

**EasyWay**



Annual Forum 2010



**Shortcut to the future.**

Lisbon • November 16<sup>th</sup>-18<sup>th</sup>



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Shortcut to the future.

Cross border traffic management services  
and information to travellers services on  
Italian, Slovenian and Austrian border

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Autovie Venete



## Outline

- Objective
- The International Memorandum of Understanding
- TMP and TIS at crossborder section
- Real applications
- Preliminary results
- Conclusions



## Objectives

The actions started with PROMET project (co-financed by EU in 2007-2009)

The achievements of the study and experimental phase of PROMET strengthen the effort of the road operator stimulating the continuation of the actions in EasyWay

- Reduce the traffic peaks and increase the usability of the cross-border road network by the European drivers coming and going from Italy, Slovenia, Austria and vice versa through the use of homogeneous and seamless International data exchange systems
- Improve the road safety establishing timely and operative cross-border “recovery” actions by the different country authorities and highway operators
- Improve the road monitoring quality level through the use of new monitoring technologies
- Support the efficiency of the cross-border network management by the distribution of harmonized and timely traveller information to the drivers
- Guarantee to the drivers the continuity of the road network in terms of infrastructures and service provision
- Foster the interoperability of the systems through the use of European Standard (DATEX I and DATEX II)
- Improve the comfort and the safety of the drivers reinforcing the traveller information service (TIS) network with new services (TMC service in Slovenia, mobile and nomadic device solutions, pre-trip and on-trip traffic information, different languages) and enriching the service already existing with international cross-border contents



## MoU: signed by road operators in 2008 and 2009

### Interchange Agreement

Between

DARS, d.d., Motorway Company in the Republic of Slovenia herein after called DARS

and

Autovie Venete, herein after called AV

on

On-line exchange of information on road traffic events active in the interested the DATEX-Net specifications. They both act as supplier and client so as to a data exchange.

Amendment are signed by the Technical Managers of th and AV.

### Article 2 : Duration

(a) The contract is set into effect with the date of the signatures.

### Article 3 : Intention

(a) A renewal of the contract will follow on the basis of the analysis of contract.  
(b) This analysis will be carried out commonly in the frame of the PRO

### Article 4 : Financial Conditions

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### Memorandum of Understanding

Agreement and Traffic Information Exchange management and -Informationsaustausch e lo scambio di informazioni del traffico e in izmenjavo informacij o promet

Diese Absichtserklärung gilt bis auf Widerruf oder bis sie durch einen Kooperationsvertrag ersetzt wird

Il presente Protocollo di intesa è valido fino ad eventuale ulteriore comunicazione o fino a quando non verrà sostituito da un trattato di cooperazione.

*[Signature]*  
Trieste 5.8.2009  
ASFINAG, Dr. Alex SCHEDL

*[Signature]*  
Trieste 5.8.2009  
Autostrade per l'Italia S.p.A.

