



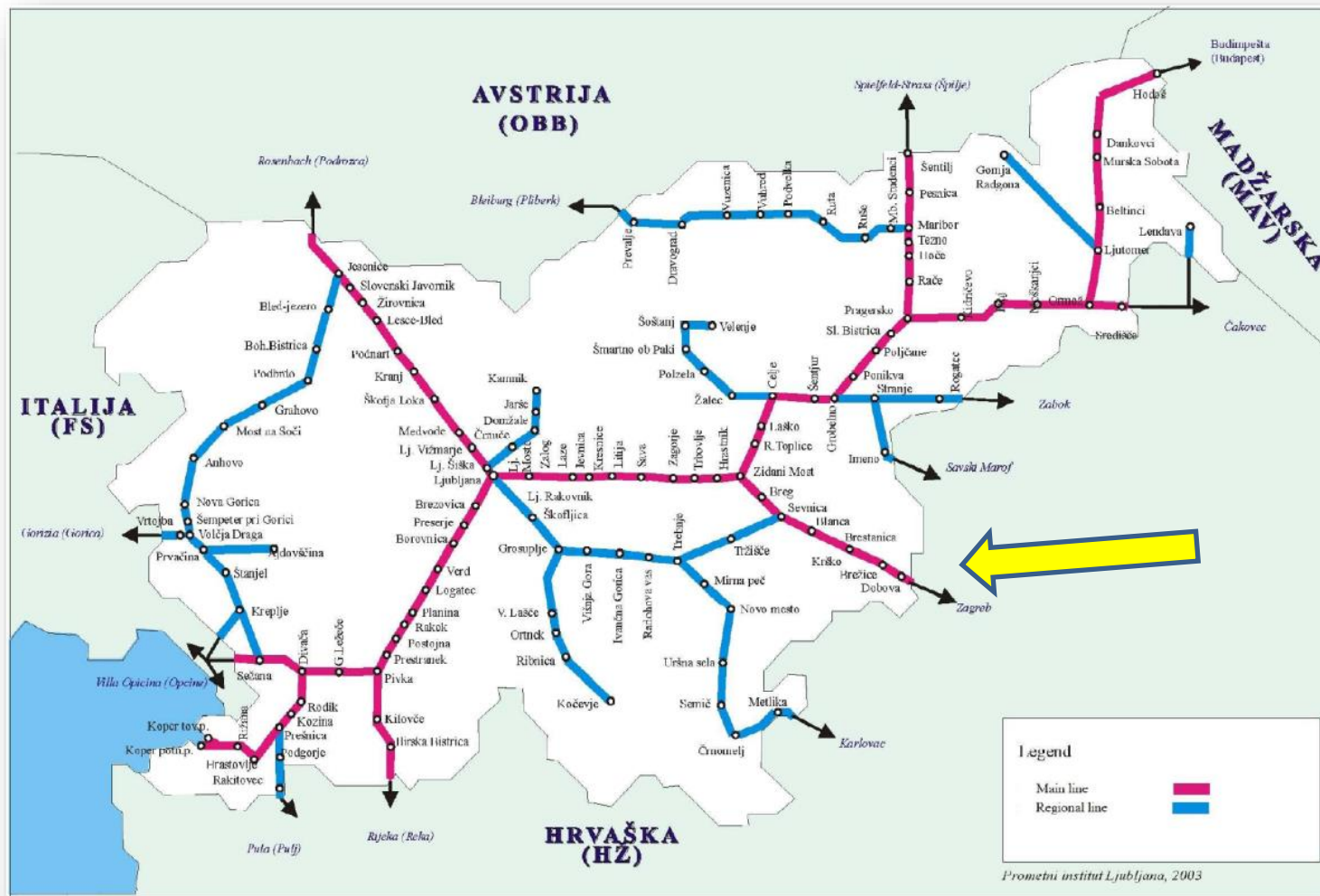
## SŽ-Infrastruktura, d.o.o.

