

POLIS
CITIES AND REGIONS FOR TRANSPORT INNOVATION

ANNUAL
CONFERENCE
2022

30 November
1 December, 2022
Brussels, Belgium



#POLIS2022

AURORA – Integrating Urban Air Mobility in our cities

5C. Urban Air Mobility TRAINING - Deep dive into urban airspace



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Project Officer

European Passengers' Federation

This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 101007134.

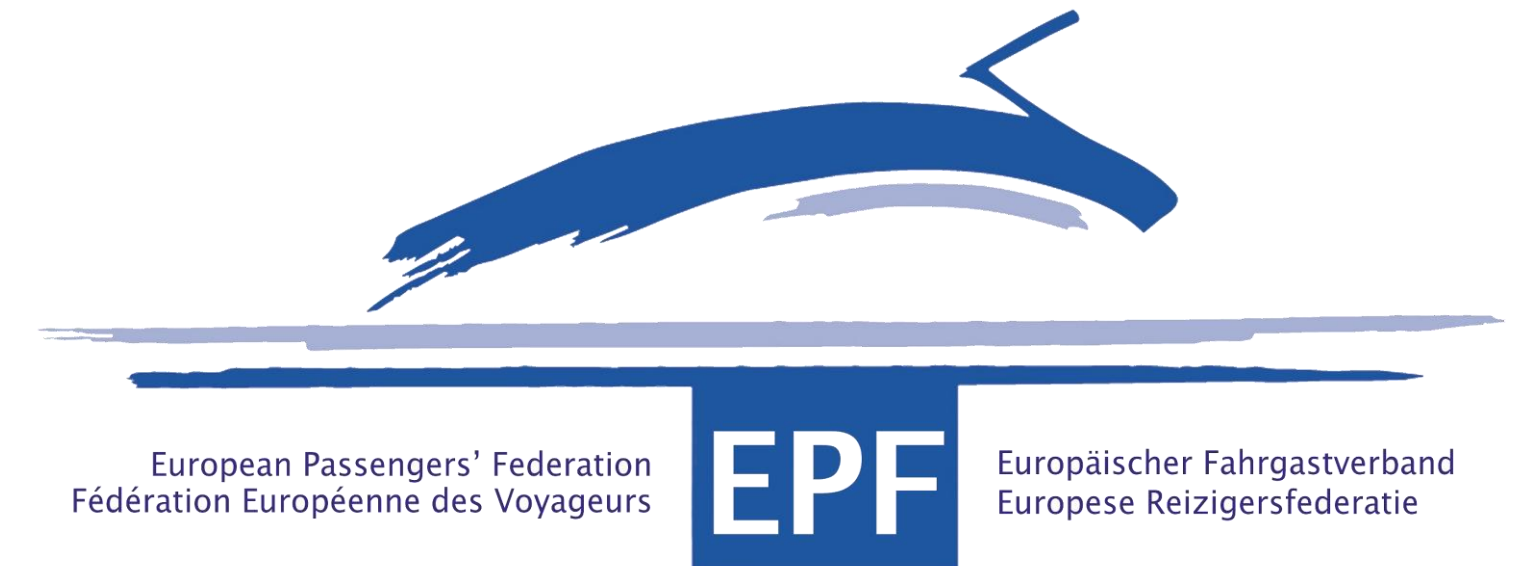
European Passengers' Federation (EPF)

We are the voice of public transport users in Europe.

- 39 member non-governmental organisations
- 21 countries
- All modes: rail, road, waterborne, air

EPF's main objectives:

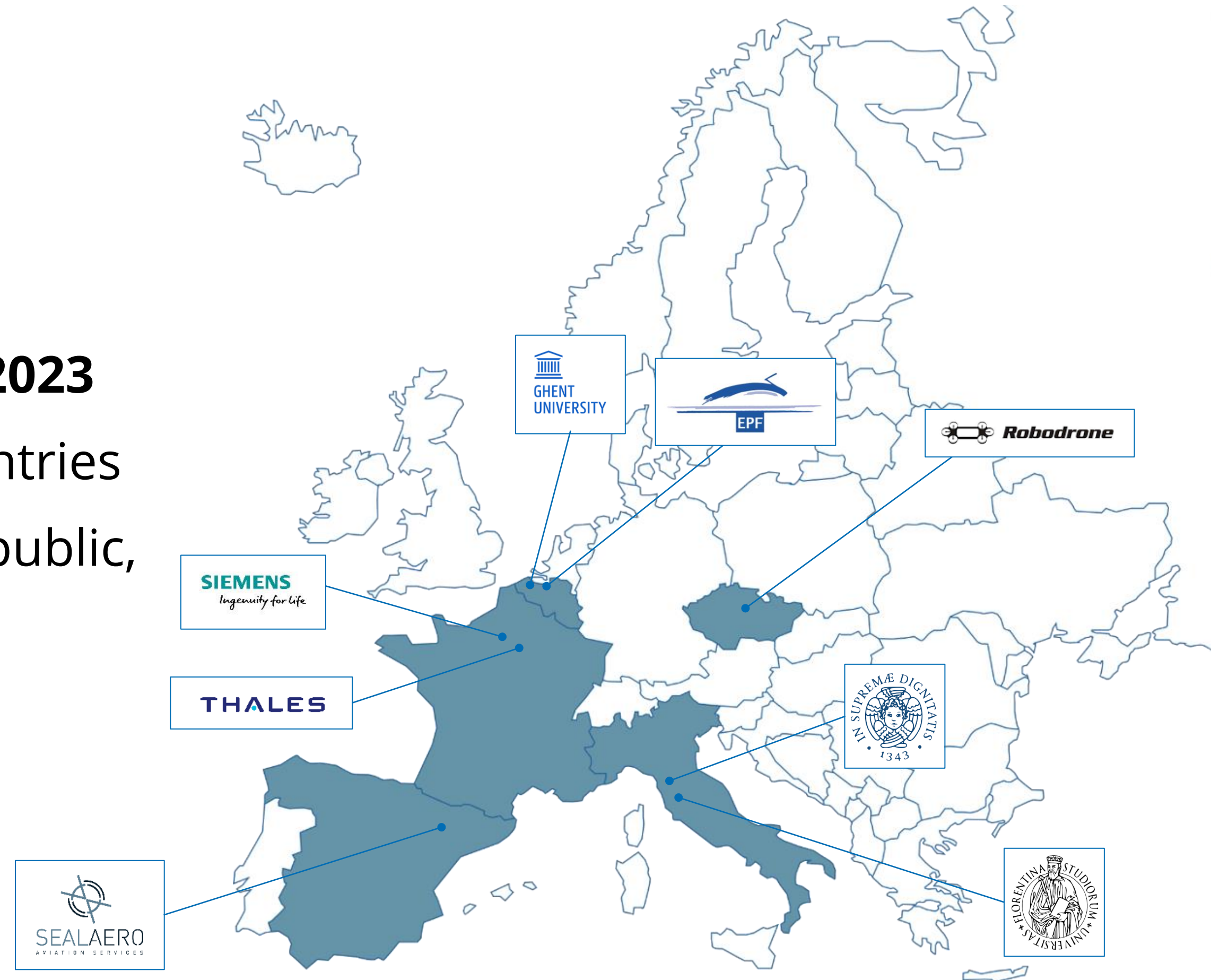
- Represent passengers' views at European level
- Strong passenger rights
- A better (multi-modal) travel experience
- Tackle transport poverty
- Put end-users at the centre when new mobility services are developed



AURORA

Safe Urban Air Mobility for European Citizens

- H2020 project from **2020-2023**
- **8 partners** from 5 EU-countries
- **3 demos:** Spain, Czech Republic, and Italy



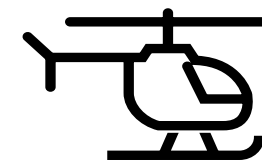
Why AURORA?



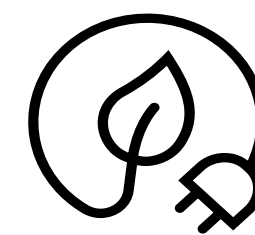
Urban Air Mobility (UAM) offers a promising opportunity to mitigate congestion in cities by taking urban mobility to the third dimension – the airspace. AURORA aims to foster the adoption of UAM by making it more safe, secure, green, quiet and showing its benefits for society.



