



Research School for Operations
Management and Logistics

Synchromodal collaboration models towards the Physical Internet.

Joren Gijsbrechts – KU Leuven

Multi-SKU inventory models using multiple transport modes, each with a different cost and lead time. Main focus is to extend current models to better reflect reality (including capacity of transport, etc). Current methodologies used are simulation and Machine Learning (deep reinforcement learning or approximate dynamic programming). Interested to understand more in-depth which heuristics can be used as a benchmark for the Machine Learning algorithms.