AEUS

EUROPEAN SPACE IMAGING

AGRICULTURE SOLUTIONS

RELIABLE INSIGHTS

FROM THE WORLD'S BEST SATELLITE IMAGERY

European Space Imaging is a leading European Very High Resolution (VHR) satellite imagery provider that has contributed to the Controls with Remote Sensing (CwRS) for the European Commission / Joint Research Centre since 2004. During this time, our data was relied upon by the Commission to determine the requirements for **field boundaries** and accurately identify **crop classifications**. We have always maintained the highest level of success, including five consecutive years at 100% success rate (2017-2021).

Our imagery perfectly complements Sentinel data and can **fill missing data gaps**, particularly where small parcels (<0.2 ha) are concerned. In addition, the data can be used for the **quality control** of the Sentinel based Area Monitoring System and to verify other lower resolution data. It is also both a **cost effective and efficient solution** to updating the national LPIS.



ACCESS TO 23 SATELLITES | 29 CM - 99 CM RESOLUTION | MORE THAN 15 DAILY REVISITS

SENSOR OVERVIEW

AERIAL DATA VS. SATELLITE IMAGERY



including sub-hectare boundaries. Objects are all classified on a pixel, making VHR imagery an ideal input increasing the level of detail to be picked up by the Al. The cloud based nature of the automated networks means that the team can scale up capacity seamlessly with the final product delivered in just days. Furthermore, the product can deliver several different styles of "parcels" for land information systems depending on the users requirements. These can be either property based, such as updating a geocoding product, or agriculture based such as determining field boundaries relevant to your project.

SEEING BEYOND

THE VALUE OF RESOLUTION

The introduction of decoupled payments has seen the need to identify some landscape elements and land maintenance rules. With the growing introduction of 'greening' requirements, the need to identify more farming practices and quantify landscape elements have also been introduced. Unfortunately, the use of Sentinel data cannot be applied here, with imagery at a resolution of 50 cm or higher being required. Our VHR satellite imagery can support you to accurately identify **Good Agricultural and Environmental Conditions (GAECs), crop type, land cover type, land maintenance, landscape elements and landscape feature quantification.** In addition, our data can be used for the independent control of your LPIS reference system.





SUPPORT & GUIDANCE

Since 2004, European Space Imaging has had an experienced team of remote sensing geospatial specialists dedicated to the CAP's CwRS and LPIS QA programmes. We have acquired a vast amount of knowledge to the inner workings of these programmes and are **familiar with the requirements of the Member States and Paying Agencies** when addressing these. In addition to the high-quality standards of our imagery, we can provide **consultancy support** and guidance in the areas of: definition of image requirements, feasibility studies to ensure that the image will fit your needs and comply with JRC standards, assist with assurance of check methods and integration of the data into your inhouse alternative to G⁴CAP. A dedicated team will assist you from start to end of the imagery collection and delivery phase, activating **priority tasking** to ensure that your acquisitions are treated with urgency, and **near real-time delivery** of the data to meet your project timelines.