Elisabeth Hörnfeldt, Scania Innovation Office

HITS

SCANIA

ELISABETH HÖRNFELDT, INNOVATION OFFICE
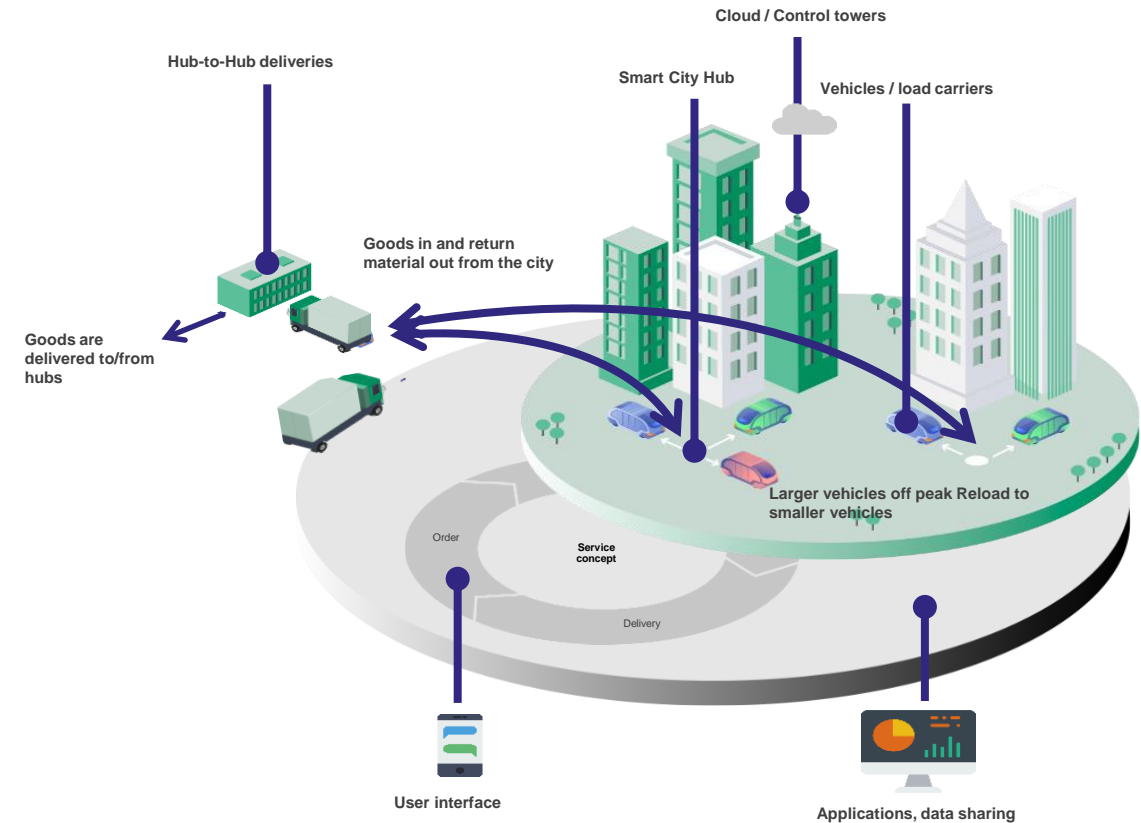
HITS
Hållbara & Integrerade urbana Transport System

Project Vision

To understand and create conditions for a sustainable transport system in the city.

