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

Indicator RCR60 : Freight Transport on Inland Waterways

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Key Details of the Indicator

- **Indicator RCR60**
  Freight Transport on Inland Waterways (tonne-km/year)

- **What does it Measure**
  The tonne-km measurement provides an indication of the intensity of use of a waterway at a given point in time, calculated as a function of the volume transported and also the distance that they travel. It is measured through the aggregation of individual values for each relevant segment of the network.

  It is understood that the tonne-km refers to **net** tonnes (i.e., the weight of the goods being carried excluding the weight of the vessel in question).

  There is a distinction between containers, dry bulk and liquid bulk.

Data Sources - 1

- **Field Surveys.** Field surveys can measure vessels but not tonnes, and would therefore need to be supplemented by estimates of average tonnes/vessel, which may be based on data contained in a project feasibility study.
- **Installed Technology.** As above, installed technology such as cameras can assist in understanding the number of vessels, but cannot provide information on tonnage, and as above would need to be supplemented by estimates of average tonnes/vessel which may be contained in a feasibility study.

Data Sources - 2

- **Operator Data.** Operator Data is the main source of information for this indicator – river management authorities (for e.g., Danube or Rhine) collect such data at a disaggregate level.

- **Other Online Tools.** A variety of information on usage of inland waterways is available online. As an example, Eurostat compile EU-wide data including e.g., country-country flows, TEU-kms, % of containers empty, tonne-kms).

Data Required for this Indicator - 1

- **Freight Volumes**
  These should be requested from the relevant river authority/government agency for the required period. The data request should require the following (either for an entire year or daily/weekly/monthly data, whichever is available):
  - Number of vessels in each direction
  - Volumes carried in each direction (e.g., net tonnes, or net tonne-kms)
  - Any periods of disruption (e.g., due to navigational obstacles)

- **Length of the Section**
  This should be available from the river authority or can be measured from project documentation.

Calculating the Indicator (1)

- **If provided data in terms of tonne-kms**
  Direct report of volumes. No calculation needed

- **If provided data (on e.g., dry or liquid bulk) in terms of tonnes**
  Need to factor volumes by the length for the specific section

[TONNE-KM] = [TONNE] x [L]

Where *TONNE-KM:* *The value of the indicator*
TONNE: *The volume of tonnes carried for the year*
L: *The length of the relevant section*

Calculating the Indicator (2)

- **For containers**
  If data provided on the number of containers (typically measured in terms of TEUs, twenty-foot equivalent units), the following formula may be used:

[TONNE-KM] = [TEUs] x [L] x [SHARE UNEMPTY] x [TONNEs/TEU]

where,

TONNE-KM:	*The value of the indicator*
TEUs:	*The number of TEUs/year in a section*
L:	*The length of the relevant section*
SHARE UNEMPTY:	*Proportion of containers moved which aren't empty*
TONNEs/TEU:	*Average net weight of goods in tonnes/laden TEU*

Indicator RCR64 - Annual users of dedicated cycling infrastructure (persons/year)

Questions to the audience:

Q1: From the presentation, do you have a clear understanding of the concept of Indicator RCR64?

GREEN = Full understanding + recommendations

ORANGE= Partial understanding, some clarifications needed

RED = Limited understanding, clarifications needed [Please list any clarifications needed]

Q2: In your country, which data collection method would be most likely to be used?

Ans.1: Manual counts

Ans.2: Temporary counters

Ans.3: Permanent counters

Ans.4: Other (please specify)

Indicator RCR60 - Freight transport on inland waterways (tonne-km/year)

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Q2: In your country, which data collection method would be most likely to be used?

Ans.1: Operator data

Ans.2: Field surveys

Ans.3: Installed technology

Ans.4: Other (please specify)