



HEAT PUMPS SKILLS FOR NZEB CONSTRUCTION (HP4ALL)

Communication and dissemination plan (update M27)

Lead Contractor: Sustainable Innovations (SIE)
**Author(s): Mariana Fernández – Communications
Manager**

Date: November 30, 2022

This document is the HP4ALL Communication and dissemination plan led by SIE.

Project details			
Project acronym	HP4All	Start / Duration	September, 1 2020 (30)
Contact persons	Padraic Oreilly (padraic.oreilly@tus.ie) Project coordinator Mariana Fernández (marianafernandez@sustainableinnovations.eu). Communications Manager		
Website	www.HP4All.eu		

Report Contributors				
	Name	Organisation	Role / Title	E-mail
Report leader	Mariana Fernández	SIE	Communications Manager	marianafernandez@sustainableinnovations.eu
Contributing Author(s)	Denisse Martínez	SIE	Marketing Manager	denissemartinez@sustainableinnovations.eu
	Jesús Serrano	SIE	Deputy General Manager	jesusserrano@sustainableinnovations.eu
	Miguel Gallardo	SIE	Head of R&D	miguelgallardo@sustainableinnovations.eu
Final review and quality approval	Padraic Oreilly		Project coordinator	padraic.oreilly@tus.ie

Document History			
Date	Version	Name	Changes
April 28, 2021	V0.1	Mariana Fernández	First version of the document
May 4, 2021	V0.2	Denisse Martínez	Second version of the document
May 5, 2021	V0.3	Jesús Serrano	Third version of the document



May 6, 2021	V0.4	Donato Viggiano	Fourth version of the document
May 7, 2021	V1.0	Mariana Fernández	Implement changes and consolidate documents to send the consortium
February 14, 2022	V1.1	Mariana Fernández	Update document with activities M10-18
November 3, 2022	V1.2	Mariana Fernández	Update document with activities M19-M27





Contents

1	EXECUTIVE SUMMARY	6
2	INTRODUCTION	6
3	OBJECTIVES	6
4	TARGET AUDIENCES	7
5	KEY MESSAGES	8
6	TOOLS AND CHANNELS.....	10
7	INDICATORS AND TARGETS	22
8	LEVELS OF DISSEMINATION	23
9	METHODOLOGY	24
10	TIMELINE	25
11	ACTIONS M1-M2.....	26
12	ACTIONS M2-M9.....	28
13	DISSEMINATION M2-M9	40
14	ACTIONS M10-M18.....	43
15	DISSEMINATION M10-M18	55
16	ACTIONS M19-M27.....	58
17	DISSEMINATION M19-M27	74





18	ANNEX 1: IMPACT ON MEDIA OUTLETS AND OTHER RELEVANT WEBSITES M1-M9	75
19	ANNEX 2: DISSEMINATION TABLES M1-M9.....	80
20	ANNEX 3: IMPACT ON MEDIA OUTLETS AND OTHER RELEVANT WEBSITES M10-M18..	81
21	ANNEX 4: DISSEMINATION TABLES M10-M18.....	83
22	ANNEX 5: IMPACT ON MEDIA OUTLETS AND OTHER RELEVANT WEBSITES M19-M27 ..	84
23	ANNEX 6: DISSEMINATION TABLES M19-M27	85





1 Executive summary

HP4ALL aims to bring together leading experts across Europe to enable capacity and skills development within the Heat Pump sector and to ensure that the energy efficiency gains afforded by heat pumps are realised. HP4ALL, following a holistic, systemic point of view, will work both with the supply side (manufacturers, SMEs, installers etc) and demand side (building owners, public sector etc.). This way, the project will enhance, develop and promote the skills required for high quality, optimised Heat Pump (HP) installations within residential/non-residential buildings bringing Europe to the forefront of the climatization sector.

This document describes the Communication and Dissemination Plan to be adopted by the HP4ALL project, whose main objective is to ensure that the project's outcomes (concepts, scientific results, models and simulation tools, validated work, problem awareness) are consequently disseminated to appropriate target communities.

The project has received funding from the European Union's Horizon 2020 programme, grant agreement no. 891775.

2 Introduction

This document is the HP4ALL (contract no.891775) Communication and dissemination plan corresponding to D7.1 (M2) led by SIE.

2.1 CONTEXT OF WP7

The objectives of WP7 are:

- To enable future exploitation of the results to their full potential by disseminating and communicating them to the relevant stakeholders through the drivers' identification which affects demand and acceptance of HPs within the Construction and HP Value Chain
- To ensure that the findings of the programme are widely communicated to end users/clients to demand high-quality solutions delivered by a skilled workforce
- To support the market uptake of research and innovation results.
- To prepare the corporate image and a set of materials for the promotion and comprehensive dissemination of HP4ALL Service and its outcomes.

3 Objectives

The main objective of HP4ALL's dissemination strategy is to ensure that the project's outcomes (concepts, scientific results, methodologies, validated work, problem awareness) are consequently disseminated to appropriate target communities. It is anticipated that contributors to HP4ALL development, evaluation, market uptake and exploitation are clearly identified and motivated to proactively participate.

HP4ALL will follow a multi-step and multi-channel approach to the dissemination strategy in order to reach and engage different stakeholders and target groups with adjusted information for needs and interests. Awareness will be raised among all possible project beneficiaries. In Task 7.1 - dissemination and communication plan, the consortium will update the plan initially





outlined below, ensuring that the project generates the aforementioned awareness among stakeholders and meets the indicated impacts.

The dissemination plan's objectives are:

- Revolve around leveraging the demand of energy skills in the building sector for HPs
- Demonstrate at workshops and pilots the lessons learnt on the project and the capabilities of the technologies to the target stakeholders for exposure and capitalise on interest
- Show the societal impact, project outcome impacts on services, employment and economy
- Strengthen internal communication within value chain stakeholders.
- Conduct an intense communication and dissemination campaign

4 Target audiences

Table 4.1: Target group / results

Target group / Stakeholder	Targeted results
Scientific Community	<ul style="list-style-type: none">• Monitoring of Heat Pumps (HP) performance is vital and lower the overall environmental impact of HPs a major research opportunity.• Theory and research can turn into practical skills along the value chain
General Public	<ul style="list-style-type: none">• HPs can be trusted and there is a growing market of technologies, installers, and services industry with the right skills.• HPs can provide all heating / cooling & hot water needs if designed and installed correctly; it's easy to know if your HP is working correctly; installer / supplier can be trusted to advise correctly
HP Manufacturers	<ul style="list-style-type: none">• Quality is key and systems must be responsive to new innovations.• User friendly interfaces and controls are a must.• Trained installers can help further brand image and Renewable Energy Sources (RES) adoption.
HP Designers	<ul style="list-style-type: none">• Design to high specifications and ensure Operation and Maintenance (O&M) considerations are considered.• Easy to install and maintain HP should be considered at the design stage
Service Industry	<ul style="list-style-type: none">• Performance of HPs depends on regular service and maintenance – a new area of business
HP engineers	<ul style="list-style-type: none">• Innovation emerging which need to be considered to future proof plans.



	<ul style="list-style-type: none">• HPs need to be commissioned correctly.
HP Installers	<ul style="list-style-type: none">• Standards and customer satisfaction are critical.• HPs are not a plug and play solution but require engagement across multiple crafts and professions.• HPs are different to boilers.• HPs users need guidance on how to correctly use the systems• HPs need to be commissioned correctly
Policymakers	<ul style="list-style-type: none">• HPs are a proven technology but require market supports to ensure the transition from fossil fuels is achieved.• Policy needs to support upskilling of the HP sector if electrification of heat is going to happen & meet carbon reduction targets.• Public need to be persuaded of benefits of HP.

Several key stakeholders have been already detected by consortium partners, such as: ERRIN (The European Regions Research & Innovation Network), SPIRE, RHC Renewable Heating & Cooling - European Technology Platform, European Heat Pumps Association (EHPA); and Institute for Energy Diversification and Saving (idea), among many others that are further specified in the stakeholders list available on the project's SharePoint.

Several trade media have already been identified as well in that list: Renewable Energy Magazine, Energy Efficiency, Greentech Media, Alterenergy Mag, Energy International, Futureenergy, H2 view, Horizon Magazine, among others.

Likewise, similar European and international projects and initiatives have been identified to search for synergies: Renewable Heating and Cooling (RHC) platform, EHPA's Research and Innovation (R&I) committee, EHPA's Education committee (EduCom); Erasmus+; All.Construction Blueprint BIMzeED and Detecta, EASME ManagEnergy, H2020 Trainto-nZEB, Fit-to-nZEB, Prof-Trac, HP4ALL, NEWCOM, TripleA-reno, NET-UBIEP, IBROAD, RAFTEDU, EEMap, Turnkey Retrofit, BUStoB, BIMplement, among others.

5 Key messages

Through 5 technical work packages (+ WP1 Coordination and management + WP7 Communication, Dissemination, and exploitation), HP4ALL will generate a significant volume of information with interest to different stakeholders in the Heat Pumps and Buildings value chains, as well as others.

Therefore, it is necessary to identify what outputs and messages can be provided from the activities developed throughout the various WPs. The key messages to be disseminated can be supported by different tools/channels (see below), including printed materials, online platforms, publications, events, and others. Table 5.1 identifies the most relevant project outputs (key messages) for each WP. Also identified is the main (but not limited to) target group(s) and tool to communicate the identified messages. The consortium will also



disseminate other messages, such as the general objectives of the project and the participation of the partnership at events in which the project should be presented.

Table 5.1: Key messages

WP	Key message	Target group	Channel
WP2. Barriers analysis across the value chain segments	<ul style="list-style-type: none"> • Evaluation of the main factors influencing the effectiveness of the measures; strength and weaknesses. • To define the main attitudes and opinion through the creation of a network of the European HP main actors. • End user Acceptance – Motivations and drivers 	All stakeholders across the value chain	Printed materials, online, publications, events
WP3. Heat Pump Skill Building Network for System Designers and Installers	<ul style="list-style-type: none"> • Needs for the increment of the HP demand. • Certification approaches for system designer and HP installers. • Legislation framework and commissioning construction. 	Manufacturers, designers, installers, policymakers and service industry	Printed materials, online, publications, events
WP4. End user – Facility owner resource tool	<ul style="list-style-type: none"> • Facility owner resource tool to facilitate know-how of the end users. • Financial, technical, environmental, and social assessments. 	End Users	Printed materials, online, publications, events
WP5. Implementation and validation of overcome barriers	<ul style="list-style-type: none"> • Real success cases to replicate across EU. • Specific results to replicate at Regional, National and EU level. 	All stakeholders across the value chain	Printed materials, online, publications, events



WP6. Replication at the EU level through the training of experts and future trainers on project guidelines	<ul style="list-style-type: none"> • Roadmap and guidelines development. • Engagement and recruitment of potential experts and trainers • Capacity Building in the medium-long term at Regional, National and EU level 	All stakeholders across the value chain	Printed materials, online, publications, events
---	---	---	---

6 Tools and channels

Different tools and channels will be used to disseminate and communicate the activities carried out by HP4ALL and its results. Each tool and channel will be used appropriately to address different target groups at different stages of the proposal implementation, thereby increasing the efficiency of the Dissemination Plan. The relationship between the tools and channels, and the expected impacts are presented in Table 6.1.

Table 6.1: Tools & channels

Channels	Tools	Expected impacts
Printed materials	Brochure Poster Leaflet Roll up	Raise awareness on the HP capabilities, skills, societal, environmental and employment impact.
Online	Website Social media Newsletters	Raise awareness on the HP capabilities, skills, societal, environmental and employment impact.
Publications	Scientific papers Articles Press releases	Dissemination of results. Demonstration of technology. Expand the knowledge gained through the project.
Events (organised by HP4ALL)	Workshops Webinars	Raise awareness on the HP capabilities, skills, societal, environmental and employment impact.
Events (attended by HP4ALL)	Conferences Tradeshows	Raise awareness on the HP capabilities, skills, societal, environmental and employment impact. Dissemination of results. Demonstration of technology.



Several dissemination tools and channels will be used, including a project website, articles targeted at both a lay and a technical audience, press-releases, e-newsletters, scientific papers and leaflets, social media presence, and participation in workshops/conferences.

Any dissemination activities and publications in the project, including the project website, will specify that the project has received funding from the European Union's Horizon 2020 programme, as well as displaying the European emblem. When displayed in association with a logo, the European emblem will be given appropriate prominence. All publications will reference the grant agreement number.

The communication activities within the project are both periodic (management group meetings, newsletters, project group meetings and reporting to commission) and online (SharePoint established by the coordination).

Communication activities to stakeholders outside the project group are based on the dissemination plan presented in section 2.2.1 of the Grant Agreement. The journal articles are primarily intended to communicate the recent findings to the scientific and academic communities. However, the project will also publish in trade journals and magazines important to the industry to disseminate new relevant solutions to other possible end users. Project presentations at technical conferences are intended to reach the same audience.

6.1 Project identity

A recognisable project identity was developed to build a visual brand and ultimately offer a package of templates that will facilitate the building of notoriety progressively through the project. This includes creating a project logo and an accompanying style guide. These will be consistently used for the project website and all other communication templates, such as PowerPoint, Word, posters, and EC Reports.





Image 6.1: Brand guidelines



Brand Guidelines

Color palette

#FFFFFF R 255 G 255 B 255	#212c58 C 100 R 39 M 90 G 44 Y 36 B 86	#277de4 C 71 R 39 M 11 G 173 Y 0 B 226	#f7b948 C 2 R 238 M 55 G 137 Y 76 B 70	#e67330 C 0 R 229 M 95 G 35 Y 91 B 32	#ffcc00 C 0 R 255 M 28 G 192 Y 93 B 0
------------------------------------	---	---	---	--	--

Text/background/icon

#e6e6e6 R 239 G 239 B 239	#666666 C 58 R 102 M 45 G 102 Y 45 B 102
------------------------------------	---

Background/graphic elements

Font setting print & desktop presentation

Title Regular 26pt

ARIAL



ABCDEFGHI

Title 1 Bold 22pt

Arial



Abcdefghi

Title 2 Regular 18pt

Arial



Abcdefghi

Title 3 Regular 13pt

Arial



Abcdefghi

Text Regular 11pt

Arial



Abcdefghi

Font setting web (Google font)

Title H1 Regular MAJ 30pt

ARIMO



ABCDEFGHI

Title H2 Bold 26pt

Arimo



Abcdefghi

Title H3 Regular 20pt

Arimo



Abcdefghi

Title H4 Regular 15pt

Arimo



Abcdefghi

Text Regular 14pt

Arimo



Abcdefghi

Logo style



6.2 Project website

HP4ALL has been given an up-to-date and user-friendly project website (<https://HP4All.eu/>). It will be the primary source of information for external parties, providing updates on project activities and achievements to all target audiences. The aim of the website is to inform the scientific community and associated industries about project developments, but also to present the project's achievements and novel pilot lines to the public.