*[Signature]*  
Trieste 5.8.2009

*[Signature]*  
Trieste 5.8.2009  
S.p.A. Autovie Venete

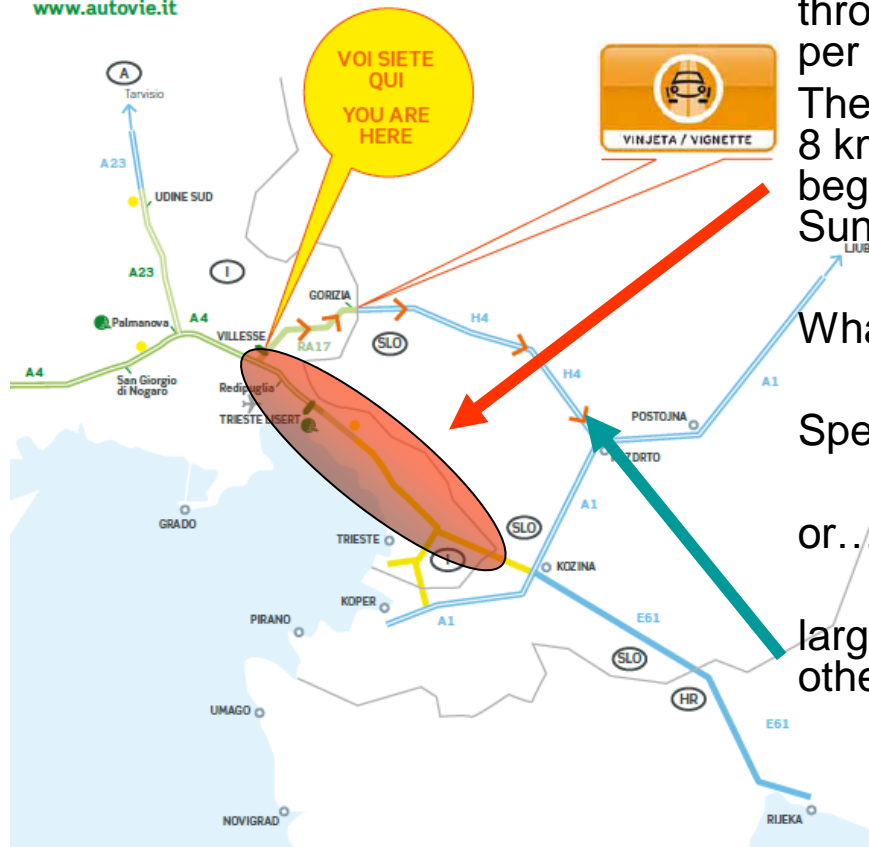
Setting up the MoU during Promet Project with the actual EW chairman as moderator of the discussion!



## TMP: set up of actions, measures and definition of the scenarios

- Under the responsibility of the Deputy Commissioner for the road and traffic emergency on the A4 Trieste Venezia the expertise of Operative Manager of Autovie Venete has settled up the TMP's for the event in Italy
- The approach started from the models discussed in Promet, and with the support of traffic and event static simulator, deployed in Autovie, different scenarios has been defined and approved by different stakeholders involved in the management of the emergency
- around 75 different scenario has been appointed: each one includes the actions for the handling of the emergency aiming to clear the road as soon as possible, the measures to be adopted for reduce the risks (for the safety of the motorists and for the environment) and the solutions in terms of communication and dissemination of the information (TIS) using ITS and ICT solutions

## TMP in practice: summer touristic "exodus"



Since the 90's every year in August, most of European citizens wish to spend their holidays in Croatia: due to this reason the motorway from Italy to Slovenia collapses every year in this period because all travellers have to pass through the route known as Corridor 5 (2 lane per carriageway – 150.000 vehicle per day!!!)

The first week end of August 2010 a queue of 5-8 km on the border with Slovenia in Trieste began on Thursday evening and finished on Sunday morning...more than 72 hours!!!

What's solutions?

Spend your holidays in Portugal ;-)

or...

large rerouting through Slovenia, using VMS and other services to inform the drivers

