



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 5th Plenary Meeting

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Author(s):	Elias Kosmatopoulos (CERTH), Christos Ravanis (CERTH)
Dissemination Level:	PU - Public

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**H20220-EEB-07-2017 - Integration of energy
harvesting at building and district level**



Meeting Agenda SUMMARY SHEET

Meeting Agenda Details	
Type of Document:	Meeting Agenda
Document Reference #:	
Title:	Plug-N-Harvest 5th Plenary Meeting
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Preparation Date:	January 31, 2019
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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

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0.1	18/01/2019	Draft	Structure by Elias Kosmatopoulos and Christos Ravanis (CERTH)
0.2	30/01/2019	Draft	Contribution by AHC, RWTH and CCC
1.0	31/01/2019	Final	Final version by Elias Kosmatopoulos and Christos Ravanis (CERTH)

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Plug-N-Harvest: 5th Plenary Meeting

26-27 February 2019

E.ON Energy Research Center, Aachen

1 Overview

First Day (26 February 2019): 5th Plenary Meeting – Monitor progress in all Work Packages

Second Day (27 February 2019): 5th Plenary Meeting – Review rehearsal

2 Agenda

26th February 2019 – E.ON Energy Research Center:

10 Mathieustrasse str., 52074, Aachen, Germany

[Check the map for the exact location!](#)

Time	Agenda Item	Moderator
09:00 – 09:15	Opening-Welcome <ul style="list-style-type: none"> ➤ List of attendees ➤ Approval of agenda ➤ Ongoing issues since last (4th) Plenary Meeting 	RWTH CERTH/ITI
09:15 – 10:00	Adding a new organization/partner <ul style="list-style-type: none"> ➤ Current modular concept plan – possible further design role for the new organisation ➤ Precise work specification, delivery deadlines ➤ Clarifications on costs, budget transfers, timescale for the commission ➤ Lead partner for managing the procurement process 	CERTH/ITI ALL
10:00 – 10:45	Project Management (WP7) <ul style="list-style-type: none"> ➤ General WP7 progress update (CERTH/ITI) [5 min.] ➤ Progress update and summary of work done in T7.1 (CERTH/ITI), T7.2 (CERTH/ITI) [15 min.] ➤ GA Amendment [20 min.] ➤ Q&A [5 min.] 	CERTH/ITI ALL
10:45 – 11:15	Coffee Break	
11:15 – 12:15	Requirements Analysis and Engineering (WP1) <ul style="list-style-type: none"> ➤ General WP1 progress update (AIGUASOL) [5 min.] ➤ Progress update and summary of work done in T1.1 (AIGUASOL), T1.2 (CU), T1.3 (CU), T1.4 (RWTH), T1.5 (CERTH/CPERI) [45 min.] ➤ Q&A [10 min.] 	AIGUASOL CU RWTH CERTH/CPERI
12:15 – 13:00	The PLUG-N-HARVEST ADBE System (WP2) <ul style="list-style-type: none"> ➤ General WP2 progress update (RWTH) [5 min.] 	RWTH



