



## "Harnessing Earth Observation for Sustainable Agriculture" "Challenges, Opportunities, and the Path Forward"

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**eurac**  
research



Institute of  
Atmospheric Pollution  
Research  
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European  
Commission



# Session Objectives

- Assess the long-term impact of the EO agri-projects.
- Highlight successes, challenges, and lessons learned.
- Explore innovative funding mechanisms and partnership models.
- Next steps for the Agriculture Action Group



# Engaging End-Users

- The gap between the digital transformation and the agricultural sector.
- Importance of co-designing with end-users for accurate data.
- Calibration and validation are crucial for application development.



# The Need for Collaboration

- The sooner we collaborate, the more resilient our projects become.
- Sharing results and experiences with experts enhances project outcomes.



# Data Challenges

- Importance of effective data management.
- Challenges in data sustainability and accuracy.
- The balance between big data and useful data.



## Session Layout

- **From Space to Field: Using EO Data to Combat Climate Crisis in Agriculture**

Dr Dimitrios Kateris (*STARGATE H2020 project*) (*IBO-CERTH*)

- **EO-Based Water Management in Agriculture: From Innovation to Practice**

Dr Anna Osann (*DIANA, COALA and REXUS projects*) (*AgriSat Iberia SL*)

- **Navigating Food Security Challenges in the Global South: The Essential Role of Earth Observation**

Dr Juan Suarez Beltran (*AfriCRS project*) (*GMV*)

- **Agricultural Insurance in the Era of EO: Innovations and Insights**

Mr Gregory Mygdakos (*BEACON H2020 project*) (*Karavias Underwriting Agency*)

- **APOLLO: Charting the Path from H2020 Project to Commercial Farm Management Solution**

Ms Dimitra Perperidou (*APOLLO H2020 project*) (*DRAXIS Environmental S.A.*)

- **Earth Observation for Soil Health and Sustainable Land Use Management**

Dr Irini-Xanthoula Pantazi (*SIEUSOIL H2020 project*) (*AUTH*)

- **Operationalizing EO for CAP Monitoring: Insights from a Paying Agency's Experience**

Mr Aušrius Kučinska (*NMA-Lithuanian PA*)



**Let's Begin!**