

## Objectives of the measure

- **At measure level:**
  - improve integration of shared mobility options with PT
  - Improve availability of multimodal options at PT stops
- **Contributing to city level objectives of:**
  - Promote multimodal trips and active forms of travel
  - Improve attractiveness of public space
  - Reduce traffic emissions

## Description of the measure

### ▪ **Situation before:**

While the PT services are mostly well integrated amongst each other within the region through the regional transport associations oversight, this is not the case for other (sustainable) transport modes. Active modes like walking and biking are being considered more and more, and bike parking as well as barrier-free access to platforms are standard for new constructions for years.

Shared mobility services by private operators currently are hardly integrated at all and evolve (and disappear) along the respective company's business strategy and financial means. With growing pressure from various sides to regulate sharing, with a special focus on e-scooter parking, the regional transport association VRN in co-operation with the cities of Ludwigshafen, Mannheim, and Heidelberg, drafted a regional shared mobility framework.

### ▪ **General description:**

Once the shared mobility framework takes effect, rnv intends to develop a connected mobility concept to consider shared mobility options as standard in the planning, construction and operations of PT stops. The concept will systematically consider all existing micro mobility services in the city, such as private e-scooter services, public and private bike sharing, as well as car sharing. Active modes like walking and biking are already being considered in planning and construction processes. The goal is to provide people with a seamless transition between the individual mobility modes (PT, car sharing, bike sharing, e-Scooters, walking, and cycling), by bringing them physically together, increasing visibility and improving accessibility. During the development of the concept, rnv will bring relevant stakeholder, such as city administration, transport association, service providers and operators together, to reconcile duties and responsibilities in line with the regional shared mobility framework. Based on this, the specific tasks for rnv and the others will evolve.

The scope of this measure is to develop and implement the concept and realize at least one pilot mobility hub. That way all rnv's future PT-stop constructions will incorporate feasible elements of the connected mobility concept, step-by-step creating a network of connected mobility hubs.

#### ○ **Measure outputs:**

This measure will deliver:

- Concept of shared mobility integration in PT planning and operations
- Improvement of at least one PT stop with regards to their multimodal mobility offer

### ▪ **Interaction with other city measures: UPPER and non-UPPER measures**

This measure is related to other measures aimed at mobility needs:

- **MAN\_01:** Establish participative governance and dialogue formats.
- **MAN\_06:** Defining concepts and test instruments to improve mobility in peri-urban areas for different user groups.

## Target groups and/or geographical impact areas

- **Target groups:**
  - The target group of this measure are citizens of Mannheim, interest groups and user of Sharing offers.
- **Geographic impact area:**
  - The measure will have direct effects on the affected PT stops in Mannheim. The results and insights gained as well as the concept prepared will benefit the service region of rnv, covering the metropolitan area of Rhein-Neckar with the three cities of Ludwigshafen, Mannheim, and Heidelberg.

## Stakeholders

The following stakeholders will be required for the implementation of this measure.

- City of Mannheim - central administration: strategic framework, contracting authority for PT service, approval of implementation/ budget
- Rhein-Neckar-Verkehr GmbH (rnv) - Department of customer service: project lead & expert Verkehrsverbund Rhein-Neckar (VRN) – Department of mobility services: expert & relevant regional authority
- MKB GmbH: contracting body for infrastructure projects on publicly owned properties in Mannheim

## U-tools support

The implementation of this measure will not be actively support by the IT tools of the UPPER toolkit

## Link to other UPPER measures

This measure is similar to UPPER measures implemented in other cities, especially:

- **VAL\_02:** Creation of a network of multimodal hubs [PULL]
- **OSL\_02:** Design multifunctional hubs to increase the accessibility to public transport and active modes in strategic areas outside the centre and city accesses [PULL]
- **ROM\_03:** To adapt the PT offer and include new mobility services in multimodal interchange nodes [PULL]
- **LIS\_09:** To improve the integration of PT and active travel modes [PULL])
- **IDF\_04:** Added-value services in multimodal nodes to integrate active modes with PT [PULL])
- **HAN\_03:** Added-value services in multimodal nodes to integrate PT with active modes
- **OSL\_06:** Develop and implement solutions for improved user experience in the first/last mile
- **MAN\_07:** Create a network of mobility hubs in cooperation with the regional transport association, open for multi mobility providers

## Process of implementation of the measure

Stages	Description	Intermediate milestones
<b>Design</b>	<ul style="list-style-type: none"> <li>- evaluate shared mobility framework &amp; identify mobility providers &amp; options</li> <li>- evaluate possible Mobility Hub formats, experiences, options</li> <li>- development of concept, consultation with VRN and city of Mannheim, finalize concept</li> </ul>	<ul style="list-style-type: none"> <li>- Final concept approved.</li> </ul>
<b>Preparation</b>	<ul style="list-style-type: none"> <li>- identify pilot site</li> <li>- develop implementation plan</li> <li>- tender-offer (if needed)</li> <li>- clarify legal &amp; regulatory issues, approval by relevant authorities</li> </ul>	<ul style="list-style-type: none"> <li>- implementation plan finalized.</li> <li>- approval by relevant authorities</li> </ul>
<b>Implementation</b>	<ul style="list-style-type: none"> <li>- implementation of concept</li> <li>- Implementation of pilot sites</li> </ul>	<ul style="list-style-type: none"> <li>- PT stop upgraded to multi-modal hub.</li> </ul>

## Sub-measures and preliminary indicators

Measure	Sub-measure (if applicable)	Impact indicators
<b>MAN_07</b>	N/A	<ul style="list-style-type: none"> <li>- Number of PT stops upgraded to multi-modal hub.</li> <li>- Number of shared mobility options integrated.</li> <li>- Number of trips with shared mobility options</li> </ul>