All partners will contribute to the website by providing relevant project information in accessible language (laymen terms). All communication efforts by project partners and social media will always be redirected to the HP4ALL website. Traffic to the website will be increased by creating mutual links between the partners' websites and other relevant websites.

The project website will contain:

- Latest news about the project progress and results
- Details about the project partners
- Electronic materials (newsletter, infographics, articles)
- Events and contact information
- Social media links
- At least two videos (embedded from Youtube). The first one will explain the main objectives and scope of the project. The last one will serve as training material for stakeholders and will be produced by the end of the project.
- Knowledge hub developed in WP4
- Link to the benchmarking tool also developed in WP4

The project website is set-up by SIE and will be managed, maintained and hosted for the duration of the project and for a further 2 years after the completion of the project. Statistical data will be collected about the website visitors that subsequently will be analysed by Google Analytics software and included in the project reports. The website will be responsive to work on a variety of devices and screen sizes, such as smartphones.

6.3 Content management

For internal dissemination purposes, consortium partners will have access to a password-protected site (SharePoint established by the coordination, LIT) which will contain the proposal, consortium agreement, grant agreement, budget, deliverables, periodic reports, meeting and workshop reports and other relevant documents. Regular updates on the progress of the project will allow both internal monitoring of the project as well as rapid dissemination of the achievements.

6.4 Social media

The project will have a social media presence on **Twitter** (<https://twitter.com/heatpumps4all>) and **LinkedIn** (<https://www.linkedin.com/company/HP4All>) to ensure wider dissemination to



different age groups and target audiences. Social media should be used as a tool to announce project developments, but most importantly drive traffic to the project website.

Twitter and LinkedIn accounts have been established and content related to HP4ALL will be posted regularly beginning M1 to increase outreach. A ResearchGate community may be considered to liaise with the HP4ALL stakeholder and scientific communities respectively, to sustain interest in the project. This account would be set up once scientific papers are published and after partner agreement. When the project has video material, it will be embedded on the website using YouTube.

For the first year of the project, the social media accounts will share posts from other accounts or post on events where HP4ALL is to be presented to build a community of interest, creating an audience for when HP4ALL has project results to share. Social media posts will also be posted by SIE (<https://twitter.com/SustainableInnE>) that shares information on the latest developments on project news. It would be also good for partners to share this content on their company network.

Table 6.2: Milestones subject to be communicated

Milestone number	Milestone title	WP number	Lead beneficiary	Due date	Means of verification
1	Kick Off Meeting	1	Limerick Institute of Technology (LIT)	1	Kick Off Meeting
3	Dissemination plan updates	7	SIE	6	Updates every 6 months
5	Final HP Benchmarking Tool after Piloting	4	International Energy Research Centre (IERC)	28	Final version of Benchmarking tool
6	Focus groups complete in 3 pilot regions	2	IERC	6	Event attendance sheets
8	HP survey	2	IERC	4	List of HP experts to survey
12	Face-to-face Interviews in each country	2	IERC	6	Face-to-face Interviews in each country
13	Design of Training Providers Survey	3	European Heat Pump Association (EHPA)	4	Design of Training Providers Survey. Catalogue of questions for Surveys/ Interviews



14	HP Skills and Competency Framework Draft	3	LIT	12	HP Skills and Competency Framework Draft
15	Tools and Resources e.g. interview questions, online surveys to be used with end users	4	LIT	2	Online interview catalogue of questions
17	Questionnaire/interviews to address the impacts on the various aspects of the Value Chain	5	Energiesparverband Österreich (ESV)	18	Questionnaire/interviews to address the impacts on the various aspects of the Value Chain.
18	Train the Trainer workshop	6	Technological Corporation of Andalusia (CTA)	26	Train the Trainer workshop,
19	Policymakers workshop	6	SIE	28	Policymakers workshop
20	Final Conference	7	SIE	30	Final Conference report
21	HP Benchmarking Tool for Piloting	4	IERC	12	Pilot version available for testing
22	Awareness Plan Drafted	4	CTA	12	Awareness Plan available
23	Monitoring & Evaluation Plan Available	5	LIT	15	Draft Plan Available
24	Replication Plan Webinars	6	CTA	8	Webinar Attendance/ Recordings Repeated in Month 18 and 24
25	Observer Country Workshops	6	CTA	28	Workshop Attendance by Observer groups

6.5 Printed material

A project **poster**, a **roll-up** and a **brochure** have been developed for distribution to partner networks and at conferences, exhibitions and other events. The first project poster and



brochure version contain general information about the research activities, participants, and expected results. Additional poster and brochure will be prepared later in the project, to disseminate the results. Both will be written in accessible language to reach the widest possible audience.

Other printed materials, such as USB and banners will be produced, in accordance with the project's style guide, to present the project at various events.



Image 6.5 /6.6 /6.7 / 6.8: Brochure, Poster, Factsheet. Roll up (English version)



FOLLOW US

 [hp4all](#)

 [heatpumps4all](#)

www.hp4all.eu







Horizon 2020
European Union Funding
for Research & Innovation

This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 891775



HP4ALL will enhance, develop and promote the skills required for high quality, optimised Heat Pump installations within residential/non-residential buildings bringing Europe to the forefront of the climatization sector.

OBJECTIVES

-  Design Heat Pumps competency & excellence skills framework
-  Enable end users/clients to demand high quality solutions
-  Increase the number of skilled worker
-  Replicate the project at national and EU-level

IMPACTS

Primary energy savings
2 GWh/year

Renewables production
1.95 GWh/year

Reduction of
628 tCO₂/year

400
People trained

1
Heat pumps benchmarking tool



ehpa
European Heat Pump Association



CTA



LIT
Lithuanian Institute of Technology



IERC
International Energy Research Centre



RINA



OENERGIESPARVERBAND



Sustainable INNOVATIONS



HP4ALL will enhance, develop and promote the skills required for high quality, optimised Heat Pump installations within residential/non-residential buildings bringing Europe to the forefront of the climatization sector.

OBJECTIVES



Design Heat Pumps competency & excellence skills framework



Increase the number of skilled workers



Enable end users/clients to demand high quality solutions



Replicate the project at national and EU-level



CTA



This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 891775

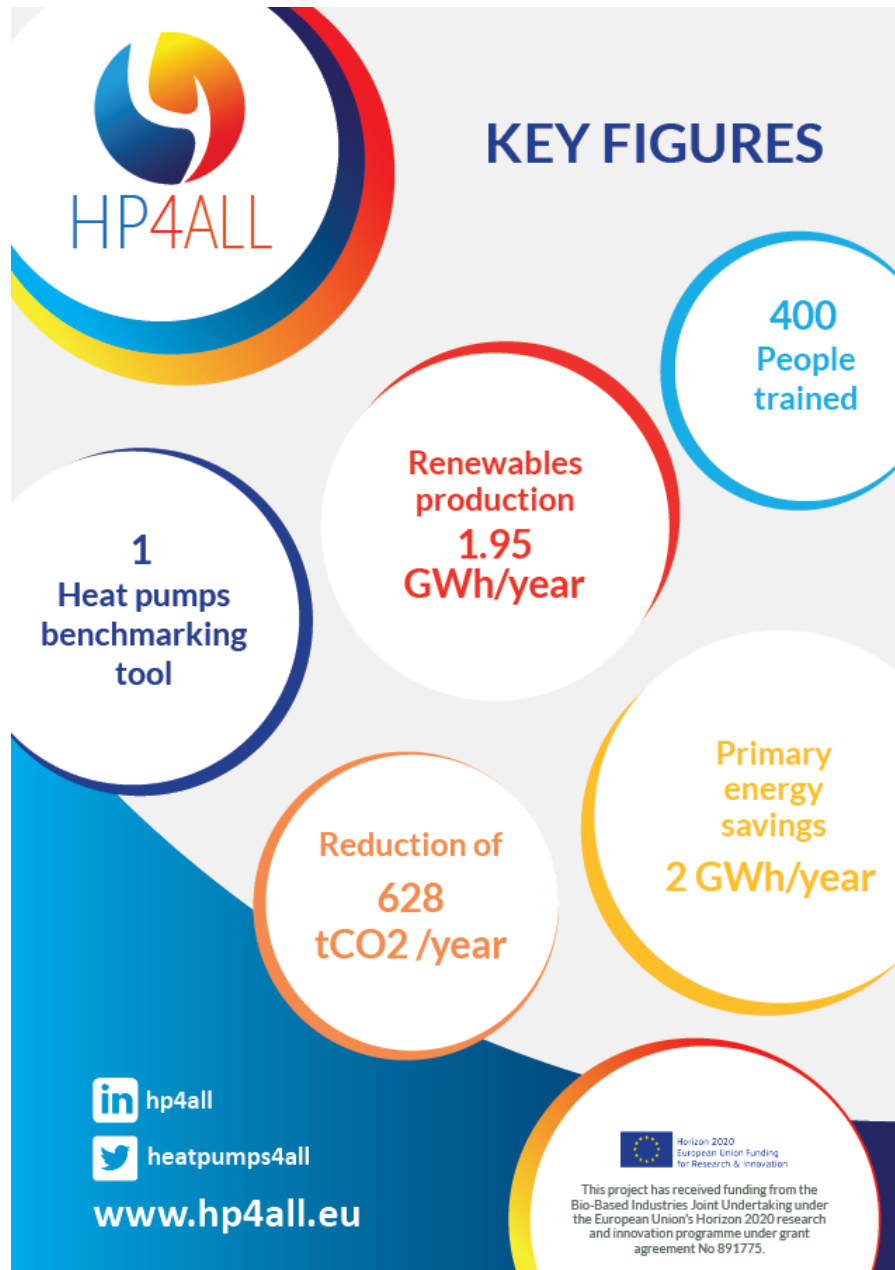
www.hp4all.eu



hp4all



heatpumps4all





HP4ALL

HP4ALL will enhance, develop and promote the skills required for high quality, optimised Heat Pump installations within residential/non-residential buildings bringin Europe to the forefront of the climatization sector.

OBJECTIVES

- Design Heat Pumps competency & excellence skills framework
- Enable end users/clients to demand high quality solutions
- Increase the number of skilled worker
- Replicate the project at national and EU-level

ehpa CTA
LIT IERC RIA
ENERGIEPARVIZIARD Sustainable INNOVATIONS

hp4all
heatpumps4all
www.hp4all.eu

This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 891775.

6.6 Newsletters and press releases

Electronic newsletters will be prepared every 6 months, and will include project updates, announcements, interviews, and other information related to HP4ALL, to be distributed to stakeholders and partner networks and posted on the project website. Moreover, project updates may appear in partners' respective newsletters, which is distributed electronically to their own contacts within their specific industry.





Press releases will be published to announce newsworthy developments during the project. They will be written in English and sent to the European press and national journalists, with the help of the project partners.

6.7 Scientific journals

At least 3 scientific papers, including one paper about the core of the project will be prepared by the technical and academic partners. The project's results will be published in international scientific journals, such as Energy Research and Social Science, Energy and Buildings and Environmental Innovation and Societal Transitions, as well as in relevant scientific literature at national level mainly in the member states where the partners are established.

All publications will be collected within the project website for open access/download.

6.8 Trade magazines

A series of trade magazines have been identified for the project to publish information on the advancements and milestones achieved: Renewable Energy Magazine, Energy Efficiency, Greentech Media, Alterenergy Mag, Energy International, Futureenergy, H2 view, Horizon Magazine, among others.

At least three press releases will be published during the project's execution: one was already launched at the project's kick-off announcing its main goals, another one will be published towards the middle of the project's duration to communicate the advancements, and a final one will be released to share the project's results towards its end. The final conference will be also announced on a press release format.

6.9 Participation at workshops, conferences, and events

Project partners will attend sector related events, conferences, workshops, to meet target groups, other stakeholders, public authorities, and scientific community and to raise awareness about the project objectives and results. These events provide access to target audiences at local, national, European, and international level.

The HP4ALL consortium partners are from different disciplines; therefore, they will disseminate project results to diverse scientific forums.

The industrial sector communities will also be informed of HP4ALL's achievements at international conferences and trade shows. HP4ALL partners will also provide information through posters, presentations at other sessions and distribution of flyers.

Conferences and trade fairs of interest identified for the HP4ALL project are as follows:

- EU Sustainable Energy Week (EUSEW)
- European Heat
- Pump Summit
- EHPA Annual Forum
- Mostra Convegno Expocomfort
- Energy Show (Ireland)
- World Sustainable Energy Days (WSED)
- Sustainable Places Conference



- SUPEHR conference

An updated list will be elaborated every six months in collaboration with partners to guarantee the project's presence on dissemination events.

At the end of the project, a final conference will be organised where the partners will present the project results and perspectives to relevant stakeholders from industry, the scientific community, regulatory bodies and others with an interest in the field. The presentations will analyse and reflect upon the developments of HP4ALL. One industry workshop and two webinars are also contemplated to spread knowledge on the project upbringings.

7 Indicators and targets

The successful implementation of the Dissemination and Communication Plan will be measured by the achievement of specific targets for several different indicators.

Table 7.1: Indicators and targets

Tools / Channel	Indicator	Target number	Information source
Brochure Leaflet	Number of copies distributed	Material distribution: <300 poor; 300-500 good; >500 excellent	Consortium information, number of copies distributed to target groups / stakeholders
Project website	Number of visits	Visits per year: <600 poor; 600 – 1,200 good; >1,200 excellent	Website statistics
Social media (Twitter, LinkedIn)	Number of followers Number of impressions Engagement rate	Twitter ; (a) Followers: < 100 poor; 100 – 200 good; > 200 excellent. (b) Engagement rate: <0.2% poor; 0.2% - 0.9% good; > 0.9% excellent LinkedIn ; (a) Followers: <100 poor; 100 – 200 good; >200 excellent. (b) Engagement rate: <2% poor; 2- 3% good; >3% excellent	Social media analytics
Videos	Number of views Audience in conferences /trade shows	At least 2 in the project. Views: <100 poor; 100 – 200 good; >200 excellent	Youtube, website and social media analytics Attendance to booth /conference



Newsletters	Number of subscribers Number of opens Visits from website / social media	At least one each six months. Subscribers: <100 poor; 100 – 200 good; >300 excellent Opens: <15% poor; 15% – 17% good; >17% excellent	Mailchimp (newsletter service), Website and social media analytics
Press releases	Number of media stakeholders addressed Number of views on website and social media	At least 3. 200 media sources / journalists reached Number of views: < 40 = poor; 40-60 = good; >60 = excellent	Recording of e-mails sent, Website and social media analytics
Scientific publications	Number of views/downloads	3 publications	Link to site where posted or PDF version of article.
HP4ALL workshops	Number of attendees	2 workshops. Number of attendees: <15 = poor; 15-25 = good; >25 = excellent	Registration list
HP4ALL webinars		2 webinar. Number of attendees: <25 = poor; 25-45 = good; >45 = excellent	Registration list /webinar platform analytics
Conferences	Number of conferences and trade fairs attended	Attend to at least 12 conferences	Certificate of participation; Proof of registration; Event information
Trade fairs	Number of exhibitors and participants	Attend to at least 6 trade fairs	

8 Levels of dissemination

Key targets groups operate at different geographic levels, which will influence which communication tools and media will be employed.

