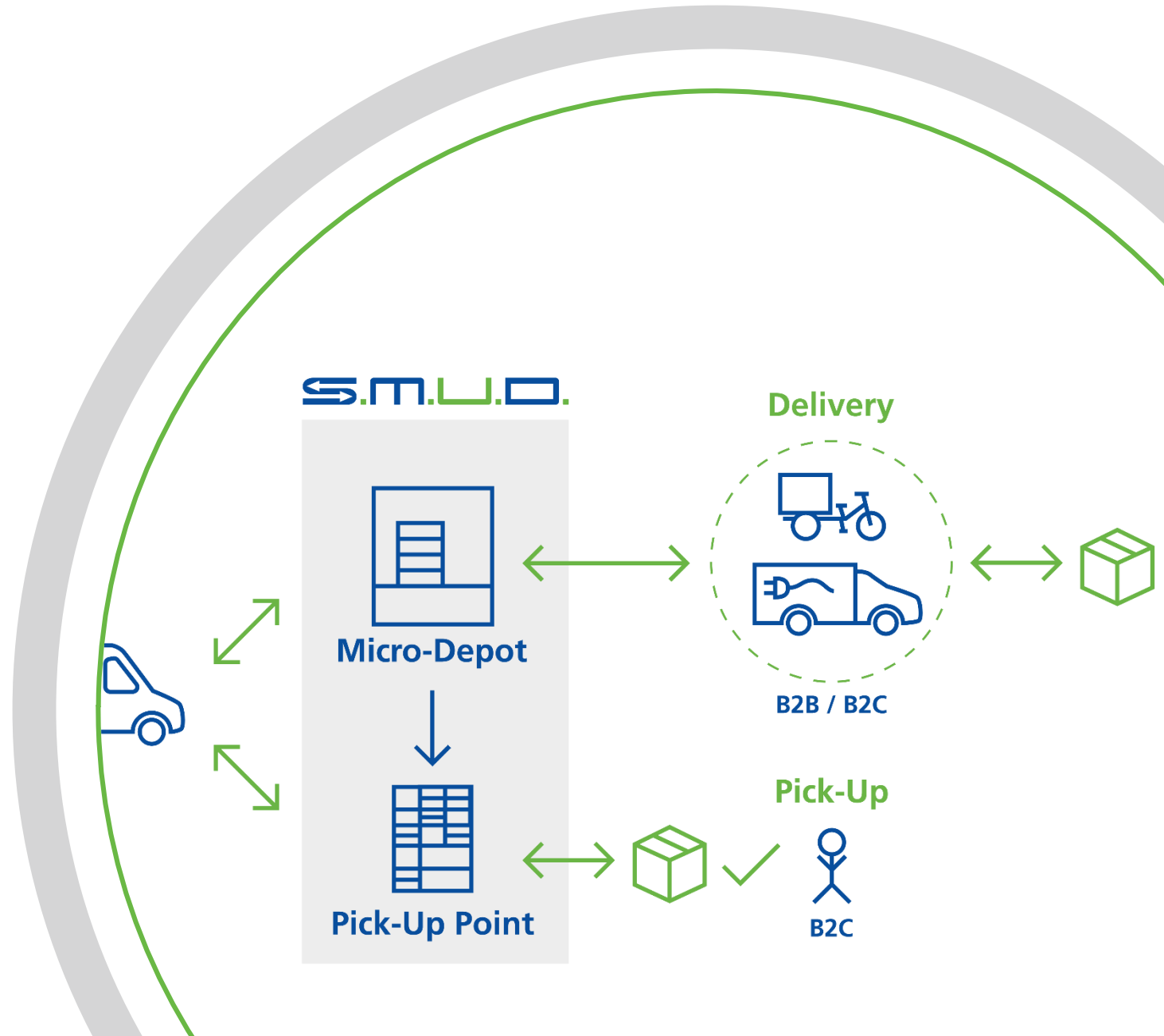
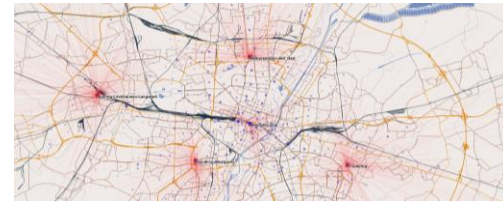


Shared micro depots – from idea to implementation

Daniela Kirsch (Fraunhofer IML)



4 Phases from idea to implementation



Initiation

1

Starting with an idea and identification of relevant stakeholders to operate a shared micro depot

Conception

2

Design and planning of all relevant aspects for implementing the shared micro depot

Implementation

3

Start of business operation and transfer to standard operation

Assessment

4

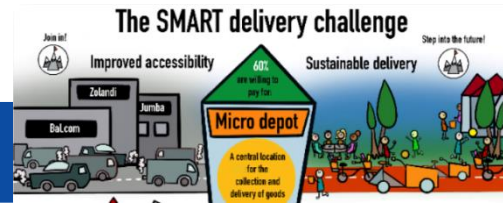
Evaluation and improvement of the shared micro depot

4 Phases from idea to implementation

Initiation

1

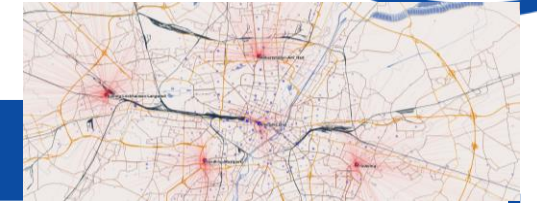
- Definition of type and value added services for the micro depot
- Non-discriminatory communication with interested companies
- Proactive involvement of stakeholders and city administration as soon as possible
- Scheduling buffers for administrative approval procedures



Conception

2

- Continuous exchange with cities and stakeholders
- Design process should start by the definition of location
- Location planning should involve software tools, but local expertise is essential
- Definition of requirements in cooperation with the prospective users to get the approval (iterative)
- Operator can be the local authority (city), one of the LSPs using the depot or a third-party company (tendering process)



4 Phases from idea to implementation

Implementation



3

- Execution as a pilot operation with containers or implementation in an existing property
- Ramp up phase for the S.M.U.D. until a steady continuous operation is achieved (full operation)
- Monitoring the implementation phase

Assessment



4

- Continuous assessment of the target attainment (performance control) with cities, stakeholders and companies
- Key performance indicators should be defined to show the possibilities of a S.M.U.D.; e.g.
 - Reduction of emissions of greenhouse gases, air pollutants and noise
 - Reduction of congestion in the urban area
 - Level of logistics costs optimization