

EU DRONE DAYS
IMPLEMENTATION OF U-SPACE IN SPAIN

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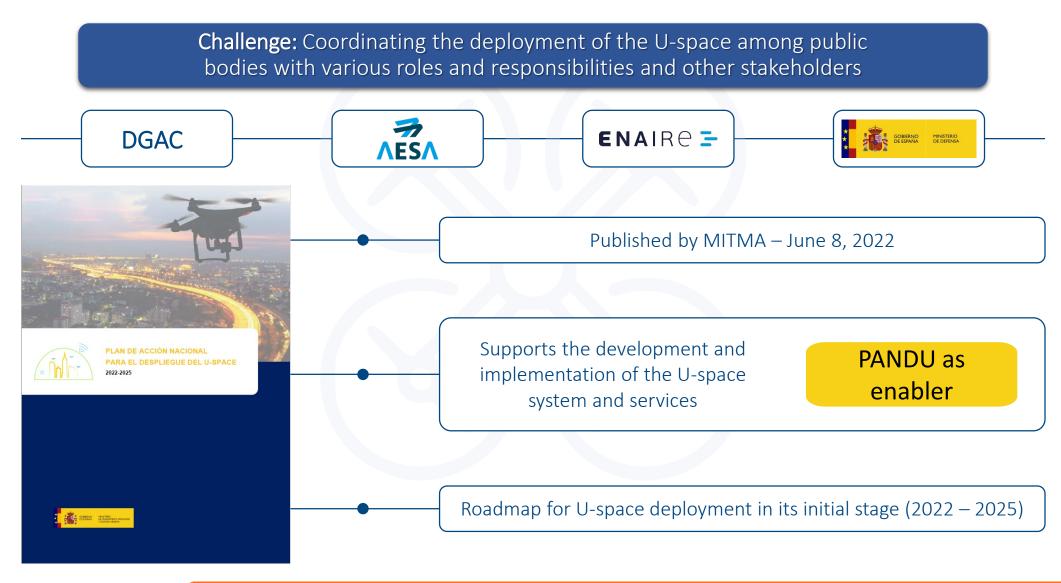
NOVEMBER 30<sup>th</sup>, 2022, BRUSSELS







## A Plan for the implementation of the U-space in Spain (PANDU)



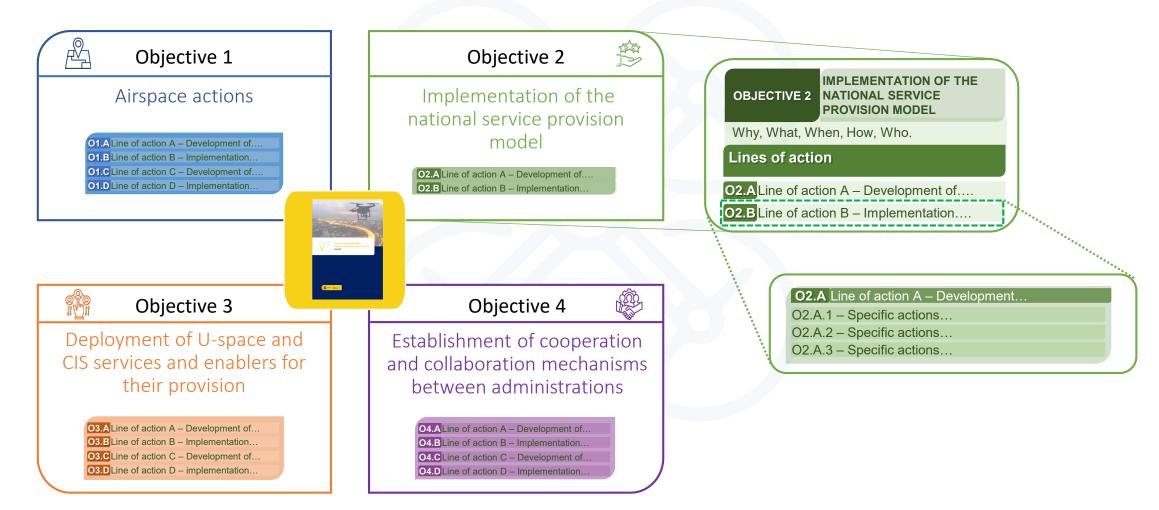






## A Plan for the implementation of the U-space in Spain (PANDU)

PANDU sets out four <u>objectives</u>, arranged into <u>lines of action</u> and <u>specific actions</u>:

