



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 3rd Plenary Meeting

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



Meeting Agenda SUMMARY SHEET

Meeting Agenda Details	
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Project Details	
Project Acronym:	Plug-N-Harvest
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Project Number:	768735
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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	16/05/2018	Draft	Structure and inputs by Elias Kosmatopoulos and Christos Ravanis (CERTH)
0.6	30/05/2018	Draft	Inputs by AHC, AIGUASOL, EIG, ETRA and RWTH
0.7	04/06/2018	Draft	Readjusted agenda by Iakovos Michailidis (CERTH) and Rafael Marin-Perez (ODINS)
1.0	04/06/2018	Final	Final version by CERTH

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Plug-N-Harvest: 3rd Plenary Meeting

6-8 June 2018

Agència de l'Habitatge de Catalunya, Barcelona

1 Overview

First Day (6 June 2018): 3rd Plenary Meeting – Pilot Cases and Circular Economy aspects

Second Day (7 June 2018): 3rd Plenary Meeting – Pilot Cases and ADBE design & equipment

Third Day (8 June 2018): Spanish Pilot visit

2 Agenda

6th June 2018 – Agència de l'Habitatge de Catalunya:

P.O.Box 08007, Carrer d'Aragó, 244-248, Barcelona, Spain

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

Time	Agenda Item	Moderator
09:00 – 09:15	Opening – Welcome <ul style="list-style-type: none">➤ <i>Opening by AHC</i>➤ <i>List of attendees</i>➤ <i>Approval of agenda</i>	AHC AIGUASOL CERTH/ITI
09:15 – 09:30	Project Management <ul style="list-style-type: none">➤ <i>Organizational / Administrative Matters</i>	CERTH/ITI
09:30 – 09:45	Dissemination and Communication <ul style="list-style-type: none">➤ <i>Progress and activities since Thessaloniki's 2nd plenary meeting</i>	CERTH/ITI ALL PARTNERS
09:45 – 11:00	WP5 – Circular Economy Business Models <ul style="list-style-type: none">➤ <i>WP5 state of the art (AIGUASOL)</i>➤ <i>Task 5.1. – Materials Database and CE Design Guidelines (EIG)</i>➤ <i>Task 5.2. – CE evaluation methodologies (AIGUASOL)</i>	AIGUASOL EIG
11:00 – 11:30	Coffee Break	
11:30 – 12:00	WP5 Activities (Circular Economy, LCC, Business Models, Exploitation Strategy) <ul style="list-style-type: none">➤ <i>Workshop Introduction</i>	AIGUASOL EIG



12:00 – 12:30	WP5 Activities (Circular Economy, LCC, Business Models, Exploitation Strategy) ➤ <i>Matrix of Partners – Potential Exploitable solutions and BM</i>	AIGUASOL ALL PARTNERS
12:30 – 13:30	WP5 Activities (Circular Economy, LCC, Business Models, Exploitation Strategy) ➤ <i>Canvas of exploitable solutions (ADBE, IMCS/OEMS, Consultancy Services)</i>	AIGUASOL ALL PARTNERS
13:30 – 15:00	Light Lunch Break	
15:00 – 15:15	WP5 Activities (Circular Economy, LCC, Business Models, Exploitation Strategy) ➤ <i>Canvas return</i>	AIGUASOL EIG
15:15 – 16:00	WP5 Activities (Circular Economy, LCC, Business Models, Exploitation Strategy) ➤ <i>KUMU of CESCO Model</i>	AIGUASOL EIG ALL PARTNERS
16:00 – 16:45	WP5 Activities (Circular Economy, LCC, Business Models, Exploitation Strategy) ➤ <i>KUMU return</i>	AIGUASOL EIG
16:45 – 17:00	WP5 Activities (Circular Economy, LCC, Business Models, Exploitation Strategy) ➤ <i>Workshop summary and closure</i>	AIGUASOL ALL PARTNERS
17:00 – 17:45	WP1 - End Users, Business & Construction Requirements ➤ <i>WP1 state of the art (AIGUASOL) (5')</i> ➤ <i>Task 1.1. – End-User and Business Requirements – AIGUASOL (10')</i> ➤ <i>Task 1.2. – Use Cases, Test Scenarios and Evaluation Plans – CU (15')</i> ➤ <i>Task 1.3. – Building types and Construction Requirements – CU (15')</i>	AIGUASOL CU
17:45 – 18:15	Conclusions / Misc. / AOB	CERTH/ITI
21:00	Common Social Dinner	