### Analysis of the delays on the rail border station Dobova



**RFC6 TAG/RAG meeting, Marseille, 27.2.2019**

# Slovenian railway network



- 1207 km of railway lines
  - 50 % main lines
  - 39 % electrified (3kV DC)
  - 27 % double track line
- 365 km East-West axis
- 395 km North-South axis
- 128 rail stations
- 888 railroad crossings

## SŽ Rail Network – Planned increases of line capacity (in%)

### Rail Infrastructure Development Plan

- Axle load increase (minimum D3 on all lines)
- ERTMS/ECTS & GSM-R implementation
- New lines
  - Second track Divača-Koper (till 2025)
  - Second track Ljubljana-Jesenice (2030)
  - Second track Maribor-Šentilj (till 2025)

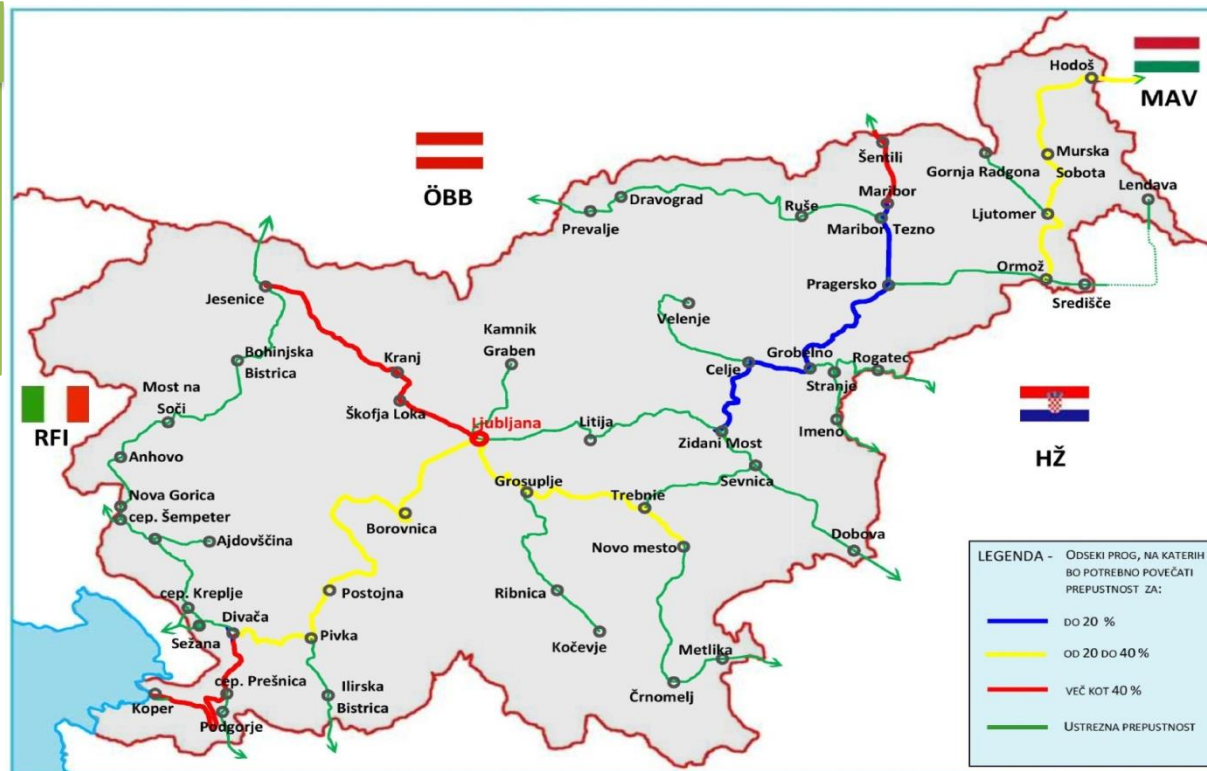


### Financing

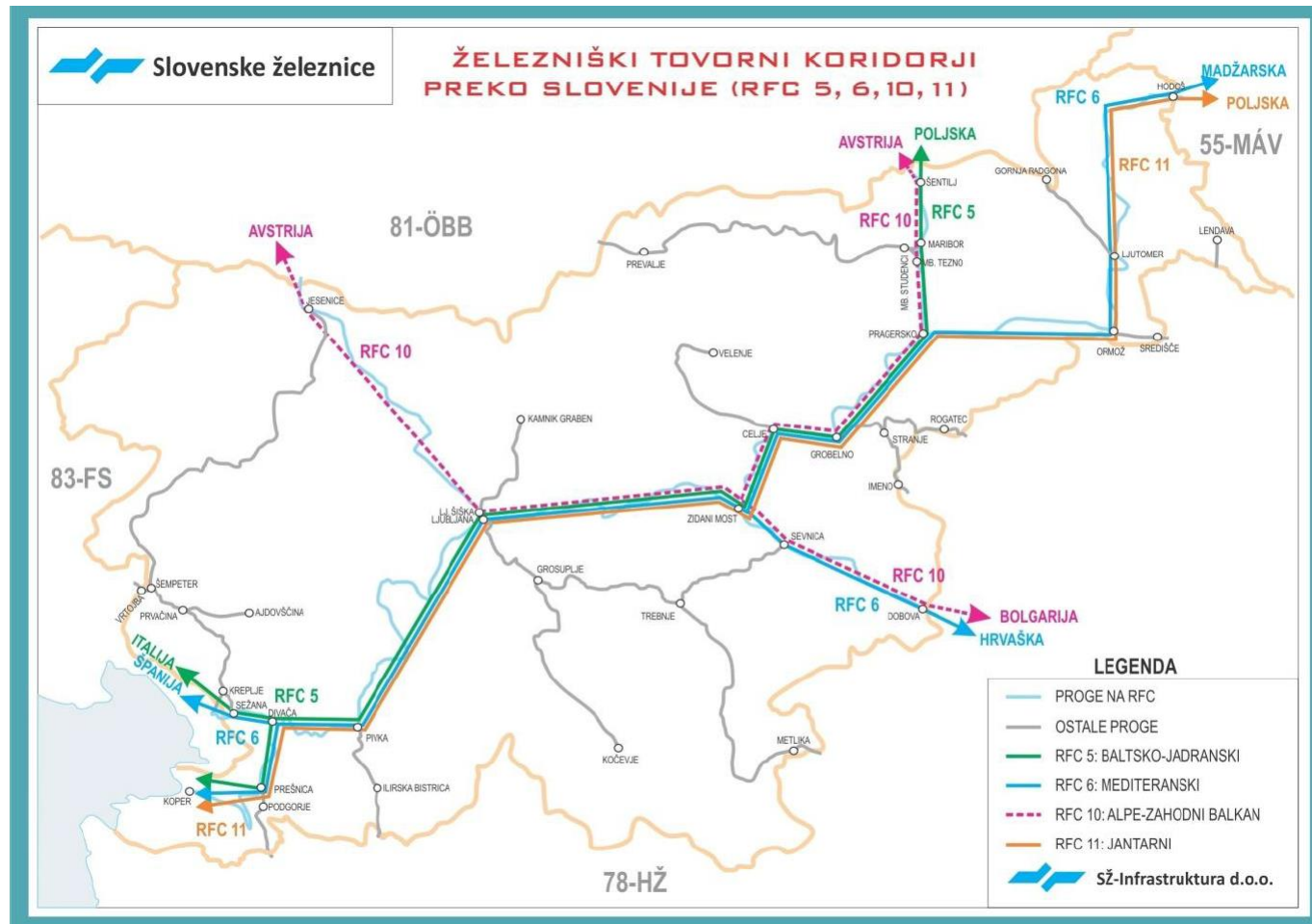
Highways 1996-2013: 6.0 billion EUR



