PLUG-N-HARVEST

Plug-n-play passive and active multi-modal energy Harvesting systems, circular economy by design, with high replicability for Self-sufficient Districts & Near-Zero Buildings

768735, H2020-EEB-2017

Meeting Agenda

Plug-N-Harvest 4th Plenary Meeting

Project funded by the European Community in the H2020 Framework Programme

Meeting Agenda SUMMARY SHEET

Meeting Agenda Details	
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Author(s):	Elias Kosmatopoulos (CERTH), Christos Ravanis (CERTH)
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Project Details	
Project Acronym:	PLUG-N-HARVEST
Project Title:	Plug-n-play passive and active multi-modal energy Harvesting systems, circular economy by design, with high replicability for Self-sufficient Districts & Near-Zero Buildings
Project Number:	768735
Call Identifier:	H2020-EEB-2017
Call Theme:	Integration of energy harvesting at building and district level
Project Coordinator:	Centre for Research and Technology Hellas (CERTH)
	CERTH – Centre for Research and Technology Hellas – Greece
	RWTH – RWTH Aachen University – Germany
	CU – Cardiff University – United Kingdom
	ALUMIL – Alumil Aluminium Industry S.A. – Greece
	AIGUASOL – Sistems Avancats d' Energia Solar Termica SCCL - AIGUASOL – Spain
	ODINS – Odin Solutions S.L – Spain
	SIE – Siemens SRL – Romania
	ETRA – Etra Investigacion y Desarrollo S.A. – Spain
	ET – Energy Transitions Limited – United Kingdom
	EIG – Eco Intelligent Growth – Spain
Participating Partners:	AHC – Agencia de l'Habitatge de Catalunya – Spain

	RWM – Region of Western Macedonia – Greece	
	CCC – County Council of the City and County of Cardiff – United Kingdom	
Instrument:		
Contract Start Date:	September 1, 2017	
Duration:	51 Months	

Meeting Agenda : Short Description			
Keywords: Plenary; Meeting; Agenda;			

Meeting Agenda : Revision History			
Version:	**Date:**	**Status:**	**Comments**
0.1	14/09/2018	Draft	Structure by CU, CCC and ETL
0.5	21/09/2018	Draft	Inputs by Elias Kosmatopoulos and Christos Ravanis (CERTH)
0.6	01/10/2018	Draft	Inputs by RWTH and CERTH/CPERI
0.7	16/10/2018	Draft	WP1 and WP5 structure by AIGUASOL
0.8	26/10/2018	Draft	Necessary rearrangements by RWTH
1.0	29/10/2018	Under Review	Final version by Elias Kosmatopoulos and Christos Ravanis (CERTH), reviewed by CU
1.1	19/11/2018	Final	Inputs by CU

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Plug-N-Harvest: 4ᵗʰ Plenary Meeting
20-22 November 2018
Cardiff

1 Overview

First Day (20 November 2018): Cardiff City Council pilot site visit (optional).

Second Day (21 November 2018): 4th Plenary Meeting – Monitor progress in WP4, WP1 & WP2.

Third Day (22 November 2018): 4th Plenary Meeting – Monitor progress in WP3, WP5, WP6 & WP7.

2 Agenda

20th November 2018 – Cardiff City Council:
74 & 76 Uphill Road, Llanrumney, Cardiff, CF3 4HE, UK
Check the map for the exact location!

Time	Agenda Item	Moderator
16:00	➢ *Visit start* ➢ *Maximum 8 people can attend. Please contact Gareth Harcombe* *GHarcombe@cardiff.gov.uk* *for your attendance*	
16:00 – 18:00	Pilot visit	CCC

21st November 2018 – Cardiff University:
Exhibition room, Bute Building, King Edward VII Avenue, Cardiff, CF10 3NB, UK
Check the map for the exact location!

Time	Agenda Item	Moderator
09:15 – 09:30	Arriving and coffee ➢ *List of attendees* ➢ *Approval of agenda*	CU CERTH/ITI
09:30 – 10:15	PLUG-N-HARVEST deployment at Spanish pilot ➢ *Progress on tenders / installation* ➢ *Façade design details (together with ALUMIL)* ➢ *Façade technologies selected* ➢ *Details on sensors / equipment*	AHC
10:15 – 11:00	PLUG-N-HARVEST deployment at Greek pilot ➢ *Progress on tenders / installation* ➢ *Façade design details (together with ALUMIL)* ➢ *Façade technologies selected* ➢ *Details on sensors / equipment*	RWM CERTH/CPERI
11:00 – 11:20	Coffee and Tea Break	
11:20 – 12:10	PLUG-N-HARVEST deployment at German pilot ➢ *Progress on tenders / installation* ➢ *Façade design details (together with ALUMIL)* ➢ *Façade technologies selected* ➢ *Details on sensors / equipment*	RWTH
12:10 – 13:00	PLUG-N-HARVEST deployment at Welsh pilot ➢ *Progress on tenders / installation* ➢ *Façade design details (together with ALUMIL)* ➢ *Façade technologies selected* ➢ *Details on sensors / equipment*	CU CCC
13:00 – 13:40	Light Lunch Break	
13:40 – 14:10	Cardiff University pilot site potential components ➢ *BIPVco products* ➢ *Nuaire products*	CU
14:10 – 14:30	Discussion of the pilot site	CU
14:30 – 15:15	Requirements Analysis and Engineering ➢ *General WP1 progress update (AIGUASOL) [5 min.]* ➢ *Summary of work done in T1.1 – End-User and Business Requirements (AIGUASOL) [5 min.]*	AIGUASOL CU RWTH CERTH/CPERI