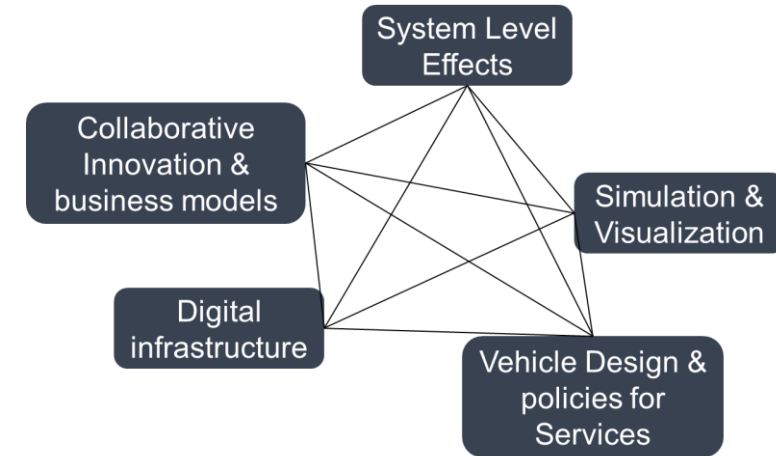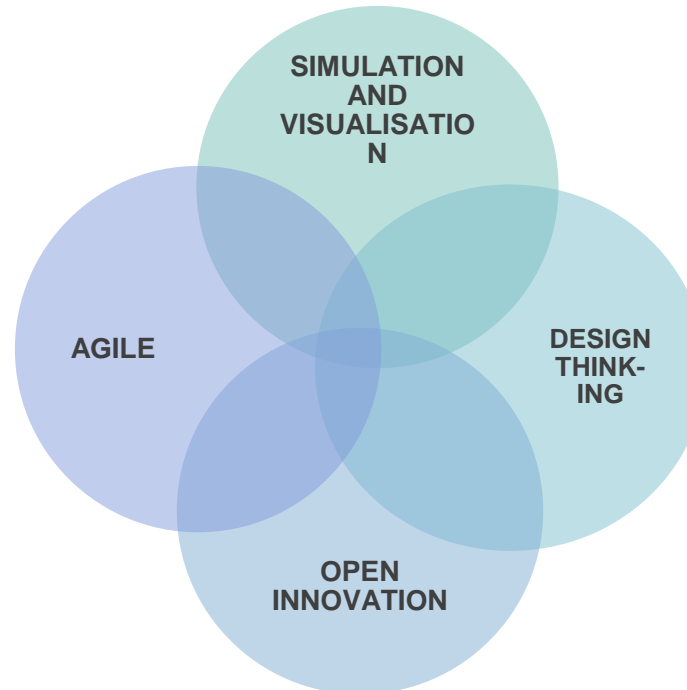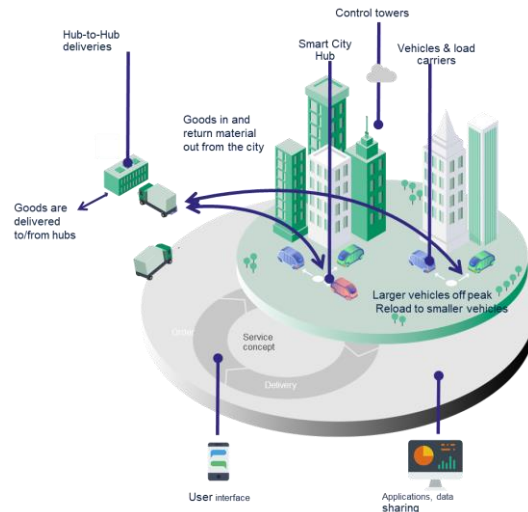By addressing…

We have a chance to also affect…

VINNOVA
Funding partner

SCANIA
Project coordinator and project management
Project manager: Elisabeth Hörnfeldt

CLOSER
Collaborations and support

SIMULATION AND VISUALISATION

AGILE

DESIGN THINK-ING

OPEN INNOVATION

System Level Effects

Collaborative Innovation & business models

Simulation & Visualization

Digital infrastructure

Vehicle Design & policies for Services

ENTERPRISES
Real estate: Atrium Ljungberg, Catena, Fabege
Re-cycling: Ragn-Sells
Distributors: FLT Logistics, HAVI
ITS in logistics: Ericsson, Log Trade
Food retailer: Axfood

MUNICIPALITIES
Stockholms Stad
Södertörns Kommuner

ACADEMY
D.School at Stanford University
Kungliga Tekniska Högskolan
Linköping University Gothenburg University
RISE – Research Institutes of Sweden
IVL – Swedish Environmental Institute
Stockholm School of Entrepreneurship

Research from a system level

- Be user-oriented and start from users and understand needs and define challenges

- Map the different parties in the ecosystem's business values

- Explore what is technically possibilities and how new technology can enable new innovations
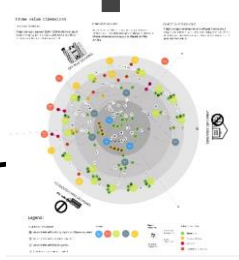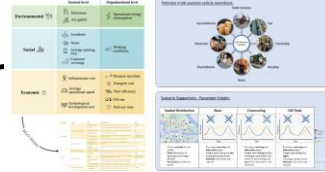
Business viability