Rail 2007-2023: 9.0 billion EUR



## FOUR RFC CORRIDORS THROUGH SLOVENIA



# RAIL TRANSPORT OF GOODS , Slovenija, 2017

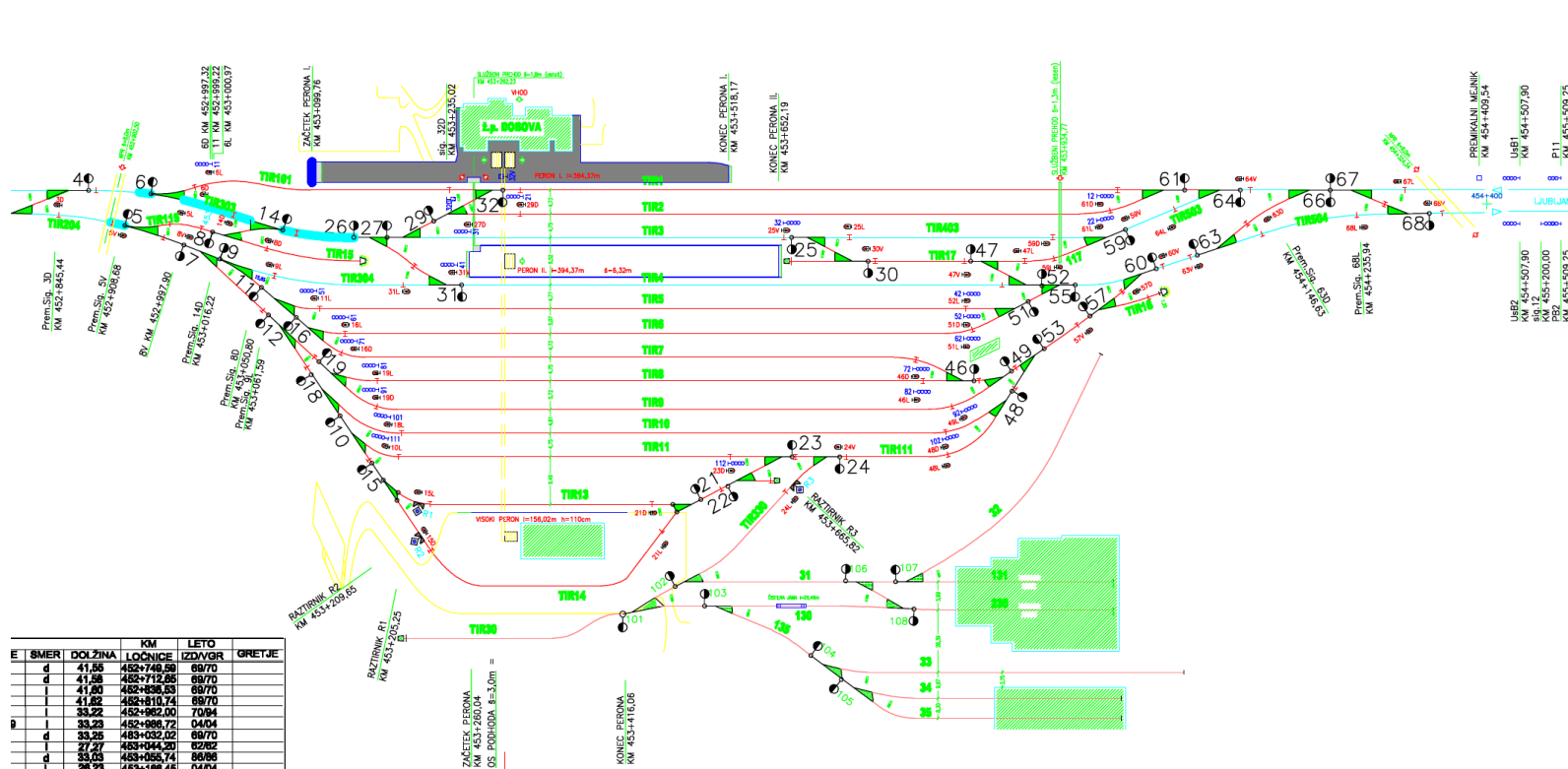
	1.000 t	mio. tkm
<b>Total</b>	<b>21.275</b>	<b>5.128</b>
Internal transport	3.064	629
International transport – goods loaded in Slovenia	8.390	2.099
International transport – goods unloaded v Sloveniji	5.644	1.308
Tranzit	4.177	1.092

