2 Project objectives for the period

2.1 Overview of the project objectives for Year 1.

The overall project objectives are to:

- facilitate access to, exchange and maintain European-wide core road safety spatial data from national/regional/local sources by standards procedures
- enable multi-level aggregation and update of European-wide safety map data
- assess the technical and organisational feasibility of this infrastructure

To achieve these overall objectives, the respective scientific and technical sub-objectives are:

- **identify requirements and options for the organizational arrangements for access to and road maintenance of pan-European core road safety spatial data and maintenance**
- Optimize road data update processes (reduce delay in notification of real world changes)
- **Evaluate state-of-the-art methods for modelling and referencing of safety-related map attributes**
- **Produce common specifications for road safety data access and exchange**
- Define requirements for a qualification scheme for safety related map attributes
- Establish a data quality management concept for the entire information chain
- Explore organisational aspects and identify direct and overall benefits
- Set up and evaluate pilot trials to assess the feasibility of arrangements for instantaneous on-line updating of selected safety related road data.

2.2 Summary of the recommendations from the previous reviews

Not applicable

3 Work progress and achievements during the period

3.1 WP1 – Requirements and overall architecture

3.1.1 Summary of progress towards objectives

The overall objective of WP1 is to identify, priorise and agree on the requirements of data providers and data users.

Tasks	Status	Comment
Task 1.1 State-of-the-Art	Achieved.	(See D1.1 State-of-the-Art)
Task 1.2 Identify functional, technical, quality and organisational requirements	Achieved	(see D1.2 Requirements and overall architecture)
Task 1.3 Define an overall architecture to be used by the three main blocks developed in WP2, WP3, WP4.	Achieved	(see D1.2 Requirements and overall architecture)

Table 1 – Summary of WP1 tasks and status

3.1.2 Results

D1.1 State of the Art and *D1.2 Requirements and overall architecture* were submitted to the EC on time (early September 2008).

D1.1 State of the Art describes the current road authorities and infrastructure opeartors' situation with respect to how safety relevant data is stored, exchanged and updated. It contains a review of all the relevant European activities or projects and a description of the commonly used standards followed by a summary of the survey and results. It gives in this way a detailed overview of the different levels of development concerning road safety attributes in road databases of the countries that participated in the survey. It is based on a survey that was distributed to road authorities and agencies inside and outside Europe. Thirty authorities out of 23 countries have replied to the survey, including Japan.

D1.2 Requirements and overall architecture consists of a detailed overview of the requirements and architecture that were developed by the WP1 partners. External factors like the INSPIRE directive, the EuroRoadS project and others, have been used as guides in the process. The defined requirements consist of high-level functional- and quality requirements which should be satisfactory to meet the project objectives. The overall architecture is made up of functional viewpoint, information viewpoint, process viewpoint and component viewpoint, giving an overall view of the envisioned system.

3.1.3 Deviations

There was no major deviation from the workplan and the Description of Work observed in this work package.

3.1.4 Use of Resources

Below is an overview of actual and planned man months for WP1 during Y1. Please note that the planned budget is an estimated figure. The actual man months consumed by Tele Atlas and NAVTEQ are also estimations based on their quarterly reports since we did not receive their contribution on time. Also, the estimated budget here is calculated on the basis of the workplan, and is not udpated with the changes that were recently made in the total budget.

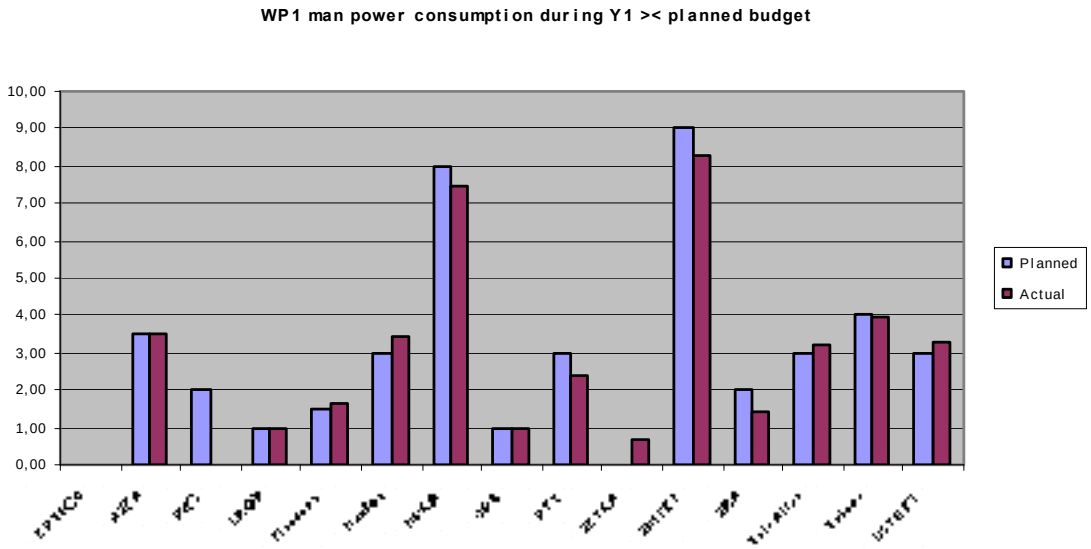

Figure 4 – Overview of resources spent in WP1

3.1.5 Corrective actions

Not applicable.

