on how to onboard your own algorithm visit [here](#). To learn how to use onboarded algorithms, check [here](#). You are welcome to [contact us](#) or post questions on the [Euro Data Cube forum](#). Follow us on [Twitter](#) and [LinkedIn](#) to stay informed on our latest developments.

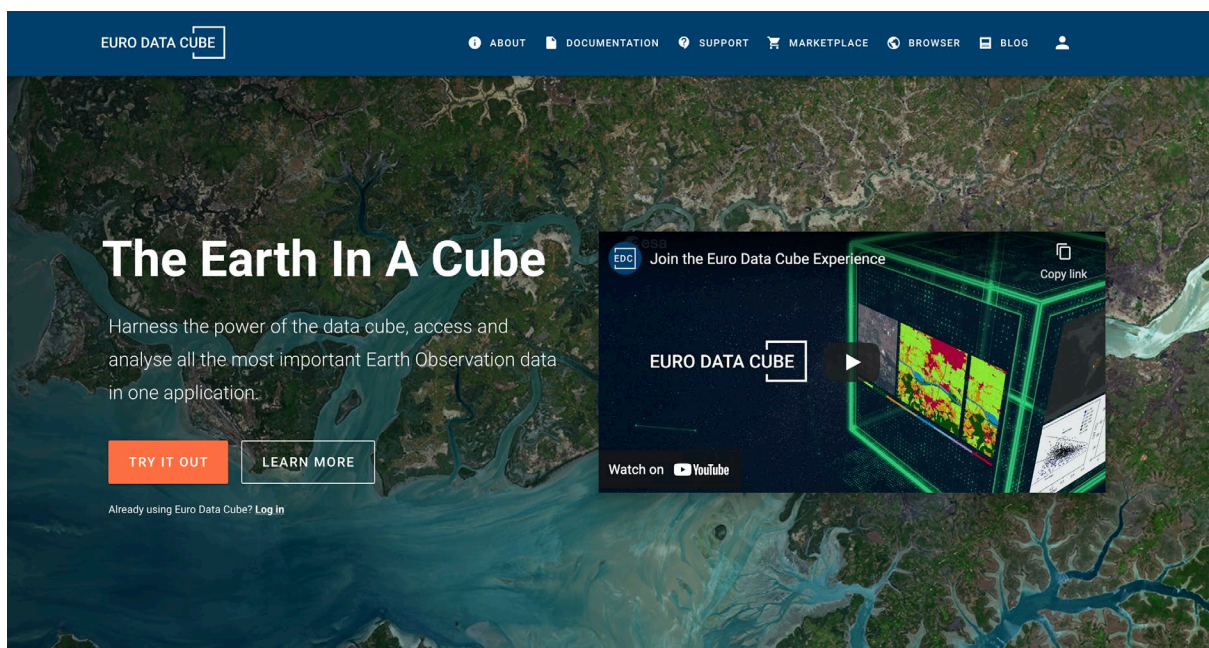


Figure 2: Visit [Euro Data Cube web page](#) to learn more