



**A Holistic Approach to Sustainable, Digital EU Agriculture,
Forestry, Livestock and Rural Development based on
Reconfigurable Aerial Enablers and Edge Artificial
Intelligence-on-Demand Systems**

Newsletter

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CHAMELEON 6th e-newsletter Final Results Edition

In this e-newsletter, we present the latest advancements in our satellite and drone technology applications in rural development: agriculture, livestock and forestry.

As the CHAMELEON project comes to a close, we are pleased to share its latest developments and outcomes with you.

In this issue you will find highlights from recent events, demonstrations, and conferences, as well as the final results from the subprojects funded through the Second Open Call.

Follow us for updates

Whether you are a long-time follower or reading us for the first time, we are glad to have you with us.

If you haven't already, subscribe to our newsletter and follow us on social media for updates.

Feel free to contact us through any of our channels for more information.



Final Event

The **Final Event** of CHAMELEON project took place in Crete, on May 14th.



During this event, the project results were presented, including demonstrations of the bundles, UAV developments, the CHAMELEON platform, stakeholder engagement, expert contributions, dissemination activities, and future directions for exploitation and sustainability. Valuable feedback was obtained for each aspect of the project.



We extend our **thanks to the audience of over 60 participants**, including more than 30 who attended in person. Among them were partners from the Consortium and the Sister Projects ICAERUS and SPADE, experts and representatives from DG AGRI and REA of the European Commission.

Demonstrations

The first demonstration was held in Cebreros, Ávila, as part of the Spanish pilot.

It focused on presenting the **agriculture and livestock bundles** developed in the project.

Following the technical and practical presentations, a discussion was held with end users, to assess the current applicability of these tools and identify opportunities for further enhancement. The feedback helped align the solutions more closely with practical needs in the field.



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The second demonstration in Spain took place in the city of Ávila, and focused on the **forest bundles** developed in the project.

The functionality of these bundles was demonstrated, and served as a starting point for dialogue on current challenges in wildfire risk prevention, firefighting operations, and post-fire landscape recovery.

[Read more](#)



[Read more about the Pilot in Spain](#)

Demonstrations



The Austrian demonstration was held in Vienna, and brought together experts from various ministries and organisations involved in **agriculture and forestry**.

The demonstration used an interactive format to encourage open discussion. Participants provided constructive feedback, combining positive evaluations with suggestions for potential improvement.

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[Read more about the Pilot in Austria](#)

The demonstration in Greece took place in Chania, Crete, and included several live sessions.

Attendees observed the drone and sensor systems in operation, followed by two flight demonstrations: one illustrating **livestock** monitoring capabilities, and another presenting the **aerial spraying** functions of the CHAMELEON UAV.

These demonstrations allowed participants to experience the technologies in action, and assess their relevance to real-world rural practices.

[Read more](#)



[Read more about the Pilot in Greece](#)

Conferences & Events

The CHAMELEON project participated in the **International Conference on Advanced Remote Sensing (ICARS 2025)**, held in Barcelona, Spain, from March 26th to March 28th.

This conference focused on innovations in Earth and environmental sciences, engineering, and practical applications in biology and agriculture. Sessions covered recent advances in sensor technologies, data acquisition, and analysis, highlighting their impact on climate change, environmental management, urban planning, ecosystems, agriculture, and infrastructure.

CHAMELEON's presentation was delivered by our Communication & Dissemination Manager, Diego González-Aguilera, and was titled: "Preventive, Predictive and Prescriptive Approach through Drone Technology: The Role of Digital Twins and Geospatial Intelligence in Wildfires and Floods".



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The project is being presented in a series of events from April to June 2025, including "**Praterfest**" (public holiday event on May 1st), and **17 primary schools** across Austria. These events are expected to reach more than 5000 children. The initiative aims to raise early awareness about the project's main objectives, while encouraging curiosity and active participation among young students.

During these school visits, our partner JOAFG introduced the main findings of CHAMELEON in an engaging and accessible way. To capture the attention of the young audience and help them better understand the benefits of using drones and satellites in rural areas, two tailor-made educational games were developed: the dice game, and the board game, both available in the **Communication Material** section of our website. These interactive tools allowed students to explore CHAMELEON's goals in a playful yet meaningful manner, reinforcing learning through hands-on experience.

[Read more](#)

CHAMELEON Open Calls

The sub-projects funded by the **CHAMELEON Second Open Call** have concluded, and a video presenting their outcomes has been released.

It can be accessed via the links below, or in the **Videos section** of our website.



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chameleonheu@gmail.com



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