PTV Group Training at hEART 2023 Sept 5th, 2023

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Extensible ABM modeling with ActivitySim + PTV Visum

(14.00 – 15.45 CET @ HIL H 35.1)

During the first section of our PTV training, we will introduce you to recently developed PTV features that support activity-based demand modeling (ABM). The demand models themselves are specified and executed in ActivitySim, a popular open-source ABM framework from the U.S. By embedding ActivitySim into a PTV Visum model, we avoid a closed-box approach and offer users an extensible solution. In this training, you will get a chance to work through a small example.

Publishing results from PTV Vissim on the web for enhanced collaboration

(16:15-17:30 CET @ HIL H 35.1)

The increasing activities to shift mobility towards more sustainable modes of transport lead to intense political discussions, involving stakeholders with various backgrounds. To support such decision-making processes, we develop web-based tools to publish Vissim models in an easily accessible and interactive way, reaching out to non-modeling experts. This sets the foundation for an informed and fact-oriented decision-making process about design alternatives.

This session aims to introduce the workflow to export models and results from PTV Vissim to PTV Publisher. It shows how to build up interactive dashboards, modify and customize them, feed them with updated data, and collaborate on them with stakeholders. The goal is to give hands-on experience, already in the pre-release development state of the web tool.