



# EU Drone Days

**Launch of the  
European Drone Strategy 2.0**

**SESAR U-space Showcase**

**Brussels, 29-30 November 2022**



**#EUDroneDays**



# U-ELCOME

We take off together



**EU Drone Days**  
Brussels, 29-30 November 2022



# U-ELCOME

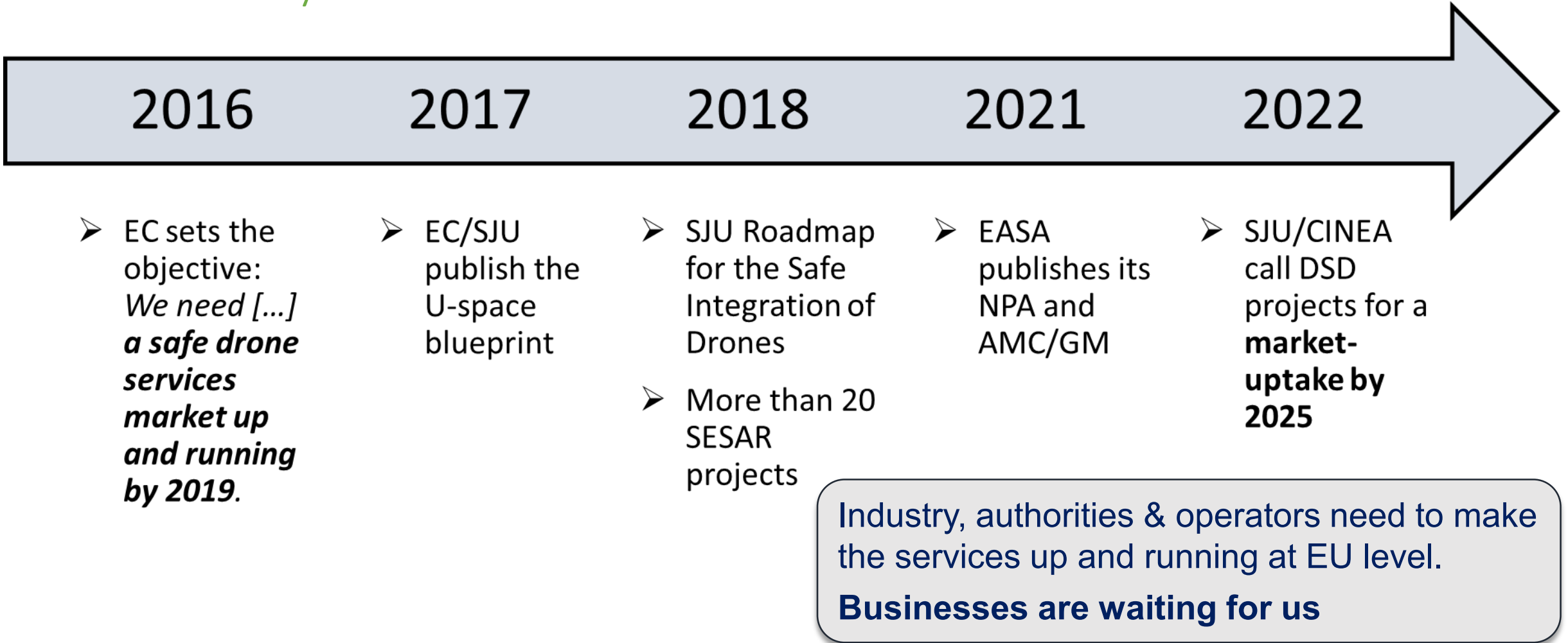
In a nutshell





# U-ELCOME

## A bit of history



# U-ELCOME

Making a difference compared to the past

## Now

- ☐ Research-oriented with ER and VLDs projects
- ☐ Developing prototypes
- ☐ Communicate with the local authorities



2016-2022

## U-ELCOME

- ☐ Business-oriented
- ☐ Deploying functional ecosystem
- ☐ Work with local authorities



2023 - 2025

## Future

- ☐ Exploitation-oriented
- ☐ Full operational ecosystem
- ☐ Guidance material with solid Reg & Standards



