A cross-case assessment of city logistics measures

The assessment of smart logistics measures performance is a rather complex process that takes into consideration parameters such as stakeholders' opinions, cities' characteristics and objectives and is performed under specific evaluation components (impact areas, criteria and indicators). This study aims to introduce a holistic sustainability based framework for the assessment of logistics measures by considering four sustainability disciplines (economy, environment, mobility and society) and three enablers (policy and measure maturity, user acceptance and uptake).

Based on this framework, an integrated platform – Evalog – is developed.

The platform is demonstrated through the assessment of city logistics meassures that have been implemented in seven European city cases. The assessment considers "before" and "after" measure implementation cases, for the lifecycle stage of operation by using indices to aggregate assessment results. Evalog was found to enable comparison of different urban logistics measures while ensuring data transparency and stakeholder communication •