



ENVISION is developing and piloting innovative tools for the continuous, large scale and uninterrupted monitoring of farm management activities with regards to sustainability, in compliance with the CAP's agri-environmental objectives.

Welcome to ENVISION #5 Newsletter!

Can you believe that the ENVISION project will come to an end after a 3-year journey? We may be proud of its successful outcome, but we will not stop there. We will continue to exploit its results and demonstrate our solutions, in order to support the development of sustainable agriculture through advanced Earth Observation solutions and practices.

Also, we would like to thank this incredible consortium for its collaboration and contribution! Without them, all that we've done wouldn't be the same!

DRAXIS ENVIRONMENTAL SA
Coordinator of the ENVISION project

ENVISION Complete System Rethink

🌟 Introducing the Future of Agriculture Monitoring! 🌍

Are you part of a Paying Agency or Certification Body in the dynamic world of European agriculture?

If so, we have the perfect solution for you!

🚀 We are at the forefront of technology, blending the best of Agronomy, ICT, and Earth Observation to create tailor-made solutions that cater to your specific needs. 🌐

Our cutting-edge services offer a robust and cost-efficient way to continuously and systematically monitor agricultural land. These solutions have been meticulously co-designed and co-developed, addressing the ever-evolving needs of the new Common Agricultural Policy (CAP). 📝

🌟 Why Choose Us? 🌟

🔍 **Increase in Effectiveness:** Our solutions bring about a substantial increase in the effectiveness of risk-based analysis for selecting farms for inspection. Say goodbye to random checks and hello to data-driven decisions!

🏆 **Enhanced Efficiency and Transparency:** We take pride in boosting the efficiency and transparency of Paying Agencies and Certification Bodies. It's a win-win for you and the stakeholders you serve.

🚫 **Fewer On-Site Visits:** We understand the value of your time and resources. By using our solutions, you can significantly reduce the number of on-site visits while still maintaining effective control.

💰 **Cost Savings:** At the end of the day, it's all about the bottom line. Our solutions are designed to reduce operational and administrative costs, allowing you to make the most of your budget.

🌱 Join the growing list of forward-thinking organizations that have already harnessed the power of our technology. Don't be left behind; be a part of the agricultural revolution!

📞 Contact us today to discover how our advanced technology and expertise can revolutionize your operations. Let's shape the future of European agriculture together! 🌿



[Contact us](#)

ENVISION Collaborates with NASA for International SPACE APPS Hackathon!

In a groundbreaking collaboration, the ENVISION project teamed up with NASA and CALLISTO for the International SPACE APPS Challenges Hackathon. This event brought together experts, developers, and enthusiasts from around the world, challenging them to innovate using free and open data from NASA and its Space Agency Partners.

The hackathon, which attracted a whopping 96 participants, was a significant milestone for the ENVISION project. It provided a unique opportunity to test, validate, and enhance the project's datasets and tools in real-world scenarios. The global attention garnered from collaborating with esteemed institutions like NASA further spotlighted the project's objectives and resources.

The challenge posed by the ENVISION and CALLISTO projects, titled "Services 4 CAP monitoring", was a highlight of the event. Participants were given access to a plethora of data from the projects, including in-situ data, EO-based products, satellite, and street-level imagery. The challenge's objective was to fuse data from multiple sources to extract a crop-type map for a sample area of Cyprus and then visualize the results on a web application. Impressively, one team rebuilt the ENVISION platform using the provided open-source platform code.

Key takeaways from the hackathon include:

🔗 The open-source nature of the ENVISION platform was pivotal, enabling participants to access, modify, and repurpose the code seamlessly.

🌐 The diverse datasets provided a rich foundation for participants, emphasizing the importance of data comprehensiveness and quality.

🌍 Real-world events like this hackathon offer invaluable feedback, revealing areas of improvement that might not be apparent in controlled environments.

Post-hackathon, the insights and innovative solutions presented have immensely benefitted the ENVISION project. The event not only validated the project's direction but also bolstered ENVISION's standing in the open-source developer community.



ENVISION testimonial



My name is Aušrius Kučinskas. I represent the National Paying Agency under the Ministry of Agriculture in Lithuania. As the Head of Direct Support Control Unit in this company, I am responsible for the advancement of remote sensing technologies and their practical use within the organization, while monitoring and ensuring the farmers comply with CAP AE-linked requirements.

