

## PRELIMINARY PROGRAMME

(updated 21 April 2021)

### 6 October 2021

**h 9.30** – Welcoming and registration

**h 9.45** – Opening remarks

**h 10.00 - 13.00**

#### **NEW REGULATORY AND DEVELOPMENT SCENARIOS FOR THE DRONES INDUSTRY**

*On 1 January 2021, the new European regulation issued by EASA for aviation safety came into force, regulating unmanned aircraft systems. For Italy, ENAC has issued the UAS\_IT, which takes on board the EASA provisions. What has changed and what impact will it have on the development of the sector? Let's make a point six months after its introduction.*

Invited:

**Stéphane Martin** - President of EASA

**Alessio Quaranta** - Director General of ENAC

**Francesca Isgrò** - President of ENAV

**Nicola Nizzoli** - President of ASSORPAS

**Marco Lovera** - Scientific Director of the PoliMI Drone Observatory

**h 14.30 - 17.30**

#### **THE ROLE OF DRONES IN NEW MOBILITY MODELS**

*Decarbonisation targets are forcing a change in mobility and creating the conditions for the development of products and services that simplify the transport of people and goods.*

*Research and technological innovation are making drones the cornerstone of change. Regulatory adaptation and infrastructure development will allow drones to interact in the airspace, but development must also take into account social acceptability.*

Invited:

**Nicola Zaccheo** - President of Transport Regulation Authority

**Chiara Appendino** – Mayor of the Municipality of Turin

**Massimiliano De Martin** - Councillor for the Environment of the Municipality of Venezia

*Representatives of logistics operators*

*Representatives of Italian and foreign companies*

## 7 October 2021

**h 9.30** – Welcoming and registration

**h 9.45** – Opening remarks

**h 10.00 - 13.00**

### **DRONES AND AGRICULTURE - BENEFITS AND REGULATORY BARRIERS**

*The National Action Plan (NAP) for the sustainable use of phytosanitary products regulates the use of phytosanitary products in order to protect man and the environment. The NAP, which is currently being revised, reiterates that the use of drones for the distribution of phytosanitary products, which is formally prohibited, can only be allowed with possible derogations exceptionally issued by the Regions or Autonomous Provinces. The European Community, however, confirms the need to introduce technologies suitable for the development of precision farming, and in this context remotely piloted vehicles are playing an increasingly important role, enabling precision operations and limiting the dispersion of the product in the environment. What is the state of the art and what changes are required to comply with European legislation?*

Invited:

**Stefano Patuanelli** - Minister of the Ministry of Agriculture, Food and Forestry

**Chiara Corbo** - Director of the Smart AgriFood Observatory of PoliMi

**Ettore Prandini** – National President of Coldiretti

**Marcello Chiaberge** - Pic4Ser

*Sector companies*

*End-user companies*

**h 14.30 – 17.30**

### **DRONES, AN EFFECTIVE AND FAST INTERVENTION TOOL FOR ENVIRONMENTAL MONITORING**

*Environmental Monitoring Plans (EMPs) aim to verify compliance with the conditions and requirements prescribed by the local environmental authorities. Thanks to proper environmental monitoring, it is possible to measure the environmental impact of an industrial plant or a large public work.*

*Drones now play a key role in the field of ecological monitoring, making it possible to assess the state of ecosystems and the presence of pollutants more quickly and accurately. They can be used to monitor vast areas and reach places that are usually inaccessible to humans.*

*Which results have been achieved and what will be their future use considering the technological development and the objectives imposed by the ecological and digital transition?*

Invited:

**Lorenzo Marconi** - UniBo

*Representatives of ARPA, VVdF, CNR, Legambiente, State Forestry Department, PoliTo, Sector companies*

## 8 October 2021

**h 9.30** – Welcoming and registration

**h 9.45** – Opening remarks

**h 10.00 - 13.00**

### **DRONE IMAGE ACQUISITION - WHO ARE THE PROFESSIONALS USING DRONES AND WHY**

*Using advanced sensors and imaging capabilities to capture aerial images, drones become valuable tools for many jobs, reducing costs and time and ensuring operator safety. Surveyors and architects can carry out land reconstructions simply by flying over an area of interest with a drone. Photographers, instead of hiring expensive helicopters, can now achieve the same effects with a drone; videomakers can shoot weddings or action scenes from a drone; farmers can turn aerial photos into a diagram illustrating the health of farmland. The maintenance of infrastructures and cultural assets is also evolving and becoming more efficient thanks to drones and integration with 3D, and for the public administration it is becoming an indispensable tool for monitoring the territory.*

Invited:

*Representative of a Public Administration - Video surveillance and territorial monitoring*

*Representative of National Fire Brigade - Infrastructure monitoring*

*Representative of PIC4SER - Images for navigation and AI*

**Francesco Guerra** – Chairman of the Scientific Committee of SIFET - Indoor imaging for cultural heritage

*Videomaker - New shooting techniques*

*Sector companies*