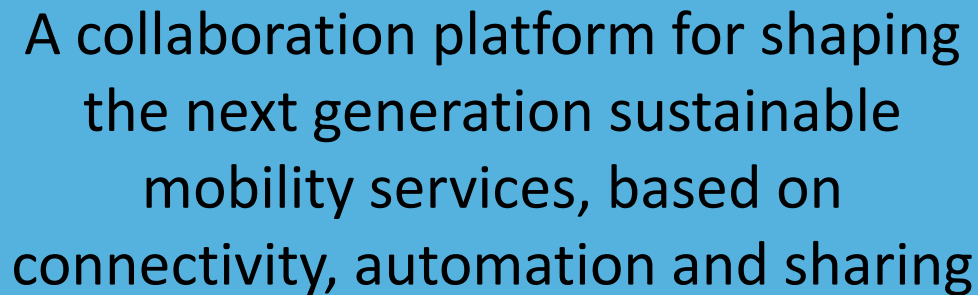


The logo for DRIVE SWEDEN features the words "DRIVE" and "SWEDEN" in a clean, sans-serif font. The text is flanked by two horizontal rows of dots, with a vertical column of dots separating the two words.

DRIVE SWEDEN

A blue rectangular box with rounded corners containing white text. The background of the entire slide is a colorful illustration of a city street with various people, a bus, a car, and a bicycle.

A collaboration platform for shaping the next generation sustainable mobility services, based on connectivity, automation and sharing

With support from

The logo for VINNOVA, consisting of the word "VINNOVA" in a bold, green, sans-serif font.

VINNOVA

The logo for the Swedish Energy Agency, featuring a stylized red and black circular icon to the left of the text "Swedish Energy Agency".

Swedish Energy Agency

The logo for FORMAS, consisting of the word "FORMAS" in a bold, black, sans-serif font, followed by a small icon of four colored dots (red, green, blue, yellow) arranged in a square pattern.

FORMAS

A blue rectangular box with a white diagonal line in the bottom right corner, containing white text. The background of the entire slide is a colorful illustration of a city street with various people, a bus, a car, and a bicycle.

Strategic innovation programmes

TRAFIKVERKET

TRANSPORT  
STYRELSEN



VOLVO LINK&CO



SCANIA

Uniti

NEVS

CEVT

E/NRIDE

VOLKSWAGEN  
GROUP SVERIGE AB

NAVYA



EASY  
MILE

2getthere

ohmio



Göteborgs  
Stad



Driven by Innovation

kista  
SCIENCE CITY



Stockholms  
stad

wsp

SWECO

ch2m

Sustainable  
Innovation

Arthur D Little



Norconsult

ATKINS

EY



Trivector

Deloitte

blue  
advisory  
group



vti

CHALMERS

li.u LINKÖPINGS  
UNIVERSITET



RISE



ERICSSON



ZENUNITY



NVIDIA



SAAB

veoneer



IBM



AND



Autoliv



viscando



WirelessCar  
BEYOND CONNECTIVITY



RideCell

swedspot



Baidu



MINDCONNECT



carmenta  
superior situational awareness



SPARE  
LABS

alga

Technolution



UNIQUE  
UniqueSec



aws

UNIVERSES

CONSAT

veridict

helm.ai

waysure



swarco

dyniq  
energising mobility



Berge  
challenging limits

SPRINGWORKS

ApParkingspot

TRIONA

Nobina



Samtrafiken



bezt!

CABONLINE



UBER

Smooove  
facilitates sustainable mobility

monotch  
SMART MOBILITY PLATFORMS

Pantonium

GoMore



mytaxi

transdev

Mekonomen Group

Trivector

CLAO

ZAP

KEOLIS

OKQ8



AUTONOMOUS  
MOBILITY

SnappCar

careem  
APPLIED AUTONOMY

Holmgrens BI

KYNTI

UbiGo

Freelway

Go mobile  
MOVING PEOPLE

voi

icomera

postnord

icomera

GoFun  
首汽共享汽车

# French Swedish innovation umbrella

Draft aim:  
Proof of Concept of automated  
shared mobility  
- in Swedish-French twin cities

Timeframe for setup project: April-Sept 2019

Contacts: Birger Löfgren (RISE) , Eric Wallgren (Vinnova)



RISE

# RISE

RISE (Research Institutes of Sweden) is a network of non-profit, government-owned research institutes with individual specialties and collaborative competences. There are 2,300 employees across 27 sites in Sweden, Norway, and the UK. RISE had a 2017 turnover of 2.7 billion Swedish kronor.

Birger Löfgren  
Research Manager - Sustainable  
Transports



PUBLIÉ LE 7 JUIN 2019

## Déclaration avec Stefan Löfven, Premier ministre de Suède



”smart accessibility, sustainable urban mobility and transportation, technical solutions for resilient systems, innovation for social inclusion and citizen participation.”