	<ul style="list-style-type: none"> ➤ Progress update and summary of work done in T2.1 (RWTH), T2.2 (CERTH/CPERI), T2.3 (RWTH), T2.4 (RWTH), T2.5 (RWTH) [35 min.] ➤ Q&A [5 min.] 	CERTH/CPERI
13:00 – 13:30	Dissemination of Results & Communication (WP6) <ul style="list-style-type: none"> ➤ General WP6 progress update (CERTH/ITI) [5 min.] ➤ Progress update and summary of work done in T6.1 (CERTH/ITI), T6.2 (CERTH/ITI) [15 min.] ➤ Q&A [10 min.] 	CERTH/ITI ALL
13:30 – 14:30	Light Lunch Break	
14:30 – 15:30	The PLUG-N-HARVEST Control and Management at Building and District Level (WP3) <ul style="list-style-type: none"> ➤ General WP3 progress update (CERTH/ITI) [5 min.] ➤ Progress update and summary of work done in T3.1 (CERTH/ITI), T3.2 (ETRA), T3.3 (CERTH/ITI), T3.4 (ODINS), T3.5 (CERTH/ITI) [45 min.] ➤ Q&A [10 min.] 	CERTH/ITI ETRA ODINS SIEMENS
15:30 – 15:45	Coffee Break	
15:45 – 16:45	Integration, Pilot Implementation and Assessment (WP4) <ul style="list-style-type: none"> ➤ General WP4 progress update (CERTH/ITI) [5 min.] ➤ Progress update and summary of work done in T4.1 (CERTH/ITI), T4.2 (RWTH), T4.3 (CCC-CU), T4.4 (AHC), T4.5 (RWM) [45 min.] ➤ Q&A [10 min.] 	CERTH/ITI RWTH CCC CU AHC RWM ALUMIL
16:45 – 17:45	Circular Economy Business Model & Exploitation Plan (WP5) <ul style="list-style-type: none"> ➤ General WP5 progress update (AIGUASOL) [5 min.] ➤ Progress update and summary of work done in T5.1 (EIG), T5.2 (AIGUASOL), T5.3 (CERTH/CPERI), T5.5 (ALUMIL), T5.6 (AIGUASOL) [45 min.] ➤ Q&A [10 min.] 	AIGUASOL EIG CERTH/CPERI ALUMIL
17:45 – 18:00	Conclusions / Misc. / AOB	CERTH/ITI
20:30 – 22:30	Common Social Dinner <ul style="list-style-type: none"> ➤ Maier Peveling's Restaurant ➤ Address: Alter Posthof 16, 52062 Aachen, Germany Check the map for the exact location! 	



27th February 2019 – E.ON Energy Research Center:
 10 Mathieustrasse str., 52074, Aachen, Germany
[Check the map for the exact location!](#)

Time	Agenda Item	Moderator
09:15 – 09:30	Opening-Welcome <ul style="list-style-type: none"> ➤ <i>List of attendees</i> ➤ <i>Approval of agenda</i> 	RWTH CERTH/ITI
09:30 – 10:45	Work Package 1 <ul style="list-style-type: none"> ➤ <i>Review of deliverables</i> <ul style="list-style-type: none"> ○ <i>D1.1[a] End-Users and Business Requirements Report</i> ○ <i>D1.2.1[a] Use Case Site Survey and Audit Report</i> ○ <i>D1.2.2 [a] Evaluation Plan</i> ○ <i>D1.3[a] Systems engineering requirements definition</i> ○ <i>D1.4[a] Detailed Architectural Design, Functional & Technical Specification</i> ○ <i>D1.5[a] Active-façade CFD simulation and optimization guidelines</i> ➤ <i>Identification of weak/unaddressed points and discussion on how to overcome these points in the forthcoming weeks</i> ➤ <i>Iteration of the slides for the 1st Review Meeting</i> 	AIGUASOL CU RWTH CERTH/CPERI
10:45 – 11:30	Work Package 2 <ul style="list-style-type: none"> ➤ <i>Review of deliverables</i> <ul style="list-style-type: none"> ○ <i>D2.1[a] PLUG-N-HARVEST ADBE Advanced Design</i> ○ <i>D2.2[a] PLUG-N-HARVEST ADBE Simulative Tests Evaluation</i> ○ <i>D2.3[a] Installation of PLUG-N-HARVEST ADBE in the facade test stand</i> ➤ <i>Identification of weak/unaddressed points and discussion on how to overcome these points in the forthcoming weeks</i> ➤ <i>Iteration of the slides for the 1st Review Meeting</i> 	RWTH CERTH/CPERI
11:30 – 12:00	Coffee Break	
12:00 – 13:00	Work Package 3 <ul style="list-style-type: none"> ➤ <i>Review of deliverables</i> <ul style="list-style-type: none"> ○ <i>D3.1[a] Plug-n-Play Intelligent Management and Control System (IMCS) for ADBE</i> ○ <i>D3.2[a] Plug-N-Play Optimal Energy Management System (OEMS) at District/Grid Level</i> ○ <i>D3.3[a] Control Safety Mechanisms</i> ○ <i>D3.4[a] Privacy and Security Components Description</i> 	CERTH/ITI ETRA ODINS SIEMENS