	➢ *Summary of work done in T1.2 & Task 1.3 – Use cases, Evaluation Plan and Analysis of Building types (CU) [10 min.]* ➢ *Progress update and summary of work done in T1.4 – PnH architectural design and technical specs (RWTH) [10 min.]* ➢ *Progress update and summary of work done in T1.5 – Active-façade CFD simulation (CERTH/CPERI) [10 min.]* ➢ *Q&A [5 min.]*	
15:15 – 16:00	**PLUG-N-HARVEST ADBE System** ➢ *Modelica simulation and incorporation of CFD results* ➢ *Further detailing of design details incl. consultation of industry partner*	RWTH
16:00 – 16:20	Coffee and Tea Break	
16:20 – 17:00	**PLUG-N-HARVEST ADBE System (cont.)** ➢ *Prototype/Pre-Pilot implementation status and 3D print* ➢ *Database status and prospective development* ➢ *D2.1, D2.2 and D2.3 and contributions of project partners*	RWTH
17:00 – 17:15	Conclusions / Misc. / AOB	CERTH/ITI
20:00 – 21:45	**Common Social Dinner** ➢ ***Jamie's Italian**, St David's 2 Shopping Centre, Cardiff CF10 1GA* ➢ *Check the map for the exact location!*	

22nd November 2018 – Cardiff University:

Council Chamber Main Building, Park Pl, Cardiff, CF10 3AT, UK

Check the map for the exact location!

Time	Agenda Item	Moderator
09:15 – 09:30	Arriving and coffee ➢ *List of attendees* ➢ *Approval of agenda* ➢ *Group photo*	CU CERTH/ITI
09:30 – 10:30	Control and Management at Building and District Level ➢ *Module implementation progress* ➢ *Interface implementation* ➢ *Dummy server integration services* ➢ *Services' UML diagrams* ➢ *Modules cooperation*	CERTH/ITI SIEMENS ETRA ODINS
10:30 – 11:00	Circular Economy Business Model & Exploitation Plan ➢ *General WP5 progress update (AIGUASOL) [5 min.]* ➢ *Summary of work done and next steps in Task 5.1 – CE Design Guidelines and Materials DB (EIG) [15 min.]* ➢ *Summary of work done and next steps in Task 5.2 – CE compliance assessment methodology (AIGUASOL) [15 min.]*	AIGUASOL EIG
11:00 – 11:20	Coffee and Tea Break	
11:20 – 13:00	Circular Economy Business Model & Exploitation Plan (cont.) ➢ *Summary of work done in Task 5.5 – Standardization Models and Analysis (CERTH/ITI) [15 min.]* ➢ *Summary of work done in Task 5.6 – CE Business Models and Exploitation Plans (AIGUASOL-EIG) [10 min.]* ➢ *Next steps Task 5.6 – CE Business Models and Exploitation Plans (AIGUASOL-EIG) [15 min.]*	AIGUASOL EIG CERTH/ITI
13:00 – 13:45	Light Lunch Break	
13:45 – 14:45	Circular Economy Business Model & Exploitation Plan (cont.) ➢ *Next steps Task 5.6 – Third parties discussion* ➢ *Extending the PnH concept definition (ETL)*	AIGUASOL EIG CERTH/CPERI ETL
14:45 – 15:00	Dissemination & Communication	CERTH/ITI
15:00 – 15:40	Project management ➢ *Depreciation and subcontracting* ➢ *GA Amendment process*	CERTH/ITI

15:40 – 16:00	Coffee and Tea Break	

16:00 – 16:45	Project management (cont.)
	
	   ➢ *Dissemination group*
	   ➢ *Periodic report and Cost Claim submission*
	   ➢ *Review meeting preparation*
		CERTH/ITI

16:45 – 17:00	Conclusions / Misc. / AOB	CERTH/ITI