8.1 European Level – European Commission (EC)

The EC will be informed about the results via the periodic reporting of the project (mid-term review, minutes of periodical meetings, updates of this document) in order to modify related regulations if necessary and to propose collaboration with other ongoing projects on dissemination activities.

8.2 International level – Industry, Scientific community

The relevant international organisations will be informed of the results. Scientific knowledge can be translated into practical information, guidelines, and regulatory policies.





Direct mailing to specific organisations and stakeholders will be used to distribute electronic resources to raise public awareness.

Technical journals, conferences and workshops at both national and international level, industry meetings, and participation in industrial forums will also be used for the dissemination of knowledge both at research and industrial levels.

9 Methodology

The following internal and external communication activities will be undertaken during the project's lifetime and afterwards to ensure that the results of HP4ALL are efficiently and effectively communicated to the project partners, stakeholders, and broader audiences.

9.1 Internal Communication

Effective internal communication is key to sharing information and ensuring that the deliverables are met. Therefore, regular meetings and conference calls will take place to exchange project information, update progress and share results. Consortium and technical meetings will take place two times a year, while Microsoft Teams and/or teleconferencing services will be used to facilitate collaboration within WPs.

Apart from specific emails, taking advantage of the project monthly conference call, SIE, as WP7 leader, will ask partners for their support on the upcoming dissemination and communication activities and events to update the Communication & Dissemination Plan and streamline a content curation process. This will allow the partners to take a more focused and systematic approach, strengthening actions taken to communicate and report on the project. A delegate from all consortium partners of HP4ALL will attend this meeting.

To facilitate efficient communication among partners, the website will also include a link to the consortium private SharePoint platform that LIT has put in place and which will hosts the project materials for internal use, including regular updates on the project development, meeting documents (agendas, minutes, and presentations), and project reports.

This private area will be secured through a login name and password.

9.2 External Communication

Every effort will be made to communicate the work of the consortium via the media, publications, conference presentations, trade fairs and workshops, as well as through the Commission and industry bodies. Results of the project will be disseminated via reports, scientific papers and articles. All public communication and scientific publications will be made open access to facilitate scientific exchange.

Whenever a translation is needed, the partners will be providing the text to SIE, who will take care of adjusting the design.

All project partners are expected to support dissemination, to ensure that stakeholders will be engaged throughout the lifetime of the project. Partners' activities may include but are not limited to: sharing content about the project on social media and on each entity's own newsletter and website, engaging with relevant national and local media (print, radio, television, web-based) and with stakeholders. The partners will gather all these actions on a



shared file that will be updated every month. In addition, all the partners must proactively share information with SIE about their activities related to the project, such as attendance to conferences, as well as the project's developments and results.

10 Timeline

As the project has different development phases, the communication focus would be different across each of them.

10.1 Phase 1: Awareness phase

At an early stage (M1-M12), it is essential to communicate what the project's scope and objectives are. It is also key to **identify the relevant stakeholders** for HP4ALL as well as to establish **contact with similar initiatives**. In this phase, the consortium partners will participate in relevant events and conferences, will build strong networking relationships, and will contribute as well to the communication actions.

10.2 Phase II: Knowledge transfer

The second phase (M13-M24) aims to provide the different stakeholders with the **first results of the project** and to raise interest on the optimised Heat Pump installations. The first workshops, webinar and technical papers will start to be produced.

10.3 Phase III: Replication and exploitation

The third phase (M24-M30) consists of supporting the **replication and exploitation** actions of HP4ALL. With the project coming to an end, it will be essential to link the exploitation and dissemination activities to guarantee the future replication of results. The final event will be celebrated openly in this period and all the knowledge and materials gathered in the project life will be made available online.



11 Actions M1-M2

11.1 Project identity and materials

In the first phase of the project, a visual identity for HP4ALL was created. It included the **logo of the project**, and the brand guidelines (typography, colours). Different communication materials were also developed, including a brochure, a roll-up, a poster, and a project presentation. A template for the deliverables, a Word document template and a PowerPoint template were produced and shared with the partners.

The first brochure, poster, factsheet, roll-up and project presentation were produced and made available on the website of the project as soon as it was operative:

Image 11.1: Word template



Title 1

1 Title 2

1.1 Title 3

1.1.1 Subtitle 1

1.1.1.1 Subtitle 2

Text: Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat. Duis aute irure dolor in reprehenderit in voluptate velit esse cillum dolore eu fugiat nulla pariatur. Excepteur sint occaecat cupidatat non proident, sunt in culpa qui officia deserunt mollit anim id est laborum.

11.2 Press releases

A press release was launched at the beginning of the project. It was sent to more than 200 local and trade media by SIE and several consortium partners.

11.3 Website

The website <https://HP4All.eu/> will be launched on M3 with essential information of the project that will be updated constantly with progress and news from the project and partners.

11.4 Social media

The LinkedIn account: <https://www.linkedin.com/company/HP4All> and the Twitter account: <https://twitter.com/heatpumps4all> were created and updated with content on a regular basis since the project's kick off.



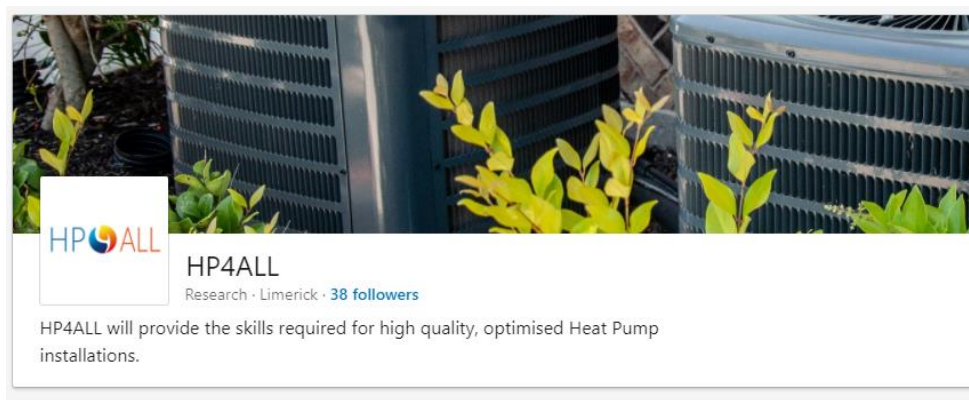
During this period, we shared **11 publications**, achieved **20 followers**, and our publications reached a total of 2,800K impressions on Twitter, as of October 19.

Image 11.6: HP4ALL Twitter account



We also begun the activity on LinkedIn on September 22, 2020. In this period, and until October 19, we published 11 posts and achieved 38 followers. The publications reached 766 impressions.

Image 11.7: HP4ALL LinkedIn account



12 Actions M2-M9

12.1 Offline actions

12.1.1 Printed materials

At the beginning of the project, HP4ALL produced a series of printed documents with the purpose of them to be distributed in the events partners were to attend.

Due to COVID-19, the distribution of these materials has been widely affected. Nevertheless, partners were encouraged to share with stakeholders the online versions, made available on the [website](#) on its 3 languages.

In this period, SIE supported other consortium partners campaigns by producing dedicated flyers to engage stakeholders.

Image 12.1: Example of an engagement campaign (Spanish)





To try to overcome the challenge of not being able to participate in face-to-face events, HP4ALL consortium partners have reinforced email contacts, online meetings, and calls with stakeholders, to guarantee that KPIs are achieved. Concrete actions are described below, and more details can be found on Annex 2 (dissemination tables).

As outlined on [section 11.2](#) and in the first version of the communication plan D7.1, a first press release was issued at M1. It was also translated to the 3 languages of the pilot regions and uploaded to the project website:

Press release 1 – [English](#), [German](#), [Spanish](#).

Image 12.2: First Press Release English



HP4ALL, a project to bring Europe to the forefront of the climatization sector

- HP4ALL is led by the Limerick Institute of Technology and formed by six other partners from five different countries
- HP4ALL has received almost €1 million funding from the European Union's Horizon 2020 research and innovation programme

Limerick (Ireland), September 22. A European consortium is working on the implementation of HP4ALL (Heat Pumps for ALL), a Horizon 2020 research and innovation project that will **enhance, develop and promote the skills required for high quality, optimised Heat Pump (HP) installations within residential/non-residential buildings, bringing Europe to the forefront of the climatization sector.**

Seven partners from five European countries will work for 30 months to ensure that the energy efficiency gains afforded by heat pumps are realised. HP4All will follow a holistic and systemic point of view by working both with the supply (manufacturers, SMEs, installers etc) and demand (building owners, public sector etc.) sides.

To achieve the goals, the project will develop the **HP4All package**, a set of different tools and resources to be used by the different related stakeholders. The package includes an HP Competency Framework to facilitate common HP Skills and, from an end-user perspective, an HP Knowledge Hub will be created to provide guidance and support.

HP4All will validate this package through **three pilot regions in Austria, Ireland, and Spain**, with the aim of **driving market change, influencing end-user decisions and planning for new innovations**. The implementation plans will be informed by extensive stakeholder engagement to map current and future barriers to HP market exploitation and skills development. Leading experts in the HP and energy sectors will support the regional actors to prepare the market for new innovations related to HP technology, procurement, and contracting services.

Moreover, the impact of the project will be maximised through the role of **three observer countries (Croatia, Portugal and Romania)** as they will follow closely the development and validation of the HP4All package, being early adopters even before the project ends. Replication activities will include a train-the-trainer workshop, a roadmap and pan-European events for policymakers and public bodies.

The first press release was delivered to more than 200 media contacts. The consortium partners contributed to the dissemination and they also issued their own press releases. For example, SIE, together with CTA, released an issue both in English and in Spanish to the Spanish market.

The total impacts for this type of communications reached 43 outlets in total, including media, consortium partners and related projects portals, as shown in Annex 1.

The concrete size of the audience reached is very difficult to measure as there are not common analytics for every media and in every pilot region. For those media that have those numbers available, we have included the figure under the link to the news in Annex 1.

Data was extracted from two sources: each media analytics, and the *Oficina para la Justificación de la Difusión* -Spanish Office for the verification of dissemination (OJD).

12.1.3 Events organised

During the M2-M6 period of the HP4ALL project, several engagement events were organised by the consortium.

LIT participated actively the organisation of the first joint webinar with related initiatives (those are described as part of chapter 2.1.5) as part of the Sustainable Places conference. The session was recorded on video and uploaded to the project's YouTube channel, and the presentation was made available on the website.

Image 12.3: Sustainable Places event flyer

Sustainable Energy Skills in the Construction Sector Workshop

Day 2 | Wednesday 28th October | 15.30 - 17.00



In April 2021, LIT organised a second webinar entitled Supporting the retrofit journey with innovative technologies, together with the SuperHomes and Busleague projects.



Image 12.4: HP4ALL webinar flyer



From their side, ESV led the organisation of a training session for heat pump installers in Austria.

Finally, SIE and LIT were active members in the organisation of a joint webinar with other related initiatives on May 27.

Image 12.5: Build up's webinar flyer





12.1.4 Events attended

During M2-M6 of the project, the different HP4ALL members have attended 2 events to speak about the project to internal and external audiences:

National Energy Research and Policy Conference LIT

Build Up skills European exchange LIT

As COVID-19 has certainly affected the participation in events, partners have disseminated HP4ALL through other channels, like the organisation of virtual meetings. For example, LIT attended a meeting with the Irish Minister for the Environment, Climate and Communications, and participated on an on line round table led by EHPA.

From their side, EHPA made a presentation at their R&D conference about HP4ALL in November 2020 and participated on the webinar entitled Training and re-training all along the value chain.

12.1.4 Interaction with other EU projects

In compliance with maximising the project impact and raise as much awareness as possible, HP4ALL engaged with similar projects (listed below) and initiatives (4 meetings have been held where the joint communication and dissemination was established and further actions in this sense were planned. Thus, as explained in the previous section, a joint workshop was organised, as part of the Sustainable Places conference.

