



DATA AND TOOLS FOR DATA SHARING

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This project has received funding from the European Union's Seventh Framework Programme for research, technological development and demonstration under grant agreement no 610453

www.fot-net.eu

OBJECTIVE

- Collection of FOT Data tools
 - Tools for data enrichment phases (map matching, local information retrieval) and data analysis (e.g. data viewers, video annotation, post-processing and indicator calculation)
 - Tools used in certain FOTs (e.g. euroFOT, TeleFOT, DRIVE C2X etc.)
 - Building on tool collection form FOT-Net wiki on tools for data analysis and data processing

PROCEDURE 1/2

- Check availability of such tools and processed result data for 3rd parties.
- Consideration of confidentiality necessary (e.g. data enrichment tools such as map matching)
- Surveys new FOT data tools
- Maintains FOT-Net's Tool Section in FOT-Net Wiki
- Linkage of Data Catalogue and Tools Catalogue

PROCEDURE 2/2

- Identification of tools and methods that can support data sharing itself: e.g. software for data transfer purposes, tools to alter data to make it anonymous or unclassified (e.g. conversion of OEM vehicle bus data) upkeep security etc.
- Findings will result in FESTA updates e.g. regarding common post-processing steps, types of data aggregation (summary sets such as trips and events) and data exchange formats

PROCESS

- Inventory List for FOT Tools
- Identification of responsible persons for different FOTs
- Data collection
- Presentation of results (WIKI)

TOOLS FOR DATA SHARING TEMPLATE

- Information about:

- Provider
- Name
- # of CAN channels
- Memory
- Filtering
- Trigger
- Diagnose
- GPRS/GSM, GPS
- WLAN
- LAN
- Input
- Energy Save
- Consumption idle
- Consumption on
- Other inputs
- Other outputs
- Price
- Contact
- Casing
- Size
- Interfaces
- Audio
- Usage in FOT



FOT-Net is a support action funded by the European Commission DG Information Society and Media under the Seventh Framework Programme for R&D

Provider	Name	# of CAN channels	Memory	Filtering	Trigger	Diagnose	GPRS/GSM	GPS	WLAN	LAN	Input	Energy Save	Consumption idle	Consumption on	Other inputs	Other outputs	Price	Contact	Casing	Size	Interfaces	Audio	Usage in FOT	
CTAG	Datalogger II	4	SDHC	yes	yes	yes	yes	yes	no	no	9V-18V / 18-30V	yes	30 mA	350 mA	no	no	400 € (EuroFOT)		Aluminium Box, Automotive Connector	32 x 108 x 80 mm	4 x CAN, GPRS, GPS, USB, Serial Bus	No	euroFOT	
BMCM	ePCI-LOG	4 (1Mb max, Vector DBC format)	CF, 2 Gb	-	no	no	no	no	no	yes	10-36V	no	-	-	16x Analog IN, 16bit 32x Digital I/O (2x 16bit, TTL)	2x Analog OUT 12bit, ±10V	2,500 €	link	-	110 x 110 x 215mm	2 SubD37(I/O) 3 SubD9 (CAN/RS232/DIO) 1 SubD15 (VGA) Din-stocker 3 via PS2 2 USB 1 LAN	-	-	
CAESAR	QIC miniLog	2 (HS or LS)	SD or SDHC (4 Gb)	yes	yes	yes	no	no	no	no	7V-60V	no	-	130mA	no	no	tbc	link	Robust and waterproof (IP 67)	120 x 70 x 22 mm	-	-	-	
CANopen	USB-CAN-log datalogger	2 (HS, LS Optional)	SD or MMC, 1 Gb	yes	yes	no	no	no	no	no	USB ou 24V	no	-	-	no	no	tbc	link	ABS IP20	90 mm x 70 mm x 20 mm	-	-	-	
CSM	unican	3	ATA flash card type II or CF 2 Gb	yes	yes	option	option	no	no	no	8-32V	yes	2ma at 12V	1600mW	no	no	tbc	link	robust metal caryeng	109x35x176	4 subD9 3-pin low voltage connector	no	-	
Dreyer + Thimm	Micombox	2	CF 4 Gb	-	yes	no	yes	yes	yes	yes	-	yes	-	-	yes (4 0-3V 4 digital/freq)	yes (digiVPWM)	tbc	link	-	-	-	-	-	-
EXOTEST	OLC-MUNDIAGLI-C	2 (1 LIN/ISO)	CF 4 Gb	yes	yes	yes	no	no	no	no	USB	yes	30mA	200mA	yes	-	-	link	-	140x58x22	HS620SD 16 pin, male)	-	-	
IMC	imc-busdaq2	2	CF (optional)	-	-	-	(extern modem connect)	yes	no	yes	10-50V	yes	200mW	3W	no	no	tbc	link	Fanless extruded aluminium	185 mm x 110 mm x 51 mm	6 subD9	-	-	

