Autumn Conference
October 15

TRIPLEF

FOSSIL FREE FREIGHT

Welcome!

Sofia Löfstrand
Program manager

Francisco Marquez
Research Leader Technology

Kristina Andersson
Research Leader Policy

Taline Sandberg Jadaan
Research Leader Logistics

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Agenda

Project results

Farah Naz - LiU / VTI - Fossil-free construction logistics – PhD

Anna Fredriksson - LiU - Fossil-free construction logistics 2.0

SHORT BREAK

Arvid Guthed - Träfraktkontoret - High Capacity Intermodal Transport (HCIT)

Klas Hjort - LU - Smart fossil-free returns

LUNCH

Focus: Policy

Magnus Nilsson - Magnus Nilsson Produktion

Niels Buus Kristensen - TØI / The Danish Council on Climate Change

Eva Jernbäcker - The Swedish Environmental Protection Agency

BREAK

Enriko Laanemäe - Ministry of Climate of Estonia

Heiti Mering - Digital Logistics Center of Excellence

Hanna Melander - DB Schenker

Purpose of Triple F - Fossil Free Freight

"The Swedish Transport Administration initiated the research and innovation program Triple F to **develop knowledge** that contributes to the transition to a fossil-free freight transport system, so that national reduction targets can be achieved."

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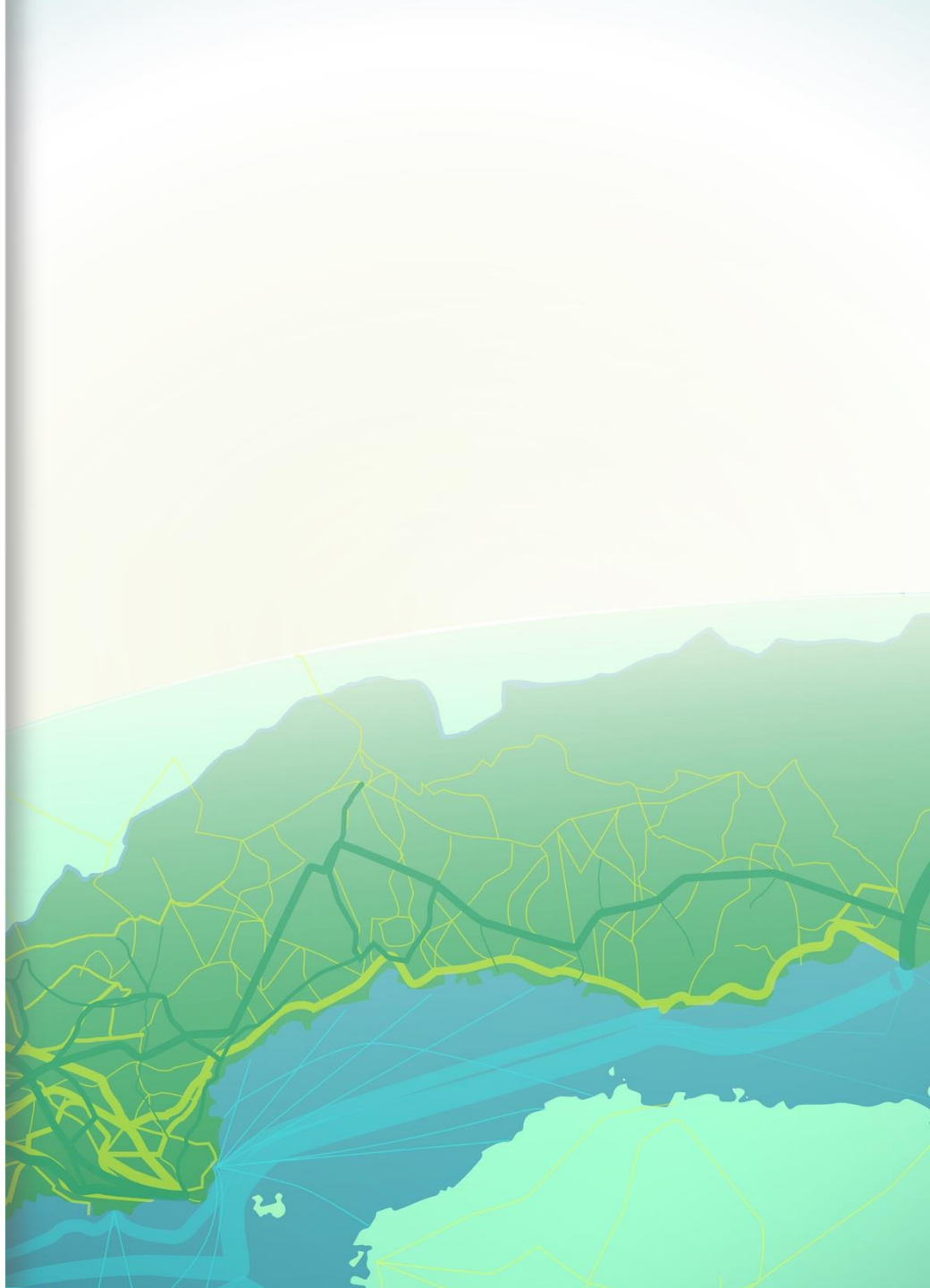
Goals