...

”Our partnership will strongly encourage city-to-city, local and regional collaboration to achieve our mission.”

# 5G Remote Driving

Swedish Prime Minister Stefan Löfven remotely driving a vehicle in Sweden from Paris – connected with 5G and Connected Traffic Tower.

Swedish - French partnership on innovation and sustainable solutions.





# Remote control/support - Automated shared mobility

Four specific aspects need to be demonstrated for larger scale market penetration:

- **Technical implementation** - e.g. in control tower, integration in vehicles, connection to telecommunication
- **Practical use and interface to people** - regarding operation in control tower, operation in vehicles, customer and road-user experience
- **Policy interpretation and development** - for allowing remote control assisted self-driving buses
- **Safety** - the integrity of vehicles, control tower and network, cybersecurity..

DRIVE SWEDEN

 Swedish  
Energy Agency

**VINNOVA**  
Sweden's Innovation Agency

  
**ERICSSON**

**KEOLIS**

  
**ALLIANCE**  
for Urban Sustainability



 **transdev**  
the mobility company

**RAMBOLL**

**Nobina** 

**easy**  
**MILE**

 **SCANIA**

**NAVYO**

**RI**  
**SE**



# Workshop in Stockholm in May

Public transport stakeholders formulated and ranked goals suitable for bilateral shared mobility innovation projects:

”People without access to cars in rural areas will be able to connect to each other and/or commuter hubs, within 30 minutes”

”Citizens can travel door-to-door feeling safe using shared mobility”

”A family experiences shared mobility as the preferred choice, independent of disposable income ”

”For a PTA to run a sustainable business model for an AV line within 2 ”



# Functions/Values of a bilateral umbrella in Drive Sweden (from workshop)

- Breaking down the political handshake to operational level
- Identify parallel development needs - collaborate – setting common goals
- Create frames for funding calls
- Enabler for market development & lobbying - pushing the idea and pushing the system/stakeholders
- Supporting function for cities (identify funding opportunities, creating connection between partners in projects) .
- Positioning existing initiatives
- Public affairs - relationships

# What's next

- Vinnova / BPI call
- Feedback on setup of the umbrella from corporations and public sector / cities (existing and new members of Drive Sweden & Alliance for Urban Sustainability)
- Startup meeting in Q3

Contact: Birger Löfgren, [birger.lofgren@ri.se](mailto:birger.lofgren@ri.se), +46 736 851010

# Alliance for Urban Sustainability



Supporting SDG 11 and the EU  
Approach to Urban Sustainability



Alliance for Urban Sustainability: a  
network of Swedish and French cities.

**From France:** Grenoble, La Rochelle,  
St. Briec and Strasbourg.

**From Sweden:** Borås, Gothenburg,  
Linköping, and Umeå

Contact:  
Deborah Cornland,  
[deborah@cornland.com](mailto:deborah@cornland.com)