	<ul style="list-style-type: none"> ➤ <i>Identification of weak/unaddressed points and discussion on how to overcome these points in the forthcoming weeks</i> ➤ <i>Iteration of the slides for the 1st Review Meeting</i> 	
13:00 – 13:30	Work Package 4 <ul style="list-style-type: none"> ➤ <i>Discussion on the work performed so far and next steps</i> ➤ <i>Identification of weak/unaddressed points and discussion on how to overcome these points in the forthcoming weeks</i> ➤ <i>Iteration of the slides for the 1st Review Meeting</i> 	CERTH/ITI RWTH CCC CU AHC RWM ALUMIL
13:30 – 14:30	Light Lunch Break	
14:30 – 15:45	Work Package 5 <ul style="list-style-type: none"> ➤ <i>Review of deliverables</i> <ul style="list-style-type: none"> ○ <i>D5.1.1 [a] Guidelines On Circular Economy Design Delimitants And Conditioners</i> ○ <i>D5.1.2 [a] Materials Database Web Tool</i> ○ <i>D5.2.1 [a] Methodology To Check The Degree Of Compliance Of CE Principles On The Initial Stages Of Design</i> ○ <i>D5.5 [a] Report On Standardization Models</i> ○ <i>D5.6.1 [a] Market Analysis & Business Plan</i> ○ <i>D5.6.2 [a] Exploitation Plans</i> ➤ <i>Discussion on the work performed so far and next steps</i> ➤ <i>Identification of weak/unaddressed points and discussion on how to overcome these points in the forthcoming weeks</i> ➤ <i>Iteration of the slides for the 1st Review Meeting</i> 	AIGUASOL EIG CERTH/CPERI ALUMIL CERTH/ITI
15:45 – 16:15	Coffee Break	
16:15 – 16:45	Work Package 6 <ul style="list-style-type: none"> ➤ <i>Review of deliverables</i> <ul style="list-style-type: none"> ○ <i>D6.1.1 [a] Dissemination Plans and Promotion</i> ○ <i>D6.1.2 [a] Data Management Plan</i> ○ <i>D6.2.1 Project Website & Social Media</i> ○ <i>D6.2.2 [a] Dissemination Activities Annual Report</i> ➤ <i>Discussion on the work performed so far and next steps</i> ➤ <i>Identification of weak/unaddressed points and discussion on how to overcome these points in the forthcoming weeks</i> ➤ <i>Iteration of the slides for the 1st Review Meeting</i> 	CERTH/ITI
16:45 – 17:30	Work Package 7 and 8 <ul style="list-style-type: none"> ➤ <i>Review of deliverables</i> <ul style="list-style-type: none"> ○ <i>D7.1.1 Project Management</i> ○ <i>D7.1.2 [a] Progress Periodic Management Reports</i> ○ <i>D7.2.1 Quality Assessment Plan</i> ○ <i>D7.2.2 Risk Assessment</i> 	CERTH/ITI



	<ul style="list-style-type: none">○ <i>D7.2.3 Ethical monitoring & Contingency Plans</i>○ <i>D8.1 H - Requirement No. 1</i>➤ <i>Discussion on the work performed so far and next steps</i>➤ <i>Identification of weak/unaddressed points and discussion on how to overcome these points in the forthcoming weeks</i>➤ <i>Iteration of the slides for the 1st Review Meeting</i>	
17:30 – 17:45	Conclusions / Misc. / AOB	CERTH/ITI