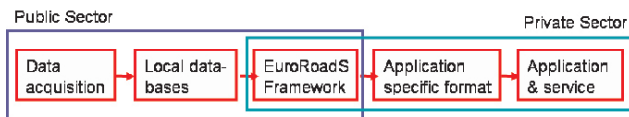




# Demonstration overview

## Introduction

The key output of the EuroRoadS project is the specification framework which enables the provision and exchange of harmonised, interoperable and quality assured road data. It provides a vital link between potential (public sector) data suppliers and (private sector) data users.



*The EuroRoadS data chain*

The specification framework needs to be implemented and tested in order to demonstrate and validate its usefulness, this is subject of the demonstration work in the project. This leaflet is one out of five leaflets providing details on the different EuroRoadS demonstration components. The other leaflets on demonstration are 'metadata server', 'data capture and maintenance', 'data processing' and 'client application SpeedAdvice'.

## Objectives

The demonstration activities have the objective to gain hands-on experience with the data exchange framework itself and to understand related (quality) issues along whole information chain. It thereby provides input to the project validation. At the same time the demonstration work shall yield practical insights and tangible showcases useful for implementation and exploitation of the outputs by third parties also beyond the project.

With regards to the interface between data supplier and data user demonstration shall generate:

- experiences with transfer and usability of similar data from different (public) sources,
- experiences with metadata and related services.

Data quality issues go beyond the state of data exchange and need to be assessed in view of the whole data chain from data acquisition to the final service:

- By implementing a demonstration of a complete data chain the EuroRoadS quality framework shall be validated.

## Demonstration showcase

Speed limits has been chosen as concrete showcase for the demonstration for several strategic reasons.

- Commercially available speed limit content, while becoming increasingly available, has limitations in quality. So, there is a need for additional, better data sources,
- Public authorities are at the beginning of the information chain, since they are responsible for setting speed limits. They could therefore be a valuable source for offering sufficient quality,
- The European e-safety context has raised the issue that public authorities need to play a constructive role to improve road safety by improving the digital road content. The related on-board speed limit information and warning services currently appearing on the market will thereby be improved and can serve as a showcase for the end-to-end information chain in the EuroRoadS.



*The mobile application 'SpeedAdvice'*

So, speed limits can be considered a realistic application area of the EuroRoadS data exchange framework, providing a precedent for similar, other content types.

## Demonstration components

The demonstration activities include the following components:

- Speed Limit data capture & maintenance (test bed Bavaria)
- Data processing
- Data supply by different public authority partners
- Data import and integration in to the application
- End-user application ‚SpeedAdvice‘
- Metadata server and services

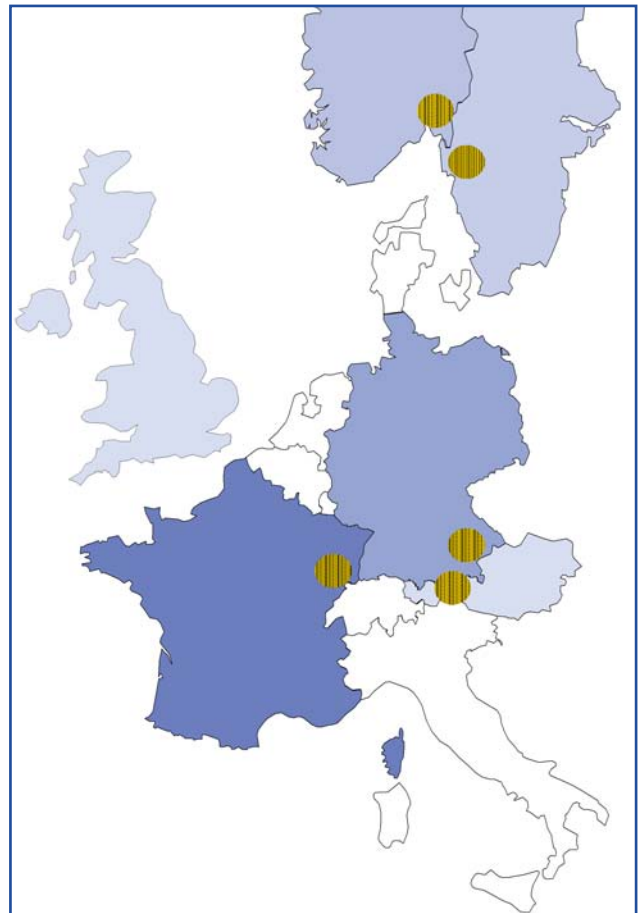
For detailed description see separate leaflets.

## Test areas

Five organisations will produce EuroRoadS conform speed limit data set for their respective test beds based on the national/regional data bases in operation at mapping agencies and/or road authorities.

- France: IGN France delivers data for the Upper-Rhine region (departement Haut-Rhin);
- Bavaria: The Bavarian Board of Building delivers data in the test area of Ansbach (Landkreis Ansbach),
- Austria: BEV delivers data for the eastern part of the Tirol region,
- Sweden: The Swedish Road Administration and the National Land Survey of Sweden generate data from the National Road Data Base for the region extending from Göteborg to the Norwegian border,
- Norway: The Norwegian Road Administration (not part of the project consortium) has volunteered to generate data from the national road data base for the Oslo region stretching to the border with Sweden.

The Swedish and Norwegian data allow to study issues related to cross-border connectivity and use of data within the EuroRoadS framework.



Five test areas

## EuroRoadS Quality Framework

The EuroRoadS quality framework provides concepts and methods to support a comprehensive quality description of the EuroRoadS data sets. The underlying idea is that data quality needs to be considered continuously along the whole information chain, otherwise a valid description of the quality of data at a certain stage in the information chain becomes very difficult. The demonstration activities in the Bavarian test site allow to encompass the whole information chain from data capture to the final service and serve as a test case for implementing the EuroRoadS quality framework in a comprehensive fashion.

## Contact

For further information about the Demonstration, please visit EuroRoadS on [www.euroroads.org](http://www.euroroads.org) or contact Work Package leader for WP7 Demonstration: Michael Landwehr, PTV AG  
E-mail: [michael.landwehr@ptv.de](mailto:michael.landwehr@ptv.de)

