



*ERDF and Cohesion Fund result indicators in the field of transport post 2020*

***Indicator RCR59 - Freight transport on rail***

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## *Key Details of the Indicator*

- **Indicator RCR59**  
Freight transport on rail
  
- **What does it Measure**
  - The number of tonne-kilometres produced on the scope of railway infrastructure that is the subject of the Project investment, over one year. It covers all types of rail freight.
  - Normally measured through aggregation of individual values for each section of railway in the Project intervention



# Data Required for the Indicator RCR59

## ○ Freight Volumes per section

- Intervention is broken down into homogenous sections with very similar levels of traffic
- This will usually be sections between junctions or freight yards

## ○ Section lengths in kms

- Length of each section is determined precisely using official technical data

## ○ Data for factoring up counts to annual value

- If measured freight data available only for a shorter period
- Profiles may be needed for daily, weekly and monthly variation in traffic flows

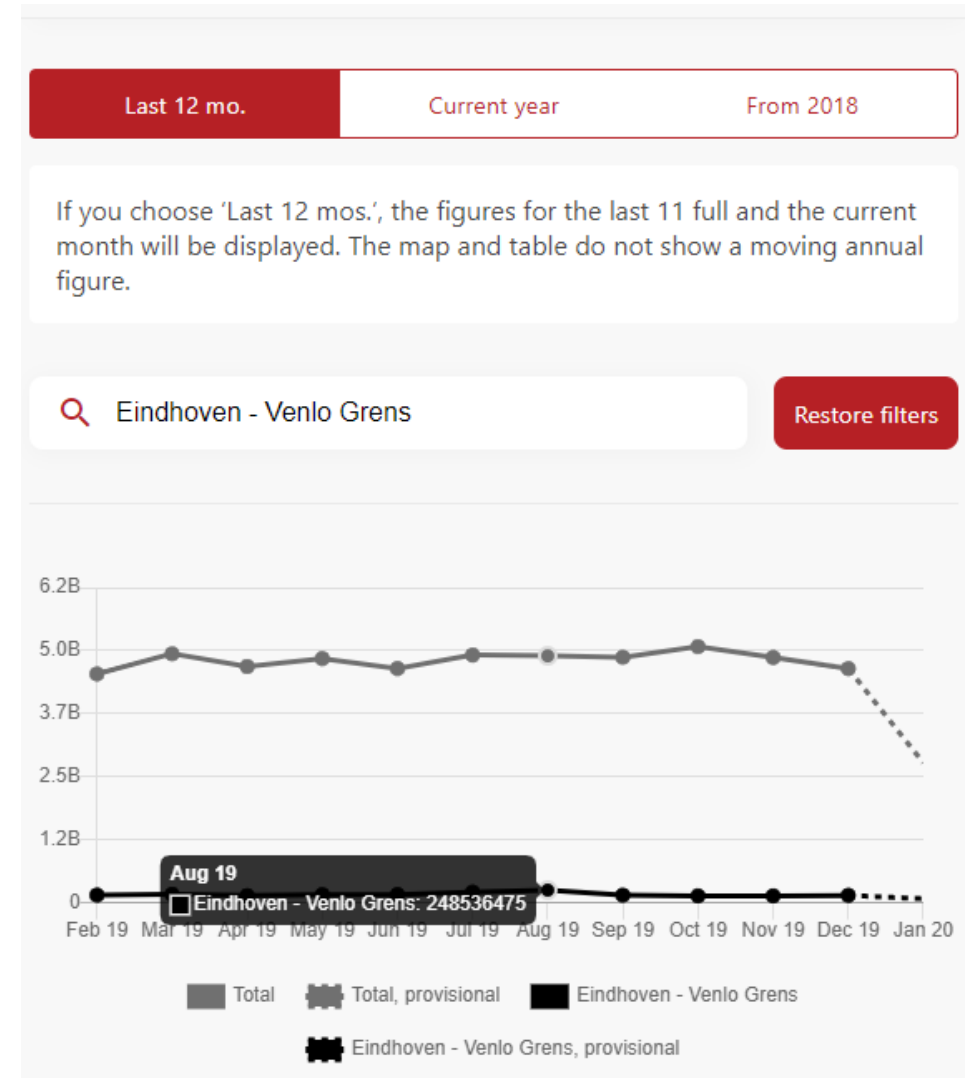
## ***Data sources - 1***

- **Field Surveys**  
Field surveys can't measure tonnes, and therefore have limited application for this indicator.
  
- **Data request from stakeholders (Infrastructure Managers)**
  - This data should be available, as annual reporting is required by Regulation (EU) 2018/643 (recast), requiring national statistics agencies to supply Eurostat with data on net tonnes, net tonne-kms and TEUs carried over one year.
  - The Regulation only requires data for the whole network rather than a breakdown per sections.

## Data sources - 2

- **Data request from stakeholders**  
The data is normally supplied to the national statistics agencies by the Infrastructure Managers (IM), but may also come from individual Railway Undertakings (RU).
- **Other Online Tools**  
Some IMs publish this data “live”:

<http://kpi.prorail.nl/tonkilometers?lang=en>



## ***Further considerations on data for Indicator PCR 59***

### ○ **Gross vs net tonnes**

- Net tonne-kms may not always be directly available from infrastructure managers, yet gross tonne-kms should always be known, as this is one of the main parameters for the calculation of infrastructure charges.
- If the IMs or RUs provide only gross tonnes rather than net tonnes, a conversion will have to be made from gross to net using the average empty weight of the train type. This would be less precise but still useful.

## Calculating the Indicator

- **Freight Volumes (in tonnes)**  
Direct report of volumes. No calculation needed
- **Tonne-km**  
Need to factor volumes by the length for the specific section

$$[\text{TONNE-KM}] = [\text{TONNE}_A] \times [L]$$

*Where*

<i>TONNE-KM:</i>	<i>The value of the indicator</i>
<i>TONNE<sub>A</sub>:</i>	<i>The volume of tonnes carried for the year</i>
<i>L:</i>	<i>The length of the relevant section</i>

# Indicator RCR58 - Annual users of newly built, upgraded, reconstructed or modernised railways (rail pax-km)

## Questions to the audience:

**Q1:** From the project fiche provided (and PPT presentation) do you have a clear understanding of the concept of Indicator RCR58?

GREEN = Full understanding + recommendations

ORANGE= Partial understanding, some clarifications needed

RED = Limited understanding, clarifications needed

[Please list any clarifications needed]



# Indicator RCR101 - Time savings due to improved rail infrastructures (passenger-hours/year)

## Questions to the audience:

**Q1:** From the presentation, do you have a clear understanding of the concept of Indicator RCR101?

GREEN = Full understanding + recommendations

ORANGE= Partial understanding, some clarifications needed

RED = Limited understanding, clarifications needed

[Please list any clarifications needed]

# Indicator RCR59 - Freight transport on rail (tonne-km/year)

## Questions to the audience:

**Q1:** From the presentation, do you have a clear understanding of the concept of Indicator RCR59?

GREEN = Full understanding + recommendations

ORANGE= Partial understanding, some clarifications needed

RED = Limited understanding, clarifications needed

[Please list any clarifications needed]