

2020



PASSENGER RAIL- CURRENT DEVELOPMENTS OF THE COVID-19 CRISIS IN EUROPE

Transport market scenarios and impact on operators, rolling stock owners and the railway industry



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CONTENT

- 1 Executive summary
- 2 Definition of scenarios
- 3 Continental Europe
 - 3.1 Current developments
 - 3.2 Development of rail freight transport performance
 - 3.3 Impact on operators
 - 3.4 Impact on rolling stock owners
 - 3.5 Impact on the rail vehicle industry
- 4 Germany
 - 4.1 Current developments
 - 4.2 Development of rail freight transport performance
 - 4.3 Impact on operators
 - 4.4 Impact on the rail vehicle industry
- 5 Italy
 - 5.1 Current developments
 - 5.2 Development of rail freight transport performance
 - 5.3 Impact on operators
 - 5.4 Impact on the rail vehicle industry
- 6 Czechia
 - 6.1 Current developments
 - 6.2 Development of rail freight transport performance
 - 6.3 Impact on operators
 - 6.4 Impact on the rail vehicle industry
- 7 Annex

Rail Passenger Transport

3 Continental Europe

Overview



Socio-economic data 2019
Population (mn)
CAGR Population 2018-23 (%)
Degree of urbanisation (%)
GDP per capita (PPP, USD)
GDP (current prices, USD bn)
CAGR GDP (real) 2018-23 (%)
Rail infrastructure 2019
Mainline railway network (km)
High-speed railway network (km)
Transport market 2019
Transport performance (billion pkm)
Average transport distance (km)
Rail modal share (%)
Share of PSO (%)
Share of Open Access (%)
Passenger rail fleet 2019
HST (units)
EMU (units)
DMU (units)
PC
E-Loco*
D-Loco*

* only for passenger rail

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3.1 Current developments

Covid-19 Epidemic

Italy – Covid-19 overview (as of xx.04.2020)
Confirmed
Confirmed per 10,000 people
Deaths
Recovered

Source: John Hopkins University

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Figure 1: Continental Europe: Covid-19 overview

In January 2020, individual cases of corona infections occurred in some European countries. The first cases were discovered on 24th January in France followed by Germany and Italy. XXX

Countries in Continental Europe started to reintroduce border controls after Corona cases in Italy and Germany rose quickly. In the beginning, citizen from high-risk countries were not allowed to cross borders to countries which implemented travel restrictions. XXX

Transport performance

XXX

Development transport performance of operators

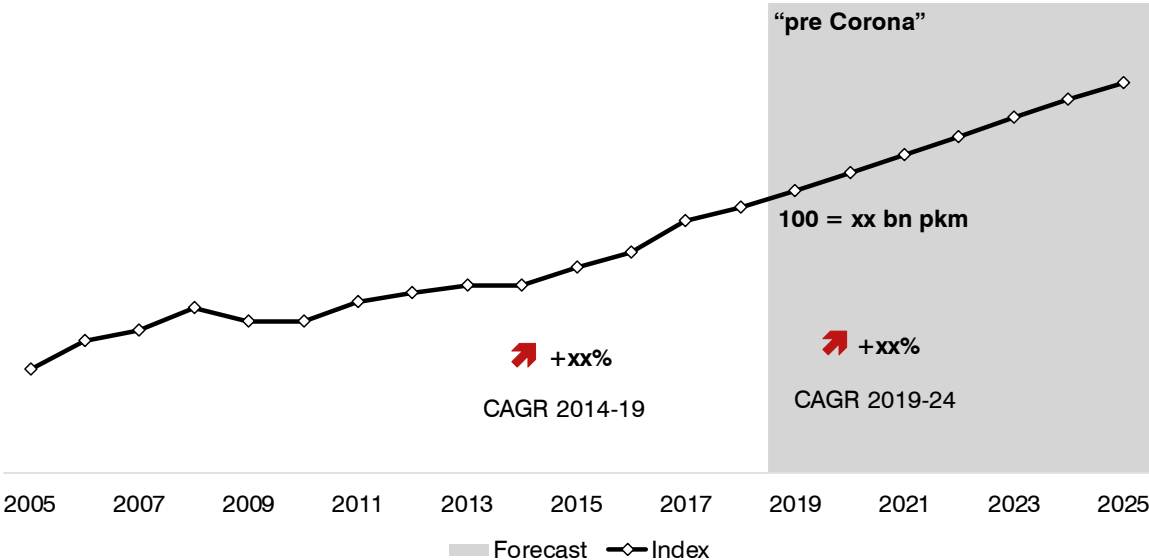
Operator	Development Q1 2020
-	-
-	-
-	-
-	-
-	-
-	-
-	-

Source: Company reports © SCI Verkehr
 Figure 2: Continental Europe: Development transport performance of operators