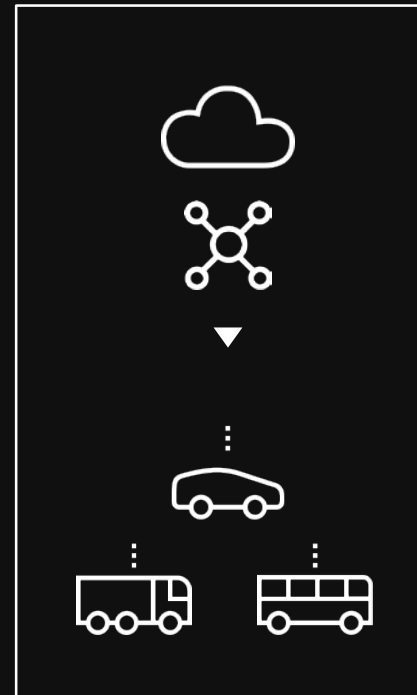


# Drive Sweden Innovation Cloud

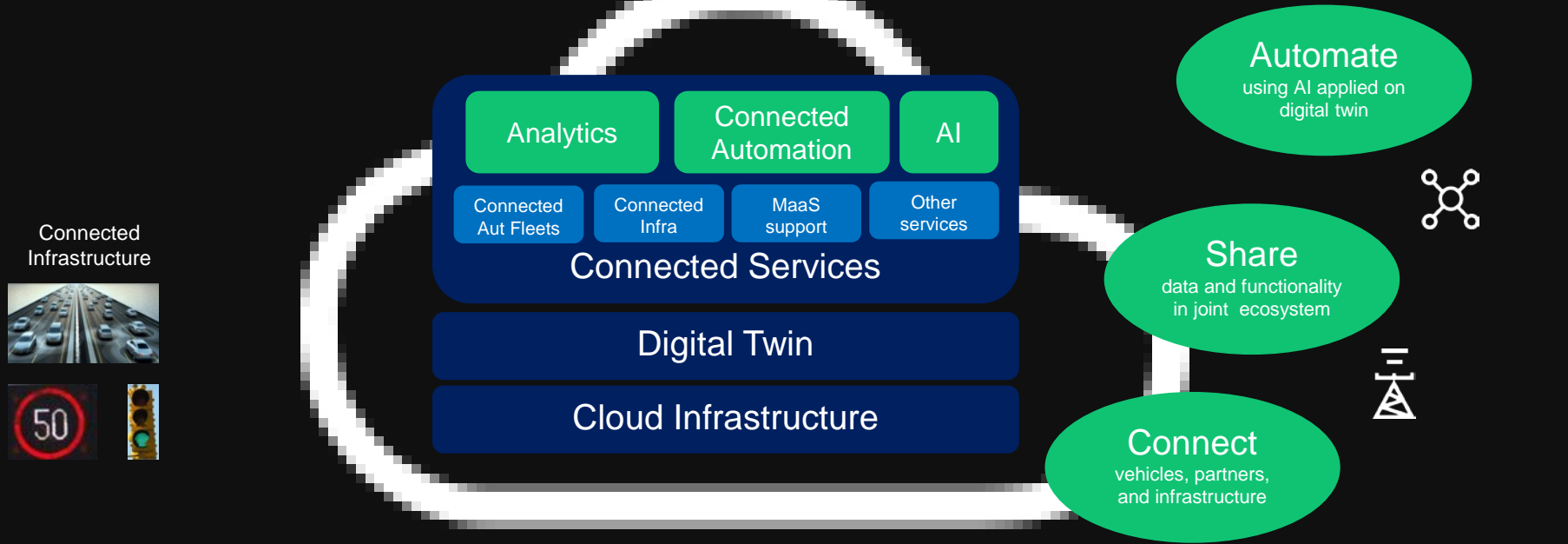
Drive Sweden Innovation Cloud enables Drive Sweden partners to jointly develop and demonstrate new services within Automated Mobility.

## Key functionality

- Easy onboarding of partners
- Sharing of data to build a connected ecosystem
- Billing services engine
- Live Visualization of data, traffic and KPIs
- Advanced functionality including geofencing, rule engine, connectivity management and AI support



# Drive Sweden Innovation Cloud



Connected Infrastructure



Connected vehicles



Connected Automated Fleets

Automated Mobility Services



# Drive Sweden Innovation Cloud



Connected Infrastructure



Infra-structure APIs

Connectivity Management

Connected (4G, 5G)



Analytics

Connected Automation

AI

Connected Aut Fleets

Connected Infra

MaaS support

Other services

Connected Services

Digital Twin

Cloud Infrastructure

Test Site Stockholm

Partner Services using Innovation C

LIMA Gothenburg

AD Aware

ASTA Zero

Connected Automated Truck



Cooperative (V2X)

Partner onboarding

Vehicle and Fleet APIs

Connected vehicles

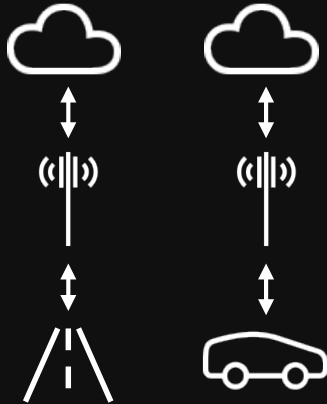
Connected Automated Fleets

Automated Mobility Services



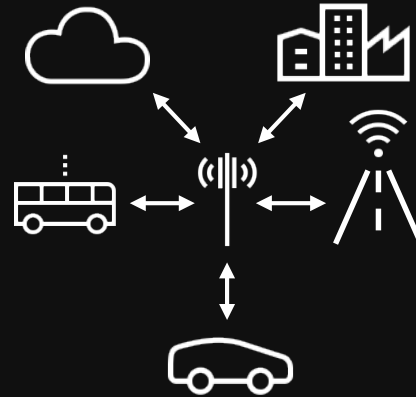
# A systematic approach for transportation transformation

## Connect



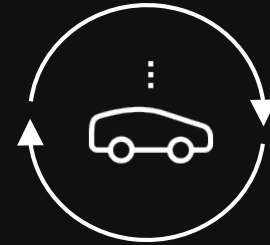
Connecting all parts of the transportation infrastructure

## Co-creating through Innovation Cloud



Making sure that all parts work in unison with each other

## Automated Mobility



Supporting connected automation in transport



It's not all about driverless vehicles. This is a completely new approach to mobility.

We are on the threshold of a radical shift, and it's happening fast.

**In just a few years the world will change.**

**We will see entirely new mobility business models enabling sustainable societies.**

Sign up for our  
Smart Mobility  
Newsletter  
at [www.drivesweden.net](http://www.drivesweden.net)

[www.drivesweden.net/en](http://www.drivesweden.net/en)

Twitter: @DriveSweden