3.2 WP2 –Methods and tools for safety attributes access and maintenance

3.2.1 Summary of progress towards objectives

The overall objectives of WP2 are:

- To enable the road authorities to access and to maintain safety related data for supply to data users' side (map providers, road authorities, third parties…) in a way, that is efficient and easy to adapt to road authorities' internal processes and workflows.
- To learn from existing implementations and to create examples for replication, how data access and maintenance on the road authority side can be efficiently managed.
- To establish quality management in data capturing, maintenance and delivery compliant with ROSATTE requirements;
- To provide reference implementations for the demonstration of data access and maintenance in the respective test beds

Tasks	Status	Comment
Task 2.1 Specification of a road data maintenance & delivery system serving as a role model for road authorities and test sites in respect of user needs and requirements & Document (existing) demonstration tools for the multi-user access, maintenance and delivery of certain safety relevant data and specify their extension/adaptation for ROSATTE compliance	Achieved	See *D2.1 Conceptual specification on how to establish a data store*
Task 2.2 Quality assured data capturing and maintenance	Ongoing	Map providers explained and discussed their own Quality Management Systems to WP5 Leader under separate Non Disclosure Agreement
Task 2.3 Development of demonstrator software	On track	
Task 2.4 Implementation in test sites	On track	

Table 2 - Summary of WP2 tasks and status

3.2.2 Results

D2.1 Conceptual specification on how to establish a data store was submitted to the EC in the course of February. It specifies, on a conceptual level, how to establish and maintain a data store that complies with ROSATTE requirements. In addition, it provides a summary of requirements and recommendations applicable for Road Authorities and other organisations establishing a ROSATTE data store.

3.2.3 Deviations

A full harmonisation with requirements from the data exchange and data integration with map makers has not been possible, since the specifications are not fully finalised. Therefore, the

conceptual specification includes some options for data storage and recommendations which may need further qualification.

Hence, an updated version of D2.1 may be needed once finalised specifications on the data exchange and integration are established. Also experiences from tests later on may alter and refine some of the recommendations given.

3.2.4 Use of Resources

Below is an overview of actual and planned man months for WP2 during Y1. Please note that the planned budget is an estimated figure. The actual man months consumed by Tele Atlas and NAVTEQ are also estimations based on their quarterly reports since we did not receive their contribution on time. Also, the estimated budget here is calculated on the basis of the workplan, and is not udpated with the changes that were recently made in the total budget.

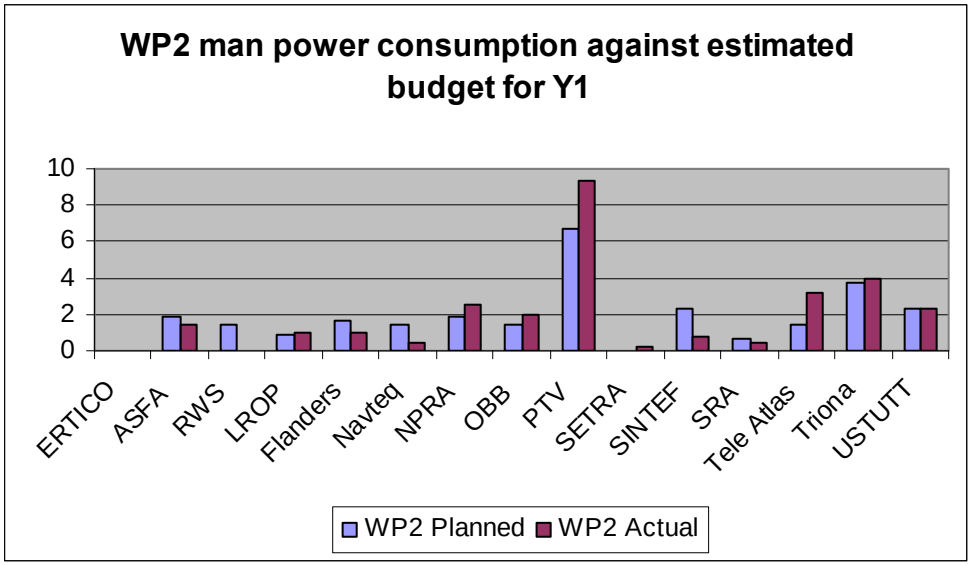

Figure 5 – Overview of resources spent in WP2

3.2.5 Corrective actions

Not applicable.

3.3 WP3 – Data exchange infrastructure, methods and tools

3.3.1 Summary of progress towards objectives

The overall objectives of WP3 are:

- To enable the automatic and timely exchange of safety attributes between road authorities and potential users of such data.
- To provide, test and validate reference implementations for the exchange of data

Tasks	Status	Comment
Task 3.1 Review and selection of technologies	Achieved	Included in D3.1
Task 3.2 Quality assured exchange	Ongoing	Map providers explained and discussed their own Quality Management Systems to WP5 Leader under separate Non Disclosure Agreement
Task 3.3 Data exchange specification, design of algorithms and implementation in reference software modules	On track	A first version of D3.1 Exchange specifications will be released to the EC before the annual review. However, this version will not be completely final as it would still need to go through peer review.
Task 3.4 Implementation aspects	On track	

Table 3 - Summary of WP3 tasks and status

3.3.2 Results

All WP3 partners concentrated on *D3.1 Exchange specifications*. Triona carried out a a review and selection of technologies for data exchange and produced a summary to be included in D3.1. After extensively discussing and agreeing on the structure of D3.1, all partners started to fill it in with contents. A first version will be released in the course of February to the EC.