# RAIL STATION DOBOVA- SITUATION

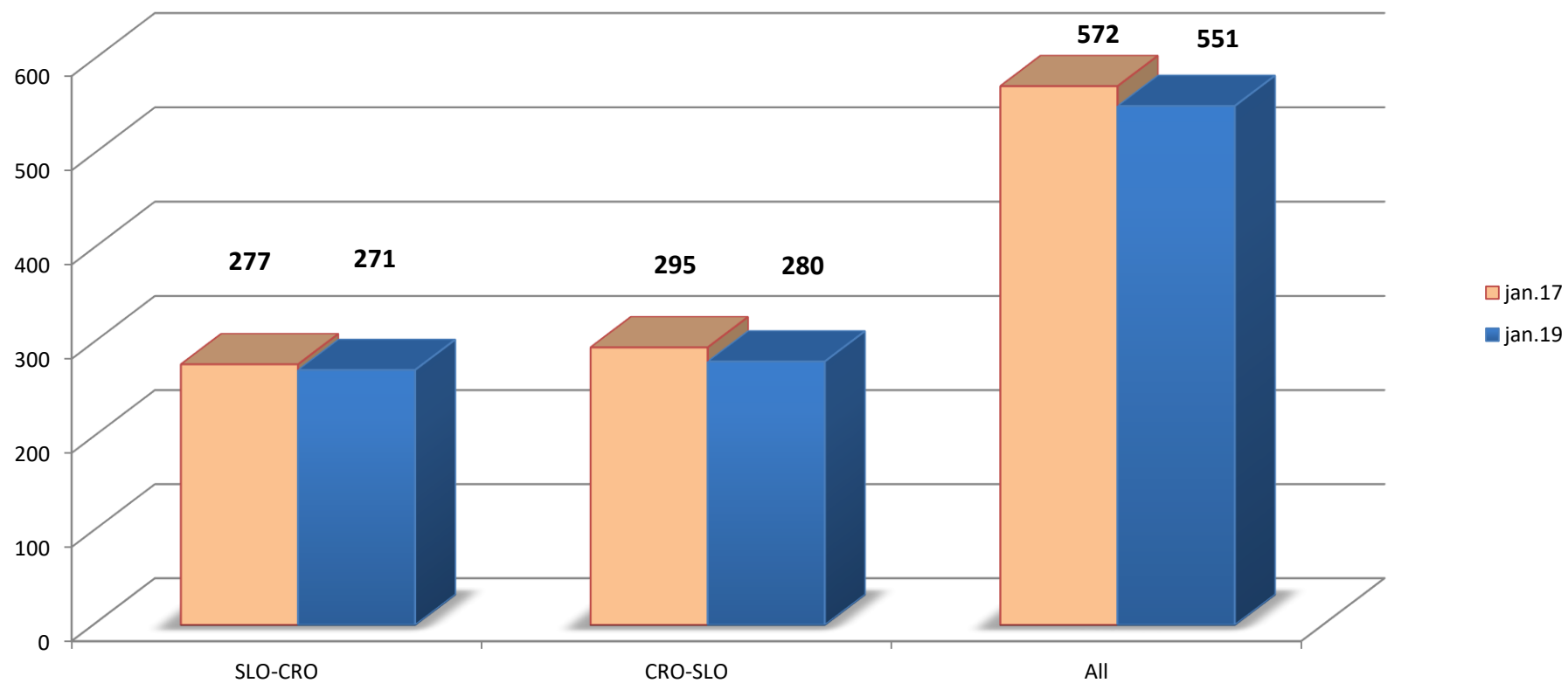
- Changing the locomotive due to different voltage of Slovenian and Croatian electric power supply system.
- Border control point of Slovenian police in accordance with EU Schengen legislation.
- The migrant crisis and security issues have caused much more detailed checks of the train, which causes additional delays.
- Each train is inspected, checks last from approximately 15 minutes (shorter inspection) up to 90 minutes (a detailed review). The length of the review is in the judgment of the Police.
- During the detailed inspection, the train is moved to TRACK 9 or 10, the voltage is switched off, check the chassis, the interior of the wagons and the roof of the wagons.