7th June 2018 – Agència de l'Habitatge de Catalunya:
 P.O.Box 08007, Carrer d'Aragó, 244-248, Barcelona, Spain
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Time	Agenda Item	Moderator
09:00 – 09:15	Opening – Welcome <ul style="list-style-type: none"> ➤ <i>List of attendees</i> ➤ <i>Approval of agenda</i> ➤ <i>Group photo</i> 	CERTH/ITI
09:15 – 10:45	The PLUG-N-HARVEST ADBE Design <ul style="list-style-type: none"> ➤ <i>Analysis of Structures</i> ➤ <i>Components in the ADBE System</i> ➤ <i>U-Values and Condensation</i> ➤ <i>Choice of Components</i> ➤ <i>Windows / Sun Protection</i> ➤ <i>Modular Kit</i> 	RWTH
10:45 – 11:15	The PLUG-N-HARVEST ADBE Design <ul style="list-style-type: none"> ➤ <i>Discussion with pilots/consortium</i> 	RWTH
11:15 – 11:45	Coffee Break	
11:45 – 12:00	The PLUG-N-HARVEST ADBE Design <ul style="list-style-type: none"> ➤ <i>The Greek Pilot case</i> ➤ <i>Brainstorming on potential design solutions (ALUMIL, RWTH, RWM)</i> 	ALUMIL RWTH RWM
12:00 – 12:15	The PLUG-N-HARVEST ADBE Design <ul style="list-style-type: none"> ➤ <i>The Welsh Pilot case</i> ➤ <i>Brainstorming on potential design solutions (ALUMIL, RWTH, CCC, CU)</i> 	ALUMIL RWTH CCC CU
12:15 – 12:30	The PLUG-N-HARVEST ADBE Design <ul style="list-style-type: none"> ➤ <i>The Spanish Pilot case</i> ➤ <i>Brainstorming on potential design solutions (ALUMIL, RWTH, AHC)</i> 	ALUMIL RWTH AHC
12:30 – 13:30	The PLUG-N-HARVEST Control & Management System <ul style="list-style-type: none"> ➤ <i>Necessary control and monitoring equipment per pilot</i> ➤ <i>Alternative deployment strategies</i> ➤ <i>Level of support / Responsibilities</i> 	CERTH/ITI ETRA ODINS
13:30 – 14:00	Equipment per pilot (Tenders/leasing solutions) <ul style="list-style-type: none"> ➤ <i>Sensors and actuators</i> ➤ <i>Ventilation Units</i> ➤ <i>Batteries</i> ➤ <i>Photovoltaics</i> 	CERTH/ITI ODINS SIEMENS RWTH ETL



14:00 – 15:00	Light Lunch Break	
15:00 – 15:25	Plans for implementation: The Greek Pilot site <ul style="list-style-type: none"> ➤ <i>Tenders</i> ➤ <i>Installation of sensors and equipment</i> ➤ <i>Installation of ADBE</i> ➤ <i>Pre-tests and Depreciation</i> ➤ <i>Brainstorming on potential solutions (ALUMIL, RWTH, EIG, ETL, CU, CERTH/CPERI)</i> 	RWM
15:25 – 15:50	Plans for implementation: Pre-Pilot and German Pilot site further processing <ul style="list-style-type: none"> ➤ <i>Open Research Questions and Tasks for the Modular Toolbox</i> ➤ <i>Progress in Simulation (CFD and Modelica)</i> ➤ <i>German Pilot Baseline</i> ➤ <i>Time Schedule WP 2</i> ➤ <i>Tenders</i> ➤ <i>Installation of sensors and equipment</i> ➤ <i>Installation of ADBE</i> ➤ <i>Pre-test and Depreciation</i> ➤ <i>Brainstorming on potential solutions (ALUMIL, RWTH, EIG, ETL, CU, CERTH/CPERI)</i> 	RWTH CERTH/CPERI
15:50 – 16:15	Plans for implementation: The Welsh Pilot site <ul style="list-style-type: none"> ➤ <i>Tenders</i> ➤ <i>Installation of sensors and equipment</i> ➤ <i>Installation of ADBE</i> ➤ <i>Pre-test and Depreciation</i> ➤ <i>Brainstorming on potential solutions (ALUMIL, RWTH, EIG, ETL, CU, CERTH/CPERI)</i> 	CCC CU
16:15 – 16:40	Plans for implementation: The Spanish Pilot site <ul style="list-style-type: none"> ➤ <i>Tenders</i> ➤ <i>Installation of sensors and equipment</i> ➤ <i>Installation of ADBE</i> ➤ <i>Pre-test and Depreciation</i> ➤ <i>Brainstorming on potential solutions (ALUMIL, RWTH, EIG, ETL, CU, CERTH/CPERI)</i> 	AHC
16:40 – 17:00	Misc. / AOB	CERTH/ITI



8th June 2018 – Agència de l'Habitatge de Catalunya:
Ronda d'Arraona, 30, Sant Quirze del Vallès, Barcelona, Spain
[Check the map for the exact location!](#)

Time	Agenda Item	Moderator
09:00	➤ <i>Visit start (we will meet in the Pilot site location)</i>	
09:00 – 11:00	Pilot visit	AHC
11:00	➤ <i>Shift from the pilot site location to EIG's office in Sant Cugat del Vallès (all together)</i>	
11:30 – 13:00	Discussion/workshop of the Pilot site visit	AHC