3.3.3 Deviations

The submission of D3.1 will be delayed, which is partly due to a lack of internal resources at NAVTEQ. A first version will delivered to the EC before the annual review, but this version would not have been revised by peer reviewers. In addition, as this is one of the core deliverables of the project, the consortium decided that it is better to take some more time and make sure to come to a good version rather than to a document of poor quality. This delay in the specifications may also slightly alter the workplan and the other work packages. For this reason, it has been decided to postpone the testing period (originally due to start in June 2009) until September 2009 and postpone all WP2, WP3, WP4, WP5 deliverables delivery by 2 months. Please refer to the updated workplan in Section 5.6 of this report.

To compensate for the resource constraints at NAVTEQ, and to avoid further delay of the preparation of D3.1, , it has been agreed that NAVTEQ would transfer 4 man months to Triona, which is also deeply involved in the preparation of this deliverable. NAVTEQ would keep the leadership of D3.1, as it is critical that map providers are visible in this work

package, and Triona will become responsible for editing D3.1. This change was implemented in the updated Description of Work, that was enclosed to the contract amendment request to the Commission.

3.3.4 Use of Resources

Below is an overview of actual and planned man months for WP2 during Y1. Please note that the planned budget is an estimated figure. The actual man months consumed by Tele Atlas and NAVTEQ are also estimations based on their quarterly reports since we did not receive their contribution on time. Also, the estimated budget here is calculated on the basis of the workplan, and is not udpated with the changes that were recently made in the total budget.

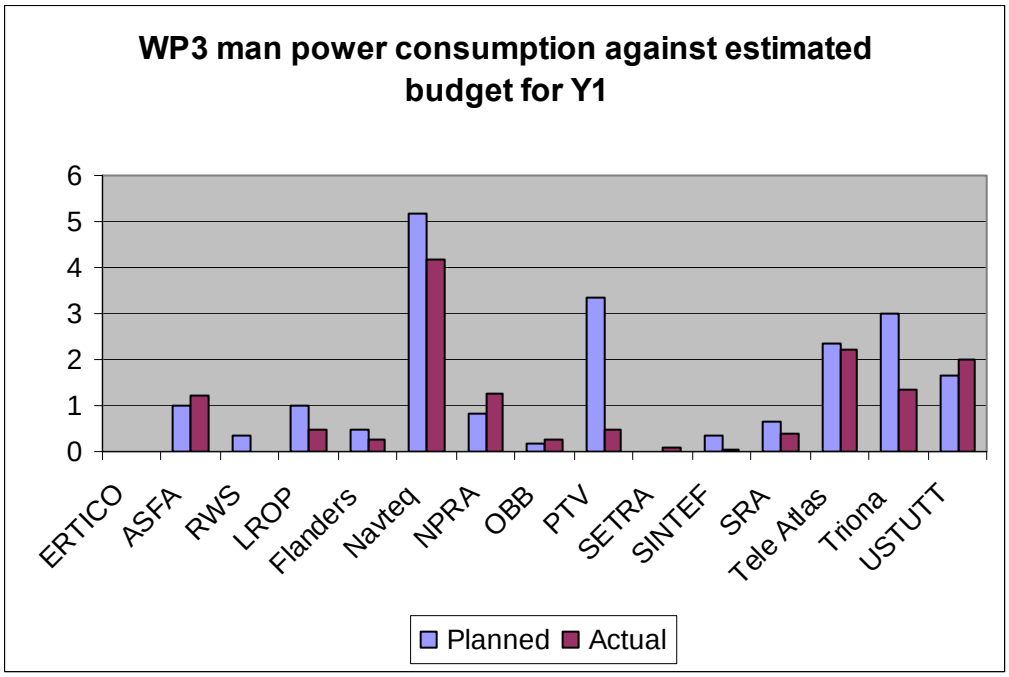

Figure 6 – Overview of resources spent in WP3

3.3.5 Corrective actions

See section *3.3.3 Deviations*. Corrective actions consist of a transfer of men months between NAVTEQ and Triona, and an update in the project planning (see Gantt chart in section 5.6)

3.4 WP4 – Data integration into digital databases

3.4.1 Summary of progress towards objectives

The overall objectives of WP4 are:

- To enable the fully automatic integration of aggregated safety attributes provided by the public sector into pan-European seamless digital (map) databases in a controllable and timely manner.
- To provide, test and validate one or more reference implementations for the integration of (aggregated) safety attributes.

Tasks	Status	Comment
Task 4.1 Data integration/ aggregation, technologies assessment	Ongoing	Tele Atlas initiated work in the absence of task leader RWS.
Task 4.2 Quality assured data integration	Ongoing	Map providers explained and discussed their own Quality Management Systems to WP5 Leader under separate Non Disclosure Agreement
Task 4.3 Design and implementation of viable data integration/ aggregation technologies	Ongoing	Preliminary feasibility studies were done.
Task 4.4 Implementation aspects	Not yet started	Reflective task, will highlight aspects when task 4.3 approaches conclusion.

Table 4 - Summary of WP4 tasks and status

3.4.2 Results

For the preliminary feasibility assessments of core software modules which are required for the conducting all the WP4 task (e.g. parsing input data available in xml format, location reference decoding, on-line map display), Tele Atlas R&D engineers set up a ROSATTE hosted map web service platform, including an application and data server. Fully relying upon of this platform, a number of software components were prototyped, these are discussed in the table below.

