Table 1. Mobility program between APT and the four collaborators

No.	From	То	Year	Type of persons	Type of event
1	APTL	HONDA	1 <sup>st</sup>	Pr. Coordinator	Exchange of know-how
2	APTL	HONDA	2 <sup>nd</sup>	Pr. Coordinator	Exchange of know-how
3	APTL	HONDA	2 <sup>nd</sup>	Pr. Coordinator Engineer	Training / Exchange of know-how
4	HONDA	APTL	3 <sup>rd</sup>	Researcher	Exchange of know-how
5	APTL	AVL	1 <sup>st</sup>	Pr. Coordinator Researcher	Exchange of know-how
6	APTL	AVL	2 <sup>nd</sup>	Researcher	Exchange of know-how
7	APTL	AVL	2 <sup>nd</sup>	Researcher	Training
8	AVL	APTL	2 <sup>nd</sup>	Researcher Engineer	Exchange of know-how
9	AVL	APTL	3 <sup>rd</sup>	AVL	Exchange of know-how
10	APTL	CRF	$2^{nd}$	Researcher	Exchange of know-how
				Researcher	Exchange of know-how
11	APTL	CRF	3 <sup>rd</sup>	Researchers	Exchange of know-how / Training
12	CRF	APTL	2 <sup>nd</sup>	Researcher Engineer	Exchange of know-how / Training
13	CRF	APTL	3 <sup>rd</sup>	Researchers	Exchange of know-how
14	APTL	CERTAM	2 <sup>nd</sup>	Researchers	Exchange of know-how / Training
15	CERTAM	APTL	2 <sup>nd</sup>	Researchers	Exchange of know-how
16	CERTAM	APTL	3 <sup>rd</sup>	Researchers	Exchange of know-how / Training

 Table 2. Schedule of APT-STEP Joint Measurement Campaign

Place	Period	Other organizations involved	Measurement of:
Turin (Italy)	16-22 Feb. 2015	ARPA	Air Quality
Turin (Italy)	23-27 Feb. 2015	CRF-FIAT	Brake wear (non-exhaust) emissions (preliminary / trouble shouting tests)
Rouen (France)	16 Mar.–1 Apr. 2015	CERTAM	In-cabin air quality (chase study)
Turin-Ispra (Italy)	18-22 May 2015	JRC	Brake wear (non-exhaust) emissions (final tests)

Table 3. APT-STEP W1 Agenda

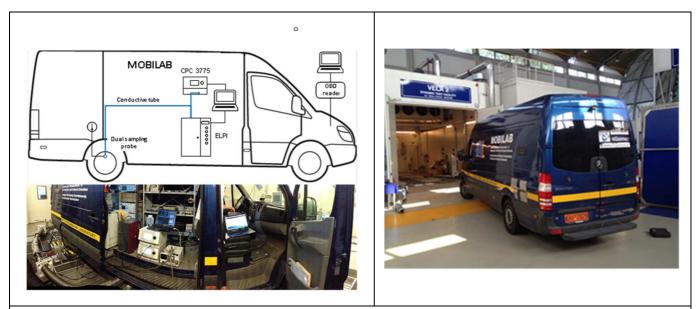
W1 1st DAY - Thursday, October 16th 2014				
9:00	9:15	Registration		
9:15	9:30	Welcome		
S1. Future Fuels - Future Engines				
9:30	10:00	S1 - Plenary Lecture	Rik S.G. BAERT, TNO "Feeding the internal combustion engine -changes ahead!?"	
10:00	10:15	S1 - L1	Athanasios G. KONSTANDOPOULOS, APTL/CERTH "Solar Fuels"	
10:15	10:30	S1 - L2	Loukia CHRYSIKOY, LEFH /CPERI/CERTH "Carbon footprint of renewable diesel produced via waste cooking oil catalytic hydrotreatment"	
10:30	10:45	S1 - L3	George SKEVIS, APTL/CERTH "Smart Fuels for Smart Engines: Perspectives and Challenges"	
10:45	11:30	Panel discussion		
11:30	12:00	Coffee Break		
S2. Mu	ıltifunct	ional Emission Control D	evices	
12:00	12:30	S2 - Plenary Lecture	Martin VOTSMEIER, UMICORE "Simulation based Design of Multifunctional Exhaust Devices"	
12:30	12:45	S2 - L1	Massimo ASTI, Centro Ricerche Fiat (CRF) "New Concepts for Integrated Diesel Exhaust Gases After- Treatment technologies"	
12:45	13:00	S2 - L2	Michael FISCHER, HONDA R&D "NOx Control Technologies for low Real Driving Emissions of Diesel Engines"	
13:00	13:15	S2 - L3	Dimitrios ZARVALIS, APTL/CERTH "Multi-Functional Reactor for Emission Reduction of Future Diesel Engine Exhaust"	
13:15	14:30	Lunch break		
14:30	15:15	Panel discussion		
15:15	17:00	Poster session with coffee		
20:30		Dinner at <i>Ouzeri Aristotelous</i> (Aristotelous 8 str.)		
W1 2nd	d DAY -	Friday, October 17th 201	4	
S3. Ch	allenges	s in Low Emissions Measi	rement and Testing	
9:30	10:00	S3 - Plenary Lecture	Oliver BISCHOF, TSI "Recent Developments and Challenges in the Measurement of Low Particle Emissions"	
10:00	10:15	S3 - L1	Alexander BERGMANN, AVL List GmbH "AVL Real Driving Emissions: Challenges in Emissions Measurement and Testing"	
10:15	10:30	S3 - L2	Apostolos TSAKIS, APTL/CERTH	

