euroFOT - European Large-Scale Field Operational Test on In-Vehicle Systems

Key Results

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Final Event 26-27 June 2012 Autoworld, Brussels







www.eurofot-ip.eu

euroFOT Overview

- First European Large-Scale Field Operational Test on In-Vehicle Systems
- Total budget: Euro 22 million
- Total funding: Euro 14 million
- Project duration: May 2008 till June 2012
- Coordinator: Aria Etemad
 - Ford Research & Advanced Engineering Europe
- 28 partners from 10 different countries:
 - 8 OEMs
 - 8 4 Suppliers
 - 6 Universities
 - 5 Research Institutes
 - **3** 5 SMEs



euroFOT Objectives (1)

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







euroFOT Objectives (2)

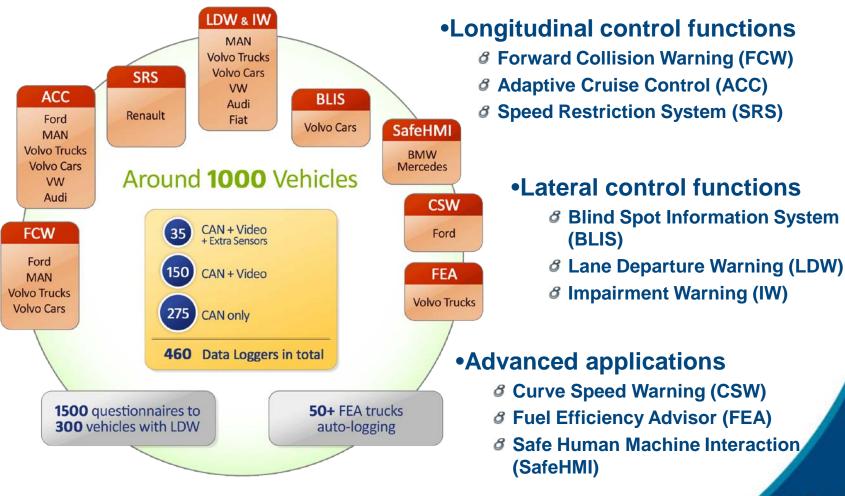
- Apply a common European approach for Field Operational Tests
- Improve public awareness on the potentials of driver support functions and a wider socio-economic acceptance