Software component	Purpose	Result
On-line map viewer	Visualize ROSATTE safety attributes in an on-line viewer application using the Tele Atlas map as back drop. Relevant for the "feedback loop"	On line European map with speed limits and traffic signs icons.
On & off line Agora-C en/decoder	Realize en/decoding of Agora-C location references.	Processing Map Deviation Reports (MDR) from the EC FeedMAP project kindly provided by partner SRA, these contain Agora C location references which were decoded and rendered on a map
Data integration	Investigate opportunities & performance	In study phase, no tangible

	Oracle spatial technologies on geometry matching, etc. results available yet

Table 5 – Overview of software components prototyped under WP4

3.4.3 Deviations

There was no major deviation from the workplan and the Description of Work observed in this work package.

3.4.4 Use of Resources

Below is an overview of actual and planned man months for WP4 during Y1. Please note that the planned budget is an estimated figure. The actual man months consumed by Tele Atlas and NAVTEQ are also estimations based on their quarterly reports since we did not receive their contribution on time. Also, the estimated budget here is calculated on the basis of the workplan, and is not udpated with the changes that were recently made in the total budget.

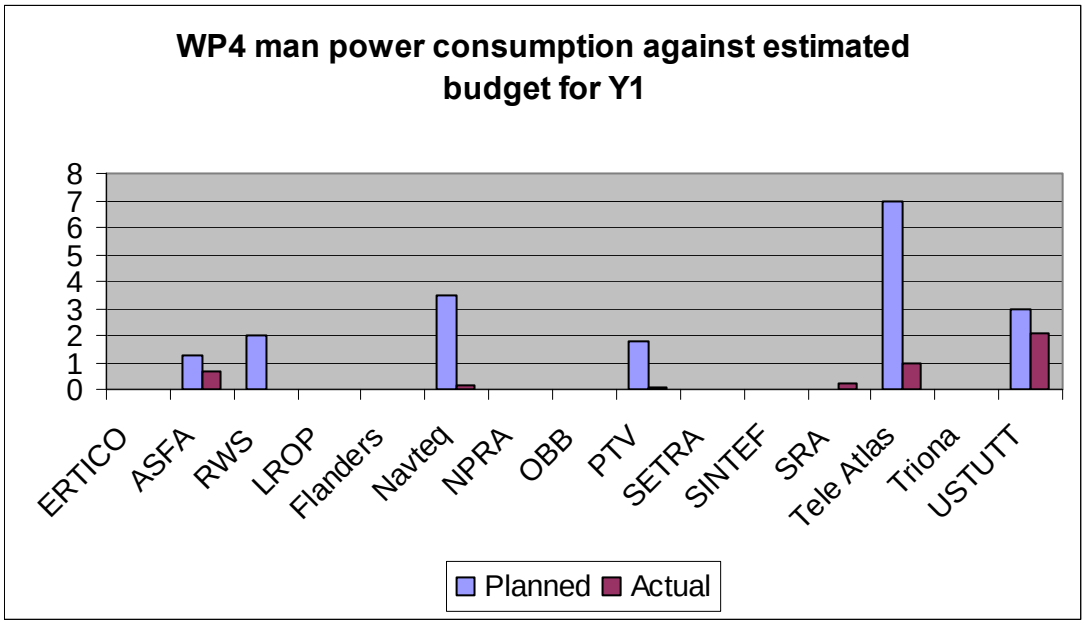

Figure 7 – Overview of resources spent in WP4

3.4.5 Corrective actions

Not applicable.

3.5 WP5 – Test and validation of the data chain

3.5.1 Summary of progress towards objectives

The objective of WP5 is to test and document the efficacy of the exchange infrastructure and the tools developed in the project for the aggregation of cross border geographic data and integration in data users' applications. Five test areas have been identified. Within these areas local and national road administrations will update relevant safety attributes for a test period of three months, the source data will be propagated through the infrastructure and aggregated into the target databases of data users. A second objective of the work package is to set up an applied quality management concept for the entire data chain, with the aim to deliver quality assured safety-relevant attributes meeting data user requirements. The actual specification and implementation of the quality concept is located in WP2 to WP4. WP5 acts as a cross-function to co-ordinate the activities in the different WPs with regard to quality and to collect the results in a joint report D5.4. The empirical study of the quality concept itself as well as the evaluation of the actual quality reached will be carried out in the five test sites.

Tasks	Status	Comment
Task 5.1 Test and validation plan	Achieved	D5.1 Test and Validation Plan was released early February
Task 5.2 Testing, validation and reporting at test sites		
Task 5.3 Validation of data quality management concept		
Task 5.4 Compile test report	On track	

Table 6 - Summary of WP5 tasks and status

3.5.2 Results

WP5 acts as a cross-function work package for the project quality management.

The WP5 partners set up a test and validation plan (*D5.1 Test and validation plan*, submitted early February to the EC). This document provides a general framework for the project test period and describes the processes for validating the objectives of the project. The test plan gives theoretical background about quality models, quality characteristics and evaluation methods. It also proposes evaluation methods relying on map providers requirements, road authorities requirements and system requirements, defining validation indicators to be checked. Five test sites will be implemented: two in France, one in Bavaria (Germany), one in Flanders (Belgium) and one joint test site in Norway and Sweden.