## TRACK SITUATION ON THE RAIL STATION DOBOVA

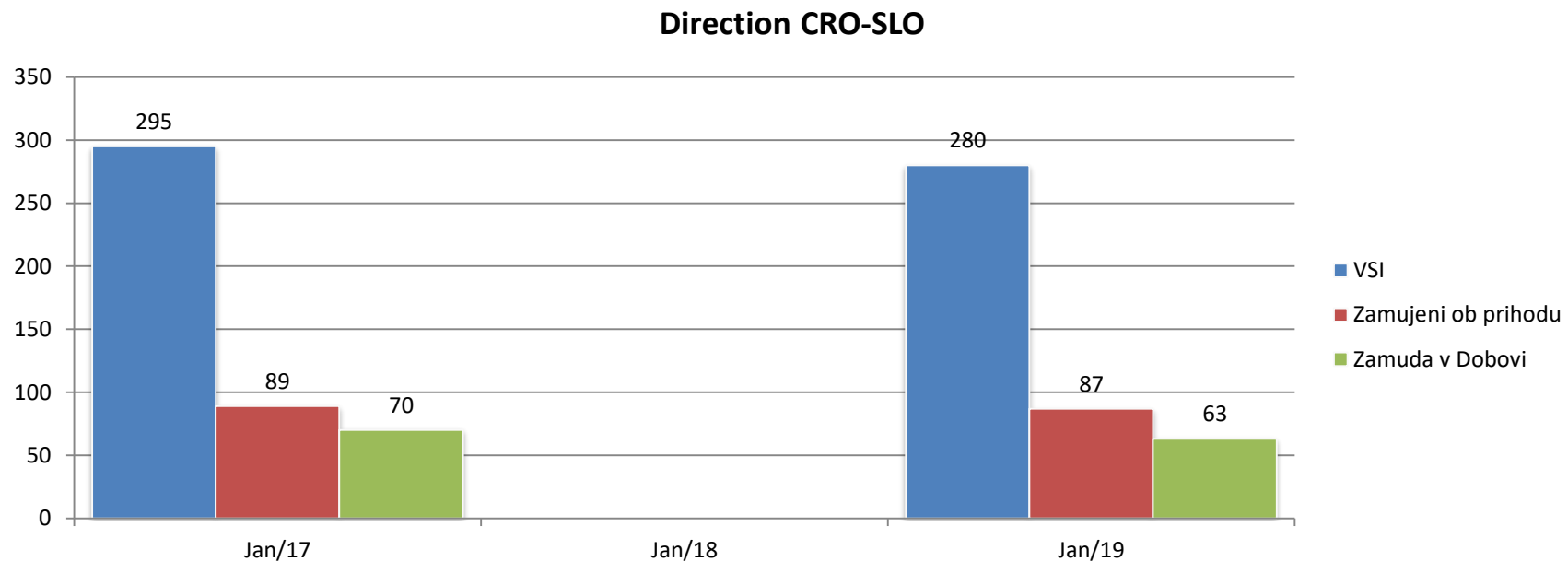


## Comparison of the number of trains at Dobova-JAN 2017/2019

