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

Indicator RCR64 : Annual Users of Dedicated Cycling Infrastructure

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Key Details of the Indicator

- **Indicator RCR64**
  Annual Users of Dedicated Cycling Infrastructure

- **What does it Measure**
  The Annual Users measurement provides a spot indication of the level of use of a section of cycling infrastructure. Understanding the specific use pattern of each user would require quite complex surveys, and hence the measurement is focused at a single location only which is deemed to represent the full length.

Data Sources - 1

- **Field Surveys**
  In most cases, field surveys are expected to be the main source of data for this indicator, as these can be easily collected at a specific location.

- **Installed Technology**
  Permanent Counters assist in converting short period field surveys into longer duration estimates of transport activity. They can also provide annual data when permanently installed

- **Published Datasets**
  It is possible to use datasets from other locations which may provide information on the profile of demand over a day, month or year. These can then be used to convert short-term counts to annual numbers

Data Sources - 2

- **Other Online Tools**
  Limited Relevance to this indicator.

- **Operator Data**
  Limited Relevance to this indicator.

Data Required for this Indicator

- **The Representative Location**
  Identify the location on the project that is deemed to be representative of the number of users (i.e. the majority of users pass this point)

- **Cycle Volumes**
  The indicator is reported as Annual Users. This can be done in two ways:

  - **Field Surveys and Published Datasets**
    Manual Counts (Personnel) or Installed Technology (Temporary Counters) over a short period (e.g., 2-7 days) and extrapolated to annual value; or

  - **Installed Technology**
    Install a permanent counter to measure data directly over the year

Main Considerations

- **Counting Method**
  Manual or Automatic Counts, depending on the period, labour costs and number of projects

- **Impact of Weather**
  Can be a very significant factor in cycling demand.

- **Generation of AADT**
  Practitioners should be very familiar with the methodologies.

- **Forecast (Target) Values**
  Use of targets based on benchmarking or experience.

Calculating the Indicator

- **Permanent Counter**
  Direct report of volumes. No calculation needed

- **Short Period Count**
  Requires Conversion to Annual Volume

$$[\text{Annual}] = [\text{COUNT}] \times [PC_H] / [PC_A]$$

Where *Annual: The annual estimate*
PC_H: *The Permanent Counter for the short period*
PC_A: *The Permanent Counter for the full year*

Conversion can use published data (e.g. https://data.smartdublin.ie/dataset/cycle-counters)