>2025





# U-ELCOME

The market uptake of U1/U2 services



**Demonstrations in 3 European countries**



**Interoperability**



**Targeting U1/U2 maturity levels TRL7/TRL8**



**Live operational environments**

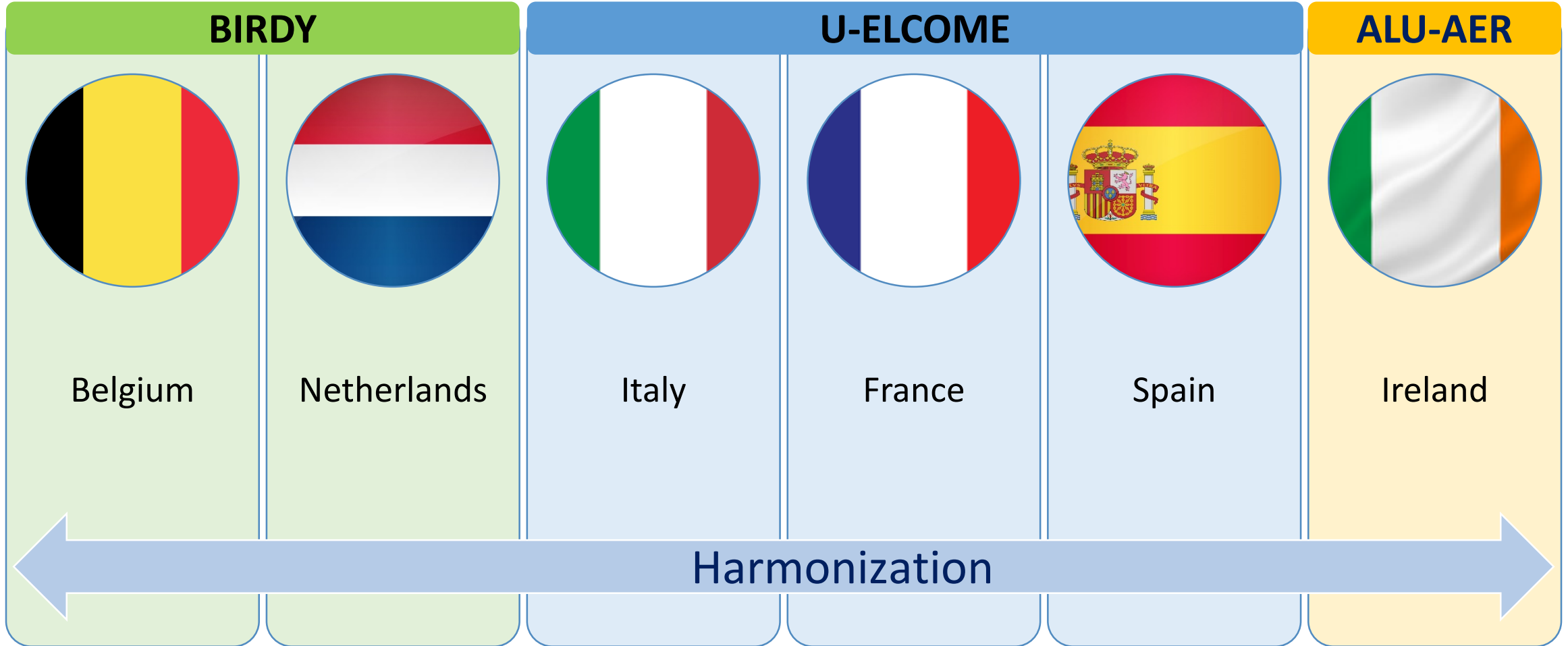


