



# Trends in logistics towards 2030

OPPORTUNITIES FOR THE INDUSTRY

WALTHER PLOOS VAN AMSTEL – AUAS – OCTOBER 2017









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No more empty runs.

# DON'T MISS INTERRUPTIONS ANYMORE

## SYNFIOO 360° TRANSPORT MONITORING



Know what happens: Keep track of all transports and don't miss any interruptions anymore - traffic jams, severe weather, waiting times



Know when the transport arrives: Synfioo calculates your estimated time of arrival (ETA)



Start immediately: Register for free and enter your transports manually or upload as an Excel-file (.csv)



Free test: Register now and test 10 days with unlimited functionality, continue with attractive and monthly cancelable subscription plans afterwards





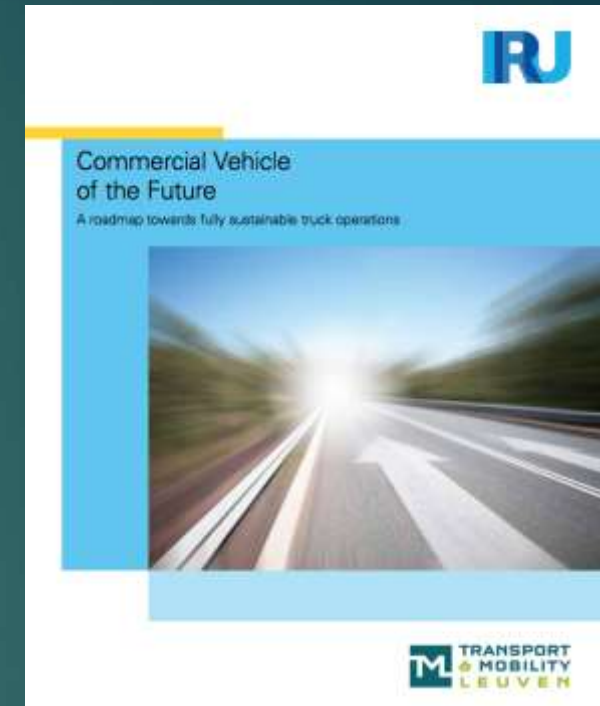
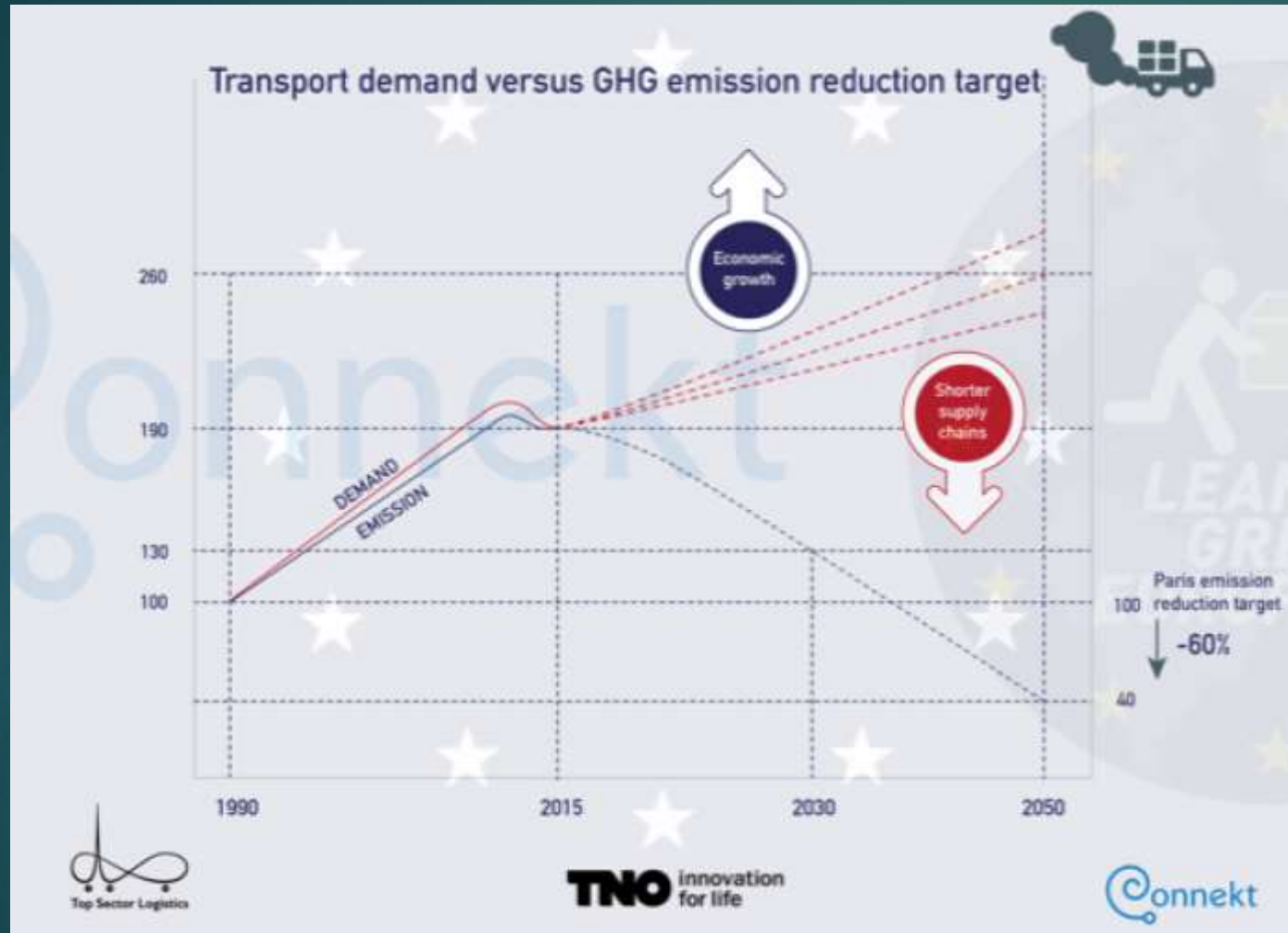
# Long term perspective: Challenges