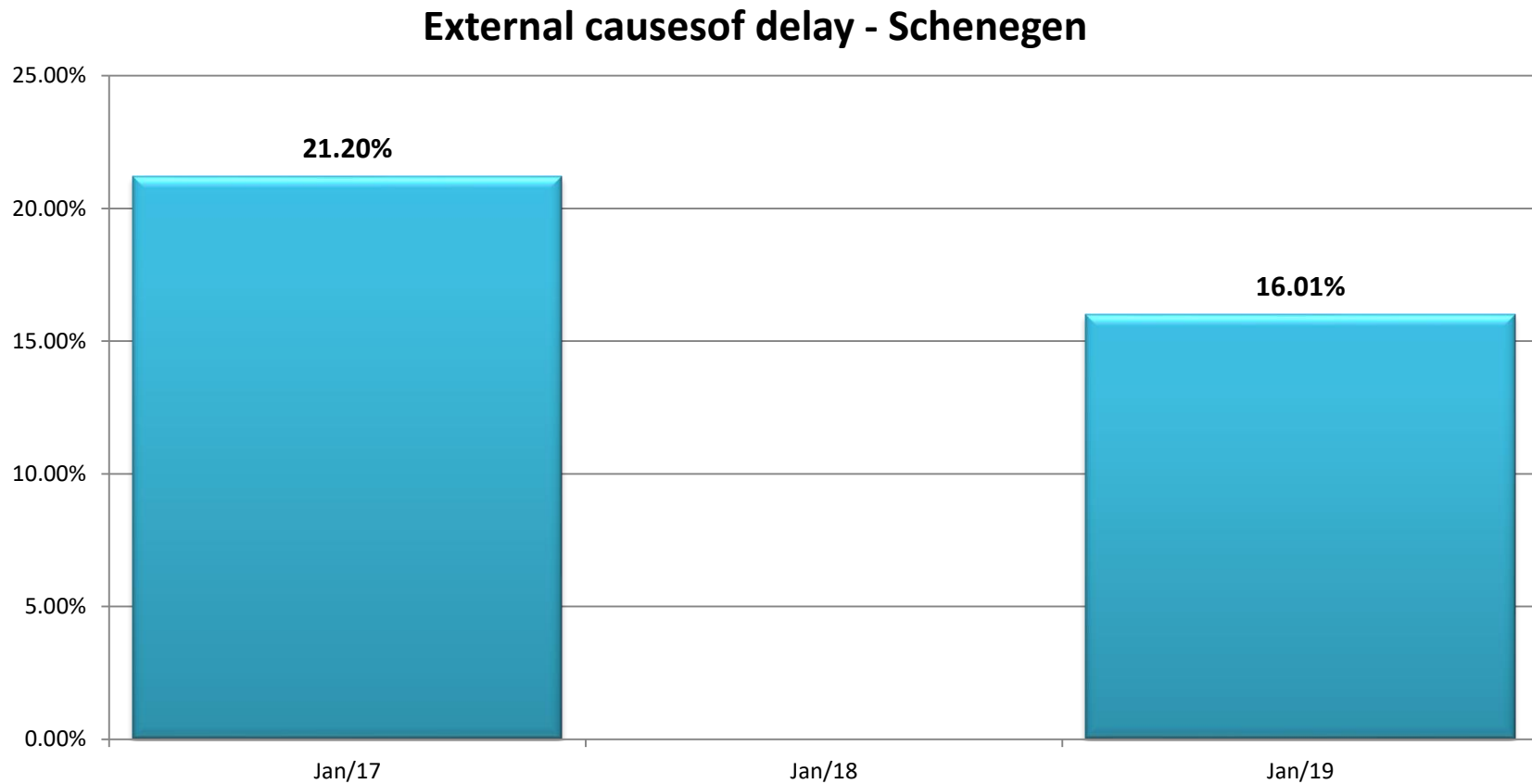




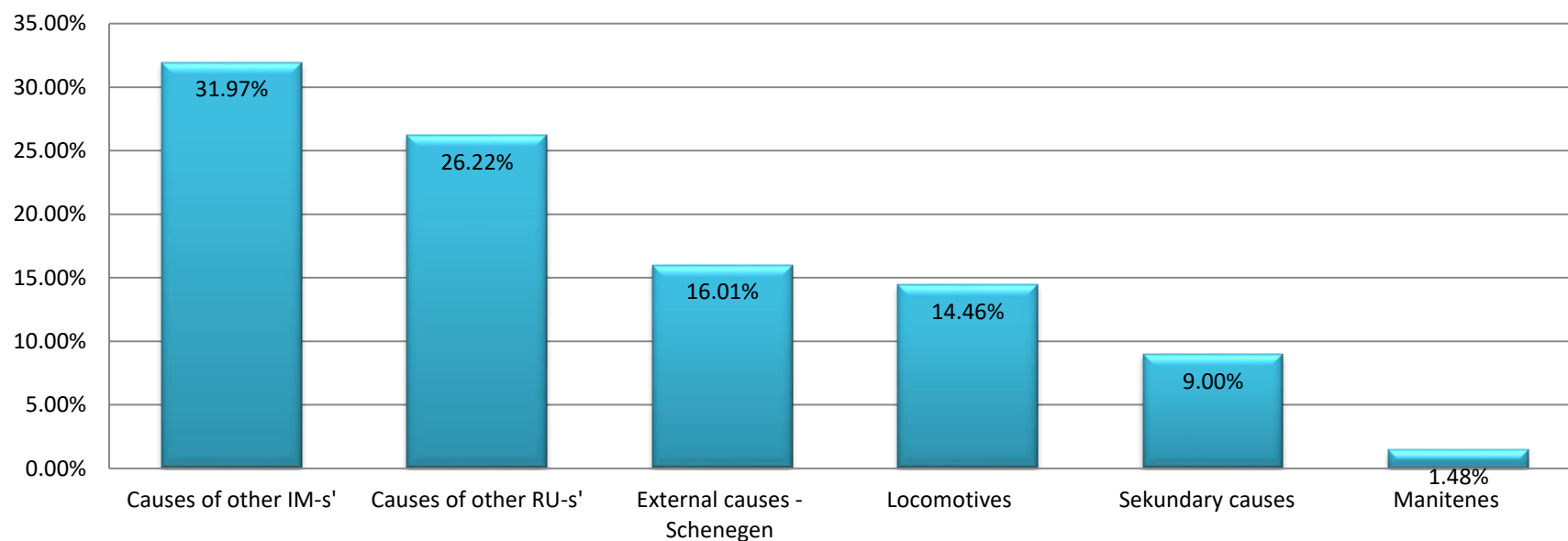
## Number of delayed trains in Dobova -jan2017 / 2019