**Extrapolation to all over Europe**



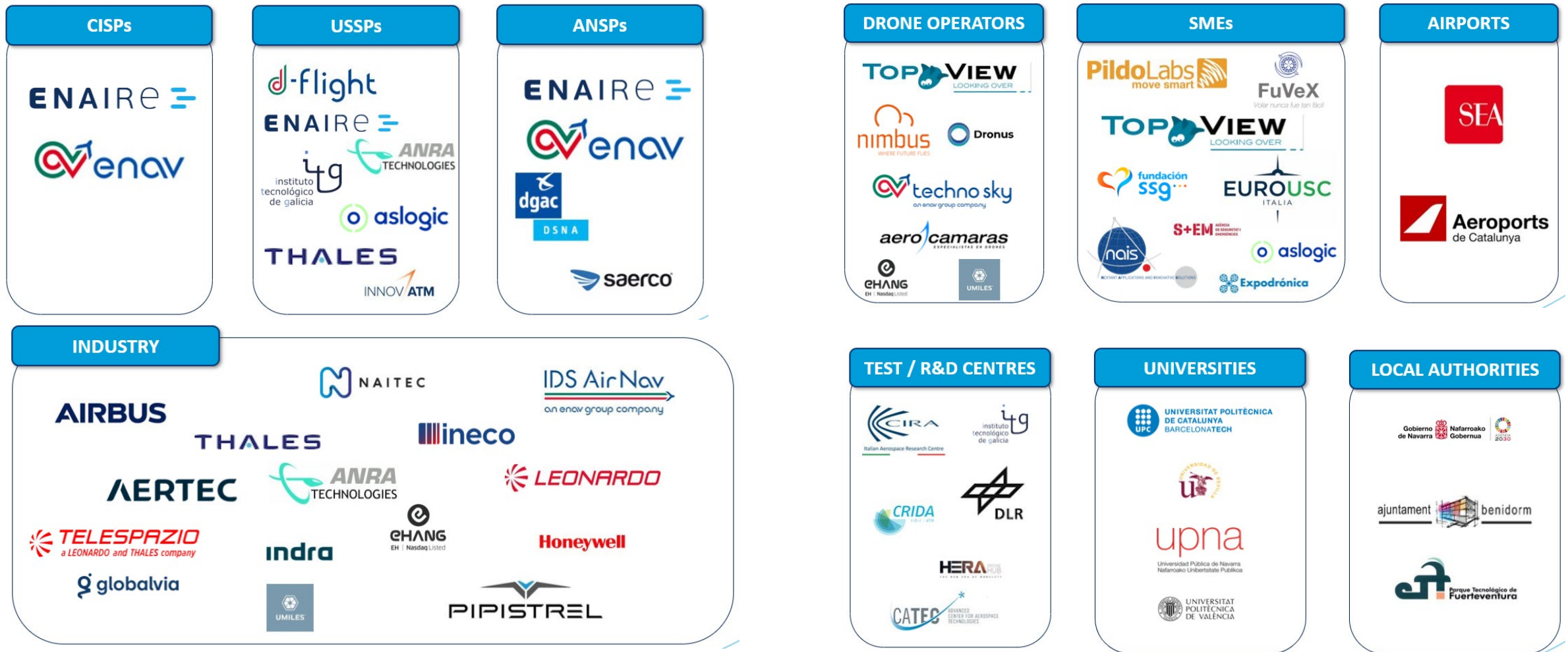
# U-ELCOME

A strong support to EU harmonization



# U-ELCOME

A European team to succeed



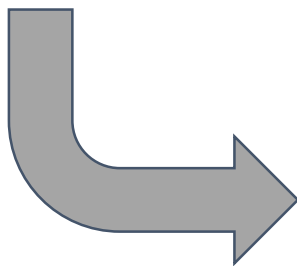
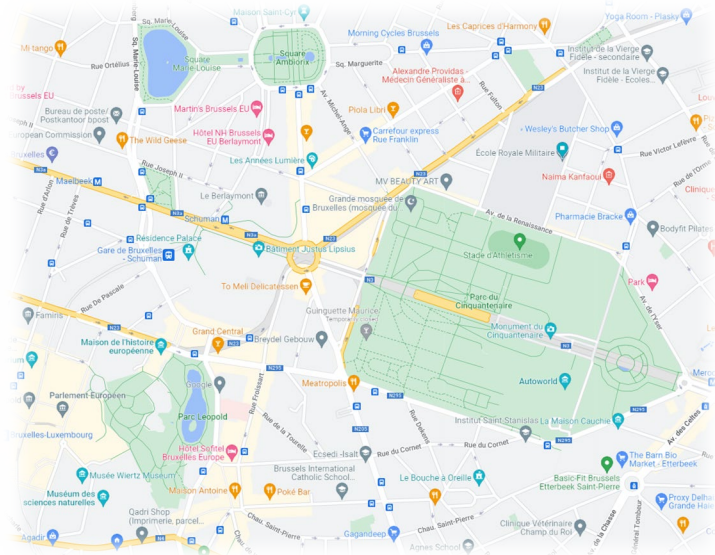
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# U-ELCOMÉ