Test Management Centres



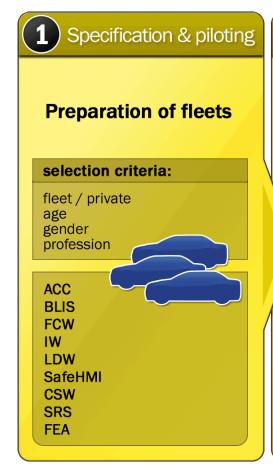


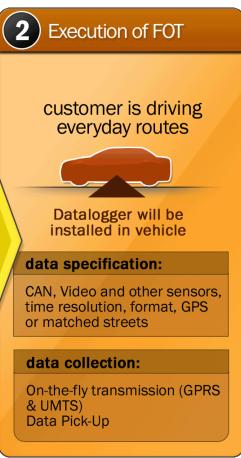
Functions under test

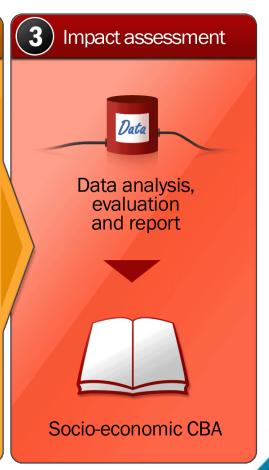




Project plan













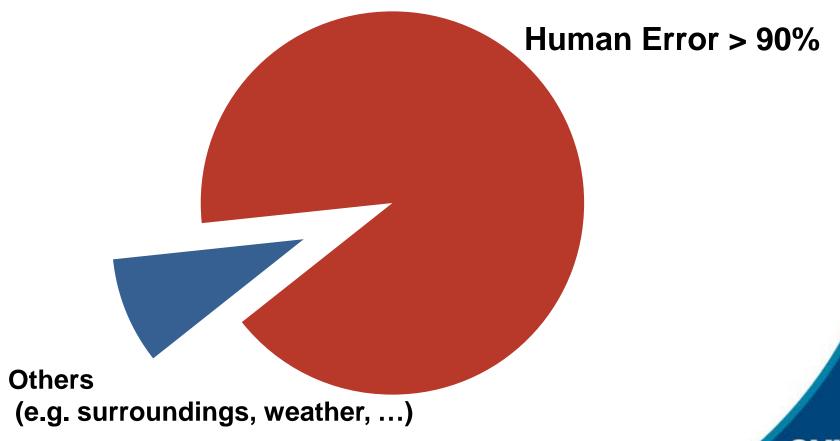








Causes of accidents



Source: GIDAS Database



euroFOT integrated project

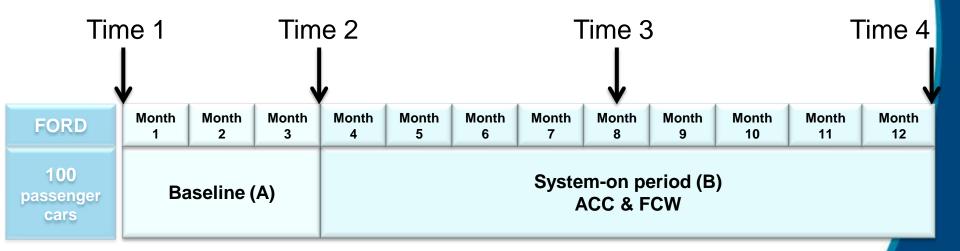
Key Results



FOT status

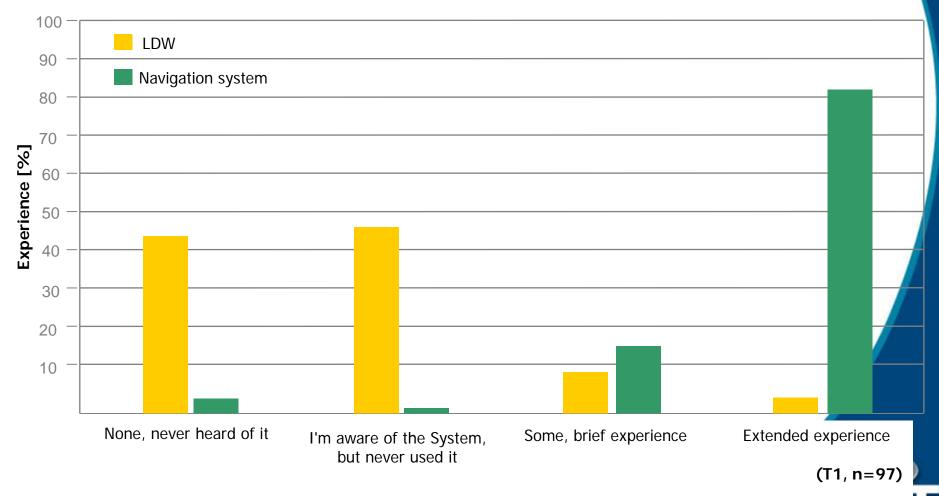
	French VMC	German VMC Operation Centre 1				German VMC Operation Centre 2		Italian VMC		
	COSQIP PAZZ A TEXAN	Tird	MAN	VOLKSWAGEN		BMW Group Forsethung und Technik	DAI	LANCIA	VOLVO	VOLVO Volvo Technology Corporation
Target number of vehicles	35	100	100	40	red.	15	15	500	100	80
No. of vehicles participated FOT	35 (+5)	98 (+2)	570	32	(20)	15	15	533	100	80
No. of vehicles currently running	35 (+5)	98) (+2)	57	0	2	15	3	401	100	15
No. of involved drivers	35	130	80	32	(20)	45	60	533	204	86
FOT Surt date	October 2010	April 2010	January 2011	June 2010	January 2011	August 2010	February 2010	February 2010	February 2010	May 2010