## Dobova – comparison of the share of delays due to border controls



# Causes of delays – RS Dobova jan2019

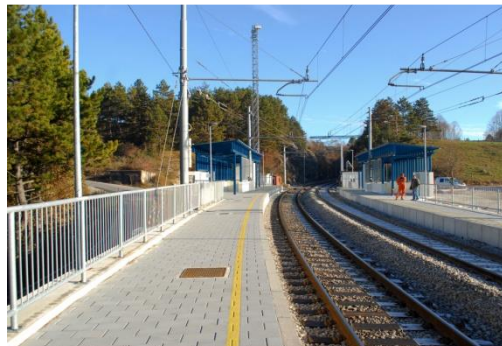
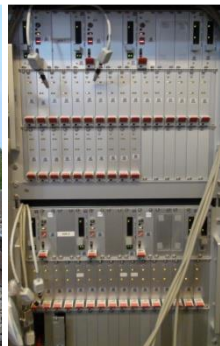
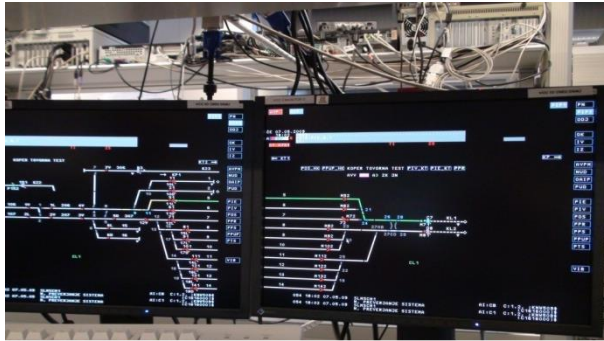


# ABSTRACT

- The delay in freight trains at the Dobova station is mainly due to delays caused by the neighboring IM or the neighboring (previous or sequential) RU-s, which also take into account trains that are detained due to uneven arrival in Dobova on the other IM (causing police and capacity procedures)
- The additional delay occurred at the Dobova station for trains from other IM (where more thorough checks were carried out by border authorities) decreased compared to 2017
- The main reason for the delay in the Dobova station is:
  - Non-implementation of the timetable (running of missed trains, especially transit trains) and the consistency of successive RU-s,
  - Receiving delayed trains from the neighbor IM-s.
  - Providing of towing vehicles (locomotive, longer train retention at the Dobova station),

# Actions to improve the situation

- A meeting with the police administration - already performed.
- Better co-operation (planning) between successive RU-s and IM-s.
- Respecting the timetable, providing traction locomotives according to the dynamics of transport.
- An additional number of employees by carriers who will assist the police in the checks - are being implemented.
- Use of technical protection and technical detection.
- Better control of trains at the EU's external borders.



Slovenske železnice-Infrastruktura, d.o.o.