MobiliseYourCity Mastering Mobility Module

Transport modelling

DATE and TIME (TIMEZONE) – Insert link to the virtual session here

1. Description

For decades, transport modelling has been an established tool to help policymakers design transport projects and strategies most appropriate for present and future mobility needs and behaviours. Therefore, it is essential to approach transport modelling systematically. This training section is designed to help the audience increase their understanding of urban mobility modelling. The training material begins with a clear definition of transport modelling and its objective. The training material also provides many practical, global references to make the above concepts easier to understand. Following, the most common transport models and the data needed to design them are presented concisely. However, in practice, data is only sometimes available to policymakers. Therefore, this training material ends with potential solutions for poor or scarce data cases.

1. Learning Objectives:

* Gain better understanding of what can be expected from urban mobility modelling: objectives, nature, methods, limitations…
* How to choose the modelling approach best adapted to the context, especially when data is scarce
* Practice interpretation of model results

1. Speakers

* **Person 1** | Position | Organisation (Moderator)
* **Person 2** | Position | Organisation
* **Person 3** | Position | Organisation

1. Agenda

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| Time | Agenda |  | Speaker | | | |
| 0:00-0:10 | Welcome and housekeeping (10’)   * Copyright slide and participation rules * Quick intro to MobiliseYourCity and speakers * Explanation of content and learning objectives | | |  | Moderator | |
| 0:10-0:20 | Warm-up exercise (10’) | | |  | Moderator | |
| 0:20-0:45 | **What is transport modelling and what are its main uses? (25’)**   * Definition, Objectives and Process of transport modelling * Exercise 1 | | |  | Speaker | |
| 0:45-1:00 | Overview of different transport planning models (15’)   * Strategic/ macro models, Monomodal models, Multimodal models etc. * Exercise 2 | | |  | | Speaker |
| 1:00-1:25 | Usual methodology and things not to be missed (25’)   * Four-step model approach | | |  | Speaker | |
| 1:25-1:40 | How to do transport modelling with poor or scarce data (15’)   * Focusing on the objectives, data, and models to present the situation * Exercise 3 | | |  | Speaker | |
| 1:40-1:45 | Questions, Feedback & Farewell (5’) | | |  | Moderator | |