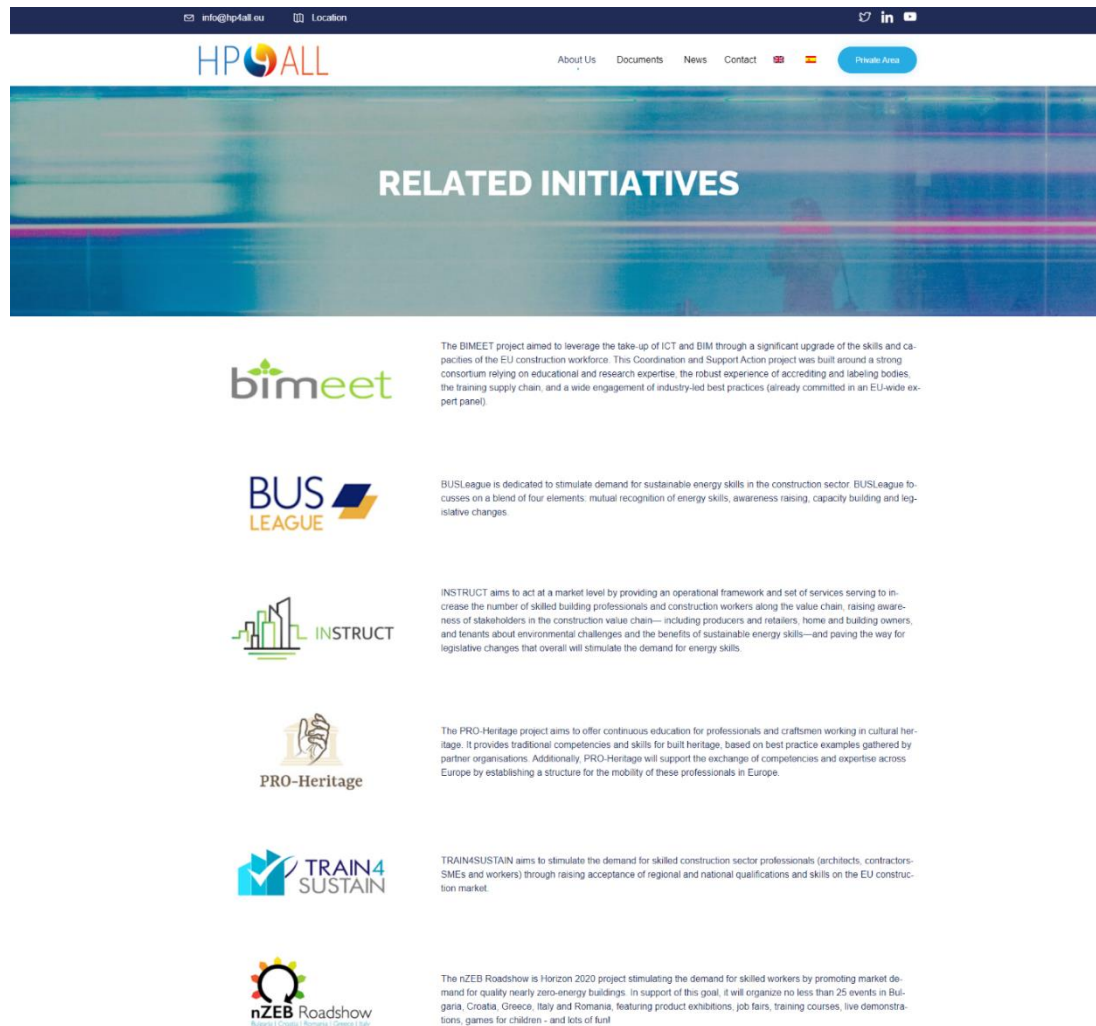
The participation in this conference also led to the production of a common paper by the BUSLEAGUE, INSTRUCT, The Nzeb roadshow, BIMEET, and TRAIN4SUSTAIN projects.

To boost this common collaboration, HP4ALL opened a new tab on the website to provide information on the rest of the projects. Apart from the aforementioned projects, at a later stage Pro Heritage project also joined the group.

By the end of May, another joint webinar was held, as explained on the previous chapter.

Consortium partners were very active in the establishment of synergies with other initiatives and, for example, EHPA and LIT actively engaged with SUPERHOMES2030, OPENGELA and SunHorizon, among others.

Image 12.6: HP4ALL's related initiatives section on the website



2.2 Online actions

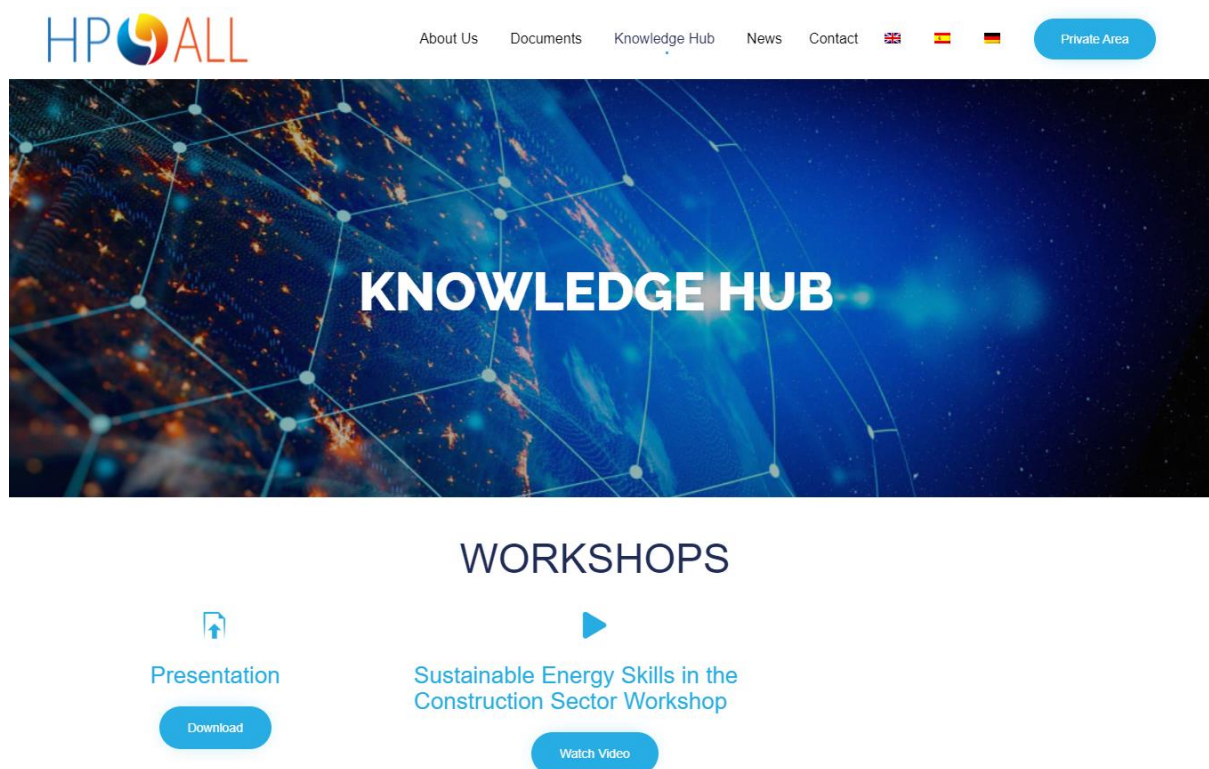
2.2.1 Website

Since the official release of the website on M3, HP4ALL partners have contributed widely to its update by providing information on milestones, giving interviews, consolidating dissemination materials, etc.

Apart from the videos and presentations already showcased before, the website has introduced a new tab as well called Knowledge Hub where all the training materials generated during the project life will be uploaded. For the time being, as explained before, it contains the video of the workshop held in October, as well as the presentation given at the event.



Image 12.7: HP4ALL's Knowledge Hub



Regarding the News section, 8 posts (in the 3 languages of the project) about the project outcomes, participation of the consortium partners in events and other relevant milestones have been uploaded since the submission of the latest communication plan:

<https://HP4All.eu/standardised-approach-needs-data-to-be-effective/>

<https://HP4All.eu/accelerate-the-market-roll-out/>

<https://HP4All.eu/interview-carlos-garcia-and-rocio-de-la-rosa/>

<https://HP4All.eu/HP4All-at-the-build-up-skills-european-exchange-meeting/>

<https://HP4All.eu/first-HP4All-newsletter-now-available/>

<https://HP4All.eu/meeting-with-irish-minister-for-the-environment-climate-and-communications/>

<https://HP4All.eu/training-pump-installers-austria/>

<https://HP4All.eu/HP4All-at-the-national-energy-research-policy-conference/>



Image 12.8: Example website post

“A standardised approach needs a lot of data from different stakeholders for this competency framework to be as effective as possible.”

News

March 22, 2021



Interview with Dan Stefanica, Head of Projects at European Heat Pump Association and leader of the Heat Pumps Skills Competency & Excellence Framework for HP4ALL

What are the skills and competencies needed in the HP sector?

Firstly, it is important to separate and highlight the similarities and differences between skills and competencies. Simply put, skills describe what type of job an individual can perform (e.g. install a heat pump) and competencies show us how an individual uses these skills and combines them with knowledge and abilities to perform a task successfully (e.g. how do they relate to the customer that has the heat pump installed). In terms of skills, a few that can be highlighted, are of course the technical ones that are present all along the value chain (from designers to installers), as well as their improvement and adaptation over time due to various factors (e.g. technology, customer preferences). In terms of competencies, they are the same as any other successful enterprise, some being: teamwork and efficient organisation of resources, problem solving and perseverance, effective communication, commercial awareness (how the company works) and a solid motivation to get things right and assure the long-term efficient working of the Heat Pump.

Why is it important to define a competency framework?

Competency frameworks are used in many fields and industries and take advantage of the previously described competencies (the skills, behaviours and attitudes) that are needed in each team, department and sector. As such, each role has a certain set of competencies that are needed to optimally perform the required tasks (e.g. a Heat Pump designer will have a different set of competencies from a Heat Pump salesperson or installer).

But then, how do you define and assess what competencies are needed and if the staff has them? That is where you would need a standardised approach, that is clear, adaptable and leads to the success of the organisation and sector. This standardised approach is defined as a competency framework and, as you can imagine, it needs a lot of data from different stakeholders (e.g. the personnel doing the work, training providers) to be as effective as possible.

Though complicated and time consuming, the framework is very useful and adaptable, while in designing it, one must take into account four separate stages. The first one is defining the purpose of the framework (e.g. to facilitate the mass deployment of Heat Pumps or the upskilling of workers to transition from installing fossil fuel boilers to installing Heat Pumps) and then assemble a team (in this case the project partners) that has a holistic view of the sector. The second step is to collect information (e.g. surveys, interviews) from the relevant stakeholders. After the information is collected, it needs to be analysed and validated, with the final step, being its implementation and potential adaptation to diverse National and European requirements.

How have recent events influenced these?

I think that the recent health crisis has influenced in some way all areas, including training, up-skilling and re-skilling and highlighted the need for lifelong learning and flexibility. Core competencies, such as problems solving, organisation/management of resources combined with the emphasis on digital skills and digital learning, and logistics proved to be quite important. While equally and maybe even more important, was the way that the sector has adapted to serve its customers, as efficiently as possible given the conditions under which it found itself.



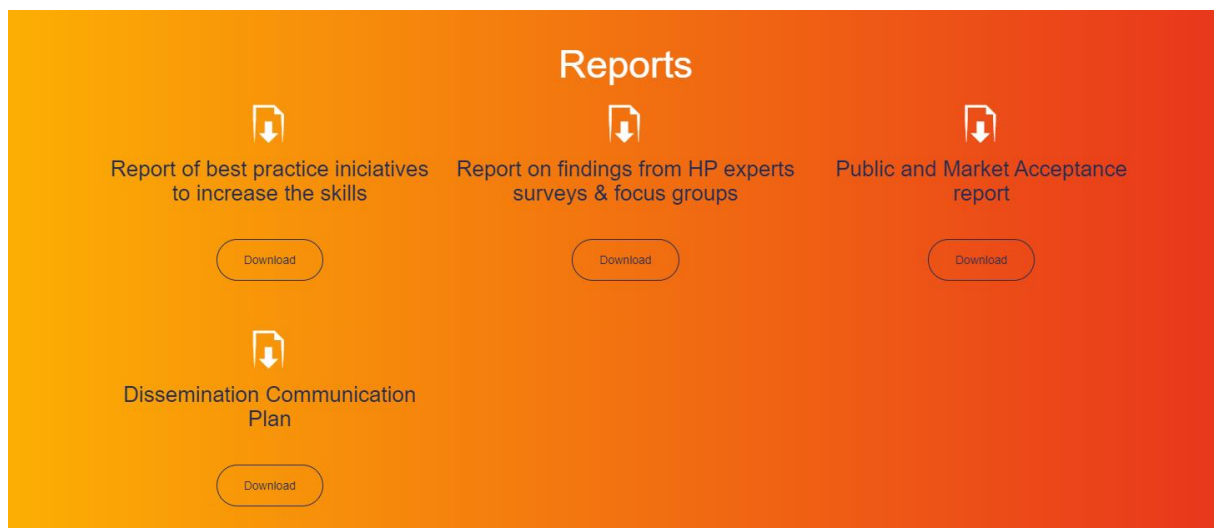
From its part, during the M2-M6 of the project, the following files have been uploaded to the Document section:

- Brochure ([English](#), [German](#), [Spanish](#))
- Poster ([English](#), [German](#), [Spanish](#))
- Roll up ([English](#), [German](#), [Spanish](#))
- Factsheet ([English](#), [German](#), [Spanish](#))
- Presentation ([English](#), [German](#), [Spanish](#))
- [Logo](#)
- Press release ([English](#), [German](#), [Spanish](#))
- Paper Sustainable Places ([English](#))
- Article Revista Ecoconstrucción ([Spanish](#))
- 1st Newsletter ([English](#))

Likewise, HP4ALL has uploaded the following public deliverables:

- Report on best practice initiatives to increase the skills in the energy sector ([English](#))
- Report on findings from HP expert surveys & focus groups ([English](#))
- Public Market Acceptance Report ([English](#))

Image 12.9: Report section

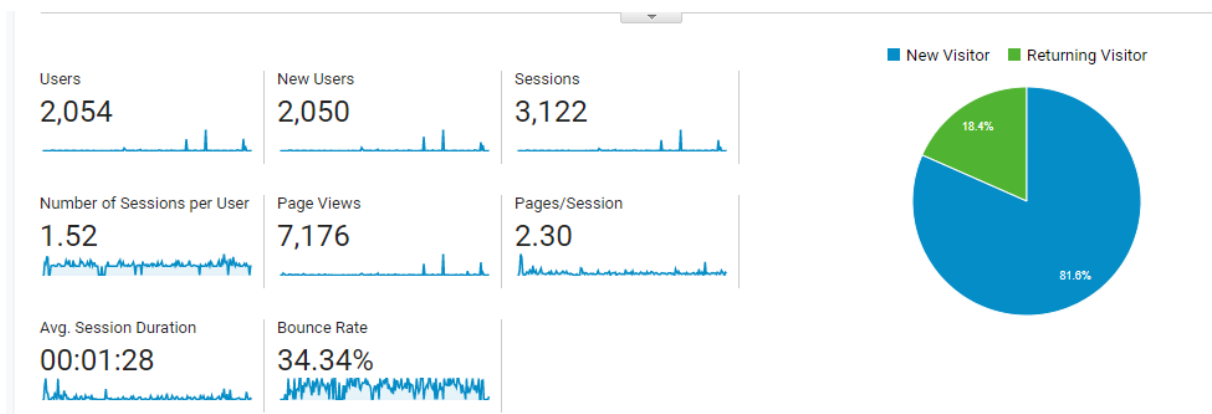


In the M2-M6 period of the project, HP4ALL has gained 2,050 unique visitors on its website, with an average session duration of 1 minutes 52 seconds. 7,176 unique page views in total.

At the beginning of the project, a KPI of at least 1,200 visitors per year was established, which HP4ALL has already overperformed in only 9 months.

A common session duration is usually between 1 and 2 minutes, thus the average session of 1,50 minutes achieved indicates high visitor engagement and interest in the project.