The goal is to have contributed to achieve Sweden's climate goals by 2030 and to a developed competitiveness for Swedish actors.

The program has two objectives:

Project portfolio - contribute results from research and development of solutions that involve clear steps towards a transition to a fossil-independent freight transport system

Collaboration - create a platform to develop and spread competence between actors and create a doctoral program.



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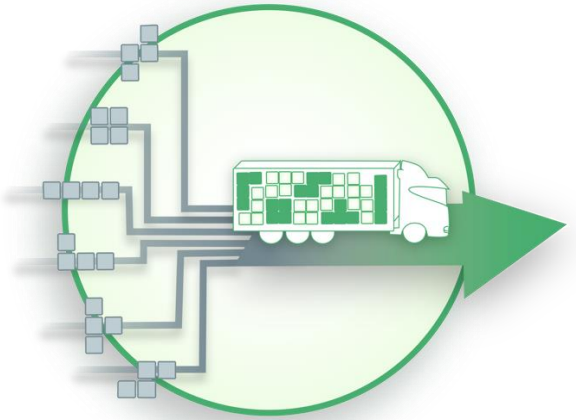
Triple F challenges

A more transport-efficient society



Switching to energy-efficient, fossil-free vehicles

Shift to renewable fuels

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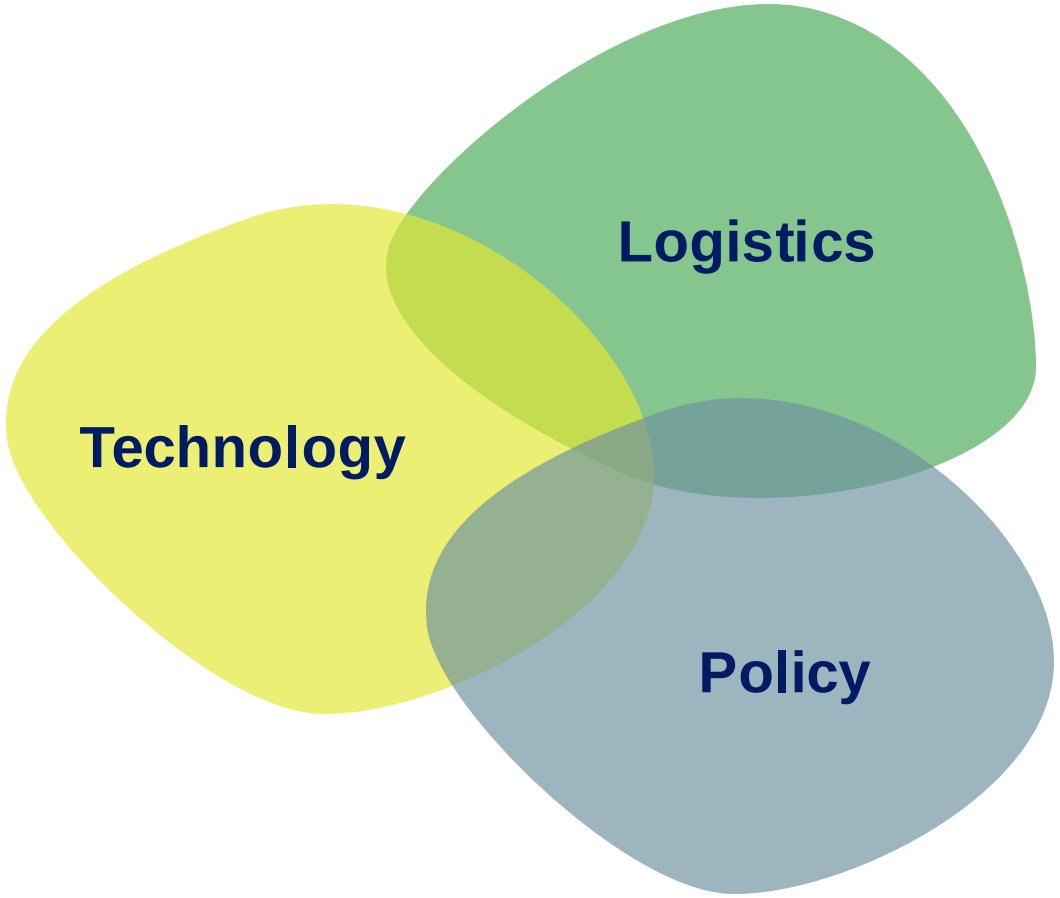
Triple F research areas



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Triple F framework

12 year program i three phases

- Establishment (2018 – 2020)
- Implementation phase 1 (2020 - 2025)
- Implementation phase 2 (2025 - 2030)

Financing Swedish Road Transport Administration

- 290 million SEK (approx. 26 million EUR)

In-kind contribution from industry and public authorities

- 100 miljoner SEK (approx. 9 million EUR)