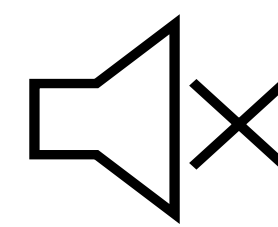
Safer



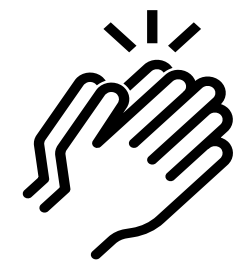
More
secure



Greener



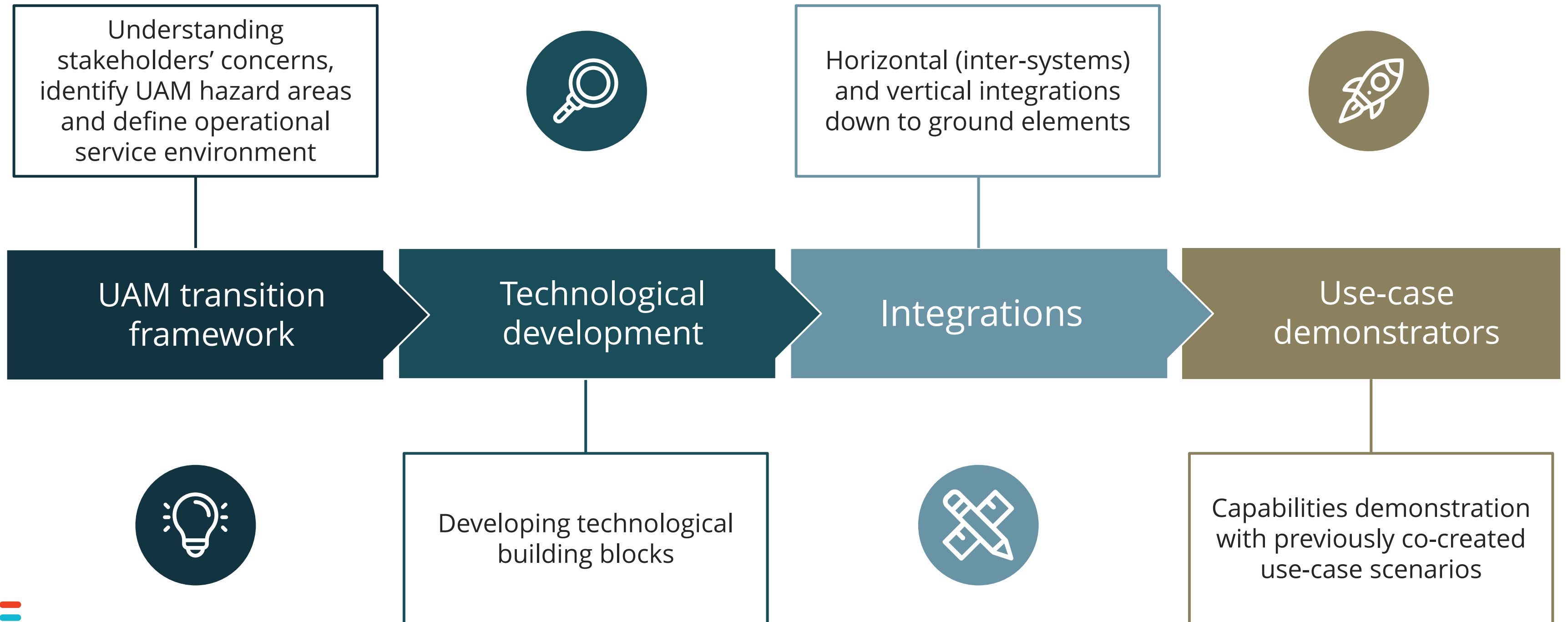
Quieter



More
accepted



AURORA's route to smarter mobility





Citizens

U-Space
service
providers

Intermodal
mobility service
providers

Urban
mobility
authorities

Air Navigation
service
providers

National
Aviation
Authorities

UAM service
providers



3 citizen & stakeholder workshops 8 stakeholder interviews



INTEGRATION

Needs for integrating the aerial domain with its surface mobility counterparts



SOCIETAL CHALLENGES

Public awareness and acceptance, as well as challenges for adopting UAM and strategies for citizen inclusiveness



ENVIRONMENT

Environmental protection requirements and potential environmental impact



AVIATION SAFETY & SECURITY

Safety requirements in urban environments and near-future UAM system's airworthiness, operations and integration



Lessons learnt (so far)



Creating awareness, preparing cities and sharing practices can help with UAM's embracement



Interest in and knowledge of UAM is often concentrated to specific sectors with strong ties to UAM



There are strong concerns whether an additional mobility option is a better choice than improving what already exists



A clear division of competences must be defined among European, national and local authorities



Noise and visual pollution appear to be key concerns



Slido question 1

Q: Has your city/ region already implemented UAM services?

A: [yes/ no/ I don't know]



Slido question 2

Q: Has your city/ region considered implementing UAM services?

A: [yes/ no/ I don't know]



Slido question 3

Q: How do you think the general public perceives UAM services?

A: [highly positive/ positive/ neutral/ negative/ highly negative/ not sure]



Slido question 4

Q: Likewise, how do you think public authorities perceive UAM services?

A: [highly positive/ positive/ neutral/ negative/ highly negative/ not sure]



Slido question 5

Q: Do you expect UAM to play a key role in urban mobility in the future?

A: [highly likely/ likely/ unlikely/ highly unlikely/ not sure]



Slido question 6

Q: What is your main concern in terms of UAM adoption?

A: [free text - word cloud]





Thank you for your attention!

For questions:

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