3.2 Development of transport performance

3.2.1 „Pre Corona“-Forecast

Continental Europe: Passenger rail performance “pre Corona” [pkm, Index 100 = 2019]



Source: Eurostat, Forecast: SCI Verkehr Q4 2019 © SCI Verkehr
 Figure 3: Continental Europe: Transport performance “pre Corona”
 [curves are for illustrational purposes only; they do not represent the results of the studies in this preview]

Continental Europe accounts for ~10% of the worldwide rail passenger performance and ranks second behind Asia. Germany and France are the largest markets and account for nearly half of the region's performance. XXX

Main drivers of transport performance

Drivers	Brief description	Relevance	Trend
Infrastructure	-	■■■	↗
Competition	-	■■■	↗
XXX	-	■■■	↗

Relevance for transport performance: ■■■ = very high, ■■■ = high, ■■■ = medium, ■■■ = low, ■■■ = none
 5-year trend: ↑ = strongly increasing, ↗ = increasing, → = constant, ↘ = decreasing, ↓ = strongly decreasing

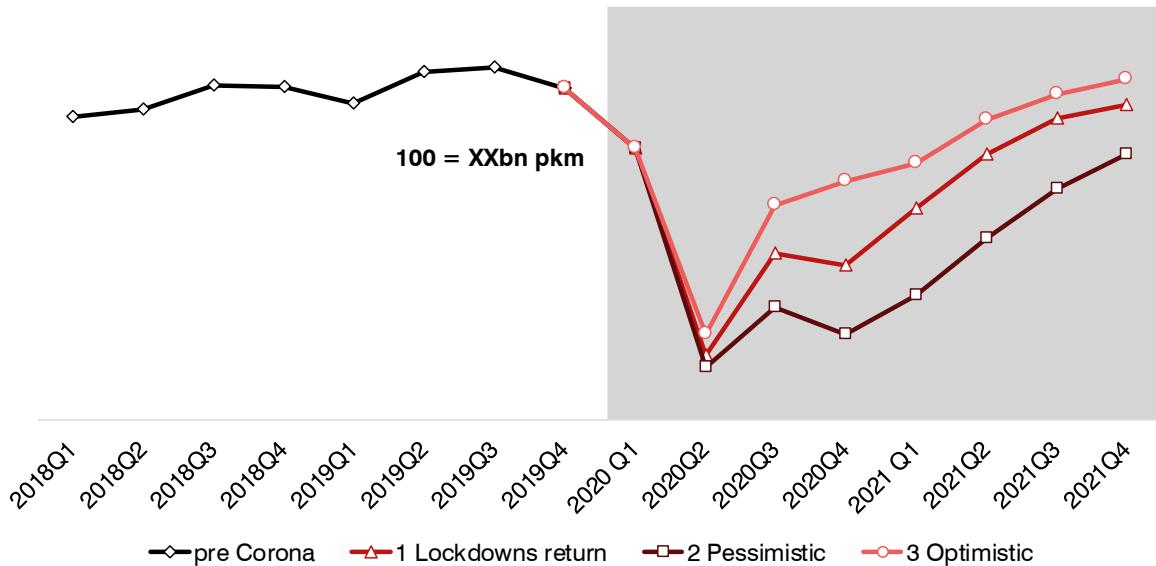
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Figure 4: Continental Europe: Main drivers of transport performance "pre Corona"

3.2.2 Scenarios

The corona pandemic will lead to an unprecedented decline in the passenger transport market in Continental Europe in 2020. In March and April, almost all countries introduced contact restrictions and curfews, as a result of which transport performance slumped by 40% (Sweden) to 90% (France, Italy). XXX

Continental Europe: Passenger rail performance per quarter scenarios [pkm, Index 100 = Q4 2019]



Source: Eurostat, Scenarios: SCI Verkehr

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[curves are for illustrational purposes only; they do not represent the results of the studies in this preview]

Transport performance Continental Europe [million Pkm]							
Year	2019	2020	2021	2022	2023	2024	2025
Pre Corona							
1 Lockdowns return							
2 Pessimistic							

Transport performance Continental Europe [million Pkm]							
Year	2019	2020	2021	2022	2023	2024	2025
3 Optimistic							

Figure 5: Transport performance Continental Europe scenarios

For the short-term developments until the end of 2021, the main driver is the development of the pandemic and as a result of the contact restrictions. XXX

Main drivers of transport performance

Drivers	Pre Corona	1 Lockdowns return	2 Pessimistic	3 Optimistic	Relevance
Contact restrictions					■■■
Mobility behaviour					■■■
XXX					■■■

Relevance for transport performance: ■■■ = very high, ■■■ = high, ■■■ = medium, ■■■ = low, ■■■ = none

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Figure 6: Continental Europe: Main drivers of transport performance scenarios



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