Image 12.10: Google Analytics for HP4ALL's website



12.2.2 Newsletter

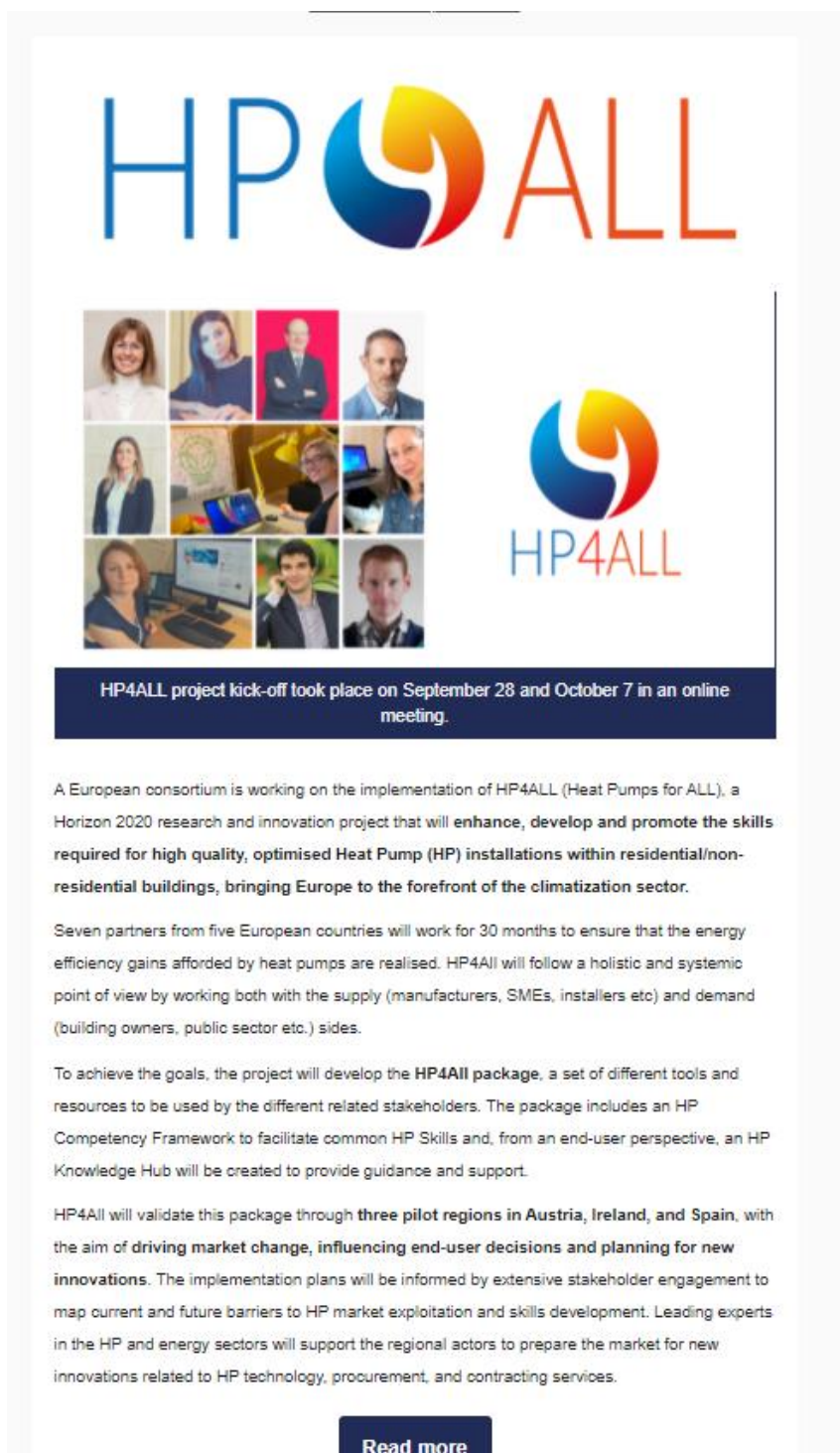
As mentioned in the Grant Agreement, it is expected that newsletters will be released biannually.

Issue number 1 released in M4 included general information about the project objectives, impacts and methodology, as well as the consortium composition.

As of M9, the Newsletter has 280 subscribers and 61 readers. At the original communication and dissemination plan a good performance was established in more than 200 subscribers and a percentage of more than 15% readers, which HP4ALL is already obtaining.



Image 12.11: First Newsletter (M4)



12.2.3 Social media

The first social media channels ([LinkedIn](#) and [Twitter](#)) were put in place by SIE in M1, while the [YouTube](#) platform was established once the first official [video](#) of the project was released (M5).

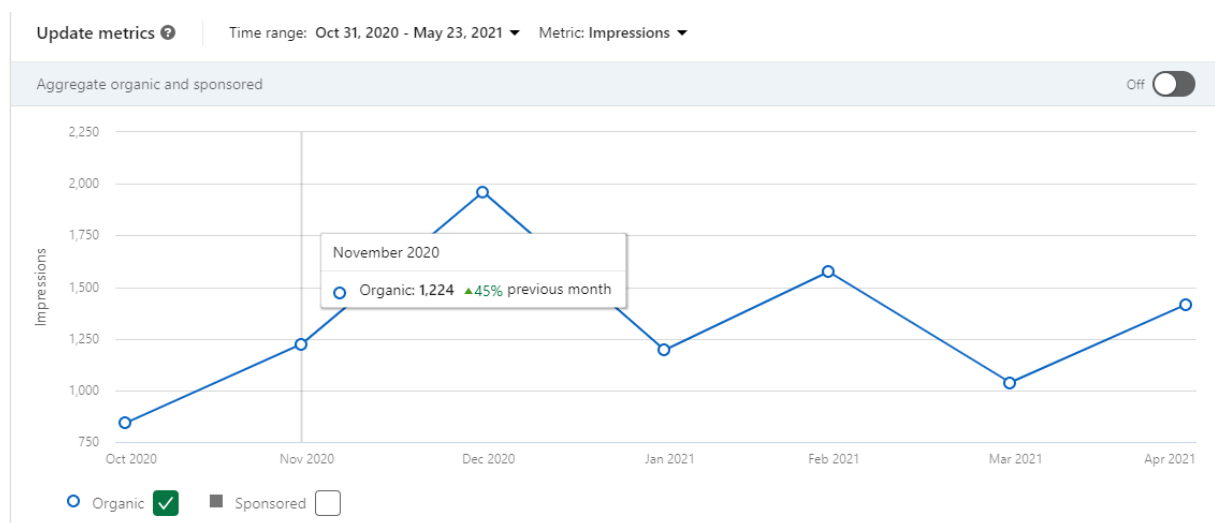
LinkedIn

HP4ALL presence in LinkedIn has reached 117 followers by M9 after 43 updates (posts).

The engagement rate of this platform (number of interactions with post -likes, comments, shares) has reached 6% (more than 3% is usually considered excellent performance).

The number of impressions (views) has grown during the M1-M9 period, reaching 9,694 views by May 2021.

Image 12.12: Number of Impressions for HP4ALL on LinkedIn



Twitter

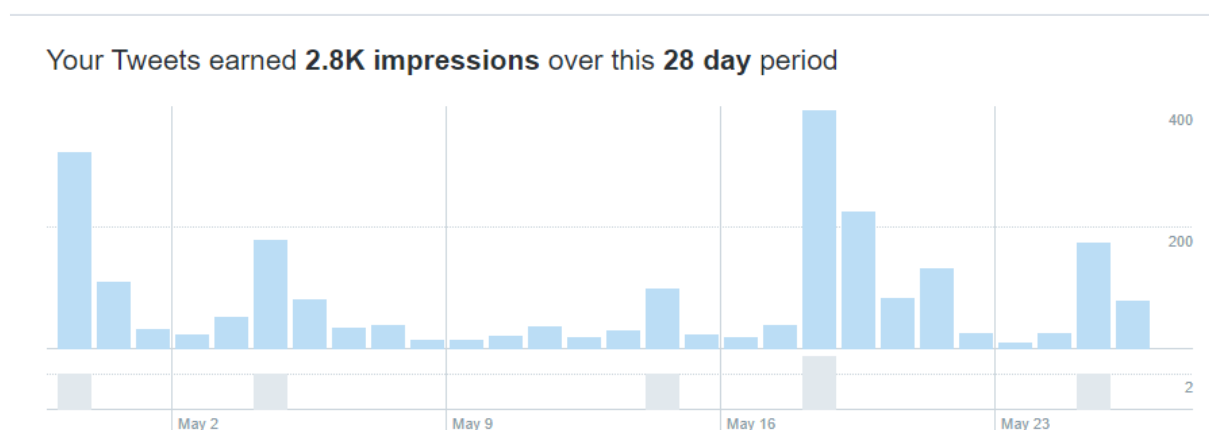
As of May 2021, HP4ALL has 75 followers on this social media channel after 87 tweets. The contents on the profile have generated 18,500 views from M1 until M9*. The current engagement rate for Twitter is 1.6% (over 0.5% is considered good performance). Some partners have been very active and supportive in this area.

*The difference between the analytics of LinkedIn and Twitter remains mainly in the nature of each of them. All the professional contacts are more frequently found on LinkedIn, while Twitter is usually more oriented to a personal use. The interest to be on Twitter, although it frequently



results in poor performance compared to LinkedIn, is the number of views that is usually higher than on LinkedIn.

Image 12.13: Number of impressions for HP4ALL on Twitter



YouTube

At least two videos were expected to be produced along the project life.

To date, HP4ALL has made two videos public: the Sustainable Places workshop, and the official corporate video.

All videos have received 116 views to date.

13 Dissemination M2-M9

As stated on the Grant Agreement Article 29 “Unless it goes against their legitimate interests, each beneficiary must — as soon as possible — ‘disseminate’ its results by disclosing them to the public by appropriate means (other than those resulting from protecting or exploiting the results), including in scientific publications (in any medium).”

In compliance with this article, our partners have actively contributed to disseminating the HP4ALL project from the very beginning by different means: social media posts, attendance at conferences and shows, emailing campaigns, newsletters, press releases, etc. to good effect.

HPALL LinkedIn posts have been shared 41 times in this period and the partners were very supportive in this area. Likewise, consortium members have made 23 tweets during M1-M9

about HP4ALL and contributed to retweeting 52 times to the content shared in the official social media channels.

Some partners have accounts on other media channels (ie: [Instagram](#)) and they have disseminated the project as well over there.

During this period, CTA, in collaboration with SIE managed to get an [article](#) published on the Ecoconstrucción Magazine in October 2020 entitled *HP4ALL, eficiencia energética a partir de bombas de calor de alta calidad*.

Image 13.1: Article on Energy World Magazine

EFICIENCIA Y AHORRO ENERGÉTICO

HP4ALL, EFICIENCIA ENERGÉTICA A PARTIR DE BOMBAS DE CALOR DE ALTA CALIDAD

Llevar a Europa a la vanguardia de la climatización. Ese es el principal objetivo del proyecto europeo HP4ALL, financiado por el programa Horizonte 2020 de la Unión Europea y que pretende desarrollar las competencias necesarias para la realización de instalaciones de bombas de calor optimizadas de alta calidad con el fin de garantizar mejoras de eficiencia energética en edificios residenciales y no residenciales.

Carlos García, responsable técnico de Edificación y Obras de la Corporación Tecnológica de Andalucía (CTA), Rector de la ROTA, CONSULTORA DE DESARROLLO DE NEGOCIO DE CTA

mayor medida, de origen renovable. Es una de las grandes apuestas de la Unión Europea en el nuevo escenario de transición hacia la descarbonización de nuestro sistema energético, especialmente en el entorno edificado, al suponer una extracción neta de energía del entorno sin emisiones asociadas de gases de combustión.

Mercado en auge

Las bombas de calor pueden clasificarse en una primera aproximación en función del entorno exterior e interior que se intercambian calor a través de la máquina láser, agua, tierra, siendo las más frecuentes la de tipo aire-aire (que pueden ser en algunos casos reversibles y usarse como equipos de refrigeración), las de aire-agua (usadas para calefacción y producción de agua caliente sanitaria, típicas de Centros urbanos) y, a más distancia, las de tipo tierra-aire o tierra-agua, conocidas también como geotérmicas y menos frecuentes en nuestros latitudes.

El mercado de las bombas de calor, de acuerdo con las cifras que maneja AFEC (Asociación Española de equipos de Climatización) y la EHPA (Asociación Europea de la Bomba de Calor) está registrando un auge espectacular, con crecimiento en España superior al 20% anual e incluso mayor en algunas tipologías, igualmente elevado, superior al 10% en promedio, aunque a mayor distancia, en el ámbito de la UE.

Como ya se ha comentado, la aplicación más frecuente de las bombas de calor en Europa es para calefacción y producción de agua caliente sanitaria. Sin embargo, este no ha sido el caso hasta ahora de España, donde poco más del 15% del total de instalaciones en algo más del 30% de los hogares,

comercios e industrias, es decir algo más del 5% del total de edificaciones e instalaciones de nuestro país se utilizaba hasta hace poco para este fin, dedicándose mayoritariamente a refrigeración doméstica y terciaria y desaprovechándose estas otras dos importantes funcionalidades. La situación parecía haber cambiado estos tres últimos años, pero queda aún camino por recorrer.

Potencial 8-10 veces superior al actual

A nivel de la UE el grado de penetración de estos sistemas es superior, especialmente en Francia, Italia, países escandinavos y centroeuropeos, pero aun así la EHPA estima que el potencial de mercado sigue siendo del orden de 8-10 veces superior al actual. Ello hace pensar en una elevadísima demanda a lo largo de los próximos años para cual no existen actualmente suficientes perfiles profesionales (ingenieros, montadores, instaladores, técnicos de mantenimiento etc.).

Añadido a lo anterior, existen importantes desafíos como el desarrollo de sistemas más flexibles y aptos para viviendas plurifamiliares, industrias, redes de distrito o rehabilitación energética de edificios, despliegue de sistemas de suministro y gestión zonal de la demanda de potencia eléctrica auxiliar, perfeccionar y armonizar especificaciones técnicas, planificar la producción y suministro a gran escala de componentes y conocer la oportunidad a técnicos de planificación, diseñadores y promotores.

El proyecto HP4ALL, nace precisamente para dar respuesta a muchas de estas cuestiones, establecer escenarios y hoja de rutas o identificar y priorizar actuaciones técnicas, administrativas, comerciales, formativas e informativas.

Expertos de toda Europa en bombas de calor

El proyecto HP4ALL reúne a los principales expertos de toda Europa para permitir el desarrollo de capacidades y habilidades dentro del sector de las bombas de calor. Liderado por el Limerick Institute of Technology, HP4ALL está integrado también por la Asociación Europea de Bombas de Calor (EHPA), el International Energy Research Centre (IERC), Corporación Tecnológica de Andalucía (CTA), Energiepartners, RINA Consulting y Sustainable Innovations.

