

A2PBEER – Train the Trainer Workshop

12-13 September 2016

Bilbao

Venue:

TECNALIA headquarters,
Parque Tecnológico de Bizkaia.

C/Geldo Building 700.

Derio - Spain



Day 1 – Monday, 12 September 2016

Time	Topic	Who
	Welcome the participants	ALL
9.00 – 9.30	RECEPTION - Introductions and Housekeeping	LIT Lis O'Brien
UNIT 1	Setting the Scene – Project and Demo Building Retrofit	
9.30 – 10.00	Programme Overview	LIT Lis O'Brien
UNIT 2	Retrofit technologies design and installation	
10.00 – 10.10	Introduction to Technologies	TECNALIA
10.10 – 10.30	<i>External insulated façade</i>	TECNALIA Eneritz Barreiro
10.30 - 10.50	<i>Internal insulated facade</i>	ISOLEIKA Andrew Ferdinand
10.50 – 11.10	<i>Smart window</i>	BERGAMO Malwina Adamek
11.10 – 11.30	COFFEE BREAK	
11.30 – 11.50	<i>Smart lighting</i>	PARANS/TOSHIBA TBC
11.50 – 12.10	<i>New cooling and heating collector</i>	CLIMATEWELL Franchesca Salcedo
12.10 -12.30	<i>Smart dual thermal network</i>	TECNALIA Victor Sánchez
12.30 – 13.30	Visit to the Kubik Building	TECNALIA
13.30 – 14.30	LUNCH BREAK	ALL
14.30 - 15.30	Monitoring and data analysis of the Spanish Demo building - Leioa University	UPV/EHU Aitor Erkoreka
15.30 – 15.50	COFFEE BREAK	
15.50 – 17.10	Visit to the Spanish demo Building	ACCIONA AND UPV-EHU Aitor Erkoreka
	Walk around the designated area	
17.10 - 17.30	Recap on Day 1 and Outline of Day 2	TECNALIA and LIT

Day 2 – Tuesday, 13 September 2016

Time	Topic	Who
9.00	RECEPTION	
UNIT 3	Case Studies	
9.00 – 9.20	Case Study 1. Spanish real demo case	UPV-EHU Jon Teres or Xabier Aparicio
9.20 – 9.50	Case Study 2. Malmö real demo case	MALMÖ Dan Persson
9.50 – 10.10	Case Study 3. Implementation of absorption system in Turkish demo site	CLIMATEWELL Franchesca Salcedo
10.10 – 10.30	Case Study 4. Croatian virtual demo case (cultural heritage)	HEP-ESCO Rajko Roginic
10.30 – 10.50	COFFEE BREAK	ALL
UNIT 4	Outline and use of the Support Guide Toolkit	ALL
10.50 – 11.10	Outline importance of understanding best practice retrofitting	ABUD Ida Kiss
11.10 – 12.10	Presentation and workshop on the use of the toolkit	
12.10 – 12.20	Short COFFEE BREAK	ALL
UNIT 5	Overview and use of Financial Tool	
12.20 – 12.40	Overview and demonstration of the tool	DAPPOLONIA Gianni Loriga
12.40 – 14.00	Paired work – practical example	
14.00 – 15.00	LUNCH BREAK	ALL
UNIT 6	Pedagogical Approaches and teachings	
15.00 – 16.00	Principles of teaching and learning for adults	LIT Lis O'Brien
16.00 – 16.40	How to train and exploit training	
16.40 – 17.00	Review of programme and Q&A	LIT and ALL

Day 1 is to be used to set the scene:

- Explain the technologies used in the project, design prototype, benefits of and how to install to best practice. It is intended to video the technology presentations to download on Moodle.
- Visit to Kubik test facility centre to view the technologies in-situ.
- Presentation of the monitoring strategy and data analysis of the Spanish demonstration site, followed by a visit to the demo site.

Day 2 is how to retrofit to best practice, replicate to other buildings etc.

- Go through case studies. – all preparatory information completed before using the toolkit and financing tool
- Know how to use the A2pbeer Support Guide Toolkit and make decisions for optimum energy savings and comfort.
- How to use a financial tool to make the correct judgement financially and understand pay back.
- Pedagogical learnings and how to show others how to use the tools and retrofit to best practice