Some good work was done on the quality management concept, which is based on the model developed within the EuroRoads project which needs to be extended and further developed to suit the ROSATTE needs, especially regarding the processes of data production and maintenance and their influence on the data quality. The results willl be presented in D5.2 Report on the data quality management concept" to be released in October 2009.

3.5.3 Deviations

Because of the problems with the Dutch Ministry of Transport there will be no test site in the Netherlands. This will have no effect on the other tasks or the available resources.

3.5.4 Use of Resources

Below is an overview of actual and planned man months for WP5 during Y1. Please note that the planned budget is an estimated figure. The actual man months consumed by Tele Atlas and NAVTEQ are also estimations based on their quarterly reports since we did not receive their contribution on time. Also, the estimated budget here is calculated on the basis of the workplan, and is not udpated with the changes that were recently made in the total budget.

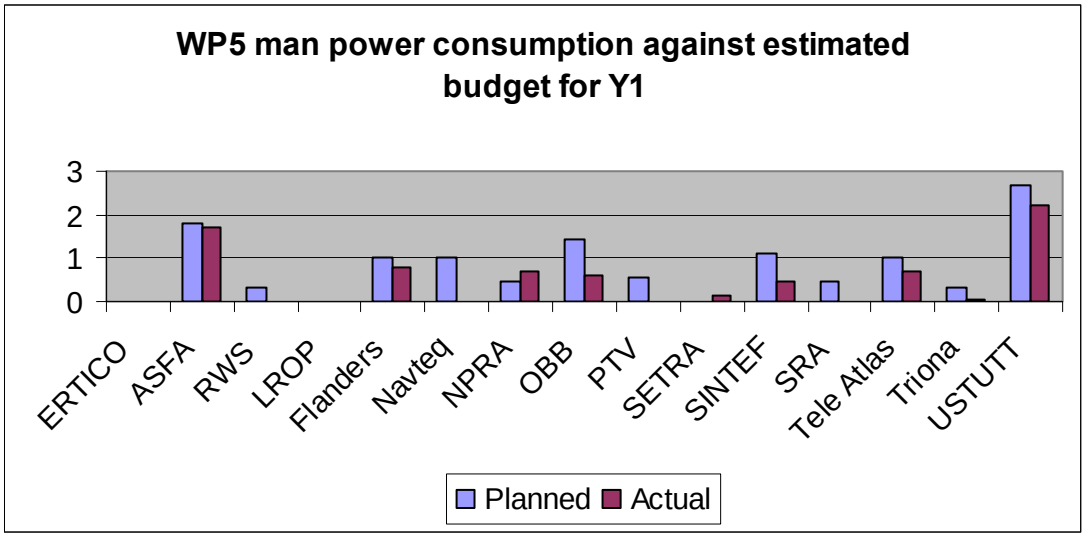

Figure 8 – Overview of resources spent in WP5

3.5.5 Corrective actions

In exchange for the missing test site there is a second test site in France and may be a new one with the new partner Transport for London. Because of the late project access of Transport for London it cannot be foreseen in which detail the test site will work.

3.6 WP6 – Organisational aspects and expected benefits

3.6.1 Summary of progress towards objectives

WP6 aims at stimulating future implementations of project results by:

- Analysing organisational aspects
- Exploring expected benefits for data providers and data users
- Analysing deployment aspects
- Promoting the exploitation of results

Tasks	Status	Comment
Task 6.1 Organisational aspects	Ongoing	A questionnaire addressing all organisational was circulated during the requirements phase to all partners. In addition, some synergies could be established with the CEDR workplan. The ROSATTE consortium will join efforts with the organisations involved in the CEDR workplan in order to analyse all organisational aspects deriving from the ROSATTE infrastructure
Task 6.2 Expected benefits		
Task 6.3 Deployment aspects		

Table 7 - Summary of WP6 tasks and status

3.6.2 Results

The core activities in WP6 are planned to start around November 2009. However, during the phase of requirements, a questionnaire was circulated to all organisations involved in the ROSATTE consortium in order to identify possible organisational problems related to the ROSATTE infrastructure. The main outcome of this internal survey was circulated to the WP1 partners which have taken it into account when working on the requirements and architecture of the ROSATTE infrastructure.

3.6.3 Deviations

There are no major deviation compared to what is specified in the Technical Annex. However, as a positive deviation, it is important to mention that strong synergies with the CEDR workplan could be identified and it has been decided (after consultation with the EC) that ROSATTE and the organisations involved in CEDR could collaborate to identify all organisational aspects and expected benefits and work on deployment aspects.

A joint questionnaire has been drafted and is planned to be circulated to all road authorities in Europe that responded to the questionnaire on state-of-the-art.

3.6.4 Use of Resources

Below is an overview of actual and planned man months for WP6 during Y1. Please note that the planned budget is an estimated figure. The actual man months consumed by Tele Atlas and NAVTEQ are also estimations based on their quarterly reports since we did not receive their contribution on time. Also, the estimated budget here is calculated on the basis of the workplan, and is not udpated with the changes that were recently made in the total budget.