Methodology: Time based questionnaires



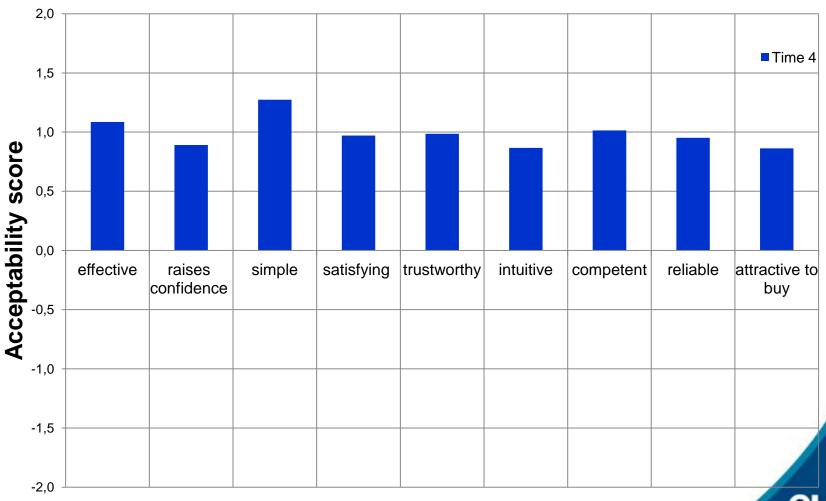


Questionnaire analysis: Experience





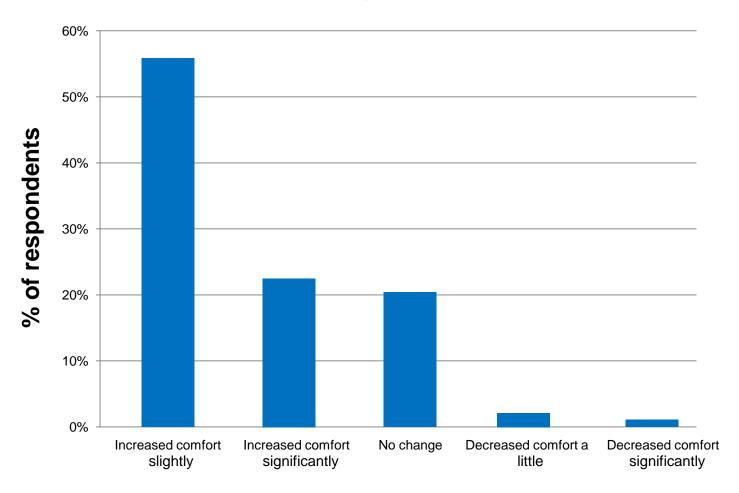
Questionnaire analysis: Acceptability



(T4, n=174)



Perceived driving comfort (ACC)

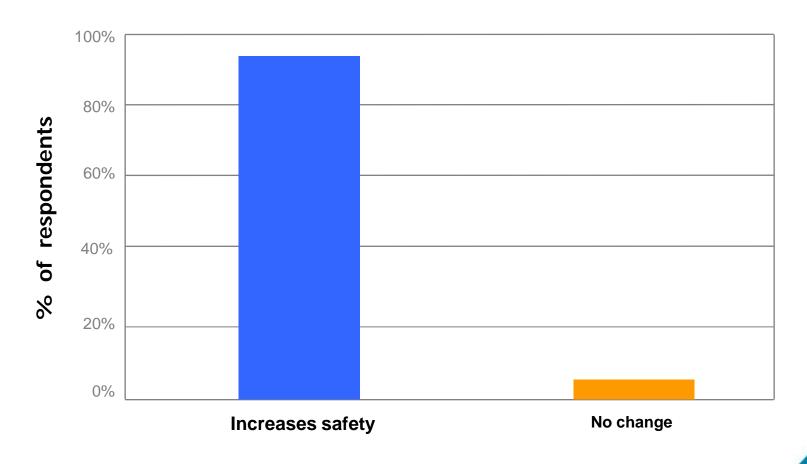


ACC leads to an increase of perceived driving comfort:

