This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 785041

4 Best practice examples per cross-sectoral technology and presentation about best practices in each cross-sectoral technology

Deliverable no: D2.5
Work package no: WP 2
Work package title: Capacity Building for Energy Efficiency
WP leader: Austrian Energy Agency
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Dissemination level: PU

IMPAWATT

IMPlementAtion Work and Actions To change the energy culTure

Grant Agreement number:
785041-IMPAWATT – H2020-EE-2016-2017/H2020-EE-2017-CSA-PPI
Start date: 01.06.2018
Duration: 30 months

Document History

Date	Version	Prepared by	Approved by	Notes
16.07.2019	1	AEA	PLA	
Add date		Choose sname		
Add date		Choose sname		

Contents

1 Executive summary

Within Task 2.3 “Best practice examples corresponding to Deliverable 2.5 “several best practice examples per cross-sectoral technology (at least 36) were developed.

For the following 14 systems /topics best cases were created in English and then translated in the different languages (comment: not all best practices will be translated in all languages):

- Energy management
- Pumps
- Compressed Air
- Fans, HVAC
- Cooling systems
- Office
- Heating of buildings & envelop
- Lighting systems
- Industrial heating
- Steam
- Waste heat recovery, heat pumps
- Insulation of pipes, heat distribution
- Mobility
- Renewables

2 Introduction

Within Task 2.3 “Best practice examples” the target was to collect at least 4 best practice examples for each cross-sectoral technology (corresponding to the technologies defined earlier, see D 2.2). This would have corresponded to the second target to collect at least 36 best practice examples, as originally nine technologies were planned.

At the end, 14 technologies were defined. Furthermore, for several best cases had to be approved by the companies. At the end around 37 best cases for different technologies were prepared. See list below.

The training presentations prepared in Task 2.2 (D2.4) included best practice examples.

2.1 Purpose of this document

This document describes the activities and results of Task 2.3 “Best practice examples corresponding to Deliverable 2.5 “4 best practice examples per cross-sectoral technology (at least 36) and presentation about best practices in each cross-sectoral technology”.

2.2 Relation to other activities in the project

Within Task 2.2 several other deliverables were produced, especially D 2.2 “Set of about 70 energy efficiency measures of cross-sectoral technologies”, D 2.3 “Supportive tools, exams and M&V plans for cross-sectoral technologies” and D 2.4 “Training presentation” are closely related to this task.

2.3 Partners´ contribution

For each technology partners were defined to prepare the presentation and to check the quality of the presentation. The table below lists the partners´ contribution. AEA coordinated the whole deliverable/task.

Topic	Number of Best Cases	Partner responsible for creation of best case	Partner responsible for quality control and comments
Energy Management	1 (2)	CCI	AEA
Pumps	4	PLA	AEA
Compressed Air	3 1	AEA CCI	 PLA
Fans, HVAC	3	AEA	PLA
Cooling Systems	4	AEA	PLA
Office	1 1	AEA SEN	 CCI
Heating of Buildings & Envelope	3	VTT/ENV	ENV/VTT
Lighting Systems	1	PLA	CCI
Industrial heating	1	CCI	AEA
Steam	4	AEA	PLA
Waste Heat Recovery, Heat Pumps	1 2	AEA PLA	 AEA
Insulation of Pipes, Heat Distribution	2	AEA	PLA
Mobility	1 2	AEA PLA CCI	 AEA
Renewables	2	ENV	PLA
Sum	37 (38)		

(for one company, approval is pending)

3 Results

AEA prepared a template for best cases including all the information mentioned in the contract (picture, description before and after the measure), information on impact of the measure (kWh, EUR, CO2) and financial information (investment costs, payback time).

For the following 14 systems /topics best cases were created in English and then translated in the different languages (comment: not all best practices will be translated in all languages):

- Energy management
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- Industrial heating
- Steam
- Waste heat recovery, heat pumps
- Insulation of pipes, heat distribution
- Mobility
- Renewables

As mentioned above, only for a few technologies 4 best cases were prepared but, as 14 instead of 9 technologies were covered within IMPAWATT WP2 around 37 best cases were developed.

Not for all best cases all information was available: e.g. pictures of the company were included instead of the system, as the relevant pictures were not available or not allowed to be published, or the company did not publish the investment costs.

4 Conclusions

The preparation of the best cases took longer than expected. For the AEA cases approval of all companies was acquired. Around half of the best cases were finished by end of May 2019 and were reviewed during June 2019. During June and July the rest of the best cases were prepared and reviewed. Translation started in July 2019 but will continue in August 2019.

All best cases in English were uploaded on the Planair IMPAWATT cloud in June and July and (if available before July 15 th) were uploaded on the IMPAWATT platform by SEN. The rest of the best cases will be uploaded in August 2019.

Within the next weeks the documents can be found on the different IMPAWATT platforms: fr.impawatt.com, eu.impawatt.com, ch.impawatt.com, de.impawatt.com, at.impawatt.com, it.impawatt.com