

# Drones4Safety & Labyrinth Final Results

Drone technology to enhance transport safety

**MAY 22nd – Brussels**

EUROCONTROL venue,  
Rue de la Fusée 96, 1130 Brussels



These projects have received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement numbers: 861696 (LABRINTH), 861111 (Drones4Safety)



**DRONES4SAFETY**



**LabYrinth**  
Ensuring drone traffic control and safety

## AGENDA

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### MONDAY 22 MAY

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#### **13.30 – 14:00 Registration**

#### **14.00 – 14.15 Welcome & introduction**

14.00 – 14.05 Project Officer welcome

14.05 – 14.15 EUROCONTROL welcome

#### **14.15 – 15.45 Drones4Safety**

14:15 – 14:25 Project overview. *Emad Samuel Malki Ebeid, University of Southern Denmark*

14:25 – 14:40 Automated recharging from AC/DC-lines. *Fraunhofer, SDU*

14:40 – 14:50 Swarm system. *Aarhus University*

14:50 – 15:00 AI for bridge/railway inspection. *Alteia*

15:00 – 15:15 Bridge Use Case. *EUcentre*

15:15 – 15:25 Railway Use Case. *Neat*

15:25 – 15:35 U-space and regulation consideration. *Deep Blu, EUROCONTROL*

15:35 – 15:45 Cost model consideration. *Alteia*

#### **15.45 – 17.15 Labyrinth**

15:45 – 15:50 Project overview, results introduction. *Luis Moreno, University Carlos III Madrid*

15.50 – 16.05 Technology – Multidrone Path Planning control. *Luis Moreno, University Carlos III Madrid*

16.05 – 16.20 Technology – Communications. *José Manuel Majón, Telefónica ID and Paco Valera, University Carlos III Madrid*

16.20 – 16.35 Technology – Cybersecurity. *Shaaban Abdelkader, Austrian Institute of Technology - AIT*

16.35 – 16.50 Technology – U-Space and GSC System. *Andreas Hasselberg, German Aerospace Center - DLR*

16.50 – 17.05 Tests and use cases, *Rubén García, Arquimea*

17.05 – 17-15 Standardization & Regulatory issues, *Josef Saurer, Deutsches Institut fuer Normung – DIN, and Ana Gomez Arche, PONS Mobility*

**17.15 – 17.30 Conclusions**

**17.30 – 18.30 Showcasing & Networking cocktail**

## THE ORGANISERS



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