FOT WIKI

The FOT-Net Wiki is the Free Living Encyclopedia of FOTs that anyone can edit:
it is the tool “for and by” the FOT community.

It can be accessed via: www.wiki.fot-net.eu

What can I do?

Create an account

Update and upload information about your FOT

Monitor FOTs in your geographical area/field of expertise and edit the Wiki directly or contact info@fot-net.eu



The screenshot shows the homepage of the FOT-Net Wiki. At the top, there are navigation tabs for 'page', 'discussion', 'view source', and 'history'. The main heading reads 'Welcome to the wiki of Field Operational Tests'. Below this, a yellow banner welcomes users to the FOT-Net Wiki, stating it is a free encyclopedia of Field Operational Tests that anyone can edit, with 161 articles and 1,951 edits by 71 registered contributors. It includes links to 'Create an account', 'Write the article of a new FOT', and 'Request an article about a new FOT'. A blue box below states the wiki's purpose: 'This wiki intends to be a resource for anyone interested in Field Operational Tests, their organisation, their set up and their results. We strongly encourage you to contribute to this online resource.' It also provides a link to sign up and contact information. A featured article section highlights 'sim^{TD}' as the month's featured FOT, describing its application in traffic monitoring and management. A 'The FOT Catalogue' section explains the goal of creating a catalogue of key information about various past, current, and planned field tests in Europe, North America, and the region Asia-Pacific. A final note encourages users to add their field tests if not listed.



FOT WIKI

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(Redirected from [Main Page](#))

Welcome to the FOT-Net Wiki,
the free encyclopaedia of [Field Operational Tests](#) that anyone can edit!
461 articles and 5,988 edits by 647 registered contributors.

- [Create an account](#)
- [Write the article of a new FOT](#)
- [Request an article about a new FOT](#)


This wiki intends to be a resource for anyone interested in Field Operational Tests, their organisation, their set up and their results. We strongly encourage you to contribute to this online resource.

[Sign up to FOT Wiki here](#)

Experiencing problems using the wiki? Check the [help page](#) or contact us at info@fot-net.eu.

Another useful reference tool is the [iMobility effects database](#). This database maintains state-of-the-art knowledge of the effects of different intelligent vehicle and infrastructure systems. Links to studies, conference papers and articles are structured according to type of system or application.

This month's featured FOT: CO-GISTICS



The [CO-GISTICS](#) pilot project was just launched. The project targets an effective increase of energy efficiency and a more sustainable mobility of goods through the deployment of Cooperative ITS services and technologies applied to logistics.

[CO-GISTICS](#) will deploy 5 services:
Intelligent parking and delivery areas; Multimodal cargo CO2 emission estimation and monitoring; Priority and Speed advice; Eco-drive support

More information on: [ERTICO website](#) and [CO-GISTICS](#)

Frequently asked questions

[What are Field Operational Tests?](#)

[What is the FOT-Net support action?](#)

[What are the objectives of Field Operational Tests?](#)

[Is the data from the different FOTs comparable?](#)

[What is the difference between an FOT / Pilot / Naturalistic Driving Study \(NDS\)?](#)

Tools for FOTs

The conduction of an [FOT](#) or a [Naturalistic Driving Study \(NDS\)](#) requires specific tools. In previous projects these tools were developed each time an FOT or NDS was conducted by the FOT/NDS partners taking into account the specific needs and requirements of their FOT/NDS. This leads to a considerable amount of work, which partly could have been avoided, if existing tools would have been used and additionally if these tools would have been developed in a more general way considering a broader field of application and not only the projects these have been developed for.