77% of drivers feel that ACC increases comfort



Perceived driving safety (ACC)

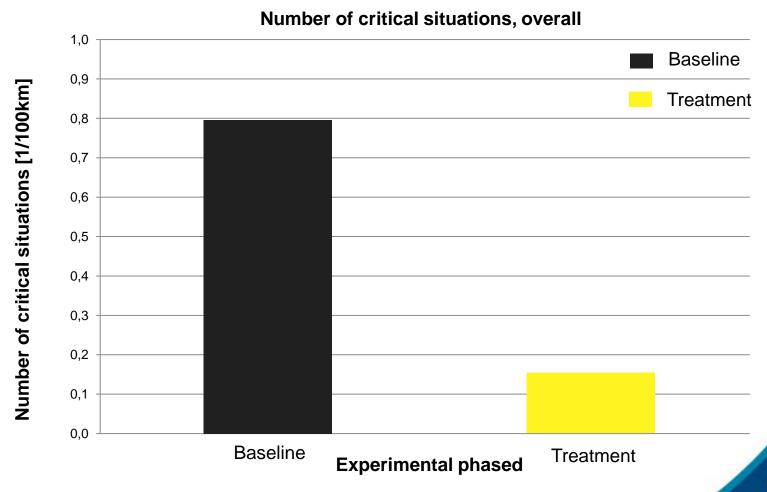


ACC leads to an increase of perceived driving safety:

94% of drivers feel that ACC increases safety



Number of critical situations (ACC)

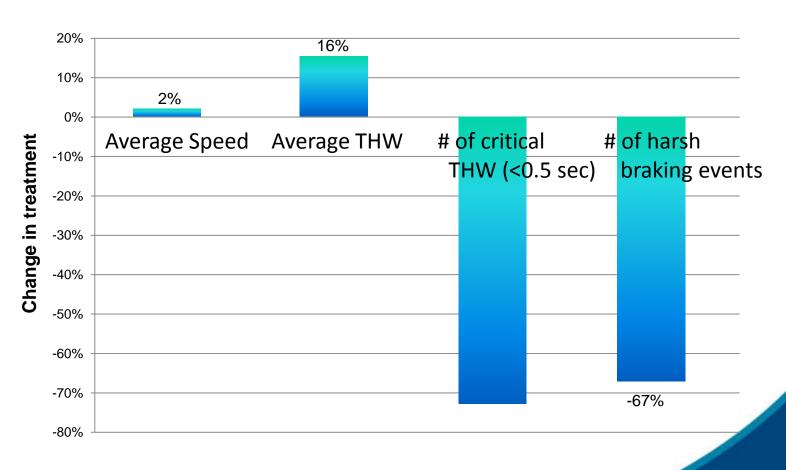


ACC leads to a decreased number of critical situations: -80%



ACC on motorways

Changes from baseline to treatment phase for cars Time Headway (THW) = distance to leading vehicle



