



Your Business...Powered by Space

With ESA Space Solutions

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ESA Business Applications

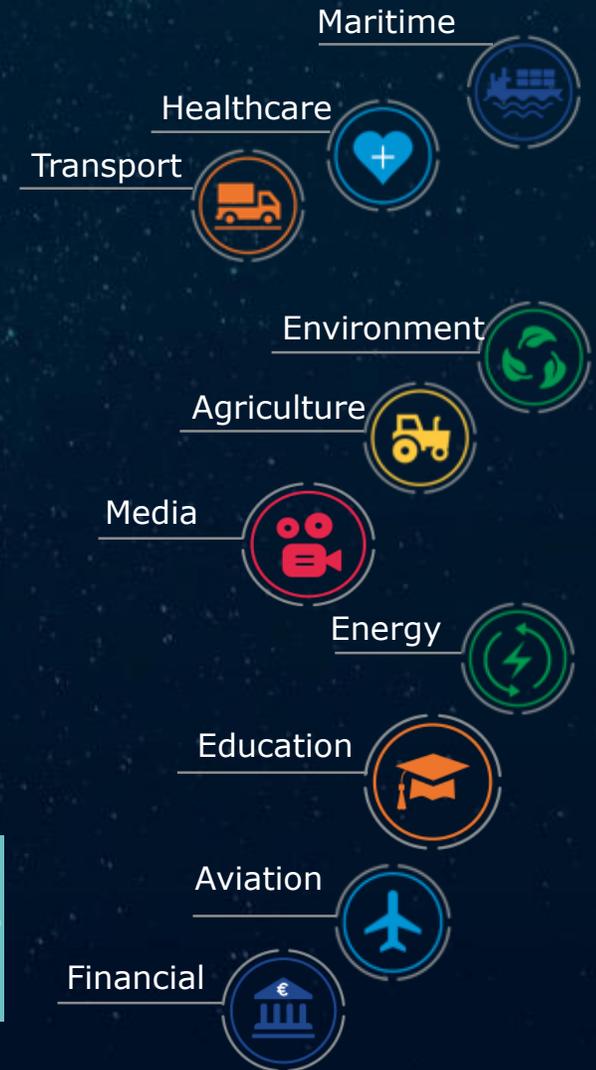
Space technologies



- Big Data analytics
- VR/AR
- Artificial Intelligence
- Megaconstellations
- 5G
- Crowdsourcing
- IoT
- Cybersecurity
- Blockchain



