Welcome! We will start at 10:15.





Transport modelling

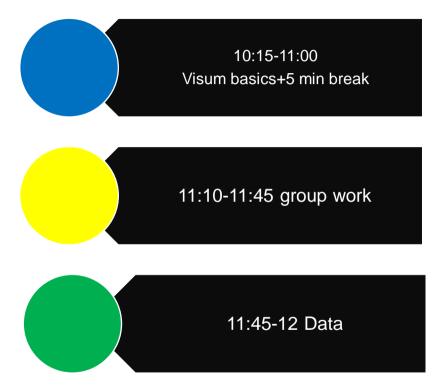
Modelling Tool – PTV Visum

Serio Agristi and Roozbeh Mohammadi

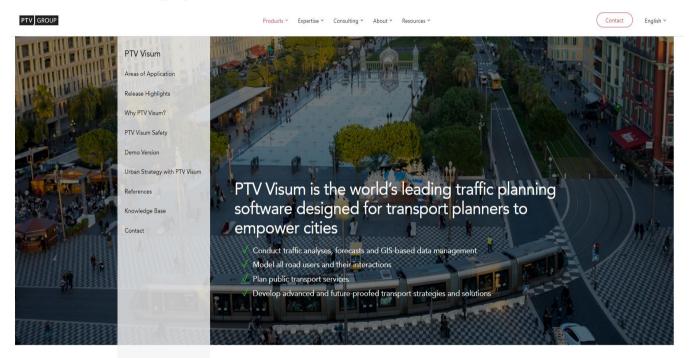
Modelling tool session schedule

Date	Time	Торіс
Monday, January 9	14:00 - 16:00 🔾	Course Introduction - EXCEPTIONALLY ONLINE
Thursday, January 12	12:00 - 14:00 🔾	I&E project introduction
Friday, January 13	10:00 - 12:00 🔾	HSL guest lecture - Data surveys
Monday, January 16	14:00 - 16:00 🔾	Core topic - Data & networks • Introduction
Thursday, January 19	12:00 - 14:00 🔾	Project workshop & Guest lecture Nobina
Friday, January 20	10:00 - 12:00 🔾	Modelling tools • Building network
Monday, January 23	14:00 - 16:00 🔾	Core topic - Trip generation & Trip distribution • Data
Thursday, January 26	12:00 - 14:00 🔾	Project workshop
Friday, January 27	10:00 - 12:00 🗘	Modelling tools & Guest lecture Traficom • Trip Generation and distribution
Monday, January 30	14:00 - 16:00 🔾	Core topic - Modal split / discrete choice models
Thursday, February 2	12:00 - 14:00 🔾	Project workshop
Friday, February 3	10:00 - 12:00 🔾	Modelling tools • Modal spilt
Monday, February 6	14:00 - 16:00 🔾	Core topic - Traffic assignment
Thursday, February 9	12:00 - 14:00 🔾	Project workshop - Pitching
Friday, February 10	10:00 - 12:00 🗘	Modelling tools & Guest lecture FLOU • Traffic assignment
Monday, February 13	14:00 - 16:00 🔾	Core topic - ABM & LUTI models
Thursday, February 16	12:00 - 14:00 🔾	Project workshop - Reharsal
Friday, February 17	10:00 - 12:00 🔾	Wrapping up-troubleshooting
Wednesday, February 22	10:00 - 12:00 🔾	Final presentations

Today schedule



PTV Visum





https://www.ptvgroup.com/en/solutions/products/ptv-visum/



Student Version

Size: A2

max. number of zones: 30

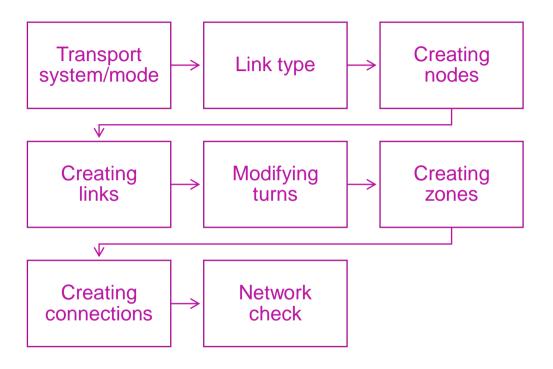
max. number of links: 1500

max. number of time profiles: 100

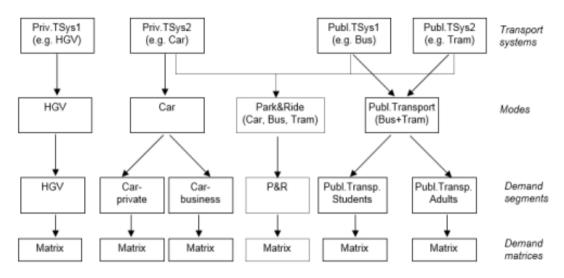
time limit per session: 45min After 45 min you will not be able to continue using Visum. A dialog will prompt you to save the VISUM model if you wish to do so.

Any files saved with this license cannot be opened with a different type of license. If you attempt to open a file saved with the Training version with another license you will receive the following message:

Steps to create a basic network



Transportation system/mode/segment



PTV Visum manual

Passneger car unit (PCU)

Vehicle Type	PCU Value
Pedal Cycle	0.2
Motor Cycle	0.4
Passenger Car	1.0
Light Goods Vehicle (LGV)	1.0
Medium Goods Vehicle (MGV)	1.5
Buses & Coaches	2.0
Heavy Goods Vehicle (HGV)	2.3
Articulated Buses	3.2*

http://content.tfl.gov.uk/traffic-modelling-guidelines.pdf

Available data

- OD data
- HSL open data (https://www.hsl.fi/en/hsl/open-data)
- Information about traffic in Espoo (https://www.espoo.fi/en/transport-and-streets/information-about-traffic-espoo)
- https://www.digitraffic.fi/en/road-traffic/