

40. Outputs (activity)

Overview

Target

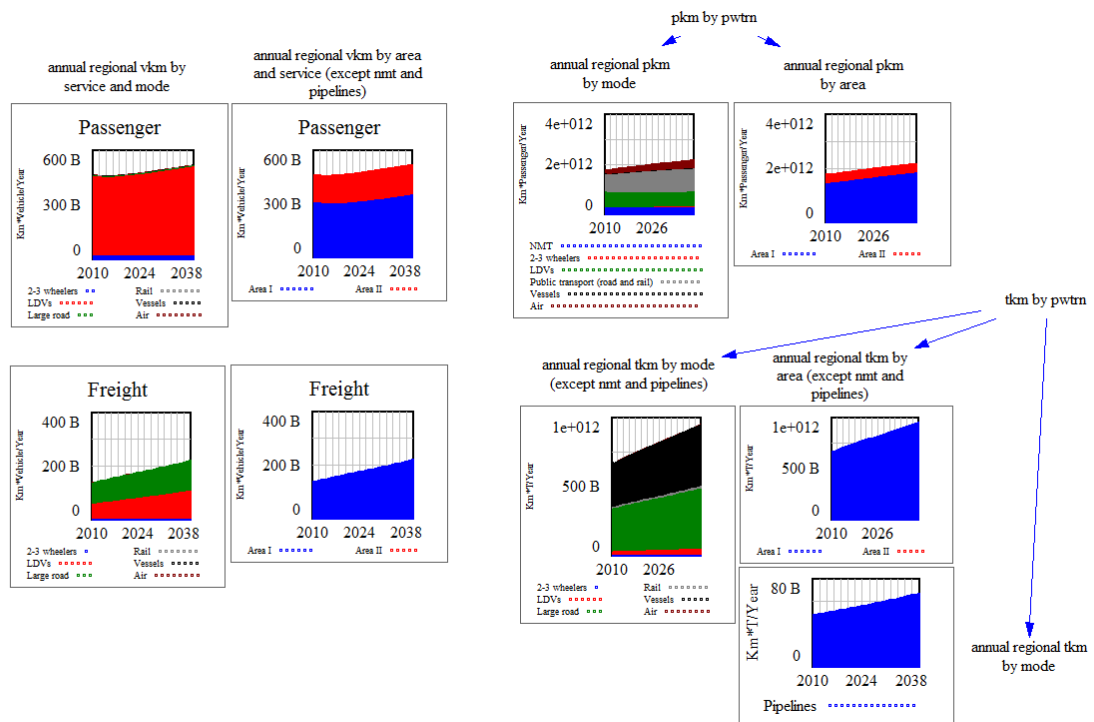
The purpose of this view is to show the results in respect of transport activity (vkm, pkm and tkm) aggregated at different levels.

Structure

The left half of the view focus on vkm outputs, while the right half contains the graphs on pkm (above) and on tkm (below).

Figure 40.1 shows the Vensim sketch of the view.

Figure 40.1 Vensim sketch of the view "outputs (activity)"



Detailed description of the view

Inputs

The inputs entering this view are the variables "PKM BY PWTRN" (PASSENGER), "TKM BY PWTRN" (FREIGHT) and "VKM BY PWTRN" (SERVICE/FREIGHT). All of them are calculated in the view "activity, loads and stock aggregates". These variables are disaggregated by area, mode, vehicle class and powertrain, and also by service in the case of vkm.

Outputs

The outputs are aggregated across different vehicle classes and powertrain technologies.

The four graphs located in the left half of the view refer to annual vkm for a specific service. From left to right, and from top to bottom, the graphs contain the following information:

- "Freight vehicle travel by mode"
Annual vkm over time corresponding to the service FREIGHT and stacked by mode (excluding pipelines). The results are aggregated across all areas. Two and three-wheelers are shown as a single mode.
Units: vehicle*km/year.
- "Passenger vehicle travel by area"
Annual vkm over time corresponding to the service PASSENGER and stacked by area. The results are aggregated across all modes (excluding non-motorised transport).
Units: vehicle*km/year.
- "Passenger vehicle travel by mode"
Annual vkm over time corresponding to the service PASSENGER and stacked by mode (excluding non-motorised transport). The results are aggregated across all areas. Two and three-wheelers are shown as a single mode.
Units: vehicle*km/year.
- "Freight vehicle travel by area"
Annual vkm over time corresponding to the service FREIGHT and stacked by area. The results are aggregated across all modes (excluding pipelines).
Units: vehicle*km/year.

The two graphs on the top right of the view show the results for annual pkm and refer to the passenger transport service. From left to right, the graphs concern:

- "Passenger transport activity by mode"
Annual pkm over time stacked by mode. The results are aggregated across all areas. Two and three-wheelers are shown as a single mode. The label 'Public Transport' includes the modes LARGE ROAD and RAIL together.
Units: passenger*km/year.
- "Passenger transport activity by area"
Annual pkm over time stacked by area. The results are aggregated across all modes.
Units: passenger*km/year.

The three graphs on the bottom right of the view provide information on annual tkm in case of freight service. From left to right and top to bottom, they focus on:

- "Freight transport activity by mode"
Annual tkm over time stacked by mode (excluding pipelines). The results are aggregated across all areas. Two and three-wheelers are shown as a single mode.
Units: tonne*km/year.

- "Freight transport activity by area"
Annual tkm over time stacked by area. All the results are aggregated across all modes (excluding pipelines).
Units: tonne*km/year.
- "Pipelines transport activity"
Annual tkm over time in case for pipelines. The results are aggregated across all areas.
Units: tonne*km/year.