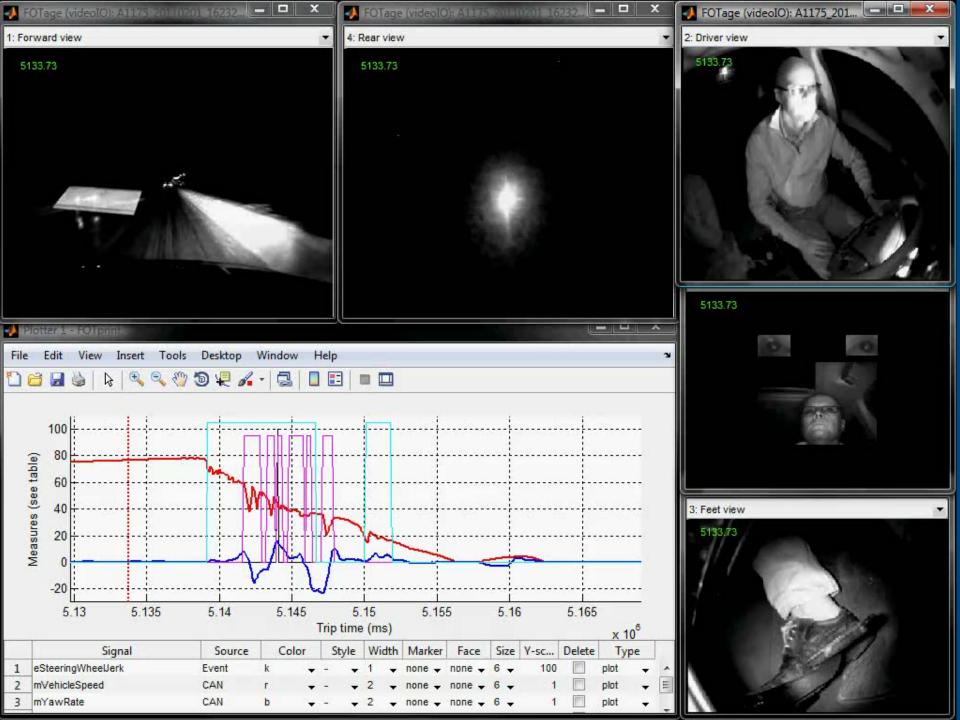


Further results

- 18 public deliverables with > 1500 pages from 76 authors
- 35.000.000 kilometers driven
- Over 100 TB data collected

euroFOT Final Event - Brussels







The Consortium





















































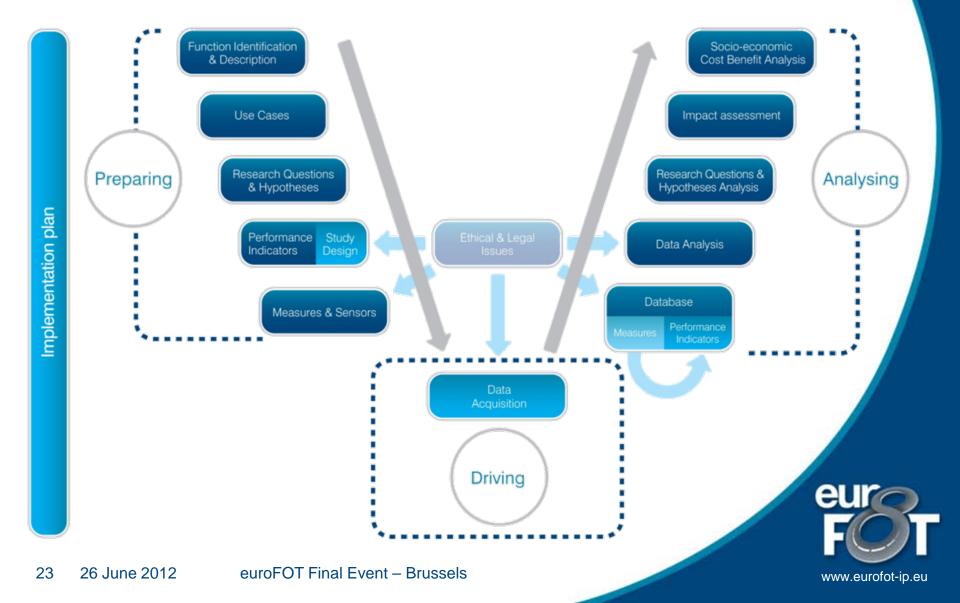








The Exhibition



8 Functionalities, 28 Partners, 1000 Vehicles 1 Field Operational Test, 8 Functionalities 28 Partners, 1000 Vehicles, 1 Field Operational Test 8 Functionalities, 28 Partners, 1000 Vehicles 1 Field Operational Test, 8 Functionalities 28 Partners, 1000 Vehicles, 1 Field Operational Test 8 Functionalities, 28 Partners, 1000 Vehicles 1 Field Operational Test