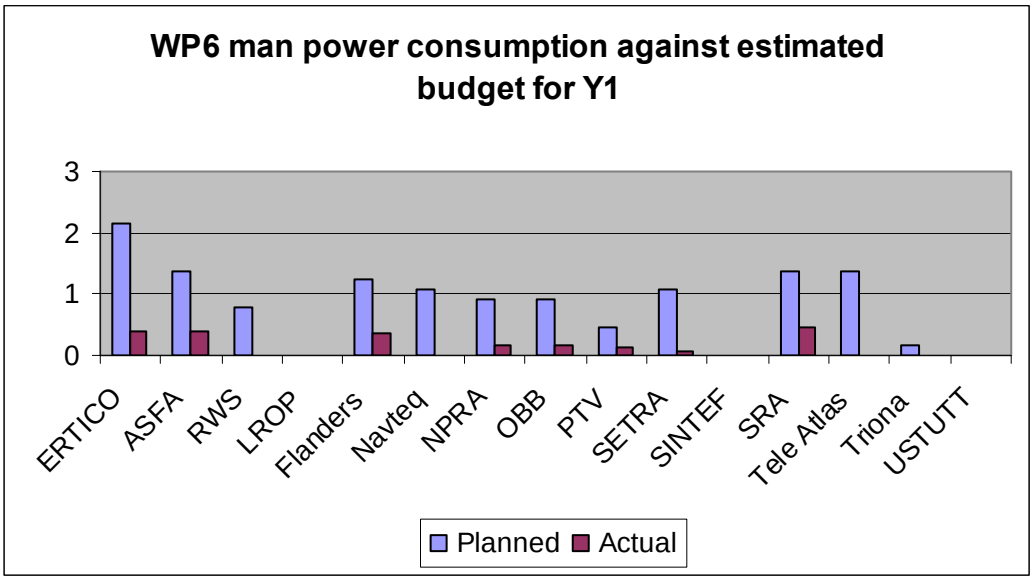

Figure 9 – Overview of resources spent in WP6

3.6.5 Corrective actions

Not applicable

3.7 WP7 – Dissemination and Liaison

3.7.1 Summary of progress towards objectives

The overall objectives of WP7 are:

- To effectively disseminate the project results to all related stakeholders involving different communication channels to reach the largest possible audience.
- Establish and nurse effective communication and liaison with other relevant projects and national initiatives within Europe and outside Europe (US, Japan)
- Consensus-building on key project results between related private and public stakeholders

Tasks	Status	Comment
Task 7.1 Dissemination	ongoing	
Task 7.2 Liaison	ongoing	

Table 8 - Summary of WP7 tasks and status

3.7.2 Results

Below is an overview of the main results and actions taken in the context of WP7.

- Design of a **logo and look & feel** for the project in collaboration with a UK-based designer

- The project **website** was released in the course of March 2008 and is regularly updated since then with news articles, presentations, … Hosted by the ERTICO website, the ROSATTE online pages is a resource not only for the project participants but also for their peers in their respective organizations, for other members of ERTICO as well as for the general public. The web platform delivers a comprehensive base of information on the ROSATTE project and its participants. The website contains the following basic information organized in different pages / sections.

    - Welcome page
    - Standard information about the project: focus, objectives, architecture, consortium, background & milestones, test sites, ….
    - Links to public deliverables, presentations and publications
    - Links to consortium members' websites
    - Links to some related projects
    - Contact information
    - Details about the ROSATTE forum
    - If available, photos and live videos may be viewed or downloaded via the website

- An **internal communication** plan was prepared for 2008. This document sets forth the strategies and measures to be employed by the ROSATTE project in order to achieve the three main objectives of the project dissemination activity, namely:

  - Effectively disseminate the project results to all related stakeholders involving different communication channels to reach the largest possible audience
  - Establish and nurse effective communication and liaison with other relevant projects and national initiatives within Europe and outside Europe (US, Japan, …)
  - Consensus-building on key project results between related private and public stakeholders

- A **flyer/ factsheet** was released in June 2008 as a promotional description of the project. It was heavily distributed during the Geneva ITS Congress, and circulated to the project partners and other relevant organisations with an interest in promoting the ROSATTE activities.

- The **ROSATTE Forum** was launched at the same time as the website. It consists of a platform to which all external parties from different organizations are invited to participate through subscription on the ROSATTE website and other different communication means. Membership is free. The main objective of the ROSATTE Forum is to get external input on the strategic phases of the project. So far, it includes around 75 members.

- A roll-out **poster** based on the layout of the flyer was printed out in view of the requirement workshop and can be re-used for any other event.

- The **first requirements workshop** took place on 17 September in Paris at the UIC premises. A wide number of people attended and the meeting showed good interaction between all participants. In the context of the French EU presidency, Ms Pascale Buch, the French Deputy Interministerial Delegate to Road Safety gave a speech emphasising the importance of ROSATTE at the European level. During the panel session, a number of interesting points were covered in a fruitful discussion, such as the need for attributes from the OEM's point of view, aspects related to quality, and methods used for collecting input from the different member states. In addition to the presentations by the consortium, there was a number of very interesting presentations by external participants, starting with Jun Shibata from the Japanese Digital Road Map Association, who gave an insight into the Japanese system. Mr Jacques Ehrlich from LIVIC described the ROSATTE-related COSAL project in detail, and Mr Hamish Keith from Transport for London presented related activities in London.

- During the first year of activities, the consortium members participated in a number of **external events**, sometimes event participation / presentations with specific networking and communication.