Seguendo un punto de vista holístico y sistémico, HP4ALL trabaja tanto con el lado de la oferta (fabricantes, Pymes e instalaciones) como con el de la demanda (propietarios de edificios y sector público) abarcando así toda la cadena de valor de las bombas de calor desde el diseño, la operación y el mantenimiento. De esta manera, el proyecto mejorará, desarrollará y promoverá las competencias necesarias para la realización de instalaciones de bombas de calor de alta calidad y optimizadas en edificios residenciales y no residenciales, llevando a Europa a la vanguardia del sector de la climatización.

El proyecto desarrollará el paquete HP4ALL ("bombas de calor para todos") como indican sus siglas en inglés el cual contendrá un conjunto de herramientas y recursos innovadores para ser utilizados por los diferentes actores relacionados.

Este paquete HP4ALL desarrollará un Marco de Competencias para facilitar el reconocimiento de los beneficios de las bombas de calor en toda Europa y en el sector de

EFICIENCIA Y AHORRO ENERGÉTICO

le construcción y, desde la perspectiva del usuario final, creará un Centro Digital de Conocimientos de bombas de calor para facilitar orientación, apoyo y herramientas. Entre otras acciones, se proporcionará información técnica, estudios de casos, orientación sobre adquisiciones para aumentar la demanda de aptitudes y conocimientos sobre las bombas de calor.

Además, el paquete HP4ALL desarrollará una herramienta de evaluación comparativa que permitirá a los usuarios finales considerar diferentes opciones y rendimientos de tecnologías aplicadas a las bombas de calor dentro de diferentes tipos de edificios.

Plan de replicación a nivel europeo

También incluirá un Plan de Replicación a nivel europeo, que será liderado por Corporación Tecnológica de Andalucía (CTA) y que incluirá acciones de formación de instructores, una hoja de ruta para el uso del paquete HP4ALL y una campaña de sensibilización con un evento paneuropeo dirigido a los organismos públicos.

El paquete HP4ALL será validado por los países pilotos del consorcio (Austria, España e Irlanda) cuyo rol será impulsar el cambio en el mercado de bombas de calor e influir en las decisiones de los usuarios finales.

Para conseguir este objetivo, 400 personas recibirán formación y orientación a nivel tanto regional como nacional con el fin de crear capacidades y conocimientos sobre nuevas innovaciones y soluciones de bombas de calor a través de la integración de redes inteligentes y tecnologías híbridas. Para asegurar un gran impacto, se llevarán a cabo grandes campañas de promoción dirigidas a los usuarios finales.

También se redactarán 20 casos de estudio y mejores prácticas para mostrar el impacto de las habilidades en el rendimiento de las bombas de calor y se celebrarán más de 10 talleres a los que se invitarán a responsables políticos, fabricantes y diferentes actores de la cadena de suministro de bombas de calor. Por último, se involucrarán a más de 50 expertos en un análisis de mercado que se realizará para detectar las principales barreras en la adopción de bombas de calor.

Innovaciones y soluciones emergentes

Para garantizar el éxito del paquete HP4ALL, el consorcio se centrará en las nuevas innovaciones y soluciones emergentes en el mercado de bombas de calor y en las habilidades asociadas a su aplicación. Por tanto, se involucrarán a 20 expertos líderes en el sector de bombas de calor y energía que ayudarán a preparar el mercado para la adquisición de nuevas tecnologías e incorporación de mejoras en los servicios de climatización.

El impacto del proyecto se maximizará a través del papel de tres países observadores, que serán Croacia, Portugal y Rumanía. Estos países seguirán de cerca el desarrollo y la validación del paquete HP4ALL, convirtiéndose en los primeros en adaptarlo incluso antes de que el proyecto termine.

Con todas estas acciones, HP4ALL contribuirá a que Europa pueda liderar el crecimiento sostenible mediante la introducción de mejores y más eficientes bombas de calor, listas para descarbonizar el sector de la climatización para el año 2050. ■

Likewise, a joint [paper](#) with related initiatives was produced as part of the participation at the Sustainable Places conference, as previously explained.

As further explained in section 2.1.4, a total of 2 events were attended. Moreover, EHPA advertised the project on their corporate Newsletters:

[Newsletter 1](#)

[Newsletter 2](#)



Horizon 2020
European Union Funding
for Research & Innovation

This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 891775. The contents of this publication are the sole responsibility of the project partners involved in the present activity and do not necessarily represent the view of the European Commission and its services nor of any of the other consortium partners. This deliverable should be seen as draft and will only be final after final approval by the European Commission.

[Newsletter 3](#)

[Newsletter 4](#)

[Newsletter 5](#)

[Newsletter 6](#)

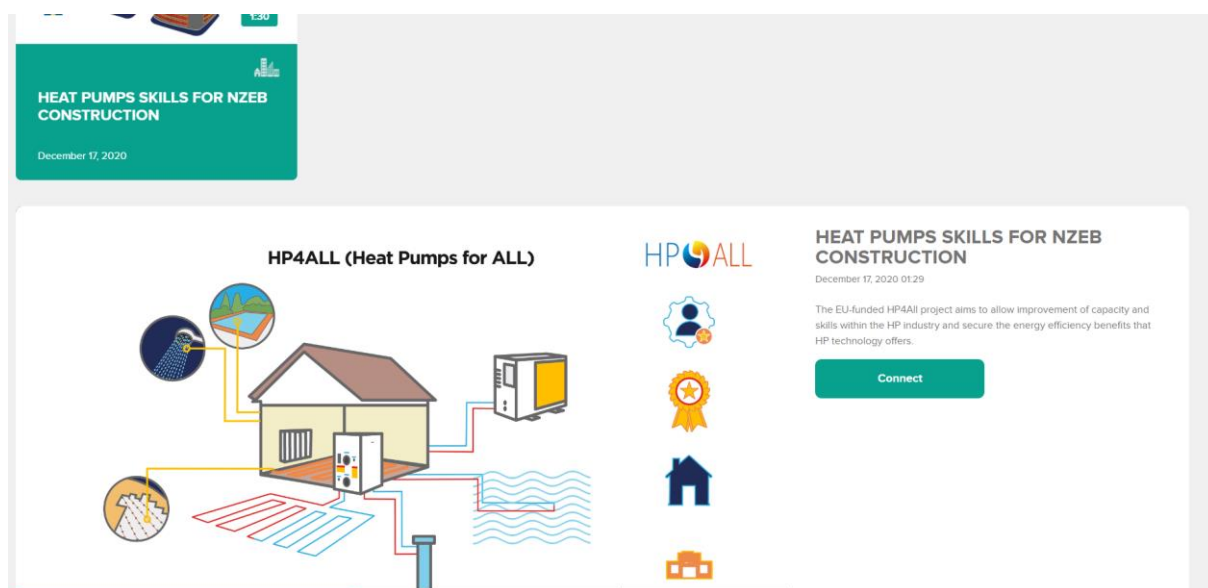
[Newsletter 7](#)

[Newsletter 8](#)

From their side, [CTA](#), [EHPA](#), [ESV](#), [LIT](#), [RINA](#) and [SIE](#) did the same on their website. Both CTA and SIE released their own press to the Spanish press, as explained before.

Moreover, to increase HP4ALL visibility worldwide, SIE submitted the candidacy of HP4ALL to the [Globally Great](#) international awards.

Image 13.2: HP4ALL nomination to the Globally Great awards



All this information can be found in more detail in the dissemination tables included in Annex 2.



14 Actions M10-M18

14.1 Offline actions

14.1.1 Printed materials

Due to COVID-19, the distribution of these materials has been widely affected. Nevertheless, partners were encouraged to share with stakeholders the online versions, made available on the [website](#) on its 3 languages.

In this period, more than 300 documents were downloaded from the Document section

Image 14.1: Document section visits on the period (English version)

<input type="checkbox"/>	Page ?	Page Views ?	Unique Page Views ?	Avg ?
		411 % of Total: 5.10% (8,054)	207 % of Total: 6.31% (3,281)	0
<input type="checkbox"/>	1. /documents/	411 (100.00%)	207 (100.00%)	

To try to overcome the challenge of not being able to participate in face-to-face events, HP4ALL consortium partners have reinforced email contacts, online meetings, and calls with stakeholders, to guarantee that KPIs are achieved. Concrete actions are described below, and more details can be found on Annex 4 (dissemination tables period M10-M18).

As outlined on [section 11.2](#) and in the first version of the communication plan D7.1, a first press release was issued at M1. During this period, two more press releases were issued in English, German and Spanish.

- Press release 2 – [English](#), [German](#), [Spanish](#).
- Press release 3 – [English](#), [German](#), [Spanish](#).



Image 14.2: Third Press Release English



HP4ALL holds the *Sustainable energy skills for the construction sector 2.0* webinar

- Together with the ARISE, BIMZEED, BUSLeague, CraftEdu, INSTRUCT, PRO-Heritage, SEetheSkills, TRAIN4SUSTAIN, the nZEB Roadshow, and nZEB ready projects, HP4ALL will approach the best practice initiatives designed to increase skills in the construction sector.

Limerick (Ireland), September 9. **HP4ALL** (Heat Pumps for ALL), a Horizon 2020 research and innovation project that will enhance, develop and promote the **skills** required for high quality, optimised **Heat Pump (HP) installations** within residential/non-residential buildings will be participating, on September 29, at the webinar entitled *Sustainable energy skills for the construction sector 2.0*, held within the framework of the Sustainable Places conference.

Over one and half hours, from 15:30 to 17:00 CEST, HP4ALL, together with the ARISE, BIMZEED, BUSLeague, CraftEdu, INSTRUCT, PRO-Heritage, SEetheSkills, TRAIN4SUSTAIN, the nZEB Roadshow, and nZEB ready projects will review **the learning units/ training modules developed by each project**, present the target groups addressed by them, share the progress so far and conclude with future plans.

The webinar will be organised in **two different parts**, the first one will address on a plenary session the practice initiatives designed to increase skills in the construction sector while a dedicated half-hour will encourage participants to raise their questions to the speakers and build an open debate.

More information and registrations on: <https://www.sustainableplaces.eu/>

About HP4ALL

HP4ALL (Heat Pumps for ALL), a Horizon 2020 research and innovation project that will enhance, develop and promote the skills required for high quality, optimised Heat Pump (HP) installations within residential/non-residential buildings, bringing Europe to the forefront of the climatization sector.

About BUSLeague

BUSLeague is dedicated to stimulating demand for sustainable energy skills in the construction sector. BUSLeague focuses on a blend of four elements: mutual recognition of energy skills, awareness-raising, capacity building, and legislative changes.

About INSTRUCT

INSTRUCT aims to act at a market level by providing an operational framework and set of services serving to increase the number of skilled building professionals and construction workers along the value chain, raising awareness of stakeholders in the construction value chain— including producers and



Horizon 2020
European Union Funding
for Research & Innovation

This project has received funding from
the European Union's Horizon 2020 research and innovation
programme under grant agreement No 891775



Both press releases were delivered to more than 200 media contacts each.

The total impacts for this type of communications reached 7 outlets in total, including media, consortium partners and related projects portals, as shown in Annex 3.

The concrete size of the audience reached is very difficult to measure as there are not common analytics for every media and in every pilot region. For those media that have those numbers available, we have included the figure under the link to the news in Annex 3.

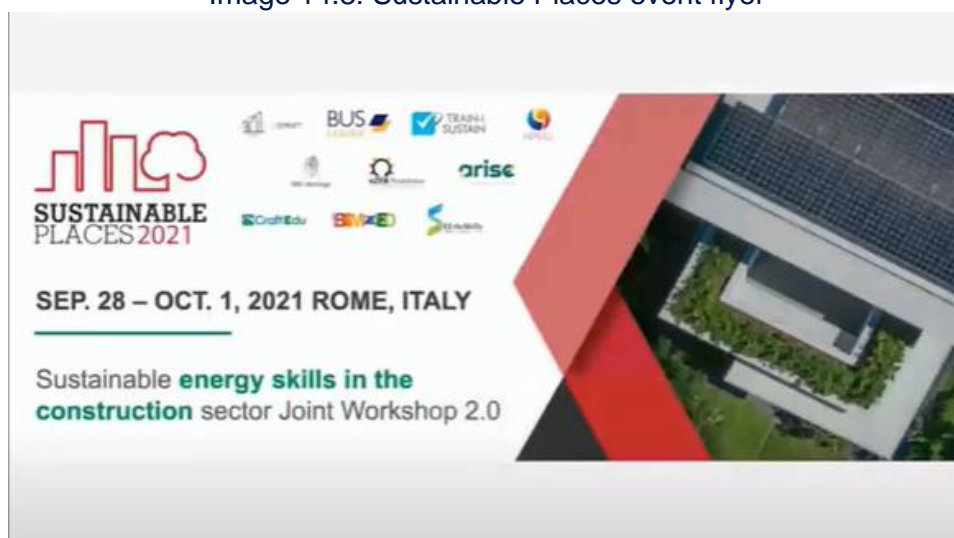
14.1.3 Events organised

During the M10-M18 period of the HP4ALL project, several engagement events were organised by the consortium.

HP4ALL's pilot regions, together with EHPA organised a session as part of the European Green Week during the session *Deep Retrofit Community of Practice: Highly ambitious regions and projects across Europe*.

Likewise LIT (now TUS) participated actively in the organisation of the third joint webinar with related initiatives (those are described as part of [chapter 2.1.5](#)) as part of the Sustainable Places conference. The session was recorded on [video](#) and uploaded to the project's YouTube channel, and the presentation was made available on the website.

Image 14.3: Sustainable Places event flyer



From their side, ESV organised three different [events](#) to train professionals on heat pumps technologies in Upper Austria.

14.1.4 Events attended

During M10-M18 of the project, the different HP4ALL members have attended 3 events to speak about the project to external audiences:

European Heat Pump Summit 2021 EHPA

ISVIS 2021 CTA

BUILD UP exchange event LIT (TUS) & EHPA

As COVID-19 has certainly affected the participation in events, partners have disseminated HP4ALL through other channels. In example, LIT (TUS) has carried out several stakeholder interviews in Ireland between October and November 2021 involving Architect's offices, city councils and executive agencies for Housing departments, among others.

14.1.4 Interaction with other EU projects

In compliance with maximising the project impact and raise as much awareness as possible, HP4ALL engaged with similar projects (listed below) and initiatives. Three meetings were held where the joint communication and dissemination was established and further actions in this sense were planned. Thus, as explained in the previous section, a joint workshop was organised, as part of the Sustainable Places conference.