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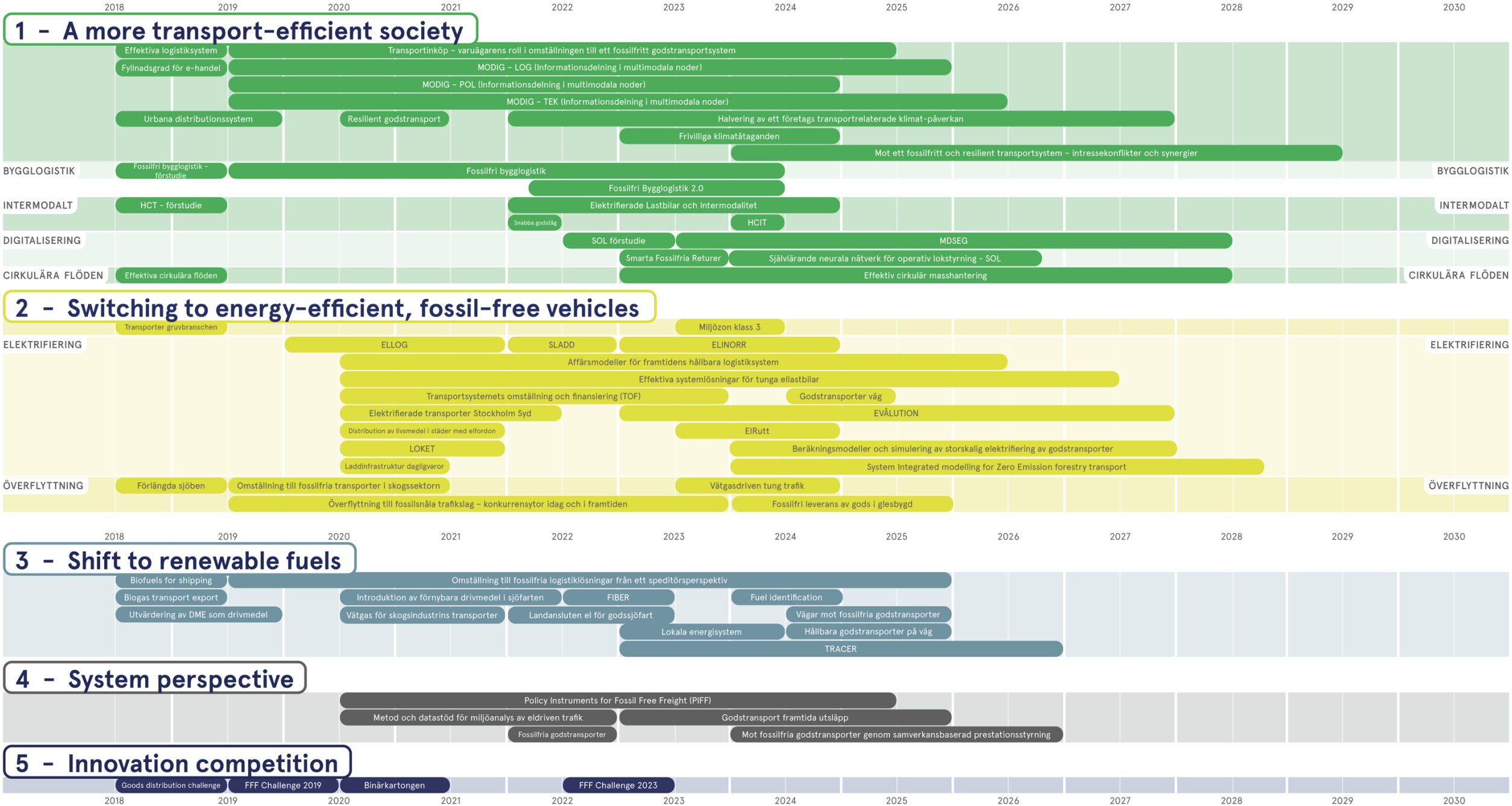