## A sustainable vertical development



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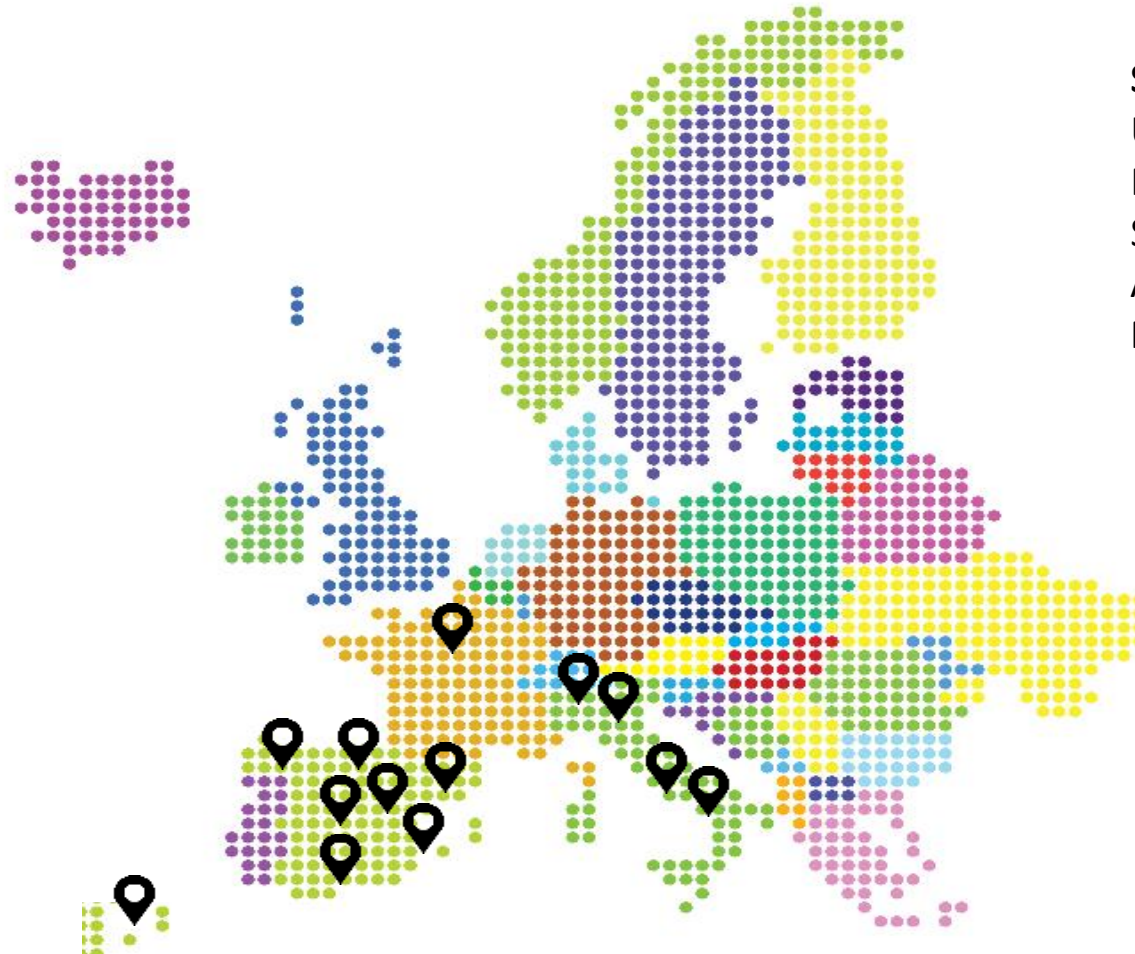




# U-ELCOME

## Multiple sites

| EU Nation | City   |
|-----------|--|
| France    | <ul style="list-style-type: none"><li>• Brétigny LF-R333</li><li>• Saint Quentin en Yvelines (5 sites)</li></ul>   |
| Spain     | <ul style="list-style-type: none"><li>• Navarra</li><li>• Catalonia Region</li><li>• Madrid</li><li>• Seville &amp; Jaén</li><li>• Zaragoza</li><li>• Fuerteventura (Canary Islands)</li><li>• A Coruña</li><li>• Valencia</li></ul> |
| Italy     | <ul style="list-style-type: none"><li>• Milan</li><li>• Venice</li><li>• Rome</li><li>• Naples</li><li>• Others</li></ul>  |