The participation in this conference also led to the production of a common paper by the ARISE, BIMZEED, BUSLEAGUE, CRAFTEDU, INSTRUCT, The Nzeb roadshow, PROHERITAGE, SEETHESKILLS and TRAIN4SUSTAIN projects.

To boost this common collaboration, HP4ALL updated the related initiatives tab on the website to provide information on the new projects ARISE, CRAFTEDU and SEETHESKILLS.

By the end of December 2021, the project group applied to continue their collaboration within the Horizon Results Booster initiative, that has started in January 2022 and it is foreseen to last during all 2023.

Image 14.6: HP4ALL's related initiatives paper abstract



Proceeding Paper

Sustainable Energy Skills in the Construction Sector 2.0 [†]

Mohaddeseh Maktabifard ^{1,*}, Paul McCormack ², Marion Jammet ³, Uli Jakob ⁴, Jose Lucas ⁵,
Lihnda Stojanovska-Georgievska ⁶, Padraic O'Reilly ⁷, Ioan Petri ⁸, Gerald Wagenhofer ⁹, Sonia Raetchi ¹⁰ and
Jiri Karasek ¹¹

¹ R2M Solution, 06330 Roquefort-les-Pins, France

² Belfast Metropolitan College, Belfast BT12 7DU, UK; paulmccormack@belfastmet.ac.uk

³ Irish Green Building Council, 1 Dublin, Ireland; marion@igbc.ie

⁴ Dr. Jakob energy research GmbH & Co. KG, 71384 Weinstadt, Germany; uli.jakob@drjakobenergyresearch.de

⁵ The Catalonia Institute of Construction Technology, ES08018 Barcelona, Spain; jlucas@itec.cat

⁶ Faculty of Electrical Engineering and Information Technologies, Saints Cyril and Methodius University of
Skopje, 1000 Skopje, North Macedonia; lihnida@feit.ukim.edu.mk

⁷ Limerick Institute of Technology, E41 PC92 Tipperary, Ireland; padraic.oreilly@lit.ie

⁸ School of Engineering, Cardiff University, 5 The Parade, Newport Road, Cardiff CF24 3AA, UK;

petri@cardiff.ac.uk

⁹ UBW Unternehmensberatung Wagenhofer GmbH, 1070 Vienna, Austria;

gerald.wagenhofer@ubw-wagenhofer.at

¹⁰ Cluster pRO-nZEB, Sector 2, 021652 Bucharest, Romania; sonia.raetchi@gmail.com

¹¹ Faculty of Civil Engineering, Czech Technical University in Prague, Thakurova 7,
166 29 Prague, Czech Republic; jiri.karasek@svn.cz

* Correspondence: mohaddeseh.maktabifard@r2msolution.com

[†] Presented at the Sustainable Places 2021, Rome, Italy, 29 September–1 October 2021.



Citation: Maktabifard, M.; McCormack, P.; Jammet, M.; Jakob, U.; Lucas, J.; Stojanovska-Georgievska, L.; O'Reilly, P.; Petri, I.; Wagenhofer, G.; Raetchi, S.; et al. Sustainable Energy Skills in the Construction Sector 2.0. *Environ. Sci. Proc.* **2021**, *11*, 20. <https://doi.org/10.3390/environsciproc2021011020>

Academic Editor: Zia Lennard

Published: 29 November 2021

Publisher's Note: MDPI stays neutral with regard to jurisdictional claims in published maps and institutional affiliations.



Copyright: © 2021 by the authors. Licensee MDPI, Basel, Switzerland. This article is an open access article distributed under the terms and conditions of the Creative Commons Attribution (CC BY) license (<https://creativecommons.org/licenses/by/4.0/>).

Abstract: In this workshop, we discussed the targets, current status, and future plans of 10 Horizon 2020 projects—ARISE, BUSLeague, TRAIN4SUSTAIN, BIMzeED, SEetheSkills, HP4ALL, INSTRUCT, PRO-Heritage, The nZEB Roadshow, and CraftEdu—about how to increase the number of skilled building professionals and/or blue-collar workers across the building design, operation, and maintenance value chain.

Keywords: skill; energy; construction; building professionals

1. Introduction

The European construction sector is one of the areas with the highest potential when it comes to reducing annual energy consumption. Facing many challenges to achieve ambitious energy efficiency objectives, this sector aims to go forward by applying successful training initiatives and supporting policy instruments.

For this reason, the creation of BUILD UP Skills, an EU Initiative to improve the qualification and skills of Europe's building workers, acted as a springboard to stimulate the demand for energy efficiency skills. Furthermore, focusing on continuing education of craftsmen and other on-site building workers, this initiative is home to most of the projects presented during Sustainable Energy Skills in the Construction sector 2.0 workshop. Conducted during Sustainable Place 2021, this workshop was a continuation to the primary workshop with the same topic during the 2020 edition of this conference.

In this report, we are summarising the contributions of 10 Horizon 2020 projects on sustainable energy skills and trainings in the construction value chain, including ARISE [1], BUSLeague [2], TRAIN4SUSTAIN [3], BIMzeED [4], SEetheSkills [5], HP4ALL [6], INSTRUCT [7], PRO-Heritage [8], The nZEB Roadshow [9], and CraftEdu [10].



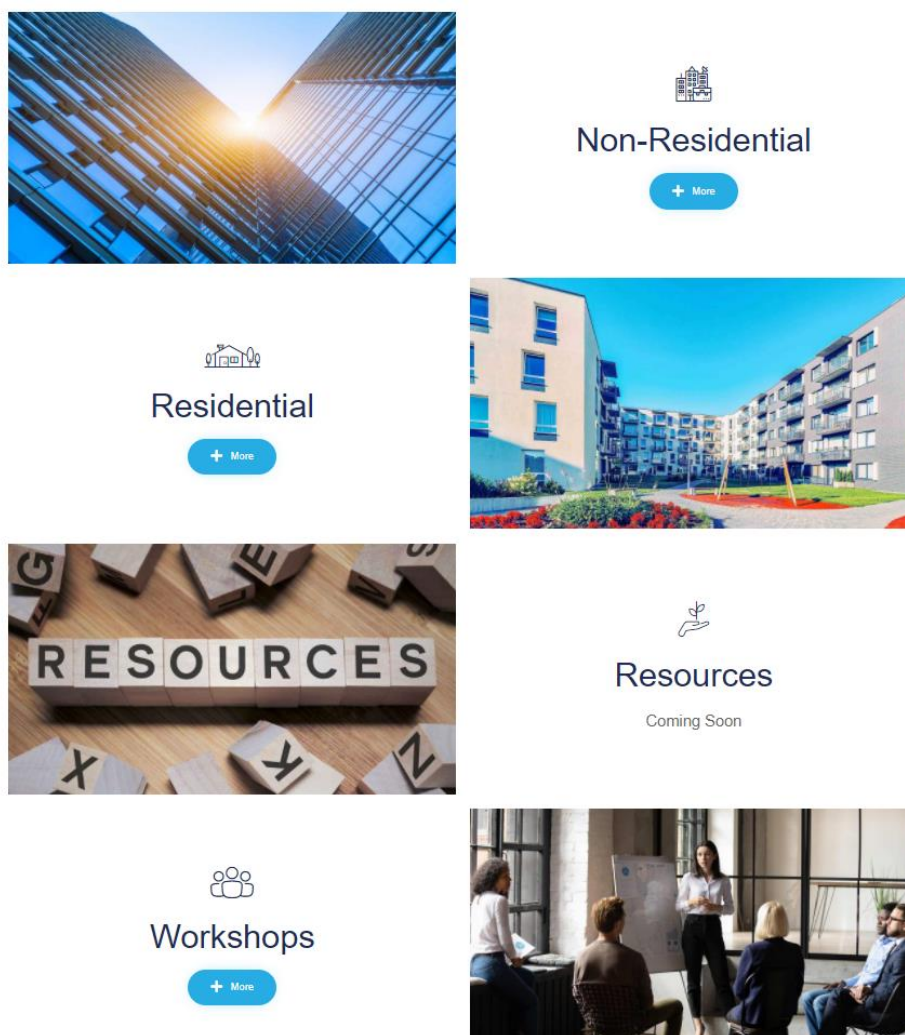
14.2 Online actions

14.2.1 Website

Since the official release of the website on M3, HP4ALL partners have contributed widely to its update by providing information on milestones, giving interviews, consolidating dissemination materials, etc.

During this period, the Knowledge Hub section created in M9 was updated to include relevant information for stakeholders and to compile, in a user friendly way, all the training materials available until now. Thus, a main menu was put in place including information about non-residential and residential heat pump installations, as well as resources and workshops.

Image 14.7: HP4ALL's Knowledge Hub main menu





Regarding the News section, 14 posts (in English and Spanish) about the project outcomes, participation of the consortium partners in events and other relevant milestones have been uploaded since the submission of the latest communication plan:

<https://HP4All.eu/HP4All-partners-meet-online-for-their-steering-committee/>

<https://HP4All.eu/HP4All-holds-together-with-sister-projects-a-webinar-entitled-sustainable-energy-skills-in-the-construction-sector/>

<https://HP4All.eu/key-to-our-project-will-be-successful-interaction-with-the-marketplace-in-our-3-pilot-regions-of-austria-ireland-and-spain/>

<https://HP4All.eu/HP4Alls-june-2021-newsletter-available-for-consultation/>

<https://HP4All.eu/limerick-institute-of-technology-HP4Alls-coordinator-organises-the-webinar-supporting-the-retrofit-journey-with-innovative-technologies/>

<https://HP4All.eu/HP4All-part-of-the-european-green-week/>

<https://HP4All.eu/lit-and-HP4All-project/>

<https://HP4All.eu/interview-with-christiane-egger/>

<https://HP4All.eu/sustainable-energy-skills-for-the-construction-sector-2-0-webinar/>

<https://HP4All.eu/HP4All-attends-the-european-heat-pump-summit-2021/>

<https://HP4All.eu/HP4All-good-progress-after-a-year-of-running/>

<https://HP4All.eu/HP4All-present-at-isvis-2021-congress/>

<https://HP4All.eu/esv-trains-professionals-on-heat-pump-technologies-in-upper-austria/>

<https://HP4All.eu/HP4All-at-the-build-up-exchange-meeting/>





Image 14.8: Example website post

HP4ALL at the Build-Up Exchange meeting



On November 30, the 13th Build Up Exchange meeting took place online and HP4ALL had the opportunity to participate actively, together with joint initiatives addressing the sustainable skills in the construction sector.

From HP4ALL, our project coordinator Padraic O'Reilly, researcher at the Technological University of the Shannon, was a rapporteur in the panel discussion about policy-based mechanisms while Dan Stefanica, Head of Projects at the European Heat Pump Association moderated a session about the skills validation mechanisms.

The session aimed to take stock of the progress made by the projects on mechanisms to trigger the demand for skills and skilled professionals in the construction sector. Likewise, the webinar focused on facilitating the exchange of insights, including in terms of challenges encountered and best practices.

From its part, during the M10-M18 of the project, the following files have been uploaded to the Document section:

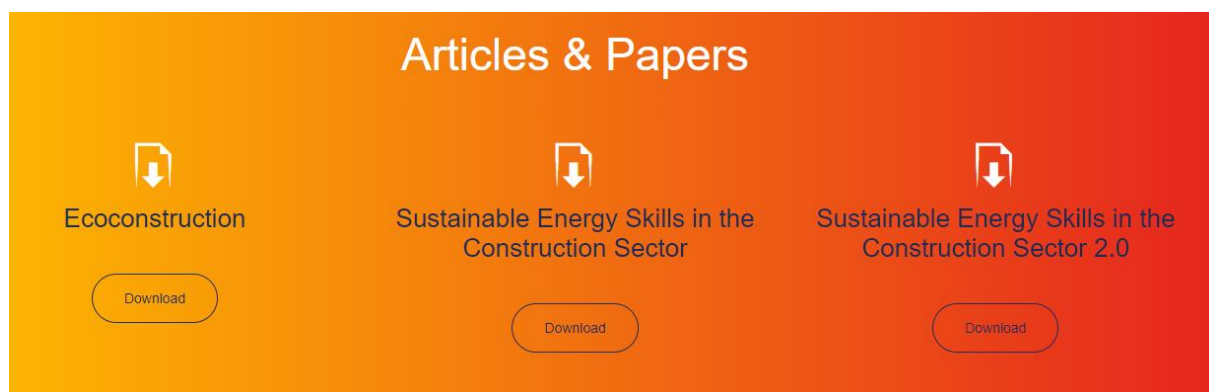
- Press release 2 – [English](#), [German](#), [Spanish](#).
- Press release 3 – [English](#), [German](#), [Spanish](#).
- Paper Sustainable Places ([English](#))
- 2nd Newsletter ([English](#))
- 3rd Newsletter ([English](#))



Likewise, HP4ALL has uploaded the following public deliverables:

- Pilot Region Regional Development Plans ([English](#))
- Policy and legislation review ([English](#))
- National and European Union training frameworks analysis ([English](#))
- Communication and dissemination plan (update M9) ([English](#))
- HP Skills and Competency Framework Draft ([English](#))

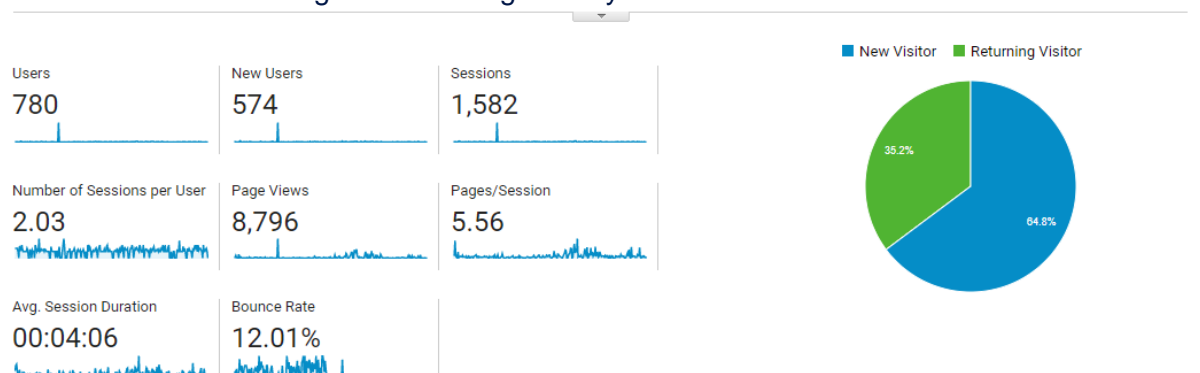
Image 14.9: Articles & papers section



In the M10-M18 period of the project, HP4ALL has gained 780 unique visitors on its website, with an average session duration of 4 minutes 6 seconds. 8,796 unique page views in total.