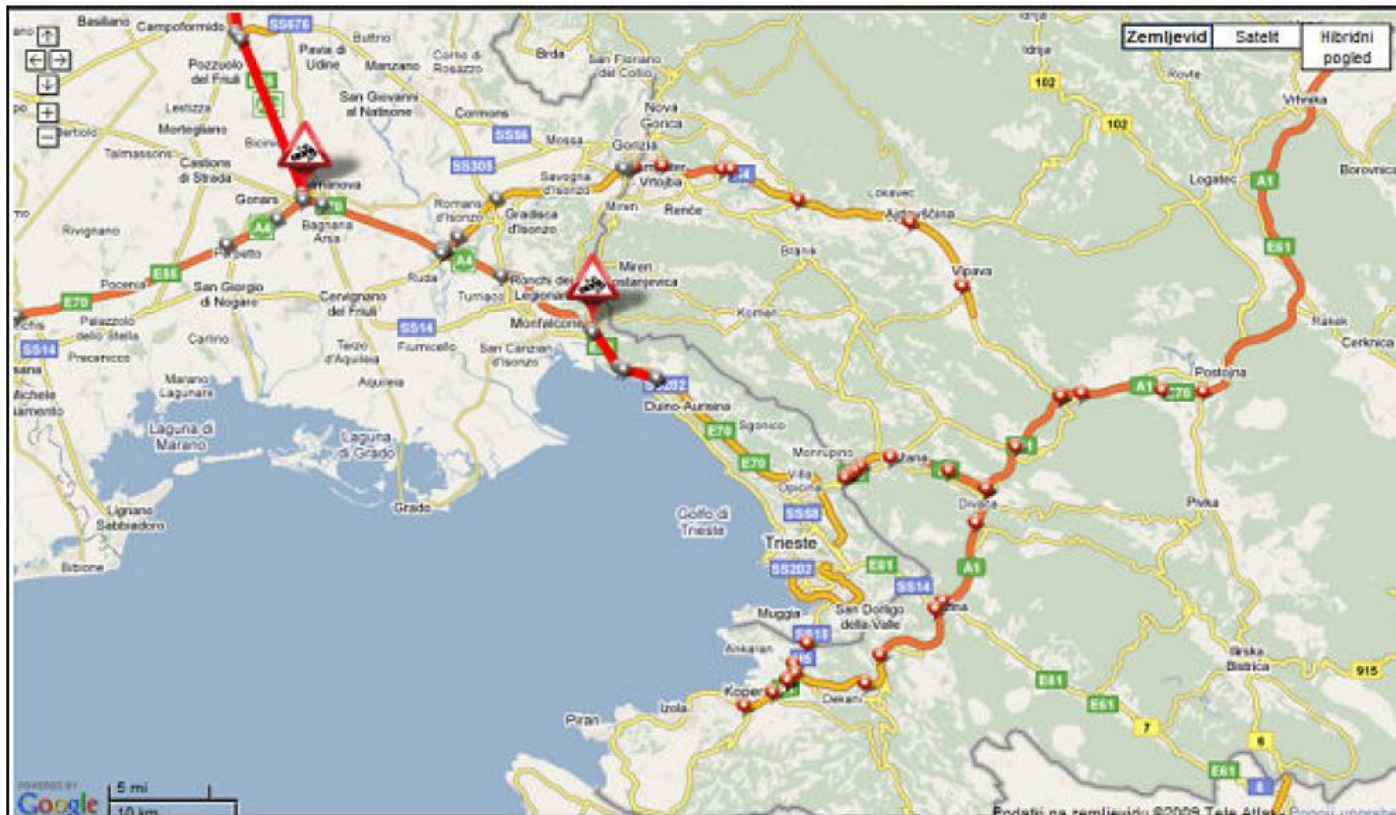


## TIS: cross border continuity of the services

- During the event the map with rerouting and other information has been distributed in the rest and services areas from Venice to Trieste (120 km) and at the toll stations
- The radio station on the motorways broadcasts the news with the updated conditions on the road and the suggested alternative route
- The Call Centers in Italy and Slovenia provide proper information (updated in real time by the TCC in Palmanova and coordinated by Autovie) to the users calling the InfoTraffic number
- On the web sites of Autovie and Dars information in real time, updated using the link between the TM systems with DATEX to DATEX II connection, were disseminated continuously (in 3 languages: ITA-SLO-ENG)
  - The access to the website of Autovie Venete registered more than 7,000 new visitors on August, 1, with a lot of visit from Austria, Slovenia and the area of Milan



## TIS continuity of service: data exchange from DATEX to DATEX II node for web services applications



## TIS: Web Portal with information for international travellers - Slovenia

The screenshot displays the TIS (Traffic Information System) web portal. The browser address bar shows the URL [www.promet.si/portal/sl/razmere.aspx](http://www.promet.si/portal/sl/razmere.aspx). The page header features the logo for PIC (Prometno-informacijski center za državne ceste) and the contact information [info@promet.si](mailto:info@promet.si) and the year 1970. Navigation links include [RAZMERE NA CESTAH](#), [TOVORNI PROMET](#), [PREDPISI](#), [NAČRTOVANJE POTI](#), [NOVICE](#), and [POVEZAVE](#). There are also links for [RSS](#) and [ENGLISH](#).