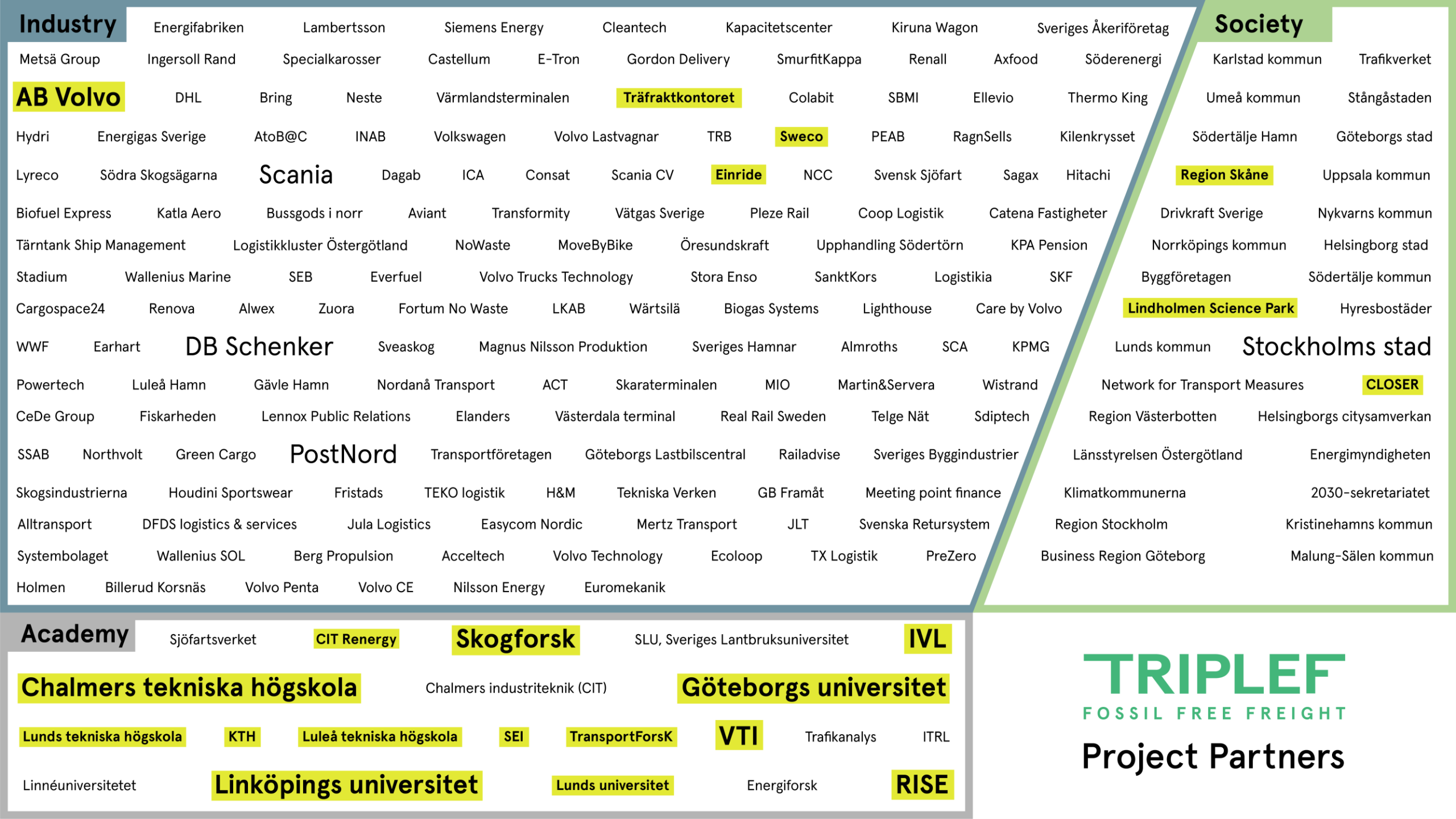
PROJEKTPORTFÖLJ 2018-2030

