

# MUSE

## Why MUSE

MUSE is dedicated to harnessing the power of Urban Air Mobility [UAM]. Over the coming decade, U-Space advancements will open doors to diverse UAM applications, spanning medical transport, goods delivery, and passenger services. Yet, as UAM expands into densely populated areas, challenges emerge, including citizen acceptance and the need for more comprehensive assessment tools. MUSE is poised to address these critical issues and pave the way for a brighter UAM future.

## More Information

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## Measuring U-space societal and environmental impact



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## The MUSE project

MUSE aims to revolutionize Urban Air Mobility [UAM] by introducing key performance indicators [KPIs], innovative methods, and tools to assess UAM's impact on European cities. Our mission is to enhance the livability and quality of life in urban areas while minimizing UAM's negative social and environmental effects, with a specific focus on noise impact, visual pollution, and privacy concerns among others.



## Our Objectives

- **Develop U-Space KPIs:** Define comprehensive social and environmental KPIs that capture UAM's impact on citizens' quality of life.
- **Innovative Tools:** Create cutting-edge methods and tools for measuring and predicting these KPIs.
- **Real-world Application:** Showcase the effectiveness of our tools through case studies in European cities.
- **Shape the Future:** Lay the groundwork for a new SESAR Solution, the MUSE U-Space Environmental and Social Impact Assessment Framework, to optimize UAM's social and environmental performance.”

**Join us in reshaping the future of UAM for smarter, more sustainable cities!**

## Get involved!

- External experts and stakeholders can be involved throughout the project by means of bilateral interviews, thematic workshops, and the establishment of an External Experts Advisory Board [EEAB].
- **Stakeholder Workshops:** Join us to shape the Environmental and Social Performance Framework, to provide feedback on preliminary case study results, and help improve our proposed Solution.
- **Bilateral Interviews and Thematic Sessions:** We're actively involving local stakeholders, including the Urban Development and Mobility & Environment departments of local city governments, and academic researchers experienced in big data analysis for population health risk assessment. Your input matters.

