

TEACHING MATERIAL GUIDANCE

1. Title of the material

Star-rating your street plans with iRAP and the Global Street Design Guide

<https://www.irap.org/2020/10/new-irap-star-ratings-of-nacto-gdcis-global-street-design-guide-resource/>

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

The material is relevant to analyse problems and opportunities taking into account all modes (section 3.2) , also to define integrated measure packages (section 7.2).

3. Which Mobility Manager knowledge this material is the most relevant to?

The material is relevant to knowledge in the field of urban and spatial planning and evaluation of transport measures.

Problem approached and content overview

One of the challenges in the SUMP process is to transform the urban space, including adapting the street space to the expectations of all street users, especially non-motorized users. The guide shows 36 street solutions with different functions within a network of streets and possible design principles with priorities for pedestrians, cyclists and public transport, creating with the input of 72 cities and 42 countries. Each solution shows the existing state and the state after the reconstruction of the street, together with a description of the basic design requirements. Each situation is assessed in terms of traffic safety from the point of view of all types of users.

4. Who could be interested in this material?

The guide is intended for planners and designers, but due to the form of the guide, it can be helpful for all participants in the SUMP process in analyzing possible measures and their effectiveness.

The student can use the criteria used in the guide to evaluate other solutions to street space, propose the transformation of this space in terms of the safety of pedestrians and cyclists.

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

The iRAP Star Rating was used to assess the safety of street solutions and intersections. Star Rating represents the infrastructure-related risk of death or serious injury. A five-star street is the safest while a one-star street is least safe.

6. Limitations

No limitation