10/10/24




Industry
Energifabriken
Lambertsson
Siemens Energy
Cleantech
Kapacitetscenter
Kiruna Wagon
Sveriges Åkeriföretag
Metsä Group
Ingersoll Rand
Specialkarosser
Castellum
E-Tron
Gordon Delivery
SmurfitKappa
Renall
Axfood
Söderenergi
AB Volvo
DHL
Bring
Neste
Värmlandsterminalen
Träfraktkontoret
Colabit
SBMI
Ellevio
Thermo King
Hydri
Energigas Sverige
AtoB@C
INAB
Volkswagen
Volvo Lastvagnar
TRB
Sweco
PEAB
RagnSells
Kilenkrysset
Lyreco
Södra Skogsägarna
Scania
Dagab
ICA
Consat
Scania CV
Einride
NCC
Svensk Sjöfart
Sagax
Hitachi
Biofuel Express
Katla Aero
Bussgods i norr
Aviant
Transformity
Vätgas Sverige
Pleze Rail
Coop Logistik
Catena Fastigheter
Tärntank Ship Management
Logistikkluster Östergötland
NoWaste
MoveByBike
Öresundskraft
Upphandling Södertörn
KPA Pension
Stadium
Wallenius Marine
SEB
Everfuel
Volvo Trucks Technology
Stora Enso
SanktKors
Logistikia
SKF
Cargospace24
Renova
Alwex
Zuora
Fortum No Waste
LKAB
Wärtsilä
Biogas Systems
Lighthouse
Care by Volvo
WWF
Earhart
DB Schenker
Sveaskog
Magnus Nilsson Produktion
Sveriges Hamnar
Almroths
SCA
KPMG
Powertech
Luleå Hamn
Gävle Hamn
Nordanå Transport
ACT
Skaraterminalen
MIO
Martin&Servera
Wistrand
CeDe Group
Fiskarheden
Lennox Public Relations
Elanders
Västerdala terminal
Real Rail Sweden
Telge Nät
Sdiptech
SSAB
Northvolt
Green Cargo
PostNord
Transportföretagen
Göteborgs Lastbilscentral
Railadvise
Sveriges Byggindustrier
Skogsindustrierna
Houdini Sportswear
Fristads
TEKO logistik
H&M
Tekniska Verken
GB Framåt
Meeting point finance
Alltransport
DFDS logistics & services
Jula Logistics
Easycom Nordic
Mertz Transport
JLT
Svenska Retursystem
Systembolaget
Wallenius SOL
Berg Propulsion
Acceltech
Volvo Technology
Ecoloop
TX Logistik
PreZero
Holmen
Billerud Korsnäs
Volvo Penta
Volvo CE
Nilsson Energy
Euromekanik
Society
Karlstad kommun
Trafikverket
Umeå kommun
Stångåstaden
Södertälje Hamn
Göteborgs stad
Region Skåne
Uppsala kommun
Drivkraft Sverige
Nykvarns kommun
Norrköpings kommun