The main content area is divided into several sections:

- Razmere na cestah**: A map of the region showing road conditions. A tooltip for Italy provides the URL <http://www.viaggiando892489.it>. The map includes labels for Villach, Klagenfurt, Celovec, Jesenice, Bled, Kamnik, Domžal, Trbovlje, Vele, Nova Gorica, Idrija, Logatec, Trieste, Trst, Postojna, Gorizia, Udine, Treviso, Venezia, Chioggia, and Rijeka.
- Stanje na cestah**: A section providing real-time status updates. It notes that on 16.11.2010 at 21:30, the last update was at 21:28. It lists several road closures and restrictions:
  - Gorenjski avtocesti je oviran promet v predoru Sentvid v smeri Kozelj.
  - Na primorski avtocesti je zaprt počasni pas med razcepom Gabrk in priključkom Senožeče v smeri Ljubljane.
  - Do 15. marca je obvezna uporaba zimske opreme.
  - Zaradi zimskih razmer je na avstrijski strani zaprta cesta čez prelaz Pavličovo sedlo.
  - Cesta čez prelaz Vršič prevozna samo za osebna vozila.
  - Cesta Rudno - Rovtarica je zaradi plazuz zaprta, obvoz je čez Soriško planino.
  - Dela: na glavni cesti Velenje - Črnova je v Velenju na Celjski cesti oviran.
- VINJETA / VIGNETTE**: A section for toll information, featuring a car icon and the phone number 080 15 03.
- Burja (Vipavska dolina)**: A section for wind speed information, dated 16.11.2010 at 21:29.
- R2-444 Razdrto - Nova Gorica**: A section for road status, noting that wind speed limits have not been exceeded.

The bottom of the browser window shows several open tabs for [Analytics\\_www.autovi...pdf](#) and a [Mostra tutti i download...](#) button.

## TIS: Web Portal with information for international travellers - Italy

The screenshot displays the website for AUTOVIE VENETE, which provides real-time traffic information and travel services for the Venetian region in Italy. The page is organized into several sections:

- Navigation:** Home, The Company, About Motorways, Road Safety, Support, Services, Contact us.
- Traffic in real time:**
  - Traffic Information...**
    - R17 VILLESSE - GORIZIA, Rain, betw een BIVIO R17-A4 and GORIZIA
    - A23 PALMANOVA - TARVISIO, Rain, betw een BIVIO A23-A4 and UDINE NORD
- Webcam:**
  - A4 Barriera Trieste-Lisert
  - Bivio A4-A23
  - Bivio A4-A57 direzione Milano
- Map:** A map showing the road network with various road types (A, S, SR) and traffic conditions. Legend includes directions like 'go to the map' and map styles like 'Mappa', 'Satellite', 'Ibrida'.
- Advice to Travellers:**
  - VILLESSE GORIZIA ROAD LINK REROUTING FROM SLOVENIA TO ITALY DUE TO MAJOR ROAD WORKS:** Slip Road closed due to major road works till march 31st, 2011: the slip road between the roundabout ...
  - News:**
    - OPENING HOURS LATISANA CUSTOMER ...** The Customer Assistance Center in Latisana (toll station on A4 ...)
- Traffic forecast:**

Click the day to check the status of traffic

November 2010						
Mo	Tu	We	Th	Fr	Sa	Su
25	26	27	28	29	30	31
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	1	2	3	4	5

  - very high traffic intensity
  - high traffic intensity
  - increased traffic intensity
  - normal traffic intensity
- Qui AUTOVIE visit the web site »** Magazine online concerning the news and updating of **Autovie Venete**
- IL PROGETTO TERZA CORSIA** Commissioner for emergency of road traffic mobility and road safety on the motorway A4 and the Villesse-Gorizia link

