



Needs and priorities 2016

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ERMES Plenary Meeting 2016

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IFSTTAR - Lyon-Bron

Presentation outline

- Structure of WP 2015
 - *Need for change*
- Proposal
 - *ERMES work areas*
- Feed the new structure
 - *Needs from MS*
- Implementation
 - *Working Groups*



Work Programme 2015 (1/3)

Code	Acronym	Issue	Coord	Active	Active parties	Funding needs per year (Keuro)	Funding secured	Priority
2015-01	DBbag	ERMES bag database from lab tests	INFRAS	√	AVL-MTC, CASANZ, EMISIA, HS-DAC, INFRAS, JRC, LAT, TUG, TNO			1
2015-02	DBpems	ERMES PEMS database - including EFs validation using PEMS data	JRC		TUG, INFRAS, LAT, CTU, UniLju, TNO, IMPERIAL, ICCT		limited	2
2015-03	EFPC	Emission factors for PC	TUG	√	BASt, IFEU, INFRAS, HS DAC, TNM, TUG	a few hundreds of Keuro per year depending on new technologies introduction	0%	2
2015-04	EFLCV	Emission factors for LCV	TUG	√	IFEU, INFRAS, HS DAC, TNM, TUG		0%	1
2015-05	EFHDV	Emission factors for HDV	TUG	√	TNM, TUG, VTT		0%	1
2015-06	EFPTW	Emission factors for L-category	LAT		TNO, INFRAS, IFSTTAR, HS, TUG, BASt		0%	2
2015-07	EFalt	Emissions from alternative fuels	AVL-MTC	~	AVL-MTC, SSC, VTT, IFEU	several tens to few hundreds depending on number of tests	< 5%	1

Work Programme 2015 (2/3)

Code	Acronym	Issue	Coord	Active	Active parties	Funding needs per year (Keuro)	Fundings secured	Priority
2015-07b	NRMM	NON-ROAD MOBILE MACHINERY	LAT, TUG		LAT, IVL, JRC, TUG, CTU, IFEU			
2015-08	EFhyb	Emissions and energy consumption from PC and LCV hybrids	EMISIA	~	EMISIA, VTT, TUG, INFRAS, EMPA, TNO, UniLeeds	120	10%	1
2015-10	EFnonreg	Non-regulated pollutants	IFSTTAR	√	IFSTTAR, VTT, SSC			2
2015-11	coldP	Cold Start: LDV	EMPA	√	EMPA, INFRAS			1
2015-12	coldD	Cold Start: HDV	TUG			45k	0	1
2015-14	non-ex	Non-exhaust emissions	TNO		VTI			1
2015-15	aux	Auxiliaries	TUG	~	TUG	20	0	2
2015-16	insta	Tools for correction of instantaneous test results (testing phase)	TUG	√	LAT, JRC, TUG, VTT	Tool finalized and implemented	0	1
2015-17	TS	Traffic situations and drive cycle allocation	HS DAC	~	HS DAC, INFRAS, JRC, TUG, VTI, WSP	70 to 100 man/days	5%	2

Work Programme 2015 (3/3)

Code	Acronym	Issue	Coord	Active	Active parties	Funding needs per year (Keuro)	Fundings secured	Priority
2015-07b	NRMM	NON-ROAD MOBILE MACHINERY	LAT, TUG		LAT, IVL, JRC, TUG, CTU, IFEU			
2015-08	EFhyb	Emissions and energy consumption from PC and LCV hybrids	EMISIA	~	EMISIA, VTT, TUG, INFRAS, EMPA, TNO, UniLeeds	120	10%	1
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Work Areas

Traffic activity
(e.g. veh km travelled)

x

Specific emission
(=emission factor,
e.g. g NOx/km)

=

Emission
(e.g. t NOx)

Veh-Fleet /
Traffic Activity

eMobility

CO₂

Driving
Behaviour

In use perform.

Emission
Factors

Models /
Inventories

Emission
Measurements

PEMS

NO_x

Remote
Sensing

Non-
road
emis-
sions

Working Groups

- WG Measurements (PEMS)
 - Methodologies
 - Programs / implementation
 - Database
- WG Driving behaviour
- WG Traffic activities
- WG Emission factors
- WG Models
- WG Remote sensing
- WG Non-road emissions

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