People desirability

Technology feasibility

The big picture
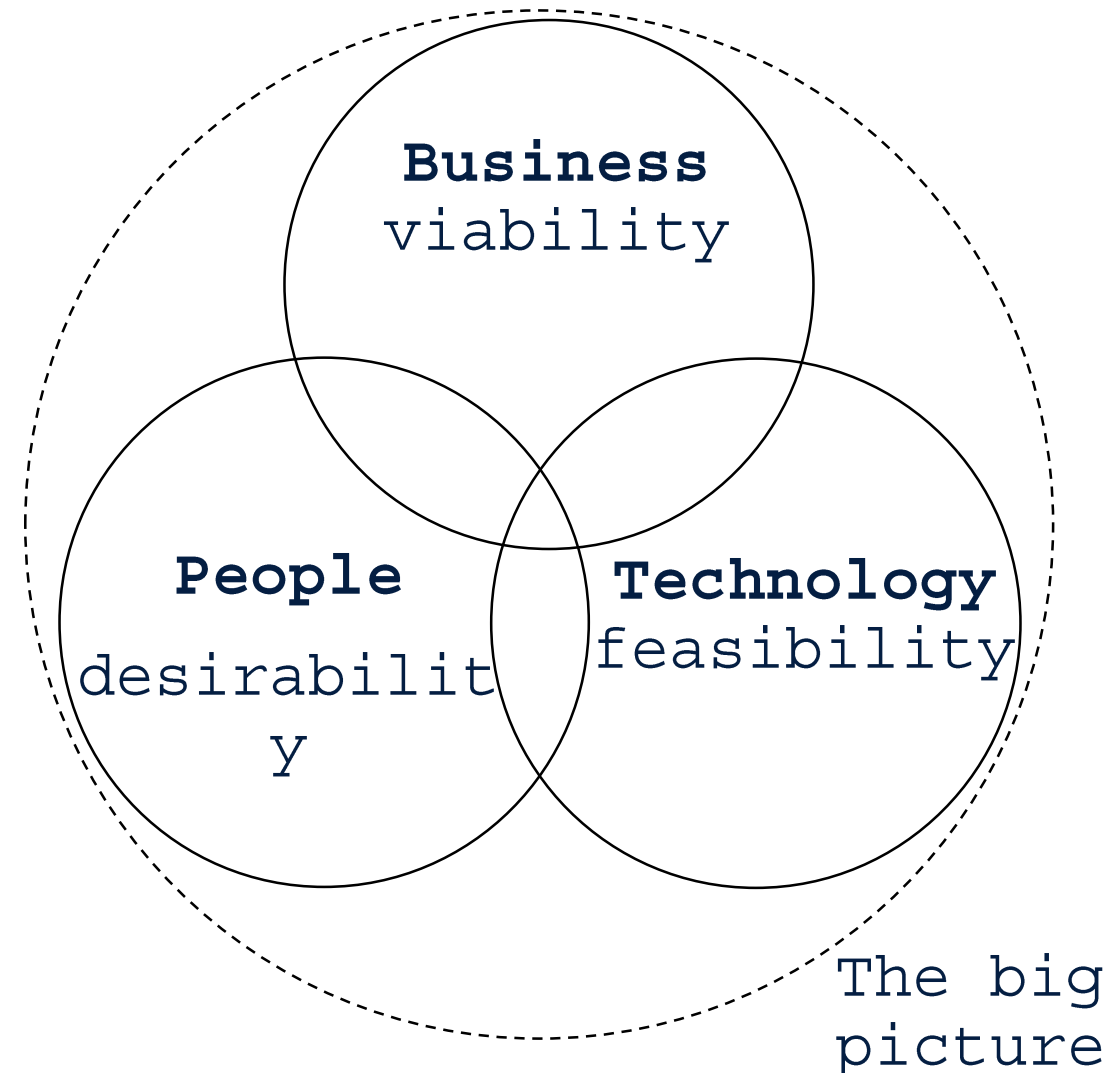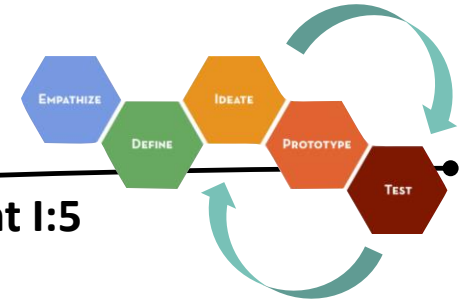
How HITS has approached the system perspective

Increment I:4

WS System Level Effects

Gallery Walk: Visualize, feedback and build on

Gallery Walk
Visualize, feedback and build on

Increment I:5
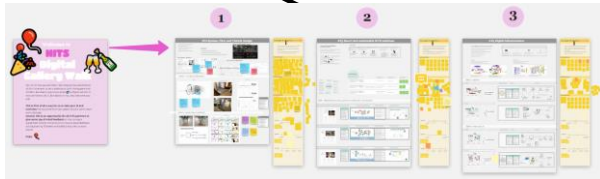
Interview Off peak
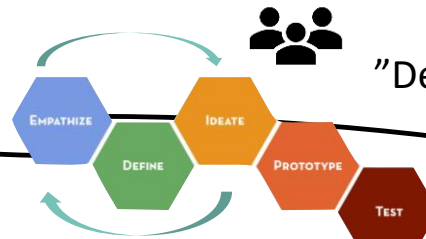
"Define, -Why, what, who?"

"Ideate"

Crash course
Design thinking

KICK OFF 25th June 2020

The new city experience
An Introduction to Design Thinking

HITS workshop 1 22 September
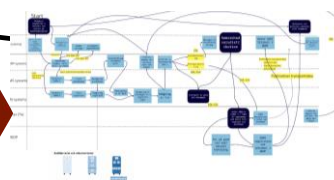
Increment I:3 starts
All WP starts ups in parallel

HITS WS in October
- To find a starting point
– locking into different scenarios

Objective   HITS 2021

The goal for the first two years is to build knowledge and understanding of:

How a sustainable, circular and efficient urban logistics system can be built and scaled up with efficient logistics flows, new vehicle concepts, load carriers and by enabling increased groupage and return flows.

How the smart and sustainable City Hub should be designed. This applies to both fixed and mobile hubs. What are the prerequisites for automation and the need for infrastructure in the various concepts.

How sustainable business models look like for participating players and how laws and regulations should facilitate the transition.

How digitization, open APIs and data sharing in freight flows can make a more efficient system