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Integration criteria of urban air mobility in the city

[Criterios de integración de la movilidad aérea urbana en la ciudad]

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Abstract

Urban air mobility is a novel concept of urban and interurban transportation. This emerging transportation alternative is largely due to the development of electric vertical takeoff and landing vehicles, which will use very little ground support infrastructure. The rich literature that the academy has been generating in recent years covers several dimensions of this subject, except for the (future) integration of this new transport system with the existing urban mobility system. For this reason, this research identifies, and proposes, some integration criteria, in various dimensions or areas (those considered, in principle, the most relevant), which could be useful for urban planners, so that they can prepare the integration scenarios of this new mode of urban transport with the transport networks and other mobility infrastructures of the city. © 2024, Ministerio de Fomento. All rights reserved.

Author keywords

Sustainable urban transport; Urban / regional connectivity; Urban air mobility; Urban infra-structure; Urban planning

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Abstract

Urban air mobility is a novel concept of urban and is an alternative is largely due to the development of electric aircraft. However, little ground support infrastructure. The rich literature covers several dimensions of this subject, except for the (functional) urban mobility system. For this reason, this research analyzes several dimensions or areas (those considered, in principle, that they can prepare the integration scenarios of the urban and other mobility infrastructures of the city. © 2024

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