

# Welcome and introduction

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# Welcome to the second AW-Drones workshop!!!

“Technical standards to support U-Space implementation in Europe”



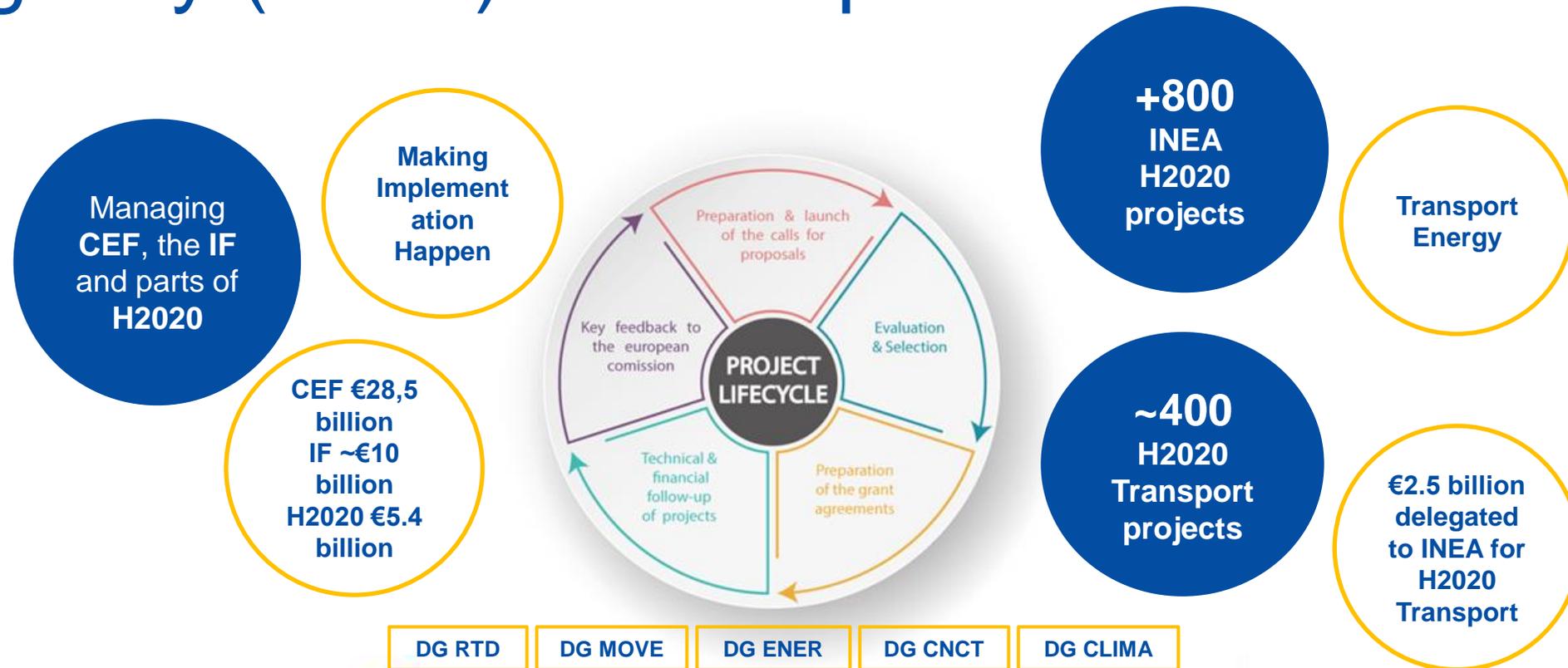
AW-Drones is a **3-years** Coordination and support action (CSA) funded under the EU H2020 program.



