SMART MOBILITY IN SMART CITIES: WALK. RIDE. DRIVE. FLY.

'How do you want to commute today?'

WHAT?

- Offers a marketplace and forum for diverse stakeholders in urban air mobility (UAM) at intra-city and inter-city level to find synergies among them to work on similar projects linked to urban air mobility, as well as a means to overcome common obstacles and constraints in realising the UAM promise.
- Aims to bring together relevant communities to jointly work on accelerating UAM market uptake, sharing innovative ideas and increasing public acceptance.
- Envisages enabling the development of strong interfaces among the drone, transport and urban planning communities.
- Aims to match committed cities across Europe with stakeholders interested in launching practical urban mobility demonstration studies and initiatives featuring UAM.

WHY?

- Enabling efficient and effective mobility in urban areas is a key challenge in a context of continuing urbanisation where traffic congestion currently costs, for example, more than € 100 billion a year in Europe. When it comes to mobility, expectations from citizens of big cities are ever increasing and more attention is paid to sustainability, reliability, affordability and effectiveness.
- At the same time, technological innovations and new business models offer great potential for new approaches to urban mobility including emerging concepts of Urban Air Mobility (UAM).
- The reason behind the EIP-SCC, UAM Initiative of the Sustainable Urban Mobility action cluster, is to contribute to bringing urban mobility into the third dimension – the airspace (flying vehicles).

WHO?

- Airbus, a global leader in aeronautics, defence, space and related services, as the UAM Initiative Leader.
- Any stakeholders originating from:
  - > cities, regions, metropolitan areas
  - > public and private transport operators
  - > infrastructure providers, real estates
  - > manufacturers and transport associations
  - > insurance companies and other financial services
  - > regulatory bodies
  - > transport research institutes
  - > other related to urban mobility

HOW?

- **UAM interfaces with public ground transport** > Determine and address interfaces and integration requirements between UAM and ground transport in a proactive manner.
- **Mobility as a Service (MaaS)** > Ensure that further to that all modes of transport are seamlessly integrated, they also feature equivalent standards of service quality.
- **Ground infrastructure for UAM** > Ensure the availability of the necessary infrastructure for UAM while seeking synergies with other transport modes and sectors.
- **ATM/UTM concepts for UAM and its integration in view of single sky operations** > Align, at early stage, the technology innovation and regulatory efforts to ensure that the European vision for integrated, single sky operations is realised.

ROADMAP

1 INFORM ABOUT & ENGAGE ON DEMONSTRATION PROJECTS
Create and involve a multi-stakeholder community around each committed city to define a demonstration project for smart mobility featuring UAM.

2 DEFINE & PREPARE DEMONSTRATION PROJECTS
Develop, qualify and articulate UAM business and service concepts towards integrated urban mobility solutions as part of a detailed demonstration project proposal. Decide on GO – NoGO based on partners' commitment, project attractiveness and financing raised and secured.

3 RUN & CONCLUDE DEMONSTRATION PROJECTS
Organise execution of the actual demonstration projects across cities/regions. Derive lessons learnt from each demonstration project and make recommendations for a UAM deployment strategy and roadmap.

4 ACHIEVEMENTS & WAY FORWARD

MANAGEMENT TEAM

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EIP-SCC
European Innovation Partnership on Smart Cities and Communities