			"On-board emissions measurements of locomotive diesel engines"
10:30	10:45	S3 - L3	Heinz BURTSCHER, FHNM
			"Handheld device for diesel filter inspection"
10:45	11:30	Panel discussion	
11:30	12:00	Coffee Break	
S4. Air	<sup>.</sup> Quality	Issues and Retrofit App	proaches
12:00	12:30	S4 - Plenary Lecture	Andreas MAYER, TTM
		•	"Best available technology for retrofitting CI and SI
			vehicle engines"
12:30	12:45	S4 - L1	Jean-Paul MORIN, INSERM/CERTAM
			"Evolution of mobile sources tailpipe emission impacts on
			air quality and health"
12:45	13:00	S4 - L2	Anastasia POUPKOU, AUTH/LAP
			"Air quality in a Mediterranean city-port Particulate
			matter source apportionment using the WRF-CAMx
13:00	13:15	S4 - L3	modeling system"
13:00	13:15	S4 - L3	<b>Ilias MAVROIDIS</b> , MIN. of ENVIRONMENT, ENERGY and CLIMATE CHANGE/HELLENIC OPEN
			UNIV.
			"Urban trends of NOx, NO <sub>2</sub> and O <sub>3</sub> in Athens and their
			relation to traffic"
13:15	14:30	Lunch break	1 2 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3
14:30	15:15	Panel discussion	
15:15	16:30	CERTH tour	
16:30		End of workshop	

 Table 4. APT-STEP W2 Agenda

W2 1st DAY - Thursday, February 25th 2016				
9:00	9:15	Registration		
9:15	9:30	Welcome		
S1. En	S1. Enabling Technologies (nanosynthesis and computational materials)			
9:30	10:00	S1 - Plenary Jorma JOKINIEMI, Univ. of Eastern Finland		
		Lecture	"Novel aerosol based methods for Li-ion battery material synthesis"	
10:00	10:15	S1 - L1	George FROUDAKIS, Univ. of Crete	
			"Hydrogen Storage in Novel Nanoporous Materials for Automotive Applications"	
10:15	10:30	S1 - L2	Athanasios PAPADOPOULOS, PSDI / CPERI / CERTH	
			"Computer-Aided Molecular Design of Pure and Mixed Working	
			Fluids For Organic Rankine Cycles"	
10:30	11:00	Panel discussion		
11:00	11:30	Coffee Break / Poster Session		
11:30	13:00	Tutorial speech on Electrochemistry by Prof. Constantinos VAYENAS		

		(Univ. of Patras) with Q&A session		
13:00	14:30	Lunch break		
S2. Ch	S2. Challenges in Battery Technologies			
14:30	15:00	S2 - Plenary Lecture	Silvia BODOARDO, Politecnico di Torino "Challenges in Battery Technologies: Materials for electrochemical cells with enhanced performance and new post-lithium ion systems"	
15:00	15:15	S2 - L1	Dimitris ZARVALIS, APTL / CERTH "Next generation Li-ion batteries: the eCAIMAN project"	
15:15	15:30	S2 - L2	Carlotta FRANCIA, Politecnico di Torino "Li-air pouch cell prototype developed within the STABLE project reaching over 150 cycles in ambient air"	
15:30	16:00	Panel discuss	ion	
16:00	17:00	Coffee Break	/ Poster Session	
20:30		Dinner at Erg	on Agora (Pavlou Mela 42 str.)	
W2 2nd	DAY -	Friday, Febr	uary 26 <sup>th</sup> 2016	
S3. Ch	allenges	s in Membrane	e Electrode Assembly Technologies	
9:30	10:00	S3 - Plenary Lecture	Jens Oluf JENSEN, Technical Univ. of Denmark "Challenges in Membrane Electrode Assembly Technologies"	
10:00	10:15	S3 - L1	Dimitrios TSIPLAKIDES, Aristotle Univ. of Thessaloniki "Membrane electrode assemblies for solid polymer water electrolyzers"	
10:15	10:30	S3 - L2	Maria DALETOU, FORTH / ICE-HT "Stable and effective electrochemical interfaces for HT PEMFCs"	
10:30	11:00	Panel discuss	sion	
11:00	11:30	Coffee Break / Poster Session		
S4. Fre	om Mate	erials to Systen	ns	
11:30	12:00	S4 - Plenary Lecture	Vottorio RAVELLO, CRF "Hybrid and Electric Vehicles Powertrain E-Components: Challenges and Perspectives. Opportunities for Novel-Improved Materials?"	
12:00	12:15	S4 - L1	Peter PRENNINGER, AVL List GmbH "SOFC Systems for Truck and Small/Medium Power Stationary Applications"	
12:15	12:30	S4 - L2	Spyros VOUTETAKIS, PSDI / CPERI / CERTH "Efficient system design and energy management for renewable hydrogen production based on PV power and PEM water electrolysis"	
12:30	13:00	Panel discussion		
13:00	14:30	Lunch break		
14:30	16:00	APT Lab. tour		
16:00		End of works	shop	



**Figure 1**. Experimental apparatus arrangement in CRF and JRC