### Several Environments

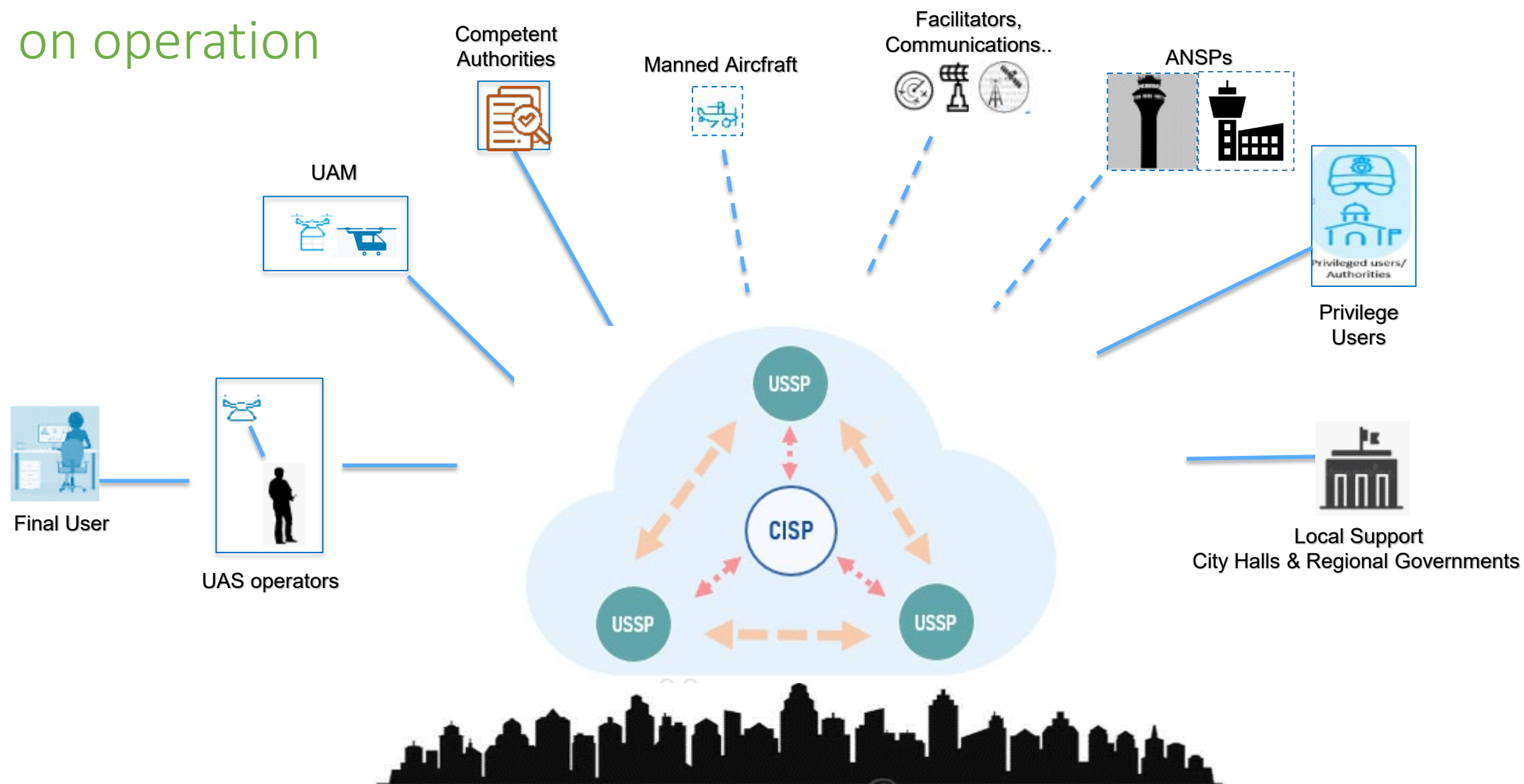
Urban  
Rural  
Sub-urban  
Airport surrounding  
Port surrounding

- Other locations might be possible during the project



# U-ELCOME

Focused on operation



# U-ELCOME

## A large spectrum of businesses



Goods & cargo delivery



Emergencies



Surveillance & inspections



People rescue



Medical parcel delivery



Media



Support to first aid operations



People Air Transport





# U-ELCOME

## UAS

Capabilities  
Avionics  
MTOMs  
Other technical  
characteristics...

