

STORM on-line workshop

Title: Tools and methodologies supporting future freight and logistics scenarios and policies assessment

Concept

The main objective of the webinar is to collect feedback from stakeholders regarding the development of EU policies assessment tool looking at the implication of novel enabling technologies in logistics. In addition, two other use cases will be presented: a methodology to estimate the needs in EU for heavy-duty long haul trucks charging network development and the implications of zero-emission city logistics in various urban areas, including insights from Helsinki, Finland and Prague, Czech Republic.

Date and time

28th March, 09:00-11:30 CET

Agenda

Time	Topic
09:00- 09:10	<p style="text-align: center;">Introduction</p> <ul style="list-style-type: none"> Welcome (5 min) Meeting practicalities and expected outcomes (5min)
9:10-10:10	<ul style="list-style-type: none"> EU logistics policies assessment tool and use case: <p>We will present ideas for new digitalised logistics systems in the future. These may include logistics control towers, blockchain applications, synchromodality. What are the critical dimensions of these systems and what will their effect be on GHG emissions? We will discuss how EU policy can promote competitive, green logistics and contribute to the objectives of the EU Green deal and the 'Fit for 55' program.</p> <ul style="list-style-type: none"> 30 min presentation and introduction on the case 30 min discussion and feedback on the case
10:10-10:20	Short break
10:20-10:50	<ul style="list-style-type: none"> Battery Electric Long-Haul Trucks in Europe: Public Charging, Energy, and Power Requirements <p>In this study case, we use a trip-chain-based model to derive charging requirements for BETs in long-haul operation for Europe in 2030: We estimate that about 40,000 overnight charging points (50-100 kW, combined charging system, CCS) and about 9,000 megawatt charging system (MCS, 0.7- 1.2 MW) points are required to support a BET share of long-haul operations at 15%. We will present more details for our methodology and insights into our results during the webinar.</p>

	<ul style="list-style-type: none"> • 20 min presentation and introduction on the case • 10 min Q&A
10:50-11:20	<ul style="list-style-type: none"> • Innovative zero-emission logistics, insights from Finland and Czech Republic <p>We will show the results of our last-mile delivery modelling effort within the area of Prague 6 and Laajasalo. The aim is to include in the modeling some of the emerging logistics technologies. Several scenarios were tested, starting from the scenario based on synthetic data. We hope that the simulation and the TCO calculation based on it can offer a valuable insight into the decarbonization of last mile delivery in urban environment.</p> <ul style="list-style-type: none"> • 20 min presentation and introduction on the case • 10 min Q&A
11:20-11:30	<p style="text-align: center;">Wrap up</p> <ul style="list-style-type: none"> • Overview of the presentations and closing