

Welcome to the latest MITRA newsletter which concludes the first MITRA field trials.

MITRA is funded by the European Commission under the 6th Framework Programme (IST priority). It started on 1 September 2004 and the project duration is 24 months.

MITRA Demonstration.

The MITRA German field-trials were successfully held the week before on Wednesday 8 March 2006 in Munich and were hosted by Kayser-Threde. For these trials, we used several Onboard Terminals (OBTs):

- one OBT was installed on a vehicle, simulating a truck carrying 24 tons of acrylonitrile
- one OBT was installed on a train of the BOB - Bayerische Oberlandbahn (Bavarian railway company), simulating a cargo of 1 ton of chlorine.



Several User Monitoring Terminals (UMTs) were used in parallel in different sites, to monitor the results of the field-trials:

- the "main" UMT was placed in Kayser-Threde premises in Munich.
- several other UMTs were run in parallel in Spain and France by the different MITRA partners.

The scenario followed for these tests was the following: the vehicle left Munich and drove southbound in direction of Lenggries (mountainous area). A collision between the vehicle and the train was simulated at a crossing between the road and the railway, which enabled to simulate a real accident between a truck carrying acrylonitrile and a train carrying chlorine. The MITRA team, which was present in Munich, used the User Monitoring Terminal deployed at Kayser-Threde to play the role of the "operator" in the control centre of firemen, i.e. placed itself in the position of:

- monitoring the itineraries of the train and the vehicle,
- sending a (fake) intervention team on the location of the accident,
- giving useful information to this intervention team on how to react to the accident (e.g. appropriate intervention measures), using information provided by the Risk-Knowledge Platform
- collecting local information from this intervention team to calculate the effect distances associated to the local conditions of the accident.

A certain number of German end-users and institutional stakeholders attended these trials and expressed positive feedback on the MITRA system:

- German Federal Ministry of Transport, Building and Urban Affairs
- Police (Traunstein, Niedersachsen)
- DHL
- University of Berlin
- Fraunhofer Institute
- DLR

As a conclusion, these field-trials last week in Munich were quite successful: they enabled to demonstrate that the MITRA system was capable of working in operational conditions and showed good stability and performance. The German national television (ZDF) also attended these field-trials and made a complete reportage, as well as some interviews of the MITRA team.





The next steps are the French/Spanish field-trials in Perpignan/Catalunya, that will take place in April 2006. The German national television (ZDF) will also attend these trials.

We would like to thank the Bayerische Oberlandbahn and the Bavarian Survey Administration for the co-operation!

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