**One-Stop-Shop:** The *mobility data cloud* is an Internet based platform for the integration of mobility related data from different providers. It offers a framework for the acquisition, aggregation, provisioning, and analysis of mobility relevant data originating from various sources, e.g. charging stations, position and battery charge condition of electric vehicles, utilization of vehicles, and data regarding public transport. In that line of thoughts, the mobility data cloud serves as **a One-Stop-Shop** infrastructure offering (logically) centralized access to the (electric) mobility data of different providers such as public authorities, public transport etc.

**Data:** Mobility related data is highly heterogeneous. It includes data regarding public transport, (electric) vehicles, charging stations, fuel/gas stations, ticketing systems etc. to name some. This data is traditionally available over the legacy systems of the belonging providers in a highly dispersed way, which makes the development of innovative services and applications a cumbersome task. In order to remedy this issue, the *mobility data cloud* provides a unified view on mobility relevant data coming from various providers, thereby facilitating the development of apps/services by developers from the community, based on a unified/centralized access to the mobility datasets. Thereby, the data is listed within a Data Catalogue that keeps the belonging meta data descriptions and enables the sharing of, and access to mobility data within the developers community. These descriptions are utilized by developers, in order to combine the various datasets in a smart way and to generate a value added services and mobile applications.

**Services:** The mobility data cloud provides the possibility to deploy services on the server side (i.e. within the cloud). These services make use of the mobility data, which is offered over the mobility data cloud - i.e. the data is catalogued in the Data Registry of the mobility data cloud and potentially (but not required) stored in the database of the cloud itself. The services would normally combine different types of mobility data which are made available over the mobility data cloud, and would be also catalogued within a Data Catalogue based on meta data describing their input/output APIs and semantics. Hence, such services can be reused by other services and/or (mobile) applications running on end user devices.

**Apps:** The Apps constitute the final stage of utilizing the mobility data which is offered over the *mobility data cloud*. Thereby, the mobility data cloud facilitates the development of innovative mobility apps by providing a One-Stop-Shop platform for accessing the various types of mobility data available within a smart city. In addition, the mobility data cloud offers the possibility to deploy services which utilize the data and prepare it in a form suitable for mobile end user applications. In general, the mobility data cloud offers a framework for the acquisition, aggregation, provisioning, and analysis of mobility relevant data originating from the various data providers, and that way offers the base for emerging applications developed within the community. Finally, the applications which are developed (based on the mobility data cloud) are correspondingly catalogued and described by meta data entries within the mobility data cloud. The aim is to enable the sharing of ideas among application developers and to foster the community with respect to mobility applications for smart cities.