

Motivation and Objectives

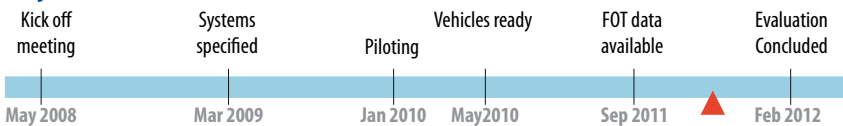
euroFOT is the first European large-scale Field Operational Test (FOT) to assess the effectiveness and socio-economic impact of 8 Intelligent Vehicle Systems on real roads and with ordinary drivers. The project evaluates their impact in terms of safety, traffic efficiency and the environment. They represent the three major challenges at stake for European transport systems. The use of new in-vehicle technologies can significantly improve these issues. However, their implementation also represents a risk to manufacturers in terms of user acceptance, real-traffic conditions and differences in European markets. Vehicle manufacturers and equipment suppliers will use the results to improve the design of the systems. Public authorities will be able to encourage and motivate the deployment of these systems with a deeper understanding of their impacts.

The objectives of the study are:

- Perform coordinated tests of 8 Intelligent Vehicle Systems with ordinary drivers in real-traffic conditions,
- Investigate performance, driver behaviour, and user acceptance,
- Assess the impacts on safety, efficiency and the environment using data in a variety of scenarios.



Project Plan, Milestones and Deliverables

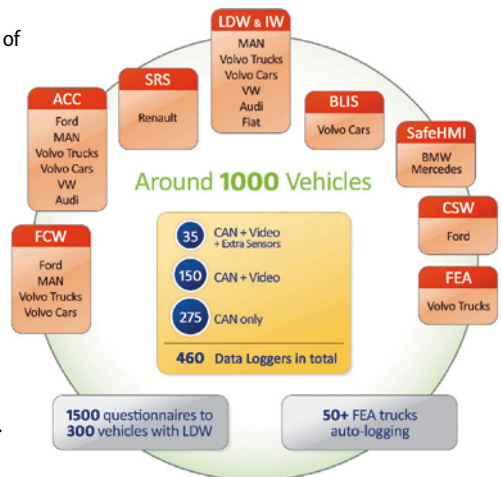


Technical Approach

- Use state-of-the-art advanced driver assistance systems (ADAS) in vehicles operated by ordinary drivers and without supervision.
- Define research questions & hypotheses.
- Specify a common set of scenarios and performance indicators.
- Implement reliable data acquisition and communication systems on board.
- Include a pilot phase for tuning the experiments.
- Collect data during 12 months, with an exposure of approximately 18 million km.
- Specify a set of baseline conditions for proper analysis.
- Develop and apply a common framework for data analysis, including OEM-specific investigations.

Achievements

- Tailor-made data logging equipment.
- Piloting with important lessons learned.
- FOT drivers recruited and contracted.
- FOT fleet equipped with logging systems.
- Communication infrastructure for active vehicles.
- Finalisation of data collection.
- Fine-tuning of data analysis plan.
- Start of analysis of collected data.



Integrated Safety

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|-------------|--|-------------|-------------------|
| Budget | 22 M€ | Funding | 14 M€ |
| Duration | 48 months | Start | May 2008 |
| DG | INFSO / ICT for Mobility | Contract n° | 223945 |
| Coordinator | Aria Etemad, Ford | Contact | aetemad1@ford.com |
| Partners | 28 partners, among them Ford, BMW, CRF, Daimler, MAN, Volvo Cars, Volvo Technology, VW | | |
| Website | www.eurofot-ip.eu | | |