## USSPs

Capabilities  
&  
Technical  
characteristics

## CNS

Performances  
GNSS  
&  
Technical  
characteristics

## AERONAUTICAL INFORMATION

NOTAMS  
&  
Others

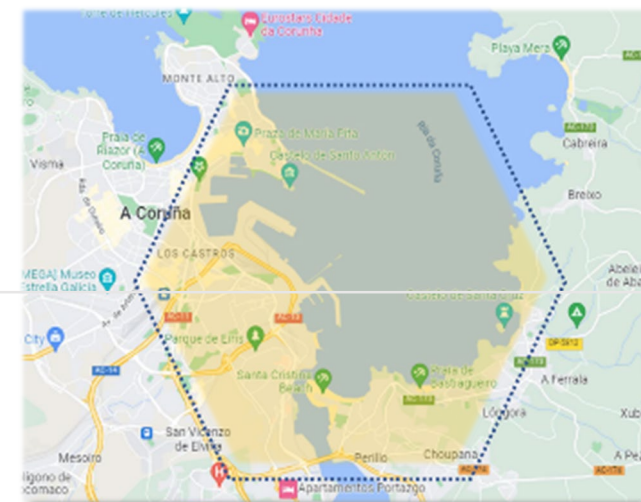
## TYPE OF ENVIRONMENT

Flight area  
characteristics  
Risk level  
Weather data

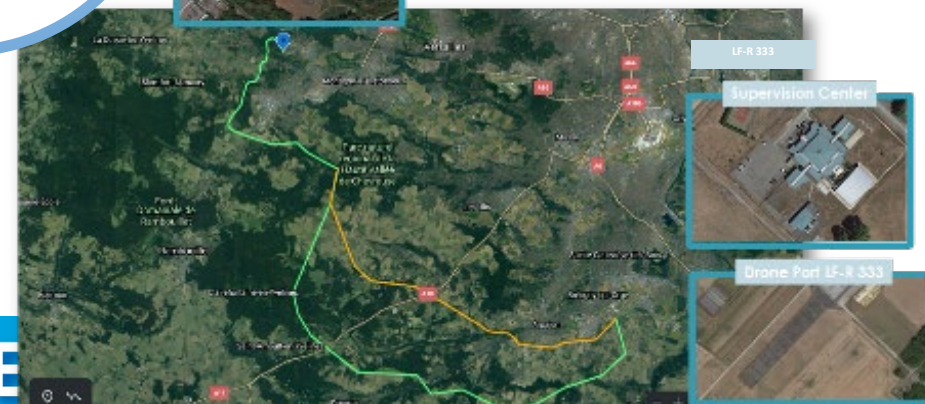
## GROUND

Population density  
Geographical zones  
obstacles...

