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Providing reliable actionable near real time information to the sargassum downstream industries

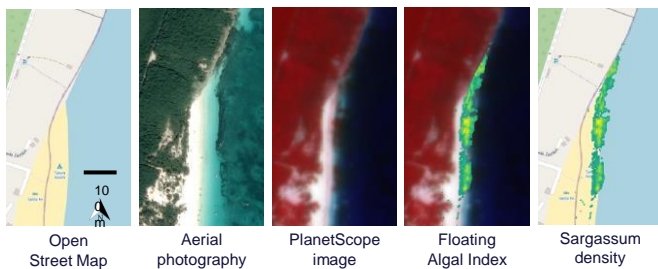
In brief

SargAssure is a space-informed service providing near real time actionable information on the location and condition of sargassum on beaches and near-shore waters of the Mexican Caribbean coast.

Daily coverage with a proven capability for assessing sargassum in onshore and near shore settings

Sargassum, a brown macroalgae (seaweed), floats on the sea surface in tropical and subtropical areas of the Atlantic Ocean and is an important conveyance system for marine wildlife, driven by water and air currents. In recent years increases in the quantity, frequency, and duration of sargassum beaching events have led to increasing ecological, economic and social problems. This new phenomenon has rocked the Mexican tourism industry, but also provided the opportunity for businesses to use sargassum as a feedstock for downstream processing.

The SargAssure system application (sargassure.net/) exploits high cadence fine spatial resolution satellite images to track the distribution of sargassum. It builds on the earlier work by the SaSaMS project team. These PlanetScope images provide daily global coverage with a proven capability for assessing sargassum in onshore and near shore settings. The SargAssure system application handles the data ordering, processing and visualisation to sargassum information including alerts when new information is available.



Characterisation of sargassum on a very fine spatial and temporal scale to provide location-based volume and condition information.

The team of UK and Mexican partners behind the SargAssure system application was supported by grant funding from the UK Space Agency's Underpinning Technology Development Programme.

Further reading

Twitter: @SASAMS_EO

Planet press release: [here](#)

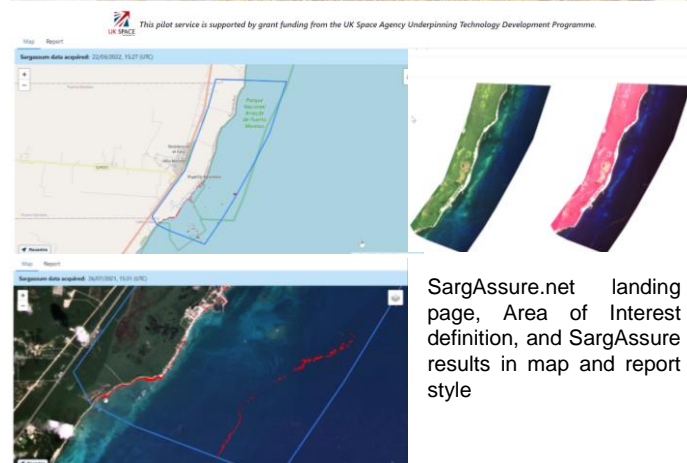
The Sargassum podcast episode: coming soon

Key benefits

Fine spatial resolution

High temporal resolution

Robust system architecture with map view and reporting features



SargAssure.net landing page, Area of Interest definition, and SargAssure results in map and report style

We are seeking a partner to license the software and market it in-country. We have worked with Mexican-based hotel groups and downstream industries and wish to support the commercial deployment of SargAssure.

IP

- Fully functional software
- Documentation up to TRL 9 system

Enquiries

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