- ▶ Changing consumer demands
- ▶ Changing partnerships
- ▶ Changing supply chains: reduce CO2 with factor 6
- ▶ Sharing data
- ▶ Take away's for the industry

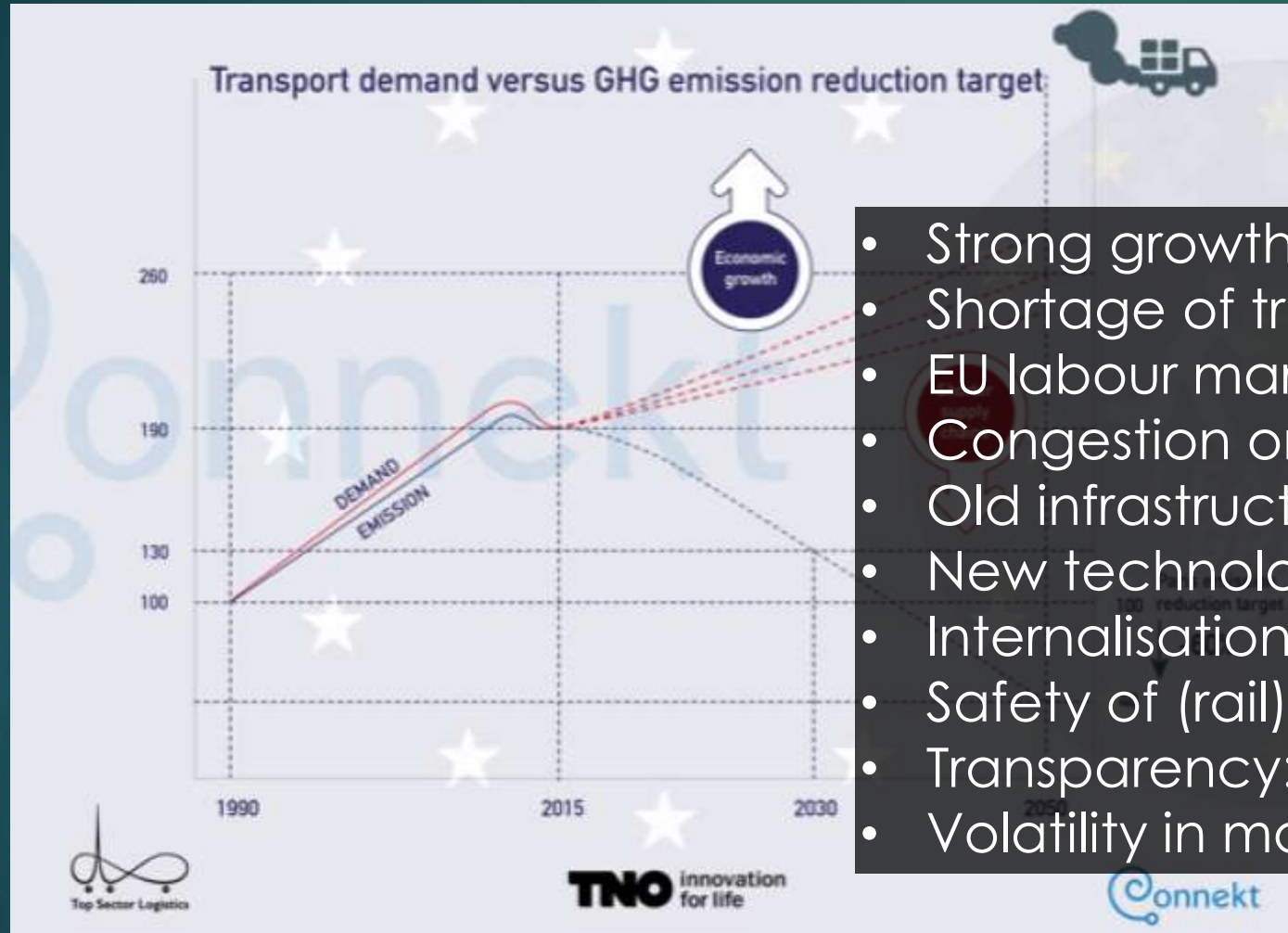
# Fresh, fast, in full, forecasted: more dynamic supply chains upstream



