

Organisation name	Sabanci University
Interest in the call and expertise to be brought into a consortium	<p>Smart Mobility and Logistics Lab (SML) in Sabanci University focuses on transport logistics and mobility planning including urban transport, first-mile, long-distance and last-mile pickup/delivery operations, electromobility, and sustainable logistics chains. With ~10 years of experience in developing optimization-based approaches, models, and solution methodologies to reduce the carbon footprint of logistics activities on road transportation networks, we can contribute in the following aspects of the project:</p> <ul style="list-style-type: none">- to provide a systematic approach to minimize the operational inefficiencies related to empty trips, vehicle utilization and route planning, peak demands, etc. by taking into account the external factors associated with environmental sustainability;- to model the collaborative logistics network to optimize the freight flows and develop methods to provide effective and efficient solutions;- to assess the proposed solutions in terms of financial costs as well as energy consumptions and greenhouse gas emissions;- to validate the benefits of the collaboration scheme in comparison to conventional independent logistics operations.
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