  - During the Geneva ITS Congress (3-6 June 2008), some fruitful discussions took place during SS41 (Towards learning maps and incremental updates: a complete solution for map updating and map data feedback) organised in collaboration with the FeedMAP project as well as in TS07 on ISA moderated by Kees Wevers. Many visitors expressed their interest in the project.
  - At the New York ITS World Congress (16-20 November 2008), ROSATTE was presented in two sessions (SS01 Next generation digital maps for ADAS and TS127 Digital mapping for safety applications)

- o At ATEC-ITS Congress (4-5 February 2009), ROSATTE will be discussed during a half-day session organised by ERTICO on incremental map updates.
- o A proposal for a special session at the Stockholm ITS World Congress (21-25 September 2009) has been submitted. Feedback is expected around April 2009.
- o FeedMAP final workshop

Title	Date, Location	Main conclusions
ITS Congress – Geneva	03-06/06/2008, Geneva	ROSATTE was presented in details at SS41 "Towards learning maps & incremental updates: A complete solution for map updating and map data feedback" and good discussion about the project took place during TS07 "ISA" moderated by Kees Wevers, Navteq. Also some very good contacts were established with some UK people.
ROSATTE Requirements Workshop	17/09/2008, Paris	Main goal is to present and discuss the requirements identified so far to a wide audience
FeedMAP Final Workshop	09/10/2008, Trento	Presentation of the FeedMAP final results. Some links were made to the ROSATTE project.
ITS World Congress	17-20/11/2008, New York	3 papers were accepted for ROSATTE: - Stephen T'Siobbel, TS127, 20/11/2008 "(Integration of European Public Authorities Safety Attributes in Commercial Digital Databases") - Kees Wevers, SS01, 17/11/2008 ("Data Exchange infrastructure for Safety Related Road Attributes") - Ulrich Haspel, TS127, 20/11/2008 ("ROSATTE – a European Project for Promoting the Exchange of Road Safety Attributes")
ATEC – ITS France Congress	03-05/02/2009, Versailles	Organisation of a special session dedicated to ROSATTE (1/2 day)
GIS-OTO-POLIS	15/10/2008	Presentation by Stephen T'Siobbel from Tele Atlas "Holy Grail of User Generated Verification and Real Life Maps"

Table 9 – Overview of external events attended during Y1

- A number of **papers** were submitted by several project partners during Y1 and various **press articles** about the ROSATTE activities were published in some specialised magazines (see overview table below).

Type	Title	Date	Impact	Status (submitted, done, planned, etc)
Abstract of a Paper	Integration of European Public Authorities Safety Attributes in Commercial Digital Maps Databases	31/01/2008	ITS World Congress in New York	Accepted.
Request for a Special Session at Geneva ITS Congress	Towards learning maps and incremental updates: a complete solution for map updating and map data feedback	15/01/2008	Audience of Geneva ITS Congress	Accepted. SS41 will take place on 06/06/2008 between 14h and 15h30
News article	ROSATTE project kicks off!	28/01/2008	ERTICO newsletter readers	Done
News article	ROSATTE project launches new website	20/03/2008	ERTICO newsletter readers	Done
Press article in "ITS Solutions"	ERTICO news – New and upcoming projects	Apr-08	ITS Solutions readers	Done
Press article in "ITS Solutions"	In search of ISA holy grail	Jan-08	ITS Solutions readers	Done
Website	N/A	Launched on 17/03/2008		Done
Paper	ROSATTE - a European project for promoting the exchange of Road Safety Attributes (by Ulrich Haspel, OBB)	Jan-08	New York ITS World Congress	Submitted and accepted
Paper	Integration of Public Authorities Safety Attributes in Commercial Maps Databases (by Stephen T'Siobbel, Tele Atlas)	Jan-08	New York ITS World Congress	Submitted and accepted
Paper	Data exchange infrastructure for safety related attributes (by Kees Wevers, Navteq)	Jan-08	New York ITS World Congress	Submitted and accepted
Paper	Mise à jour incrémentale des cartes numériques. Pour demain?	Jun-08	Visitors to ATEC-ITS France	Submitted.
Press article in "ITS Solutions"	ERTICO news – New and upcoming projects	Apr-08	ITS Solutions readers	Done
News Article	ROSATTE partners discuss requirements and launch three new work packages!	Apr-08	ROSATTE wesbite	Done
News Article	ROSATTE and FeedMAP move closer to ERTICO map family	May-08	ERTICO newsletter readers	Done
News Article	ROSATTE and FeedMAP take centre stage in Geneva	Jun-08	ROSATTE website	Done
Poster		17/09/2008		Released
News article in ERTICO newsletter	Public-private cooperation on digital maps pays off	19/09/2008	ERTICO membership	Released
News article in ERTICO newsletter	ROSATTE project presents first report	15/09/2008	ERTICO membership	Released
News article in ERTICO newsletter	Michèle Merli, the French Interministerial Delegate for Road Safety as a keynote	08/09/2008	ERTICO membership	Released
Article in Intelligent Highway, volume 19, issue 14	ROSATTE and FeedMAP take centre stage in Geneva	15/07/2008	Intelligent Highway readers	Released
News article in ERTICO newsletter	ROSATTE requirements workshop to be held in Paris	15/07/2008	ERTICO membership	Released
Paper	ROSATTE - a European project for promoting the exchange of Road Safety Attributes (by Ulrich Haspel, OBB)	Jan-08	New York ITS World Congress	Submitted and accepted
Paper	Integration of Public Authorities Safety Attributes in Commercial Maps Databases (by Stephen T'Siobbel, Tele Atlas)	Jan-08	New York ITS World Congress	Submitted and accepted
Paper	Data exchange infrastructure for safety related attributes (by Kees Wevers, Navteq)	Jan-08	New York ITS World Congress	Submitted and accepted
Paper	Aperçu des différents projets européens sur les cartes numériques		ATEC-ITS Congress attendees (5 February 2009)	Submitted and accepted
Paper	ROSATTE : les secteurs publics et privés collaborent à un système de mise à jour incremental de données routieres.		ATEC-ITS Congress attendees (5 February 2009)	Submitted and accepted
Paper	BALI: pour un meilleure connaissance des vitesses		ATEC-ITS Congress attendees (5 February 2009)	Submitted and accepted
Paper	ROSATTE- a European project for promoting the exchange of road safety attributes	20-Nov-08	New York ITS World Congress, Widening of the consciousness of the project, its approaches and its challenges	done
Paper	The BALI project: first lessons		International, ITS World Stockholm Congress attendees	Submitted
Poster	ROSATTE	23/10/2008	ITS Belgium Congress, at the stand of Vlaamse overheid	Done
Presentation	Integration of European Public Authorities Safety Attributed in Commercial Maps Database	20/10/2008	Well attended (50 people), international audience	Done
Paper	Vision Zero (2009) – "Group Effort"	Published November 2008	10.000 magazines world wide distribution, one paragraph on ROSATTE	Done
Presentation – GIS-OTO-Polis	Holy Grail of User Generated Verification and Real Life Maps	15/10/2008	Well attended session on Maps & Innovation – Audience of GIS and Surveyor	Done
Paper	Data Exchange Infrastructure for Safety Related Attributes	20/10/2008	International audience	Presented in special session
Website	Regular updates			

