

## 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 COGECA, NEREUS, ESA, EC, Moderators from Session 1, 2 and 3)

**OPEN DISCUSSION**

16.30 **CLOSING REMARKS**

Marcello PITTELLA (Basilicata Region, President)

16.45 END