## U-space Airspace Volume in A Coruña



## U-space Airspace Volume in Rome

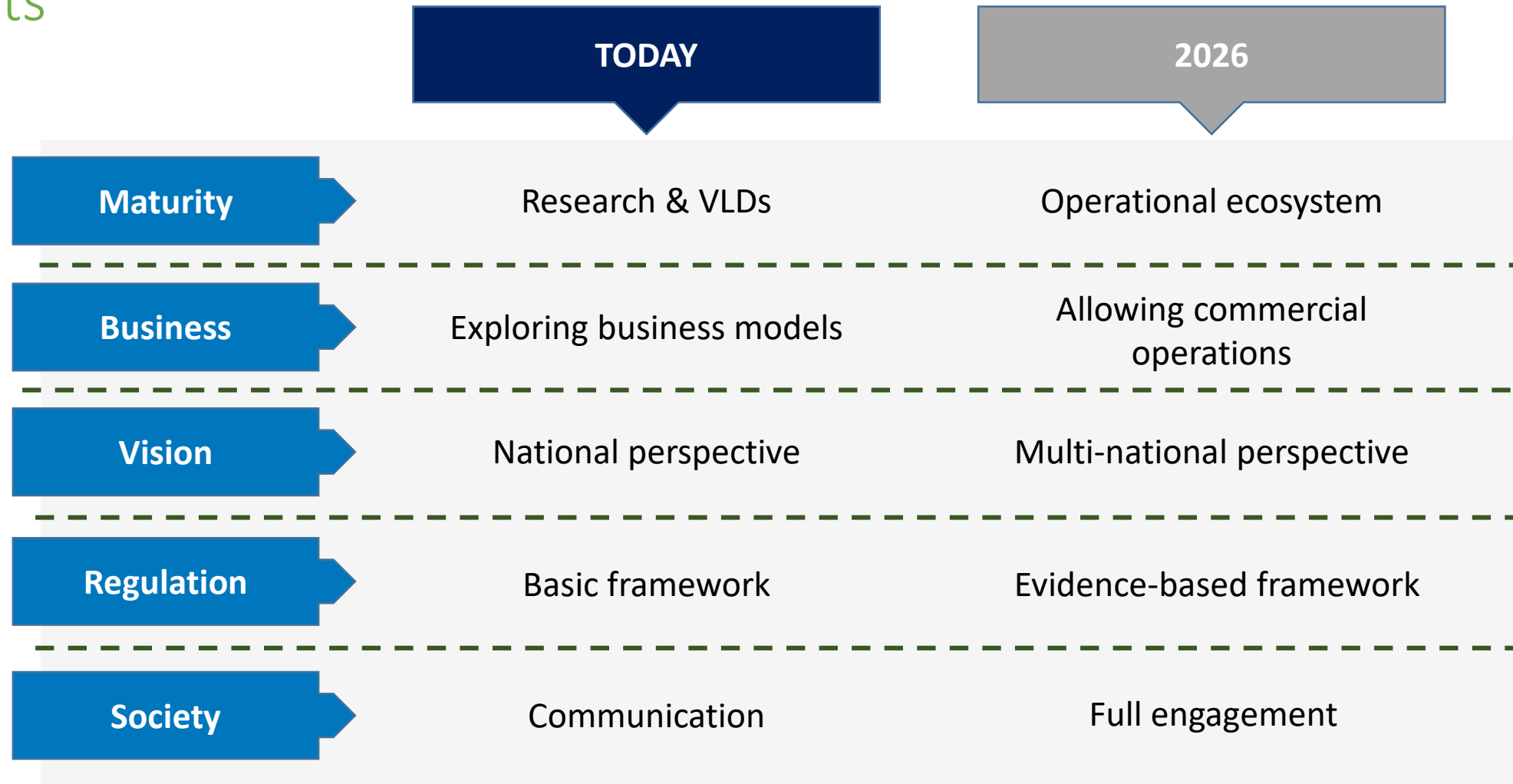


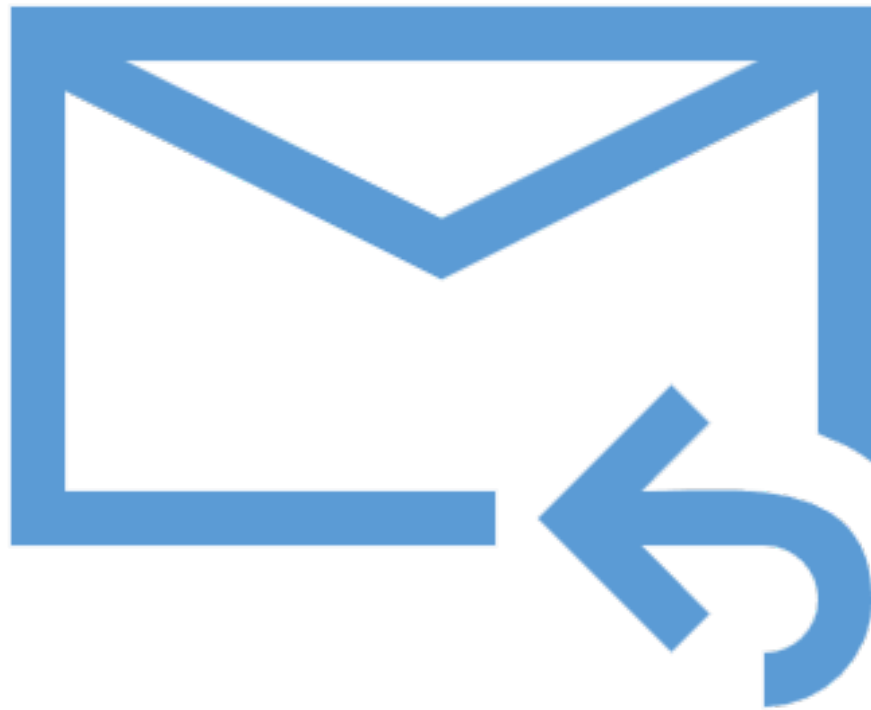
## Long range corridors in Ile de France



# U-ELCOME

## Benefits





## Contact us

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- You can already find us on LinkedIn :
  - [www.linkedin.com/company/u-elcome-dsd-project/](https://www.linkedin.com/company/u-elcome-dsd-project/)



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