## TIS: Web Portal with information for international travellers: Austria

The screenshot displays the ASFINAG website interface. At the top, the ASFINAG logo is prominent, with the tagline "UNTERNEHMEN UNTERWEGS STRASSENNETZ MAUT VERKEHRSSICHERHEIT". A search bar is located to the right of the logo. Below the logo, a breadcrumb trail reads "Startseite » Verkehrsinformationen". The main content area features a map of Austria with several regions highlighted in orange, including Peggau-Deutschefritz, Spittal-Millstätter See, Villach, Arnoldstein, and Karawankentunnel. A sidebar on the right titled "Verkehrsmeldungen (Sortiert nach Aktualität)" contains a traffic alert for the A22 Donauufer Autobahn, stating that three lanes are closed from 17.11.2010 to 19.11.2010. The footer of the page includes copyright information for ASFINAG and the logo for Ö3-VERKEHRSSERVICE. The browser's address bar shows the URL "www.asfinag.at/verkehrsinformationen?location=asfinag\_vks".



## First Results: reduce the effects and improve the services

- TM: ok, the queue for 3 days it isn't good results, but in 2009 the peak of the queue registered was about 30 km (for 20 hours) during the same week end
- TM: with rerouting actions no major problems has been registered on alternative route
- The use of web based TIS solutions for pre-trip travel planning and on-trip information; increases the access to [www.autovie.it](http://www.autovie.it) from other countries during the peak period
  - Slovenia: +9%
  - Croatia: +13%
  - Hungary: +78%
- The harmonization of the services on similar platforms: web sites, VMS messages
- Increase the reliability of the data exchanged and disseminated between road operators and the confidence to the services by the road users



## Conclusions?

- Transferability of the model: the solutions adopted on the cross border section ITA-SLO has been adopted on the cross border section SLO-A for winter exceptional events
- Appraisal and positive results from the end user perspective: reducing of claims compared with historical data
- Deployment of new services for the travellers based on the suggestion coming from the Customer Care Satisfaction survey: mobile and nomadic services follows the DG in the countries involved in the project
- Seamless services with seamless data available for the travellers



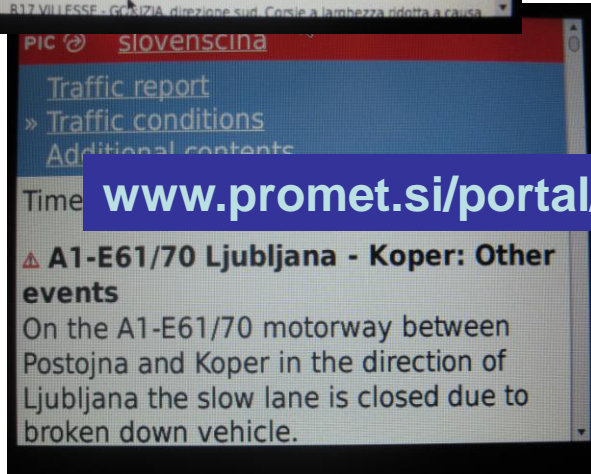
## Internet Mobile Traffic Information: italian, slovenian and austrian solutions



[www.autovie.mobi/page](http://www.autovie.mobi/page)



[www.mobile.autostrade.it](http://www.mobile.autostrade.it)



[www.promet.si/portal/mobile](http://www.promet.si/portal/mobile)



[mobile.asfinag.at](http://mobile.asfinag.at)



## Conclusions

- Benefits for the European road users:
  - Yes, perhaps could be improved if the actions would be supported by EU institutions...without interruption of the “services” during the years ;)
- Benefits for The European road operators
  - Yes, because the reduction of the risks will reduce the costs for the management of the infrastructures and will improve the investments in other solutions (co-modality, cancellation of missing links, etc.



## Links

- [www.autovie.it](http://www.autovie.it)
- [www.promet.si](http://www.promet.si)
- [www.asfinag.at](http://www.asfinag.at)
- [www.892489.it](http://www.892489.it)
- [www.autostrade.it](http://www.autostrade.it)

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Thanks for Your kindly and patiently attention

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