Table 10 – Overview of all dissemination items

- As regards to **liaison** activities, ROSATTE has developed some good relationship with Japan, especially the Japanese Digital Road Map Association represented by Mr Jun Shibata at the first open workshop. Some discussion and best practice exchange took also place with the Australian police (Office of Road Safety). ROSATTE will also collaborate with CEDR to explore related business models and develpo road maps.

3.7.3 Deviations

There was no major deviation from the workplan and the Description of Work observed in this work package.

3.7.4 Use of Resources

Below is an overview of actual and planned man months for WP7 during Y1. Please note that the planned budget is an estimated figure.

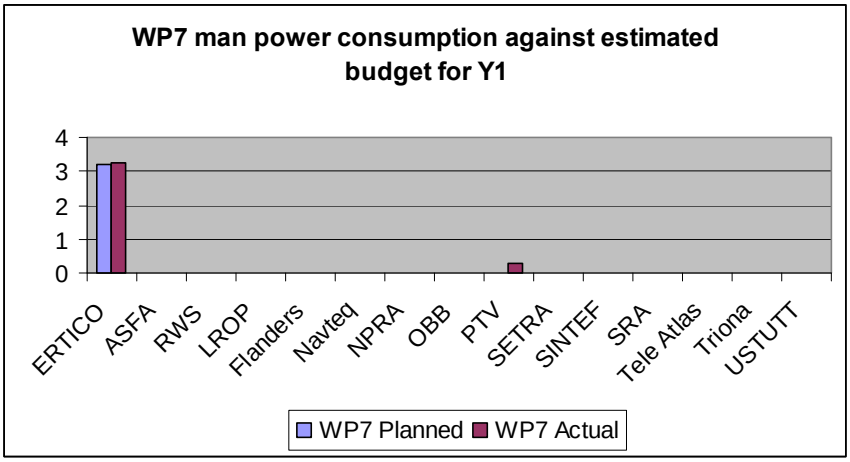

Figure 10 – Overview of resources spent in WP7

3.7.5 Corrective actions

Not applicable.

4 Deliverables and milestones tables

Del no.	Deliverable name	WP no.	Nature	Dissemination level	Delivery date	Delivered YES/NO	Actual/Forecast delivery date	Comments
D1.1	State-of-the-Art	1	R	PU	M8	YES	01/09/2008	Please note that originally both documents should should have been grouped into one deliverable. In order to facilitate the reading, it has been decided to split the two documents. The Description of Work was updated accordingly.
D1.2	Requirements & Overall Architecture	1	R	PU	M8	YES	01/09/2008	
D2.1	Specification of tools	2	R	PU	M12	YES	06/02/2009	
D3.1	Specification of data exchange methods	3	R	PU	M12	YES	16/02/2009	A draft version has been submitted to the EC before the annual review. This documents still needs to go through peer review.
D5.1	Test and Validation Plan	5	R	PU	M12	YES	06/02/2009	
D7.1	Web Site	7	O	PU	M6	YES	01/04/2008	www.rosatte.org
D7.2	Brochure	7	O	PU	M8	YES	01/06/2008	The brochure has been prepared in the view of the Geneva ITS Congress, which took place in June.

Table 11 – List of deliverables due during Year1

#	Milestone name	WP(s) involved	Expected date	Achieved YES/NO	Actual/Forecast achievement date	Comments
1	Requirements and overall architecture. Decision on the geo-referencing method	WP1	M8	on track	01/04/2009	The requirements and overall architecture were defined, but there are still some internal on-going discussion as regards to the most suitable method for geo-referencing and the definition of attributes taken into account within ROSATTE. All these discussions should be finalised during the first quarter of 2009 with the release of specifications.
2	Infrastructure and tools developed	WP2, WP3, WP4	M19			
3	Testing conducted and demonstrations developed	WP5	M26			
4	Organisational recommendations and project finished (Month 30)	WP6	M30			

Table 12 - List and status of milestones specified in Annex I of the Grant Agreement