

TEACHING MATERIAL GUIDANCE

1. Title of the material

TU Dresden, Chair of Transport Ecology: Induced traffic

Link

2. Which section of the SUMP it is relevant to?

The material gives an introduction to the topic of induced traffic and therefore covers for one thing the preparation part of the SUMP cycle, especially part 2.1 “assess planning requirements and define geographic scope” and secondly the analysis of the mobility situation (3.1 “identify information sources and cooperate with data owners”). Furthermore the topic is important when developing scenarios of potential futures (4.1) and selecting measure packages with stakeholders (part 7). For monitoring and evaluation (part 11) it is also helpful to keep in mind “induced traffic”.

3. Problem approached and content overview

The presentation introduces the topic of induced traffic. In the first part the term is derived including the discussion about the difference between "primary induced traffic" and "secondary induced traffic". In a second part the term “elasticity” is defined and classified and the possibility to calculate it is shown. The main aim of the presentation is to recognise short and long-term and also dynamic effects when looking at traffic changes.

4. Who could be interested in this material?

The material is especially for lecturers at universities for an introduction into the topic of induced traffic. It can also be used for showing mobility practitioners and policy makers for getting an idea on induced traffic and keeping this in mind when planning different mobility measures.

5. What is worth mentioning as an innovative factor for the reader?

The topic “induced traffic” is introduced in a short and clear way. Illustrative pictures and graphics make it easy to understand the problem. Furthermore some examples on how to calculate induced traffic and elasticities, respectively, explain the practical application of the topic.

6. Limitations

The material gets quickly into the topic, which presupposes that the lecturer has dealt well with the topic and the calculation example beforehand. Otherwise for topic newcomers it gives important suggestions to the topic of induced traffic including examples on calculations.

