EU-JAPAN COOPERATION WORKSHOP ON ITS

Field Operational Tests in Europe
Tokyo, 15 May

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FOT-Net is a support action co-funded by the European Commission to network FOT activities at European, national and international level.

FIELD OPERATIONAL TESTS (FOTS): A STEP TOWARDS DEPLOYMENT

Preparing for policy decisions  →  Policy decisions to support deployment

- Research projects
  - Framework Programmes
  - New research ideas and proof of concept

- FOTs
  - Framework Programmes
  - Assessment

- Pilots
  - Competitiveness and Innovation Programme
  - Pre-Deployment

Deployment
WHAT IS FOT-NET?

FOT-Net is a support action funded by the European Commission to network Field Operational Test activities at European, National and International levels.

- First phase 2008 – 2010, 10 funded partners, funding of 1.2 M€
- Second phase 2011 – 2013, 15 funded partners, funding of 1.4 M€
WHO IS PART OF FOT-NET?

Open to your participation

FOT-Net Community

FOT-Net Associated Partners

FOT-Net Consortium

National, European and International

FOT-NET IN THE FOT LANDSCAPE
THREE LEVELS OF SUPPORT

FOT-Net 2
FOT Networking Platform
- FESTA Methodology
- Information from FOTs
- Link to deployment

National Level
European Level
Global Level

2008 2009 2010 2011 2012 2013

Geography

Time

FESTA + FOT Methodology

FOTs Naturalistic Driving Studies
FOTs Mature ICT Systems
FOTs Cooperative Systems
FOTs Low Carbon Emissions
LATEST FOT-NET ACTIVITIES

FOT Networking Platform
- FOT-Net 4th International Workshop, Orlando, 16 October 2011: Conclusions are online
- Newsletter n°9, special focus on euroFOT (March 2012)
- Coordination Day for Cooperative Systems FOTs (EC projects only), 25 May
- FOT Wiki: regular updates, new sections

FOT Methodology
- Revised version in FOT Wiki
- Revisiting FESTA from the point of view of Cooperative systems, Naturalistic Driving and Nomadic Devices

FOT Working Groups: Tackling critical issues related to the FESTA methodology
- Data analysis, Events and incident definition, Legal and ethical issues, Impact assessment and scaling up, Data sharing
- TORs are online

Stakeholder needs survey: ongoing
- Share your experiences and opinions
- To participate contact info@fot-net.eu

FOT Evaluation and Validation Database (with iCar Support)
- Your support is needed to build this database

Interested in these activities? Email info@fot-net.eu

FOT ACTIVITIES IN EUROPE

• Pan-European Level:
  – euroFOT
  – TeleFOT
  – FOTsis
  – DRIVE C2X
• ITS Test Beds
EUROFOT
EUROPEAN LARGE-SCALE FIELD OPERATIONAL TESTS ON IN-VEHICLE SYSTEMS
• Evaluating the impact of intelligent vehicle systems on safety, the environment, driver efficiency.
• 8 functions under testing:
  – Longitudinal control functions
  – Lateral control functions
  – Advanced applications
• Operation Sites: France, Germany, Italy and Sweden
• Status: Data analysis is ongoing. Findings will be unveiled at final event on 26-27 June in Brussels
• Budget/EC Funding: Euro 22 million/Euro 14 million
• Duration: May 2008 - June 2012 (50 months)
• Consortium: 28 partners from 10 different countries

TELEFOT
FIELD OPERATIONAL TEST OF AFTERMARKET AND NOMADIC DEVICES
• Assessment of the impacts of functions provided by aftermarket and nomadic devices for driver support and raise wide awareness of their functions and potential
• Tested functions covering two main areas: safe driving and economic and fuel efficient driving:
  – Traffic information
  – Speed limit information
  – Speed alert
  – Navigation support (static)
  – Navigation support (dynamic)
  – Green driving support
  – eCall
  – Forward Collision Warning
  – Lane Departure Warning
• Status:
  • Data analysis ongoing.
  • Findings will be unveiled at final event in November
• Budget/EC funding: Euro 14.5 million/Euro 9.7 million
• Duration: June 2008 – November 2012 (54 months)
• Consortium: 23 partners
FOTSIS
EUROPEAN FOT ON SAFE, INTELLIGENT AND SUSTAINABLE HIGHWAY OPERATION

• FOTSis will test the road infrastructure's capability to incorporate the latest cooperative systems technology
• 9 Test-Sites in 4 European Test-Communities: Spain, Portugal, Germany and Greece
• 7 services will be tested in experimental environments throughout Europe:
  – S1: Emergency Management
  – S2: Safety Incident Management
  – S3: Intelligent Congestion Control
  – S4: Dynamic Route Planning
  – S5: Special Vehicle Tracking
  – S6: Advanced Enforcement
  – S7: Infrastructure Safety Assessment
• Status:
  – System architecture has been developed
  – Selection of drivers has been launched
• Budget/EC Funding: EUR 13,8 million/EUR 7,85 million
• Duration: April 2011/September 2014 (42 Months)
• Consortium: 23 partners in 8 countries

DRIVE C2X
LARGE SCALE FOT FOR C2X COMMUNICATION TECHNOLOGY

• Focus on communication among vehicles (C2C) and between vehicles, a roadside and backend infrastructure system (C2I)
• The functions under test:
  – Local danger alert
  – Driving assistance
  – Traffic flow improvement
  – Traffic management
  – Local information services and
  – Test site-specific functions to be defined independently by each test site
• Status:
  – Reference system has been developed and tested
  – DRIVE C2X @ DITCM test site event, 5 July 2012
• Budget / funding: Euro 18.820 million/ Euro 12.400 million
• Start date / duration: Jan 2011 – Dec 2013 (36 months)
• Consortium: 31 partners and 15 support members
ITS TESTBeds IN EUROPE

- AIM, Braunschweig (D)
- InnovITS, Oxford (UK)
- Aktiv, SimTD, Frankfurt (D)
- SPITS (DITCM), Helmond (NL)
- VTT, Tampere (FIN)
- TSS, Gothenburg (S)
- SISCOGA, Vigo (E)
- SATORY (SCORE@F), Versailles (F)
- AutoBrennero, Trento (I)
- AustriaTech, Vienna (A)
- SINTEF, Trondheim (N)
- Warsaw (PL)
- Bilbao (E)
- Lyon (F)

CONCEPT OF EUROPEAN ITS TESTBEDS

- Create a positive innovation environment
- Enable powerful functional testing
- Promote interoperability and ITS standards compliance (ETSI/CEN/ISO)
- Harmonise test environment & infrastructure
- Converge towards service platform (e.g. Europe-Wide Service Platform (EWSP))
- Define certification procedures for Cooperative Mobility apps
EVENTS COMING UP

• euroFOT Final Event, Brussels, 26-27 June
• ITS World Congress Vienna, 22-26 Oct
• FOT-Net International Workshop, Vienna, 21 Oct
• TeleFOT Final Event, Brussels, Nov, (date TBC)
• Stakeholders Workshop, Brussels, Nov (date TBC)

JOIN THE FOT-NET ACTIVITIES

• Join the FOT-Net Linked-In group
• Send FOT-Net your national news
• Use the FOT wiki and provide new content
• Attend the workshops, seminars, webinars
• Contribute to the WGs
• Share your ideas with the FOT-Net team, so FOT-Net can continue to improve its support to you

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Join FOT-Net on Linked-In:
http://www.linkedin.com/groups/FOTNet-4094844