Users and markets

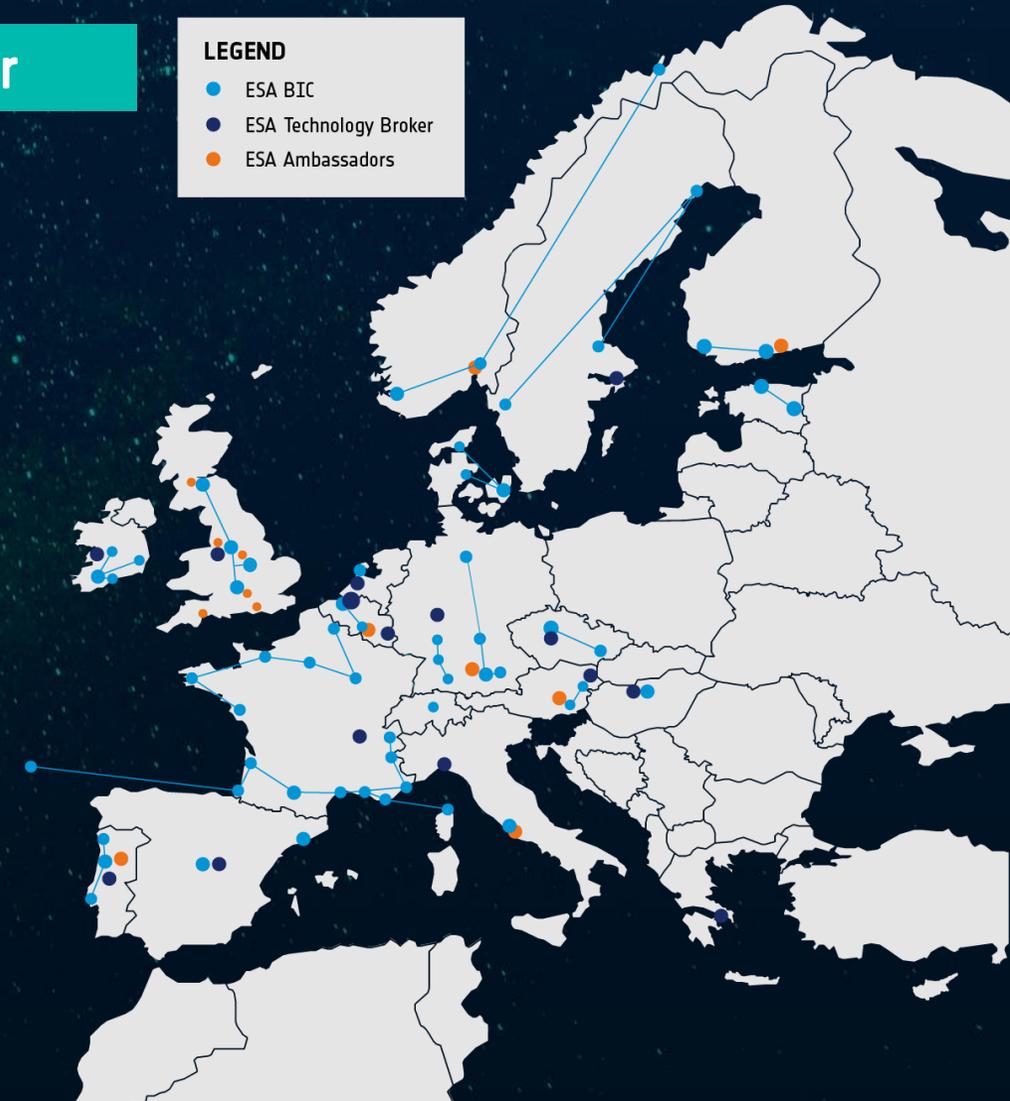


What is the role of an ESA Business Applications Ambassador

- Engage in **business networking** in the region and promote ESA Space Solutions and the Business Applications process
- Support businesses through the ESA Business Applications **Open Call** process.
- Promote ESA funding including **competitive tenders** coming through ESA Business Applications.
- Organise and attend **events** in the region promoting ESA Space Solutions and its available support (both space and non-space events)
- Use **social media** (e.g. LinkedIn, Twitter) to raise the profile of ESA Space Solutions funding and activities

LEGEND

- ESA BIC
- ESA Technology Broker
- ESA Ambassadors



<https://business.esa.int/ambassador-platforms/>

What Skills are need for an ESA Business

Applications Ambassador

- Understand space services – *but not detailed*
- Open & friendly
- Good Presenting skills
- Ability to build up network and working relationships
- Understanding of social media and how to use it (LinkedIn, Twitter...)
- “Business” focus rather than “Technology” focus

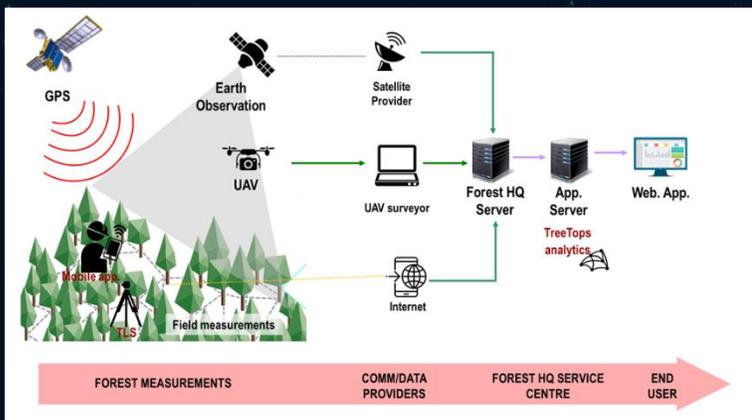


<https://business.esa.int/projects/>



Tree Tops

Treetops project has developed a set of easy-to-use online tools to manage information at single tree level for forest operations. High resolution images from Satellites, airplanes and UAV are delivering new levels of image resolution which allows for each tree to be counted. Knowing the number of dominant trees in the forest will deliver a new level of accurate information to enable better forest management.



AutoNaut

An unmanned surface vessel for gathering data from sea-bed assets by underwater acoustic communications, wholly powered by wave and solar energy. Equipped onboard with compatible acoustic communications technology, the valuable data would be "harvested" by the AutoNaut for storage onboard and/ or relay back to shore. The endurance USV then moves on to its next upload point.



Quality wines may only be produced by optimum vine yields. Each grape grower/ winemaker makes every possible effort for these optimal yields, but each decision made is only as good as the information that is based on. VINO-SAT services bring satellite data providing a novel valuable view of the vineyard throughout the growing season.

Regular crop monitoring, supplying information for general management purposes

Crop health estimation, providing information on vines' health status and early detection of anomalies

Detection of water and nutrient stress, indicating where there is need for additional agronomic inputs

Optimum yield date estimation, allowing harvest planning based on actual vine ripening, as opposed to typically used empirical measures.



YOUR BUSINESS POWERED BY SPACE

business.esa.int

BUSINESS
APPLICATIONS

BUSINESS
INCUBATION

TRANSFER
TECHNOLOGY

ESA UNCLASSIFIED

