

APOLLO is an EU-funded innovation project aiming to open up the precision agriculture market by making affordable and easy-to-use agricultural advisory services available to farmers, using free and open Earth Observation data, such as those provided by the European Union's Copernicus programme.

PILOTS

The APOLLO services will be co-created, validated and evaluated during two agricultural seasons (May to September, 2017 and 2018), with pilot farmers in three different countries: Greece, Serbia and Spain. APOLLO services cover a wide variety of crop types.



PELLA, GREECE

The Agricultural Cooperative of Pella (ACP), with the help of the Agricultural University of Athens (AUA) and local agricultural consultants, will test the APOLLO services on irrigated cotton and rain-fed durum wheat crops. Amongst ACP members, 8,500ha of arable land is dedicated to durum wheat production, and 13,500ha to irrigated cotton.



RUMA, SERBIA

The Association of farmers of the Municipality of Ruma, along with local agricultural consultants, will test the APOLLO services on maize, wheat, soya, vegetables, and fodder crops. Additionally, the consultants involved in the pilot will incorporate the information provided on the test parcels into their advisory practice.



LA MANCHA ORIENTAL, SPAIN

Farmers with large farm holdings along with associations of small farm groupings, such as SORETA, irrigated by the La-Mancha Oriental Aquifer, will test the APOLLO services on a variety of crops over a total area of 100,000ha. AgriSat will act as a facilitator between APOLLO and Spanish farmers.

APOLLO will launch initial services in April 2017

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A P O L L O

Bringing the benefits
of precision agriculture
to smallholder farmers

<http://apollo-h2020.eu/>



Co-funded by the European Union



AFFORDABLE

Free European Union satellite data from Copernicus and automated processing make APOLLO services affordable for all farmers.

The APOLLO services are designed to provide tailored services in state-of-the-art resolution at a low price for all farmers.



ACCESSIBLE

Monitor your crops and get reports and alerts anywhere, at any time.

The APOLLO services will be available anywhere, at any time, through the web interface and mobile application. The web application will provide full access to all APOLLO services and data, while the mobile application will be used for basic reporting and alerting (even offline).



EASY TO USE

Developed with farmers for farmers.

The APOLLO's four flagship services are being developed based on a farmer-developer co-creation approach. APOLLO services place ease-of-use at the forefront, and are designed to minimise the burden on the end-user.

SERVICES

APOLLO's four services support better decision-making and optimised use of agricultural inputs, reducing waste and increasing yields.



TILLAGE SCHEDULING

► When and where it is best to till?

The APOLLO Tillage Scheduling service will provide daily information on when and where soil tillage should be performed. Tillage is the preparation of the soil before sowing, hence effective tillage is crucial for the beginning of the agricultural season. Environmental and agricultural sustainability and crop quality can be maximised if the soil is tilled at the right time.



IRRIGATION SCHEDULING

► When and where is irrigation needed?

The APOLLO Irrigation Scheduling will provide information on when and where irrigation should be performed for avoiding problems caused to crops by the over- or under-application of water. The farmer can take daily advice on when and in which area it is best to irrigate a crop. Agricultural irrigation uses more fresh water globally than any other activity. Therefore, improving the efficiency of water usage is crucial for environmental and agricultural sustainability.



CROP GROWTH MONITORING

► What is the current condition of my crops?

The APOLLO Crop Growth Monitoring service will enable farmers to keep an eye on their crops' status from emergence through to harvest, and provide early alerts in case of infestations and nutrient deficiencies. Indirectly, crop growth monitoring can help in delineating different management zones at sub-parcel level for the variable rate application of fertilizers and plant protection products.



CROP YIELD ESTIMATION

► Forecast crop yield before harvest

The APOLLO Crop Yield Estimation service forecasts crop yield before harvest, allowing an assessment of the farmer's expected income, as well as enabling the adaptability of crops and/or varieties to be evaluated, in combination with Crop Growth Monitoring service.

For more information please contact us: info@apollo-h2020.com