



**COMMUNICATION &
DISSEMINATION DETAILS
MAY 2023**

INFORMATION ABOUT THE UNMET NEED

Unmet need	
Acronym	MOTINN
Title	MOT innovative mobility procurement
Description	<p>The Challenger needs a network of integrated charging points to support the widespread adoption of medium-speed transport for short trips, such as electric bicycles or scooters.</p> <p>These charging points should blend into the existing environment so that pedestrian mobility in the sidewalks is not hindered, and the visual impact is small. To achieve this, the charging infrastructure should be designed in a way that complements the urban landscape. Charging stations could be placed in discreet locations blending in with their surroundings. They should also be strategically located in areas with high demand for short trips, such as near public transportation hubs, commercial districts, and residential areas.</p> <p>Another important consideration is the charging time. To encourage the use of this means of transport, charging should be quick and convenient, allowing users to quickly shorten their trip. This will not only encourage the use of sustainable transportation but also improve the overall mobility in the city.</p>
Innovative solutions to address the problem	<p>The integrated charging points are the perfect solution for the mobility of both electric bikes/scooters and pedestrians.</p> <p>Charging points need to be placed in the existing natural environment, remote green areas, places or even places with narrow sidewalks in the historic centre of the cities. Therefore, it is of the utmost importance that the charging points do not become an obstacle neither in the lanes nor in the sidewalks. A yet-to-be designed model of ground-based charging points placed in the sideways would be a possible solution.</p> <p>The solution must be able to collect bicycle and scooter usage data and must be able to dump that data to the city</p>

	platform. It must be able to provide service in remote points of the urban area without connection to the conventional power grid and it must be sustainable and intuitive.
Sector	Public Transportation
Sub sector	Electric bikes/scooters
Technology type	Charging points network

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