



When Space Technologies meet Agriculture

Fostering Interregional collaborations, investments and definition of users requirements

14 – 15 November 2016 (Matera, ITALY)

Venue: PALAZZO LANFRANCHI – Piazzetta Pascoli, 1

Monday 14th November

09.00 **REGISTRATION**

09.30 **OPENING SESSION** chaired by Roya AYAZI (NEREUS Secretary General)

Marcello PITTELLA (President of Basilicata Region)

Mark LESTER (NEREUS Vice-President)

Catharina BAMPS (European Commission – DG GROW)

Simon JUTZ (ESA, Head of Copernicus Office)

Roberto BATTISTON (ASI, President)

Antonio COLANGELO (Consorzio TeRN, President)

10.30 **SESSION 1 | Space Technologies for Agriculture**

Introduction

Luca BRAIA (Basilicata Region, Minister for Agriculture)

The European Common Agriculture Policy and Farmers' Perspective

Moderator: Teodora SECARA (EURISY Deputy Secretary General)

11.00 **The European Common Agriculture Policy (challenges, topics and users requirements)**

Flavio COTURNI (European Commission, DG AGRI – Head of Unit Agricultural Policy Analysis and Perspectives)

The farmers' and Agriculture public authorities perspective on their needs for innovation: The EU Smart Specialisation Platform for Agri-Food: how to accelerate joint investment projects in EU by supporting interregional cooperation in thematic areas based on S3 priorities

Fausta FABBRI (on behalf of ERIAFF Network - *Head of Unit "Advisory, training and innovation" at the DG Agriculture and Rural Development of Tuscany Region*)

Position paper on Remotely Piloted Aircraft Systems (RPAS) for agriculture

Daniel AZEVEDO (COPA COGECA, Senior Policy Advisor)

Presentation of White paper "Unmanned Aerial Vehicles (UAVs) for Agriculture: creating an invisible precision farming technology"

Mark JARMAN (Satellite Applications Catapult, United Kingdom)

12.15 **INTERACTIVE DISCUSSION WITH THE AUDIENCE**

13.00 **LUNCH BREAK**

14.00 **SESSION 2 | Space Technologies for Agriculture**

The Space Community Perspective

Moderator: Jean-Jacques TORTORA (Director European Space Policy Institute)

Impulse presentation | What can Copernicus do for farmers and for the European Agriculture Policy?

Catharina BAMPS (European Commission – DG GROW)

Simon JUTZ (ESA, Head of Copernicus Office)

How can Earth Observation make a difference for the Agriculture sector?

Valerio TRAMUTOLI (University of Basilicata, Chair of NEREUS EO/Copernicus WG)

15.00

INTERACTIVE DISCUSSION WITH THE AUDIENCE

15.30 COFFEE BREAK

Moderator : Daniele ROSSI (COPA COGECA Chairman of Working Party on Research and Innovation)

Impulse presentation | What can EGNOS/GALILEO and ICT do for farmers and for the European Agriculture Policy?

15.45

Gian Gherardo CALINI (GSA, Head of Market Development)

How can GNSS make a difference for the Agriculture sector?

Prof. Alessandro CAPORALI, University of Padova (Co-chair of NEREUS GNSS WG)

Presentation of « Connected Agriculture »

Stefano AGNELLI (EUTELSAT)

17.00

INTERACTIVE DISCUSSION WITH THE AUDIENCE

17.30 BROKERAGE EVENT for entrepreneurs and policy makers

19.00 END

20.30 NETWORKING SOCIAL DINNER

Tuesday 15th November

9.30

SESSION 3 | The Regional Perspective : Rural Development Programs and innovation needs for Agriculture

Moderator: Roya AYAZI (NEREUS Secretary General)

- Jerzy WIERZBICKI (FBZPR, COPA COGECA Task force on Agriculture technology)
- **Bavaria Region** (Dr. Jürgen VOGEL, bavAIRia e.V. - Bavarian Clustermanagement Aerospace) | Bavaria: How the use of space technologies supports innovation in agriculture, forestry and rural development
- **Wallonia Region** (Viviane PLANCHON, Centre Wallon de Recherches agronomiques) | Spatial information gives new ideas to manage fields in Wallonia
- **Galicia Region** (Manuel PARIS LESTON, Axencia Galega de Innovacion - GAIN) | An innovative UAV initiative with impact in Agriculture and Forestry in Galicia
- **Veneto Region** (Lorenzo Furlan, VENETO AGRICOLTURA, Manager Agricultural research sector) | Agricare project: innovative green farming)
- **Basilicata Region** (Vittorio RESTAINO, Basilicata Region Managing Authority of rural development programme) | The support of RDP of Basilicata Region 2014-2020 for agriculture innovation: tools, resources, opportunities for enterprises and research networks

11.30 COFFEE BREAK

11.45 **The innovation needs of National / Local and Regional Authorities in charge of controls on eligibility of farmers for EU aids in Agriculture**

- Dr. Francesco SOFIA, AGEA, Head of Managing and control integrated systems SIGC and information and technology systems
- Luca BIANCHI, Director General Department of competitive policies, agro-food quality, horse racing and fishing, Italian Ministry for Agriculture, food and rural policies
- Leonardo DI GIOIA (Puglia Region, Minister for Agriculture and Coordinator of Agriculture Commission, Italian Conference of Regions)

12.30 **INTERACTIVE DISCUSSION WITH THE AUDIENCE**

13.00 **LUNCH BREAK**

14.00 **BASILICATA Region Case**

Moderator: Raffaele LIBERALI (Basilicata – Board Member of NEREUS)

TeRN - Basilicata aerospace cluster: Space technologies in Agriculture, solutions for precision farming.

(Angelo Donvito, TeRN Consortium)

The use of Sentinel-2 for agriculture parcel monitoring, CAP eligibility and greening compliance
(Annalaura DI FEDERICO, e-Geos)

GNSS/GALILEO applications for Precision Farming (Francesco VESPE, ASI - Matera Space Geodesy center, Member of ESA/GALILEO Science Advisory Group)

Sustainable irrigation management strategy in semi-arid climate conditions in South Italy (Prof. Bartolomeo DICHIO, University of Basilicata)

Optical Remote Sensing for the retrieving of crop biophysical properties of agronomic interest (Dr. Nicola Pergola, Senior Researcher, CNR –IMAA)

Precision agriculture developments in Basilicata: ALSIA contribution (Francesco CELLINI, ALSIA, Director Metapontum Agrobios Research Center)

Climate change and crop-pest dynamics in the Mediterranean Basin (Luigi PONTI, ENEA, Research Scientist)

15.30 **Space2ID : An action to support internationalisation of space based SMEs**

David CONVERS, Aerospace Valley

Carmela CORNACCHIA, TeRN Constortium (CNR IMAA)

15.45 **COFFEE BREAK**

16.00 **Chair:** Roya AYAZI (NEREUS Secretary General)

Impulse statements from

(ERIAFF, COPA COGEGA, NEREUS, ESA, EC, Moderators from Session 1, 2 and 3)

OPEN DISCUSSION

16.30 **CLOSING REMARKS**

Marcello PITTELLA (Basilicata Region, President)

16.45 **END**