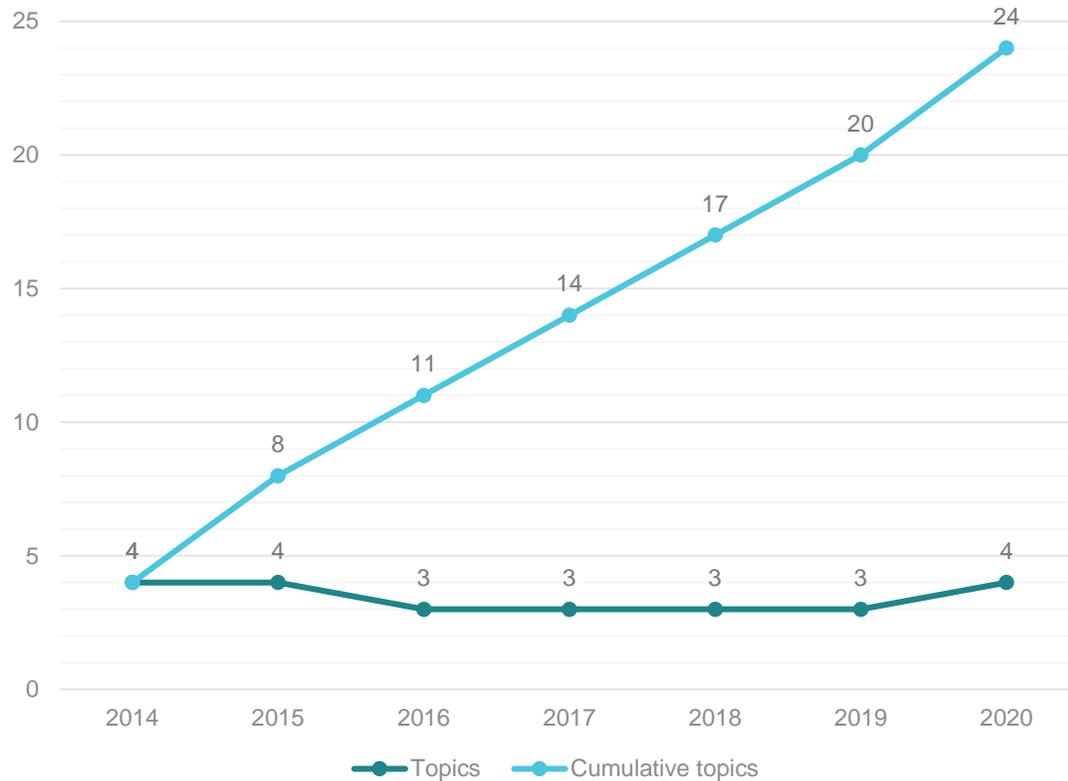
This project has received funding from European Union's Horizon 2020 Research and Innovation Programme under Grant Agreement No°824292.



# The Innovation and Networks Executive Agency (INEA) in a snapshot



# INEA H2020 Aviation – Topics



# INEA H2020 Aviation – Brochures



## Safe and green aviation in Europe

The role of the Innovation and Networks Executive Agency

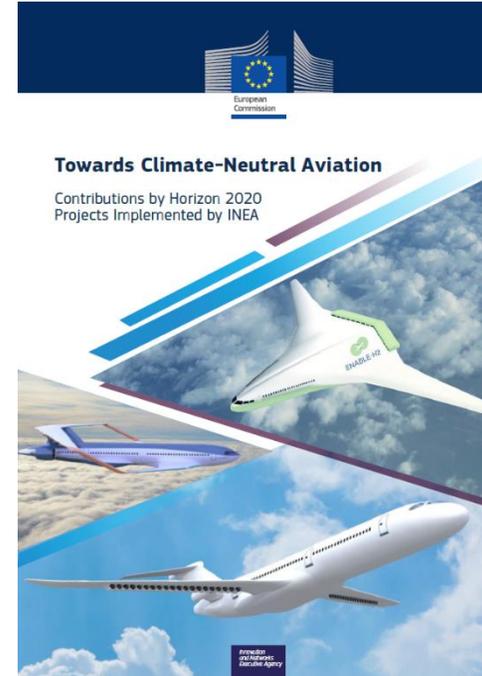
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## HORIZON 2020 COLLABORATIVE AVIATION RESEARCH

Project contributions to the Flightpath 2050 goals

Innovation and Networks Executive Agency



## Towards Climate-Neutral Aviation

Contributions by Horizon 2020 Projects Implemented by INEA

Innovation and Networks Executive Agency



# Drones: an opportunity for Europe



## European Drones Outlook Study

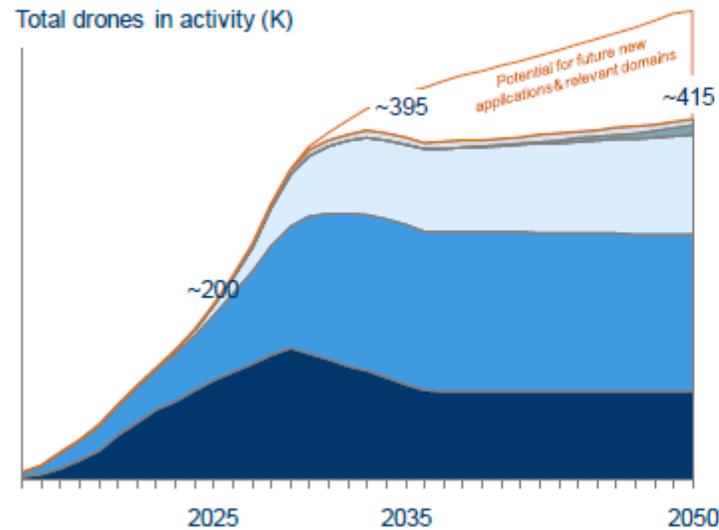
Unlocking the value for Europe



November 2016



Evolution of drone demand – view through 2050



Source: SESAR European Drones Outlook Study

Split between 'certified' and other, primarily 'specific', drones under EASA framework