# The CO2 challenge: Factor 6



# The CO2 challenge: Factor 6



- Strong growth of transport market
- Shortage of truck drivers
- EU labour market conditions
- Congestion on road and rail
- Old infrastructure in EU
- New technology on board
- Internalisation of external cost
- Safety of (rail) transport
- Transparency: new business models
- Volatility in markets

strategy

processes

Planning and control

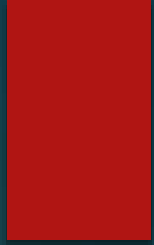
ICT

organisation

performance

local policies

national and EU policies



# Changing partnerships



# NEW SUPPLY CHAINS

strategy

processes

Planning and  
control

ICT

organisation

performance

local policies

policies

national and EU

Strategic sourcing:  
Total cost of ownership

# New supply chains

- ▶ Process flows (lean)
  - ▶ Hybrid networks
  - ▶ Hybrid sourcing
  - ▶ Synchromodal
  - ▶ OTIFNENC
- 
- ▶ Tactical and operational optimisation
  - ▶ More complexity





# NEW SUPPLY CHAINS

processes

strategy

# ALIGN PLANNING

Planning and  
control

ICT

organisation

performance

local policies

policies

national and EU

Strategic sourcing:  
Total cost of ownership

# Align planning and share data

- ▶ Predict and prepare:  
collaborative
- ▶ Sense and respond:  
common operational picture
- ▶ Starting point:  
a solid joint strategy



NEW SUPPLY CHAINS

ALIGN PLANNING

SOCIAL INNOVATION

# Social innovation: creating value of time together

- ▶ Strategic collaboration: shippers, transporters and government
- ▶ Planner 2.0: align planning operational and tactical
- ▶ The truck driver of the future
- ▶ Experiment: train as you fight...





# Long term perspective: Scenario's for the industry

- ▶ What if transport cost will go down with 40%?
- ▶ What if transport cost will go up with 40%?
- ▶ What if RFID will finally take over the barcode?
- ▶ What if robots will take over warehouses?
- ▶ What if all supply chain data are open?
  
- ▶ New supply chains: transport as key design factor
- ▶ Planning and control are a USP!
- ▶ New business models - xxx-as-a-service

