STORM final event agenda

26 May 2023, 10h (CET)

	STORM Workshop **Moderator:** ***Yancho Todorov, (STORM project coordinator), VTT Technical Research Center of Finland, Finland***
10-10.30	**New needs and knowledge gaps in freight and logistics** ***Jonathan Köhler, Fraunhofer ISI, Germany*** It will be presented a study on trends, knowledge needs, and policy analysis needs possibilities for new modelling for freight transport in the EU. In terms of the outputs and insight of freight transport modelling, the study has found some important areas where information and insights are lacking, and future developments need to be prioritized. *20 min presentation and introduction on the case and 10 min Q&A*
10.30-11.00	**Battery Electric Long-Haul Trucks in Europe: Public Charging, Energy, and Power Requirements** ***Wasim Shoman, Chalmers University of Technology, Sweden*** 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. *20 min presentation and introduction on the case and 10 min Q&A*
11.00-11.30	**Innovative zero-emission logistics, insights from Finland and Czech Republic** ***Tomas Horak, Czech Technical University in Prague, Czechia*** ***Yancho Todorov, VTT Technical Research Center of Finland, Finland*** 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. *20 min presentation and introduction on the case and 10 min Q&A*
11.30-12.00	**EU logistics policies assessment tool and use case** ***Jonathan Köhler, Fraunhofer ISI, Germany*** 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. *20 min presentation and introduction on the case and 10 min Q&A*