

Research School for Operations Management and Logistics

## Sustainable Supply Chain Management in Healthcare

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The SSCMH project aims to support the creation, development, and implementation of nextgeneration concepts for sustainable healthcare logistics, with particular attention to last-mile logistics. To reduce congestion, emissions, costs, and improve service quality, the optimization of the forward and the reverse flows in healthcare is required. What makes the above even more difficult is that different parties are involved in different flows, including suppliers of goods, logistics service suppliers, and medical centers like hospitals. Each party may have his own preset goals and limitations, and the optimization of one flow may result in worse results for one or more parties. The purpose of the SSCMH project is to design logistics networks and their management to realize the above, including the corresponding strategic, tactical and operational decisions (e.g., direct or indirect delivery, number of echelons in case of indirect delivery, combined or separate bring-pickup, locations of the sub-hubs as well as their capacities, control rules, etc.) It will also focus on how a fair allocation of resources and benefits can be organized in this multi-stakeholder context, how value is created and captured, which business model concepts are appropriate, and how long-term collaboration and stability can be achieved.