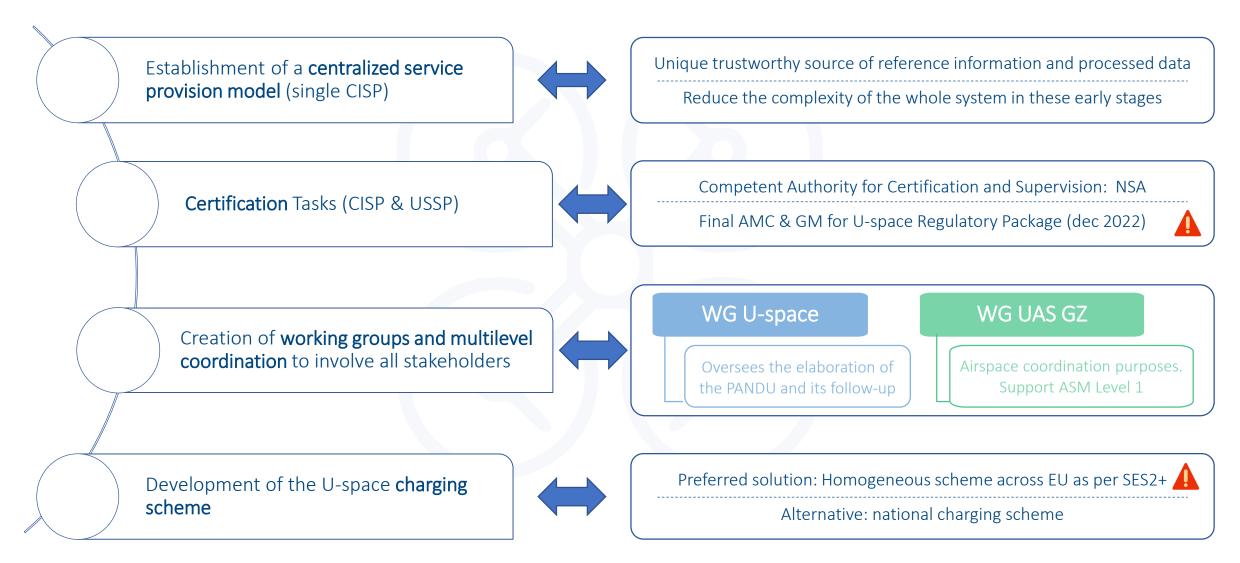








## Main features of the Spanish U-space deployment (regulator point of view)









## Airspace working methods

Layers of Governance: Coordination among multiple actors

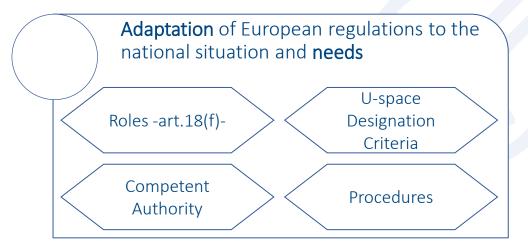
## 1<sup>st</sup> Level 2<sup>nd</sup> Level WG UAS GZ 'UAS GZ & U-space Ministerial departments designation' Regional and local administrations MoD

3<sup>rd</sup> Level Other entities and stakeholders

• Define and disseminate the general Top Down → policies, criteria and procedures.

Bottom Up ←

- Gather and stream up feedback and initiatives.
- Promote social acceptance through open surveys for general public and other means.



**Complexity** of Coordination Mechanism with regard to **national** bodies structures. **END December** 26 Jan 2023 AMC & GM U-space 2022 | 2023

Significant changes in Final AMCs & GMs will trigger a full revision of preliminary working methods







## Work in progress

From the beginning, the stakeholders, regulator, supervisor, Ministry of Defense and suppliers, have been involved to respond to these new and incremental challenges:

## Dissemination of the U-space concept: Ad-hoc brochure & other initiatives with key aspects and potential benefits

#### Coordination mechanisms:

Assign roles -Art.18.f)- and coordination among different levels

### U-space airspaces designation process:

Application, evaluation, approval & publication

#### CIS & U-space Service Providers:

Certification & designation

## Next Challenge:

Designate the 1<sup>st</sup> U-space airspace

## Keep on working!



# THANK YOU!