The FOT Catalogue

With the aim to involve all experts, FOT-Net has created a [FOT Catalogue](#) to which everyone can contribute. It is an online list of past and present FOT activities for anyone interested in FOTs, their methodology, their set-up and their results.

With this Wiki pages, we aim to build up a catalogue of key information about various past, current and planned field tests in [Europe](#), [North-America](#) and the region [Asia-Pacific](#). You can help us build the [FOT Catalogue](#) by listing or enriching information about your field test in this catalogue!

If your Field Operational Test is not listed and you would like to add a page, please use the [FOT sheet template](#)

You can copy the code and headings and create a new FOT page based on the defined template.

The FOT Glossary

The FOT community has gradually set up a Glossary starting from the activities of [FESTA](#) and now further improved by [euroFOT](#).

FOT-Net is trying to bring the Glossary to the whole FOT community in the [FOT Glossary](#) where anyone can suggest an addition or amendment.

In addition the four pan-eropian CIP PSP pilot projects on Electromobility that were launched jointly in 2012 are working on a common Glossary. The [CIP PSP Electromobility pilot projects glossary](#) can be viewed on this Wiki.

FESTA handbook

FESTA has provided support to the FOT community by designing a handbook of good practice. The handbook will provide applicants to subsequent ICT calls, as far as possible (given the range of near-market ICT systems), practical guidance to allow them to develop compelling FOT projects that address the Commission's desire for an integrated and coordinated program of research.

Visit the [FESTA handbook](#) page to browse the FESTA handbook and the deliverables of FESTA.

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AVAILABLE TOOLS SECTION

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Tools for the "Analysing"-phase

(Redirected from [Tools for Analysing](#))

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- 2 Data preparation
- 3 Databases
- 4 Evaluation tools

Introduction

In the final FESTA phases ("Going up the V") collected data has to be processed and evaluated to prove or disprove the *hypothesis* generated about the investigated functions.

Data preparation

To do so, collected raw data (from the "using" step) has to be gathered, post-processed and transferred ("imported") into a database. These steps can be done in varying order, depending on tools.

Post-processing tools are: [Post-processing tools](#)

Data importing tools are: [Data importing tools](#)


Databases

Commonly used databases are: [Databases](#)

Evaluation tools

Once all relevant data is stored in a cross-referenced form (database) evaluation tools can be used to investigate drawn hypothesis. Evaluation tools are: [Evaluation tools](#)

This page was last modified on 26 February 2013, at 13:05. This page has been accessed 286 times. [Privacy policy](#) [About FOT-Net Wiki](#) [Disclaimers](#)

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EXAMPLE: ANALYSIS TOOL

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FOT-NET

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- 3 Experiences
- 4 Contact
- 5 Specific information
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 - 5.2 Input Data
 - 5.3 Output Data
 - 5.4 Limitations
 - 5.5 Work Mode
 - 5.6 Open Source
 - 5.7 Typical Users
- 6 Description

Purpose

Traffic Simulation

Usage in FOTs

[euroFOT](#), [TeleFOT](#)

Experiences

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Contact

Frederic Christen, christen@fka.de

Specific information

Type of Data Analysis


Impact Assessment, Hypothesis Testing

Input Data

Driver Data, Vehicle Data, Environmental Data, Trajectories

Output Data

PELOPS



Developer	fka
Category	Simulation
Release date	1994
Last update	2011
License	
Website	PELOPS (fka)
Operating System/Platform	Linux
GUI	yes

THANK YOU!

Questions?



For more information &
cooperation opportunities

www.fot-net.eu

Info@fot-net.eu



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