EVIS AT

Realtime Traffic Information is a crucial factor for efficient traffic management and high quality end user services – and ultimately also for the location quality of Austria. Road operators throughout Austria have taken numerous initiatives within the last years to collect and prepare realtime data and to develop traffic information and services likethe current traffic situation. What is still lacking today are nationwide levels of service, travel times and event messages for the Austrian road network made available in a unified quality and with common standards.
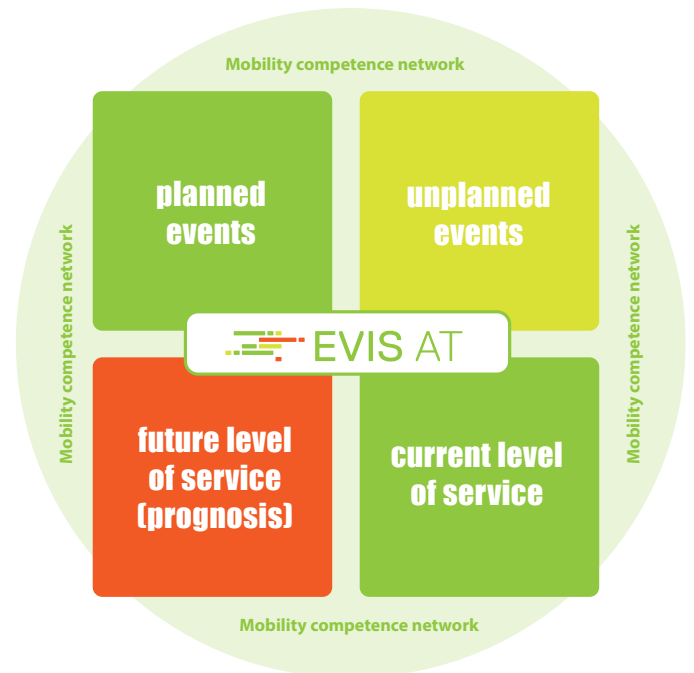
The project EVIS.AT is going to fill this gap in order to complete the public system of Intelligent Transport Systems complementary to the development of the Graph Integration Platform (GIP), Traffic Information Austria (VAO) and Basemap.

The project EVIS.AT has the ambitious goal to provide level of service, travel times and event messages in a unified and high quality way for the Austrian main road network until the year 2020. This goal is planned to be achieved within the framework of the following four main focus areas:

1. planned events
2. unplanned events
3. current level of service
4. future level of service (prognosis)

This harmonized travel information with its high quality willbe included in services such as the Traffic Information Austria (VAO) in order to be provided to all end users for free. But also traffic administration partners and road operators benefit from EVIS.AT within their day-to-day work so that traffic itselfbecomes safer, more efficient and environmentally friendly.

Mobility competence network

planned events

unplanned events

EVIS AT

future level of service (prognosis)

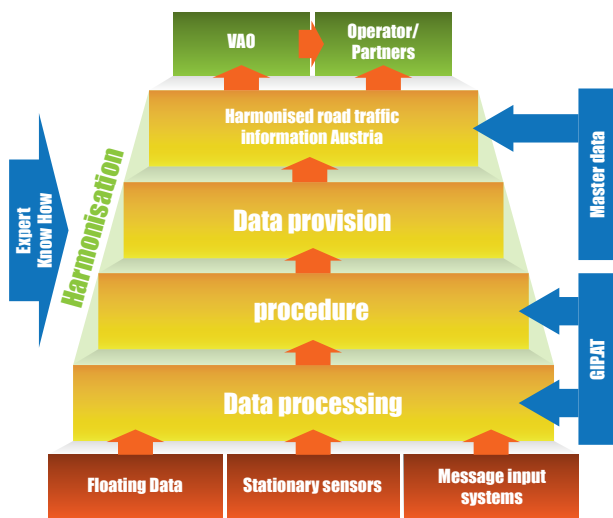current level of service

Mobility competence network

EVIS AT

The project EVIS.AT is built on a broad basis made of diverse preliminary work by the federal states administrations and road operators, ITS solutions supported by the Climate and Energy Fund as well as the successfully implemented nationwide projects Traffic Information Austria (VAO) and Graph Integration Platform (GIP).

The main technical challenge within EVIS.AT is to combine the diverse data and systems by implementing common interfaces (in regard to EU standards such as DATEX II), harmonize different levels of data quality and distribute the generated data. This will lead to higher data quality, optimized services and smooth data exchange between partners.

The technical concept

The project architecture

EVIS.AT consists of three main project phases:

In the concept phase a solid basis for the following implementation is determined within a Rolloutplan: traffic data acquisition technologies will be audited and specified for implementation, networking processes between partners and road operators will be defined and responsibilities will be assigned. A newly established „Mobility Compentence Network" is expected to ensure bundling of know-how as well as ongoing coordination of organizational, legal and technical aspects.

Once the Rolloutplan is finalized, the partners begin implementing the specified measures in the second phase "technical implementation".

The third phase finally goes beyond the project EVIS.AT covering sustainable operation of the newly established system as well as nationwide realtime traffic information and data exchange.

EVIS.AT combines traffic data, harmonizes data quality and generates nationwide realtime traffic information
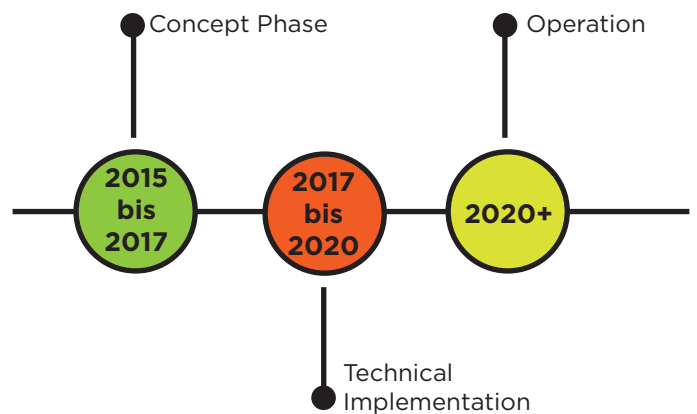
Facts

- Title: EVIS Realtime Traffic Information Austria
- Project term: Q4/2015 to Q4/2020 (60 months)
- Budget: € 16 million, 50% subsidy
- EVIS.AT was made possible by the Climate and Energy Fund by receiving a subsidy under the framework of the annual Programme 2014 (programme line transport), programme "Innovation towards green and efficient mobility – implementation measures within the framework of the National ITS Action Plan".
- Partners: 14 partners, coordinated by ASFINAGEVIS.AT is a collaborative project of the Austrian federal states Burgenland, Carinthia, Lower Austria, Upper Austria, Salzburg, Styria and Tyrol, Federal Ministry for Interior BMI, ASFINAG, ITS Vienna Region, Salzburg Research, ÖAMTC as well as the Cities of Vienna and Graz.