e-COMSTRAT

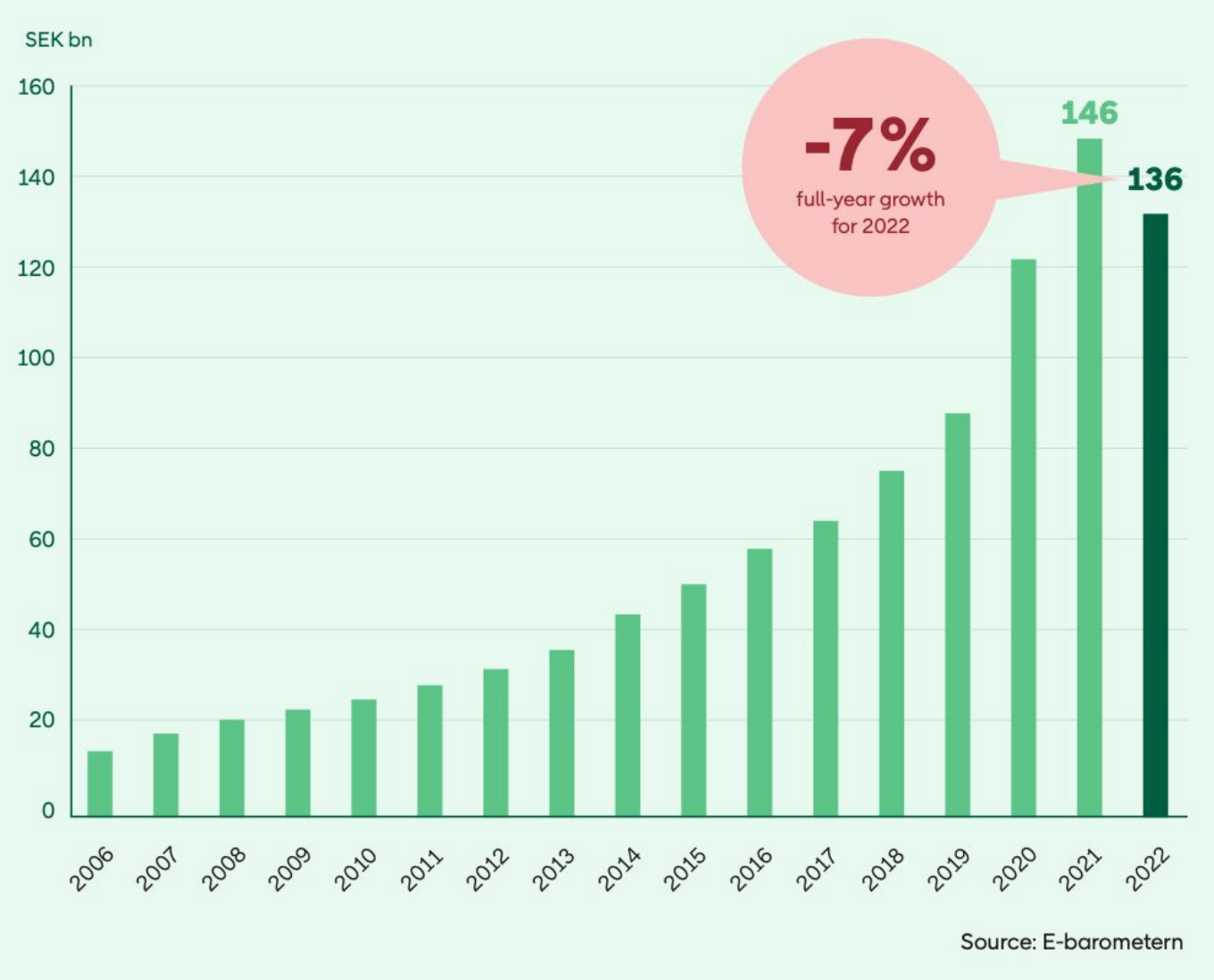
Klas Hjort

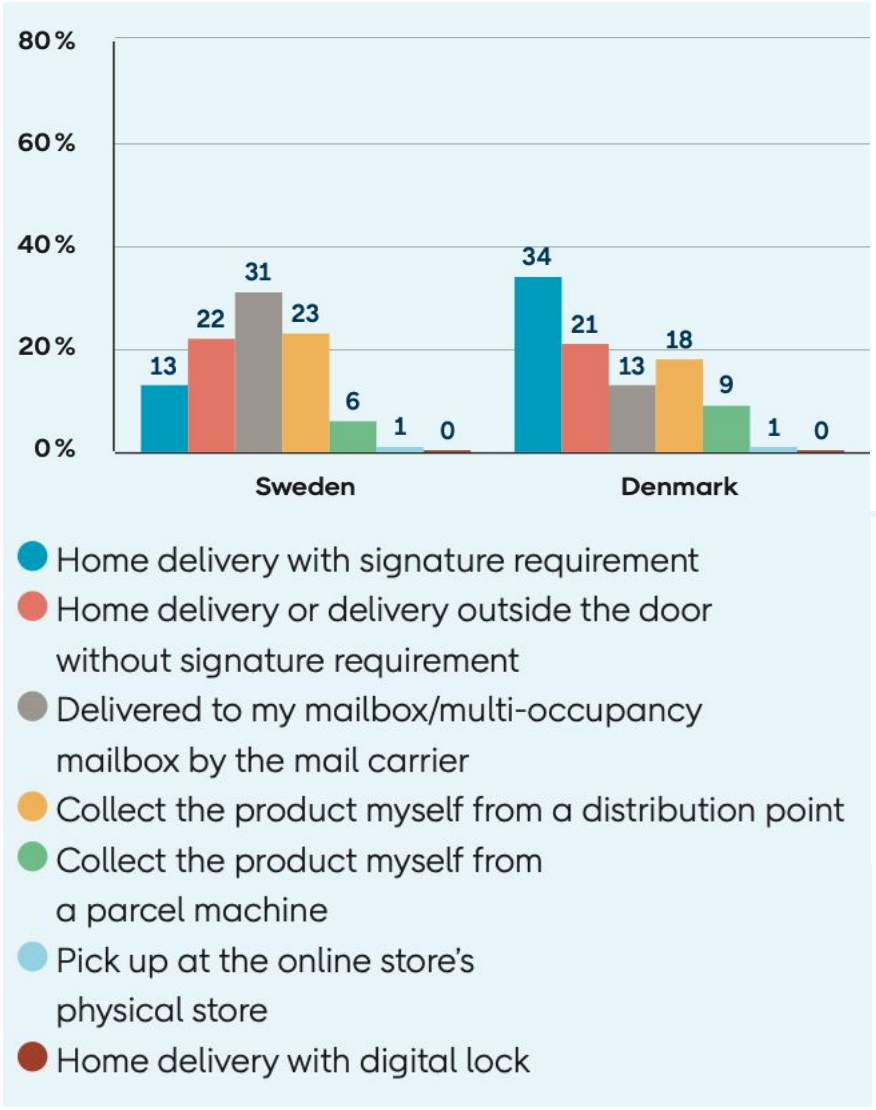
Lund University

ASTER

DRIVE SWEDEN

Background/challenges





LUND UNIVERSITY

Project and partners

Work package 1:

Project leading and dissemination

Work package 2:

Data-driven urban development - urban planning with e-commerce's KPIs

nShift

Stockholms stad

Göteborgs Stad

ASTER

Work package 3:

Sharing delivery data for co-distribution

HELSINGBORG

H&M

IKEA

nowaste LOGISTICS AB

ITEAM

ASTER

Work package 4:

System analysis and future projects

ASTER

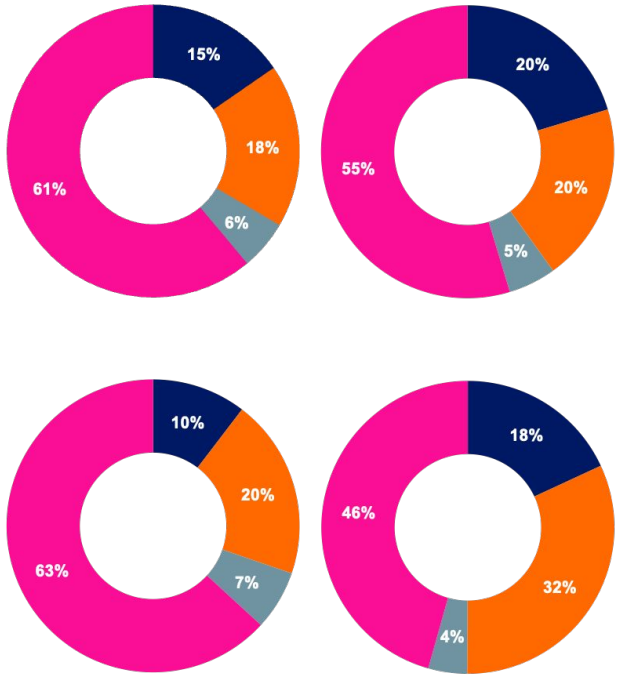
VINNOVA

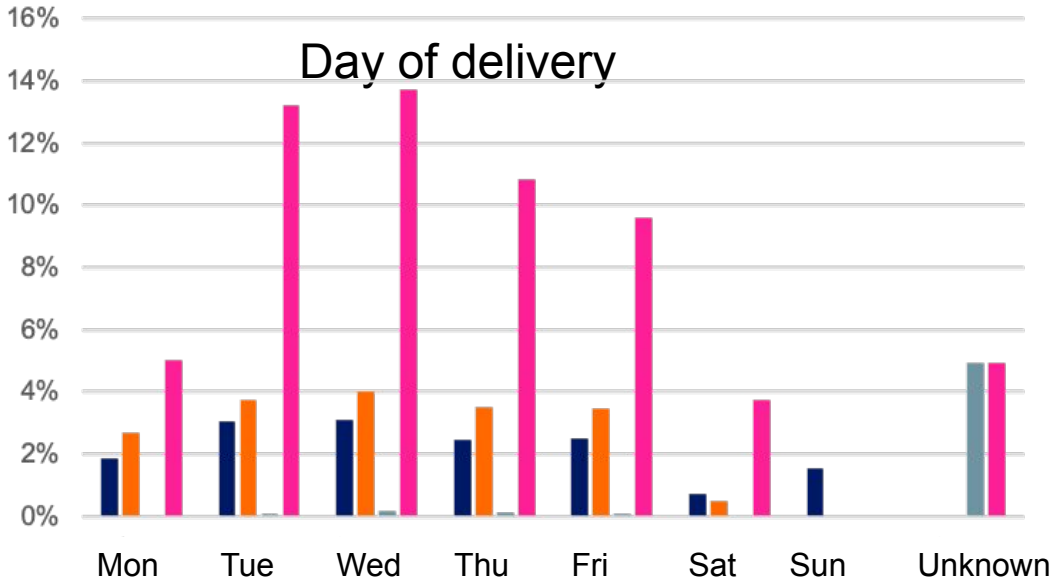
LUND UNIVERSITY

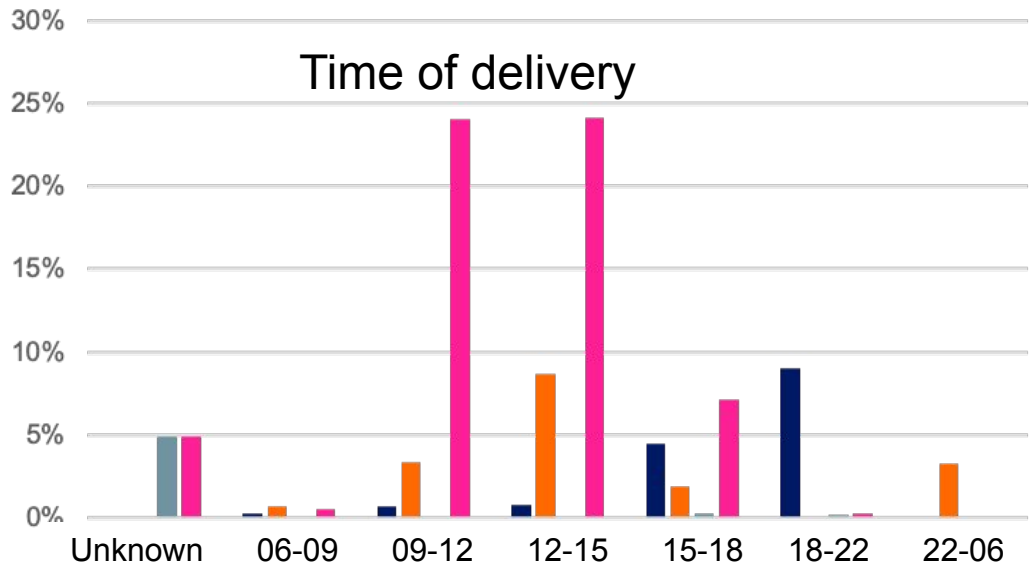
Results WP2

- Home delivery
- Mail box
- Parcel locker
- Service point

Type of delivery

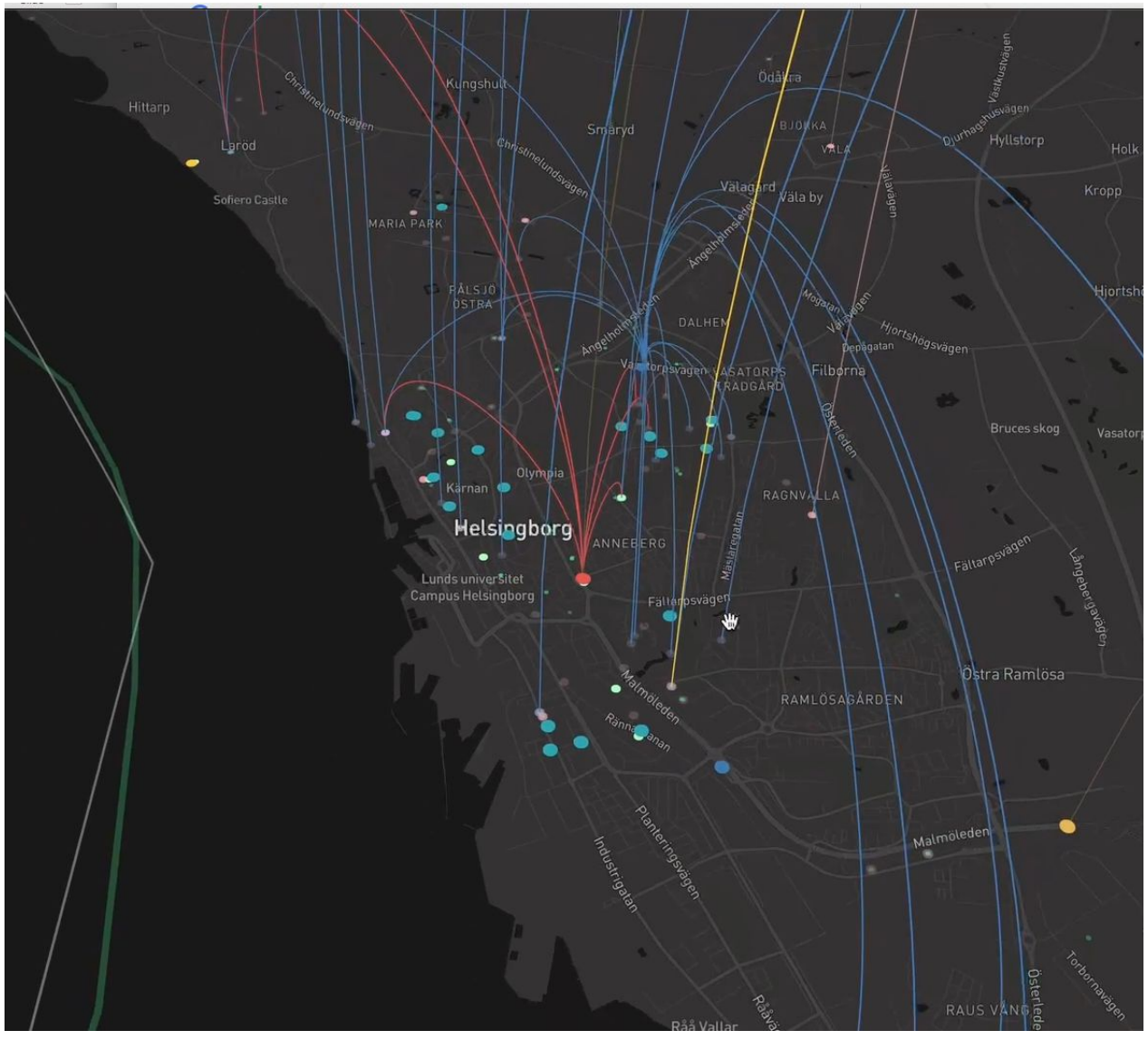






LUND UNIVERSITY

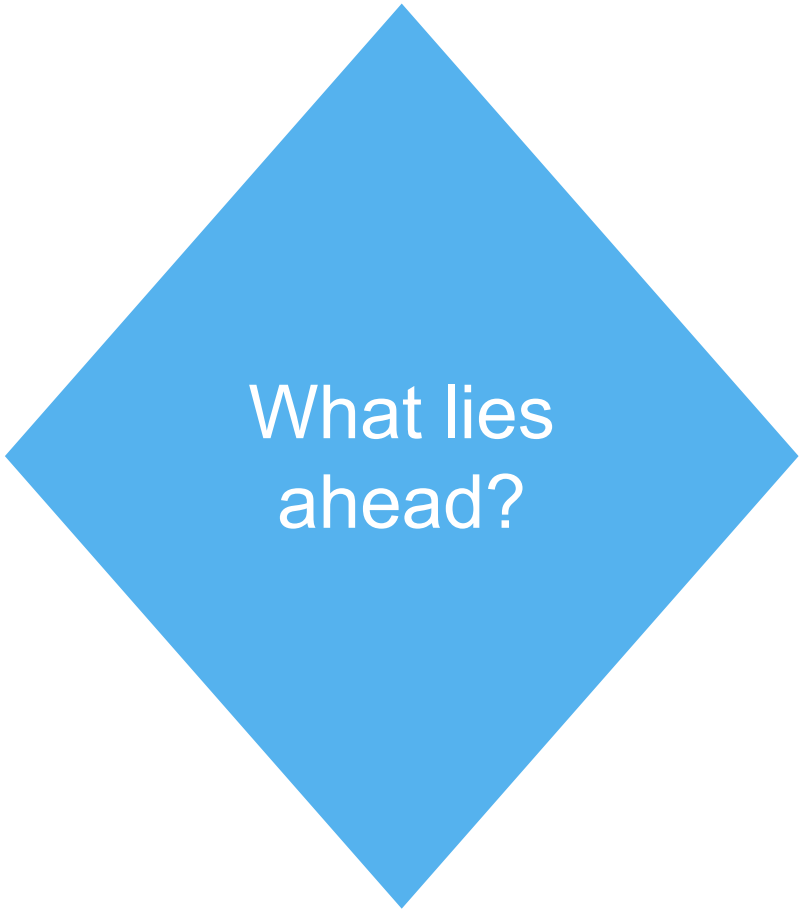
Results WP3



- Sharing transportation data is not easy or straightforward
- Difficult to get/access to data containing necessary details
- Zooming in on last-mile is not adequate to understand and optimize the system
- Visualizing shared data in a digital twin is a tool to get started

LUND UNIVERSITY

Results WP4 – Zooming out and looking ahead



- Delivery data is valuable for cities (WP2 and WP3)
- Data behind well informed decisions
- Sharing data however is from a competitive perspective troublesome (WP2 and WP3)
- For cities, collecting their own data is possibly an alternative to complement shared external data
- Understanding how the parcel delivery system operates and performs in tomorrows climate-neutral smart city is a necessity
- The use of a digital twin to visualize future scenarios is a common ground for different stakeholders in the city as well as in other organisations

LUND UNIVERSITY

Contact

Klas Hjort

Lund University, Faculty of Engineering, Packaging Logistics

+46 46-222 40 41

klas.hjort@plog.lth.se

ASTER

DRIVE SWEDEN