Helsingborg stad
Byggföretagen
Södertälje kommun
Lindholmen Science Park
Hyresbostäder
Lunds kommun
Stockholms stad
Network for Transport Measures
CLOSER
Region Västerbotten
Helsingborgs citysamverkan
Länsstyrelsen Östergötland
Energimyndigheten
Klimatkommunerna
2030-sekretariatet
Region Stockholm
Kristinehamns kommun
Business Region Göteborg
Malung-Sälen kommun
Academy
Sjöfartsverket
CIT Renergy
Skogforsk
SLU, Sveriges Lantbruksuniversitet
IVL
Chalmers tekniska högskola
Chalmers industriteknik (CIT)
Göteborgs universitet
Lunds tekniska högskola
KTH
Luleå tekniska högskola
SEI
TransportForsK
VTI
Trafikanalys
ITRL
Linnéuniversitetet
Linköpings universitet
Lunds universitet
Energiforsk
RISE
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Project Partners

Triple F partners

Universitet och institut

KTH Vetenskap och konst
Linköpings universitet
Göteborgs universitet
Dalarna Science Park
Chalmers
SSPA
Örebro universitet
ivl Svenska Miljöinstitutet
Jönköping University
SEI Stockholm Environment Institute
Lighthouse – Swedish Maritime Competence Centre
Högskolan i Halmstad
NTM – Järn för transport measures
Högskolan i Borås
skogforsk
Lund University
NetPort Science Park
Luleå tekniska universitet

Programledning

Lindholmen Science Park
vti
RI.SE

Samhälle

Göteborgs Stad
Västra Götalandsregionen
Stockholms stad
Helsingborg
Region Skåne
Transport Styrelsen
Borås Stad
Region Örebro län
Region Jönköpings län
Region Blekinge
Sjöfartsverket
Region Östergötland
Länsstyrelsen Västmanlands län

Näringsliv

Scania
Greencarrier
Volvo
3rd Bridge
DHL
postnord
DB Schenker
green cargo
FKG
Voith
Transportföretagen
Göteborgs Hamn
Gällivare Näringsliv 2.0
TRB
MaserFrakt
Skogs Industrierna
Chalmers Industriteknik
Trelleborgs Hamn AB – Port of Trelleborg
Svensk Sjöfart
MetsäBoard
Holmen
SCA
ScandFibre
Clean Motion
telenor connexion
coop
Combitech
MAN Energy Solutions
Vattenfall
APTIV
Ramböll
Flexiwaggon
proxio
SSAB
Sweco
WSP
einride