After learning about the "Envision H2020" project, we decided to get involved in its activities, and it has been a decision we haven't looked back on. Envision's products and services have delivered significant added value, especially in the implementation of the CAP needs, offering a range of benefits that have transformed the way we operate.

The most impressive aspect of Envision's technologies is the accuracy and reliability of the algorithms' results, consistently reaching a remarkably high percentage. This level of precision is instrumental in minimizing errors and uncertainties in our decision-making processes. It is our belief that PAs are highly likely to embrace and extensively use these algorithms at the operational level for checking the implementation of requirements. Envision's solutions have made compliance monitoring more straightforward and reliable than ever before.

In conclusion, the "Envision H2020" project has been a transformative force in our organization and we are proud to be part of this journey. The remarkable benefits of sanctions prevention, reduced workloads, fewer on-site inspections, cost savings and enhanced crop management have had a profound impact on our operations. Envision's unwavering commitment to accuracy and reliability is commendable and we foresee a future where their algorithms becomes an organization standard for CAP compliance monitoring.

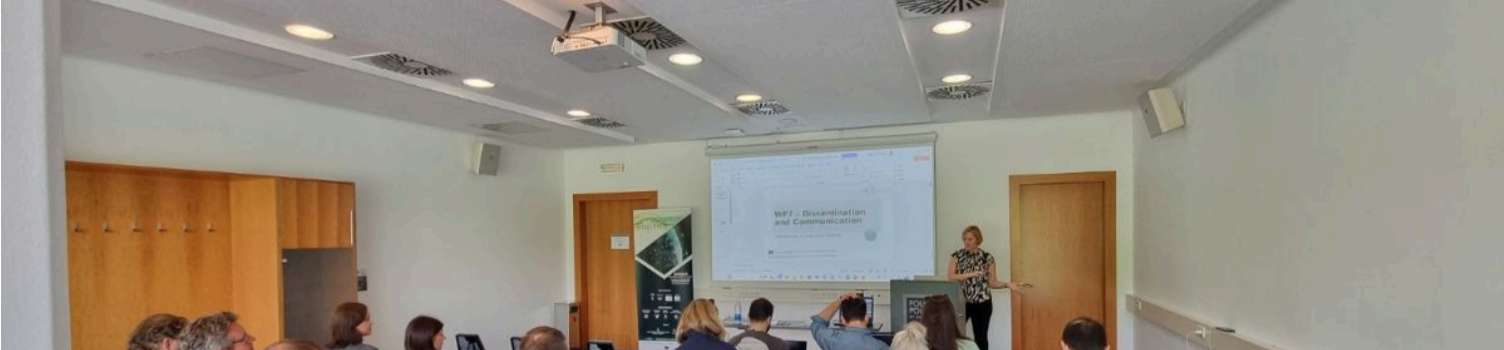
Aušrius Kučinskas,
National Paying Agency Lithuania

ENVISION at the Panta Rhei Conference

ENVISION project team was honoured and delighted to participate in the second Panta Rhei Conference (24th – 26th of May, 2023, Ljubljana, Slovenia) and co-organised a workshop with the SPACE4GREEN and MEF4CAP project.

The aim of the workshop was to present and discuss the solutions derived by the ENVISION, SPACE4GREEN and MEF4CAP projects that can support the current and future needs of CAP monitoring in the frame of an automated decision-making system.

ENVISION presented the results of several business cases, Lithuanian, Cypriot and Flemish Paying Agencies, regarding the services and tools they have used during the 2-year pilot implementation phase.



ENVISION Project meeting

The 3rd Project meeting was held in Ljubljana, Slovenia (25th of May 2023), to collect valuable feedback/ information with regards to several tasks and clarify/address issues that were of great importance for the second iteration of the pilot implementation phase, as well as exploitation aspects.



PROJECT PARTNERS

Organizations from 7 countries (Greece, Lithuania, Belgium, Cyprus, Serbia, United Kingdom and Slovenia) working together in the 3 years of the project duration. Join us on the journey of developing sustainable agriculture through advanced Earth Observation solutions and practices.



TIMELINE

September 2020 – November 2023



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info@envision-h2020.eu

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