TEACHING MATERIAL GUIDANCE

1. **Title of the material**

    Civitas Mimosa – Measure Evaluation Results: Park & Ride System (Bolonia)

    https://civitas.eu/content/measure-evaluation-resultsbolresultsbol-22-park-ride-system

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

    The material presents a method of evaluating the SUMPs and their measures. Material characteristics are in accordance with section 11.1.

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

    It is related transport and mobility planning: evaluation of transport measures (section 1e of the Mobility Manger competences).

4. **Problem approached and content overview**

    The measure 'Park & Ride system' in Bologna is part of a general framework initiated by the Municipality to make the transportation system in urban areas more efficient and sustainable. Special focus has been pointed to the city centre. Due to the historical shape of the road network in the city centre vehicular traffic is difficult. One of the key objectives of the measure was to reduce the access of private cars in the central area of the city through the development of Park & Ride services. This should further support intermodality and decrease on-street parking. In order to reach this target, plans were put in place in one existing parking area to include structural actions and interventions for bus service and Park & Ride fares. It was also intended to introduce one new parking area. The measure was implemented in the following stages:

    − Improvement of existing parking areas
    − Realization of a new Park & Ride area
    − Realization of bus connection to the city centre and Park & Bus fare
    − Requirement analysis and design of an electronic booking system for parking places

    The aim of this action was to further improve the Park & Ride system in Bologna with complementary measures that could stimulate the use of these car parks with a supporting intermodality policy and to discourage on-street parking. The Park and Ride measure includes three main components and the analysis of the results during the test period.

    − Introduction of one new Park & Ride car park and improvement of the existing ones,
    − Improvement of public transport connections through the revision of existing lines from the Park & Ride areas to the city centre.
    − Improvement of parking facilities. In the parking area the citizen can take:
      • their own bicycle if they leaves it stored in the parking area

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- a bike on hire: public bikes are available for clients of the parking area.

The evaluation focused on transport and society indicators as well as ticket sales which could give information on the number of users and associated revenues. Surveys addressing both to the users and non-users of the Tanari parking area supplemented the evaluation.

The following key-results highlighted the success of the measure: The number of users (according to ticket sales) more than doubled from 2008 to 2011. The surveys confirmed that the customers used this Park & Ride regularly: 48% of 333 users in the sample use the parking facilities at least twice a week, while 97% of them use Park & Bus at least once.

The Park & Ride measure in Bologna has demonstrated improvements in terms of awareness and acceptance among citizens. Based on the success of the MIMOSA measure, the city is confident that other interchange parking structures, if set up in suitable areas of the city, will attract new users.

5. Who could be interested in this material?

Students who are looking for:
- Information on the implementation of the SUMP assumptions through the development of the P&R system
- Methods for improving the functioning of existing parking areas
- Requirements and methods of P&R system development
- The relationship between the public transport system and the P&R system
- Information on required analyzes and projects related to the electronic reservation system.

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

The strength of the material is a comprehensive presentation of the potential of the Park & Ride system in the context of the implementation of SUMP assumptions. In addition, the material presents methods of improving the functioning of the existing system, conditions and methods of designing new car parks in the P&R system. The essence of integrating the P&R system with the public transport system was also explained. The whole was supported by the results of research from the evaluation of the project, in which positive results were achieved related to the change in transport behavior of residents. The report addresses the issue of potential barriers to the development of the system and its impact on the economic and environmental layer. Basic recommendations are also indicated.

7. Limitations

Not noticed. The report is a system of the entire project. Gaining detailed knowledge requires reading the full reports.