	2035		2050	
	Specific	Certified	Specific	Certified
Others - tethered	--	~5	--	~5
Unmanned aviation	--	<1	--	~10
Long endurance surveying	--	<1	--	<1
BVLOS with light load <sup>1</sup>	~95	--	~115	--
BVLOS surveying <sup>2</sup>	~185	--	~180	--
Localized VLOS surveying <sup>3</sup>	~110	--	~100	--
<b>Total</b>	<b>~390</b>	<b>~5</b>	<b>~400</b>	<b>~15</b>
<i>excl. tethered</i>	<i>~390</i>	<i>~1</i>	<i>~400</i>	<i>~10</i>



# INEA H2020 Drones – R&I portfolio

1 finished projects:

- [MONIFLY](#) (RIA)

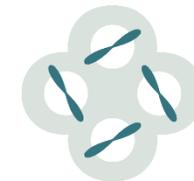


5 ongoing projects:

- [AW-Drones](#) (CSA)
- [5D-Aerosafe](#) (RIA)
- [Drones4Safety](#) (RIA)
- [LABYRINTH](#) (RIA)
- [RAPID](#) (RIA)



**DRONES4SAFETY**



**rapid**

2 closed calls on Urban Air Mobility:

- [MG-3-6-2020](#): Towards sustainable Urban Air Mobility (RIA)
- [MG-1-12-2020](#): Prepare for the deployment of Urban Air Mobility in urban and peri-urban areas (CSA)

- What about the first workshop?
  - 1<sup>st</sup> Workshop held in EUROCONTROL, Brussels: **“Drone Operations in the Specific Category”**



*September 2019... one century ago*

# Ok, we cannot meet and greet but...

- We can host a wider audience (300+ joining today... Thank you!)
- You do not need to travel and produce CO<sub>2</sub>...
- ...and you can wear your pijamas and slippers!
  
- Before you ask: no, we cannot (yet) deliver coffee at breaks, but we are working on this...



<http://www.coffeemuseum.com/blog/2017/10/03/drone-coffee-delivery-yes-exists/>



- Provide an overview of the AW-Drones project
- Present the preliminary results of:
  - Standards collection and classification
  - Mapping with U-Space requirements
- Gather feedback to steer future activities and align them with stakeholders expectations



- Awareness about U-Space **regulatory** state of the art in Europe
- Awareness about global on-going drone **standardization** activities
- Insights on the **R&D Roadmap** for the U-Space services in Europe
- Early access to the results of the AW-Drones survey on **operators' perspective of SORA**
- Know more about the “**Drone Standards Info Portal**”



- Make yourselves comfortable and **enjoy the day**
- You can ask questions **whenever** during the webinar, please use the appropriate GoToWebinar functionality (unfortunately voice questions not allowed because of the numbers)
- Questions will be answered at the end of each presentation or at the end of the day. They will be **anonymized** and published on the website
- Material (presentations, charts, etc.) will be made **freely available**, so no need to take pictures of the screen or furiously take notes
- If questions come to your mind after the webinar, do not hesitate and **drop us a line**



<b>09.30-09.45</b>	<b>Welcome &amp; Introduction</b>   Vladimir Cid-Bourié – INEA, Project Officer and Damiano Taurino – AW-Drones Coordinator
<b>09.45-10.15</b>	<b>AW-Drones overview</b>   Marco Ducci – AW-Drones Deputy Coordinator
<b>10.15-10.30</b>	<b>U-Space EU regulatory framework</b>   Nicolas Eertmans – European Commission, DG Move
<b>10.30-10.45</b>	<b>U-Space R&amp;D perspective</b>   Andrew Hatcly – Eurocontrol
<b>10.45-11.00</b>	<b>U-Space standardization activities</b>   Christian Schleifer – EUSCG
<b>11.10-11.30</b>	<b>Break</b>
<b>11.30-12.00</b>	<b>AW-Drones assessment of U-Space standards</b>   Andres Van Swalm – AW-Drones
<b>12.00-12.30</b>	<b>AW-Drones survey results: the operator's perspective of SORA</b>   Peter van Blyenburgh – AW-Drones
<b>12.30-13.00</b>	<b>Interactive session and wrap-up</b>





<https://www.aw-drones.eu/>



- Full data upload and validation of the Drone Standards Information Portal (end of 2020)
- Publication of the meta-standards for U-Space (beginning of 2021)
- Survey on U-Space (Spring 2021)
- Standards to support CS-Light UAS (end of 2021)
- Final event and project closure (end of 2021)
- The Drone Standards Information Portal will be continued after the end of the project
- Please stay tuned and...



# Thank you!

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