A common session duration is usually between 1 and 2 minutes, thus the average session of 4 minutes achieved indicates high visitor engagement and interest in the project.

Image 14.10: Google Analytics for HP4ALL's website





14.2.2 Newsletter

As mentioned in the Grant Agreement, it is expected that newsletters will be released biannually.

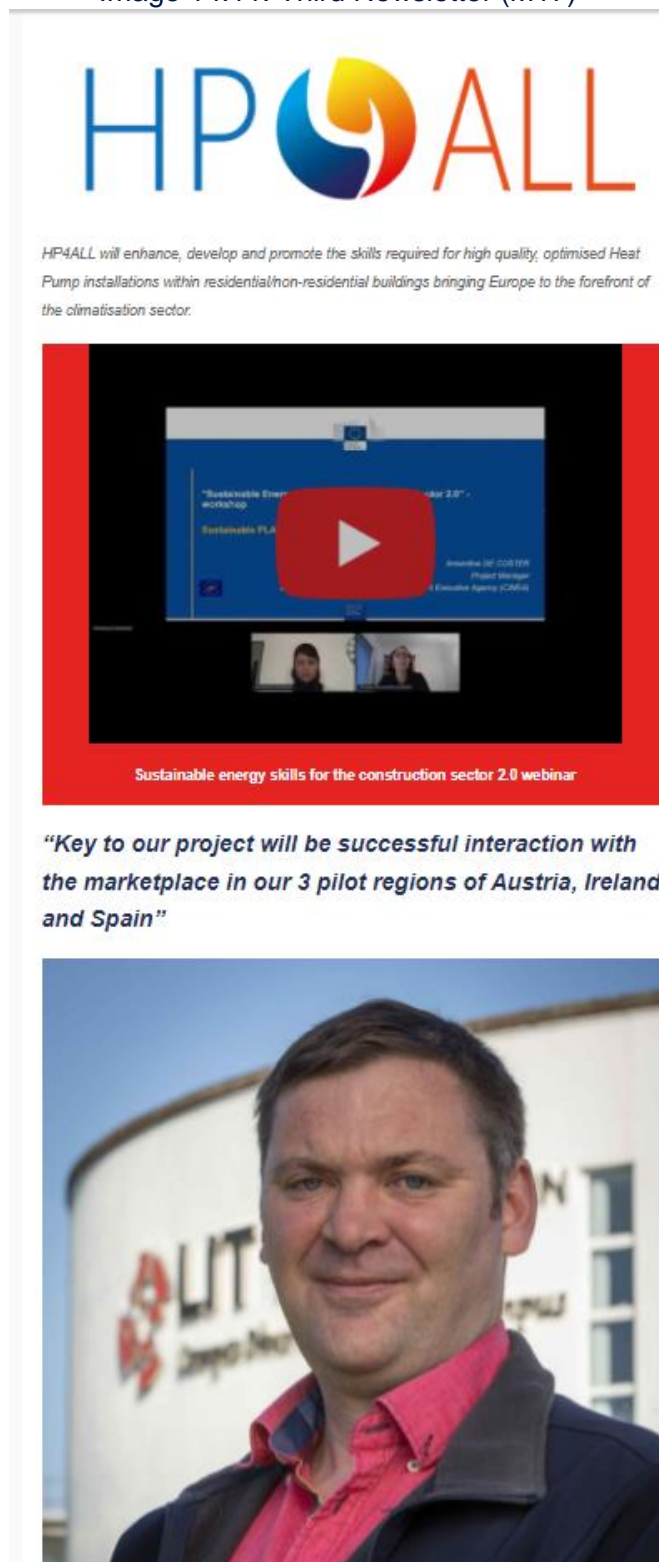
Issues number 2 and 3 were released in M10 and M17, respectively, and they included information about the project progress, reports, interviews, webinars held and clustering with related initiatives.

As of M18, the Newsletter has 275 subscribers and 205 readers. At the original communication and dissemination plan a good performance was established in more than 200 subscribers and a percentage of more than 15% readers, which HP4ALL is already obtaining.





Image 14.11: Third Newsletter (M17)



14.2.3 Social media

The first social media channels ([LinkedIn](#) and [Twitter](#)) were put in place by SIE in M1, while the [YouTube](#) platform was established once the first official [video](#) of the project was released (M5).

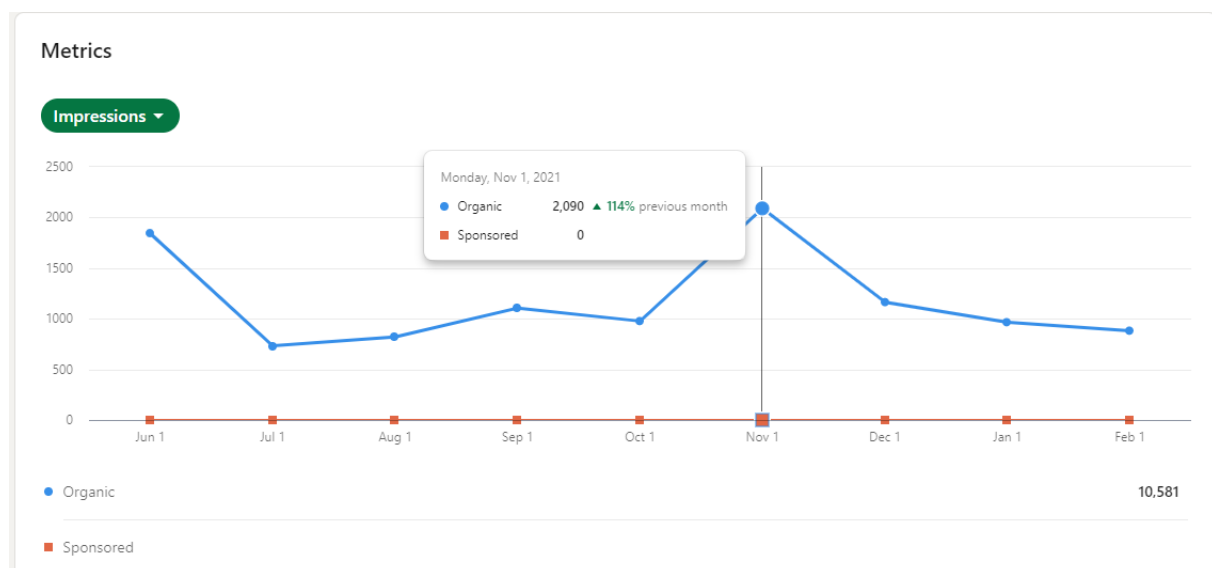
LinkedIn

HP4ALL presence in LinkedIn has reached 179 followers by M18 after 87 updates (posts).

The engagement rate of this platform (number of interactions with post -likes, comments, shares) has reached 5,25% (more than 3% is usually considered excellent performance).

The number of impressions (views) has grown during the M10-M18 period, reaching 10,581 views by February 2022.

Image 14.12: Number of Impressions for HP4ALL on LinkedIn



Twitter

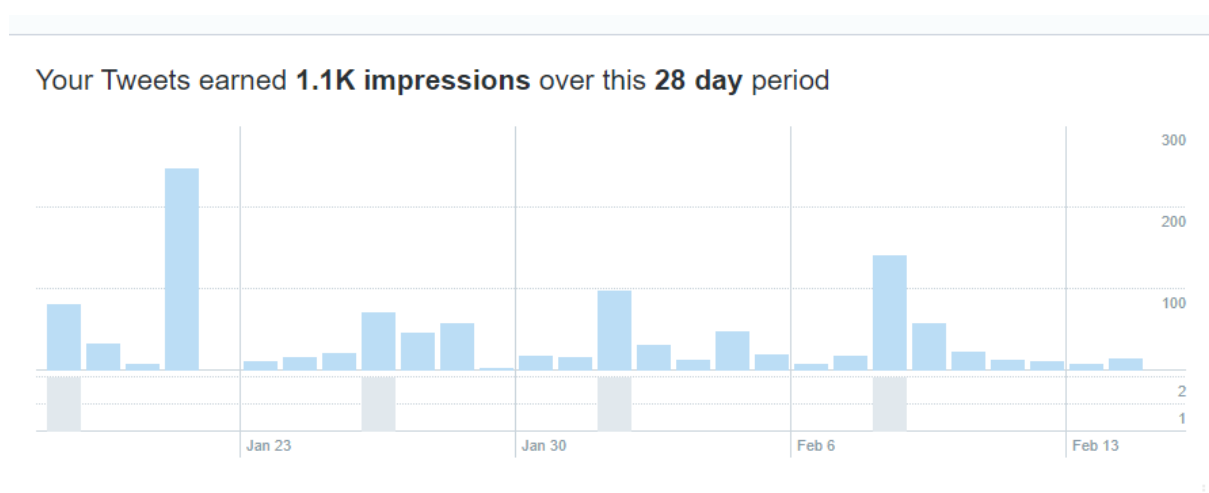
As of February 2022, HP4ALL has 135 followers on this social media channel after 214 tweets. The contents on the profile have generated 15,100 views from M10 until M18*. The current engagement rate for Twitter is 2.6% (over 0.5% is considered good performance). Some partners have been very active and supportive in this area.

*The difference between the analytics of LinkedIn and Twitter remains mainly in the nature of each of them. All the professional contacts are more frequently found on LinkedIn, while Twitter is usually more



oriented to a personal use. The interest to be on Twitter, although it frequently results in poor performance compared to LinkedIn, is the number of views that is usually higher than on LinkedIn.

Image 14.13: Number of impressions for HP4ALL on Twitter



YouTube

At least two videos were expected to be produced along the project life.

To date, HP4ALL has made five videos public, three in this period: [Sustainable Energy Skills in the construction sector Build UP webinar](#), [Deep Retrofit Community of Practice Highly ambitious regions and projects across Europe](#) and [Sustainable energy skills for the construction sector 2.0 webinar](#).

All videos have received 305 views to date.

15 Dissemination M10-M18

As stated on the Grant Agreement Article 29 “Unless it goes against their legitimate interests, each beneficiary must — as soon as possible — ‘disseminate’ its results by disclosing them to the public by appropriate means (other than those resulting from protecting or exploiting the results), including in scientific publications (in any medium).”

In compliance with this article, our partners have actively contributed to disseminating the HP4ALL project from the very beginning by different means: social media posts, attendance at conferences and shows, emailing campaigns, newsletters, press releases, etc. to good effect.



HPALL LinkedIn posts have been shared 10 times in this period and the partners were very supportive in this area. Likewise, consortium members have made 36 tweets during M10-M18 about HP4ALL and contributed to retweeting 60 times to the content shared in the official social media channels.

Some partners have accounts on other media channels (ie: [Instagram](#)) and they have disseminated the project as well over there.

Likewise, a joint [paper](#) with related initiatives was produced as part of the participation at the Sustainable Places conference, as previously explained. From their part, CTA published in the Spanish newspaper El Economista, an editorial [article](#) addressing Innovation and Skills as key for the energy efficiency in buildings and how HP4ALL can help in that objective.

As further explained in section 14.1.4, a total of 3 events were attended. Moreover, EHPA advertised the project on their corporate Newsletters:

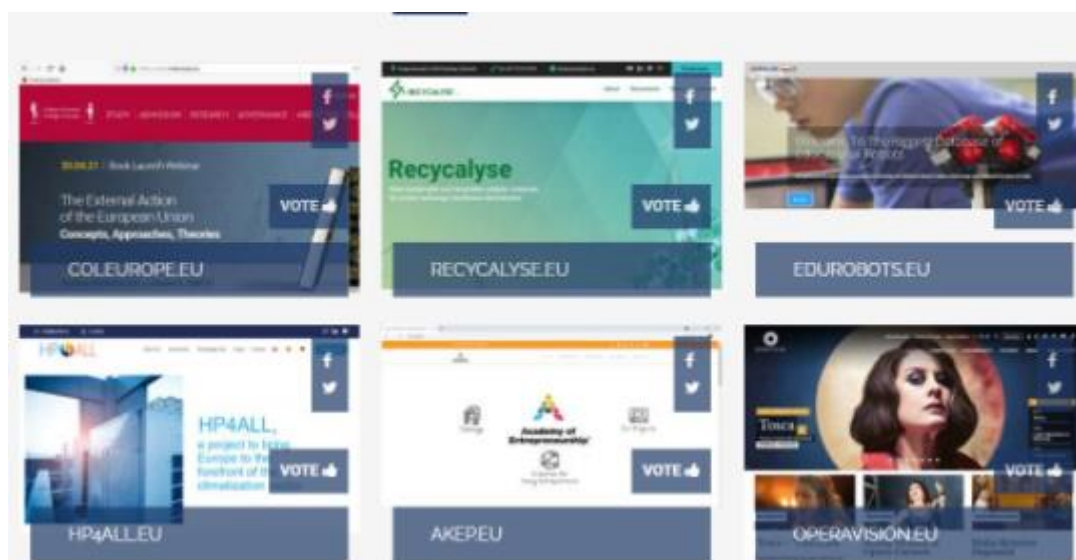
[Newsletter 1](#)

[Newsletter 2](#)

[Newsletter 3](#)

Moreover, to increase HP4ALL visibility worldwide, SIE submitted the candidacy of HP4ALL to the [.euWeb](#) international awards.

Image 15.1: HP4ALL nomination to the .eu awards



To raise awareness among relevant stakeholders on the project, HP4ALL was also showcased on different external websites, relevant to the industry: [Macarons night](#), [RHV PLATFORM](#), Sustainable Places (virtual booth during the venue and [posters](#) section), and [ENLIT](#). It was



also featured on the Celsius initiative brochure entitled **Advancing District Heating & Cooling Solutions and Uptake in European Cities.**

Likewise, partners have worked on the engagement of different stakeholders by mailing, teleconferences or phone calls, contacting, in example city councils, architects or energy consultants. It is key to highlight the work done in the definition of a common policy framework in sustainable skills for the construction sector. EHPA attended the online workshop *Establishing future-oriented training and qualification quality standards for fostering a broad uptake of sustainable energy skills in the European construction sector*, together with TRAIN4SUSTAIN to specify a common reference framework and a methodology that allow to evaluate, score and report the Level of Competence of professionals and workers with regards to specific Areas of Expertise related to energy efficiency and sustainability at building and urban scale

All this information can be found in more detail in the dissemination tables included in Annex 4.





16 Actions M19-M27

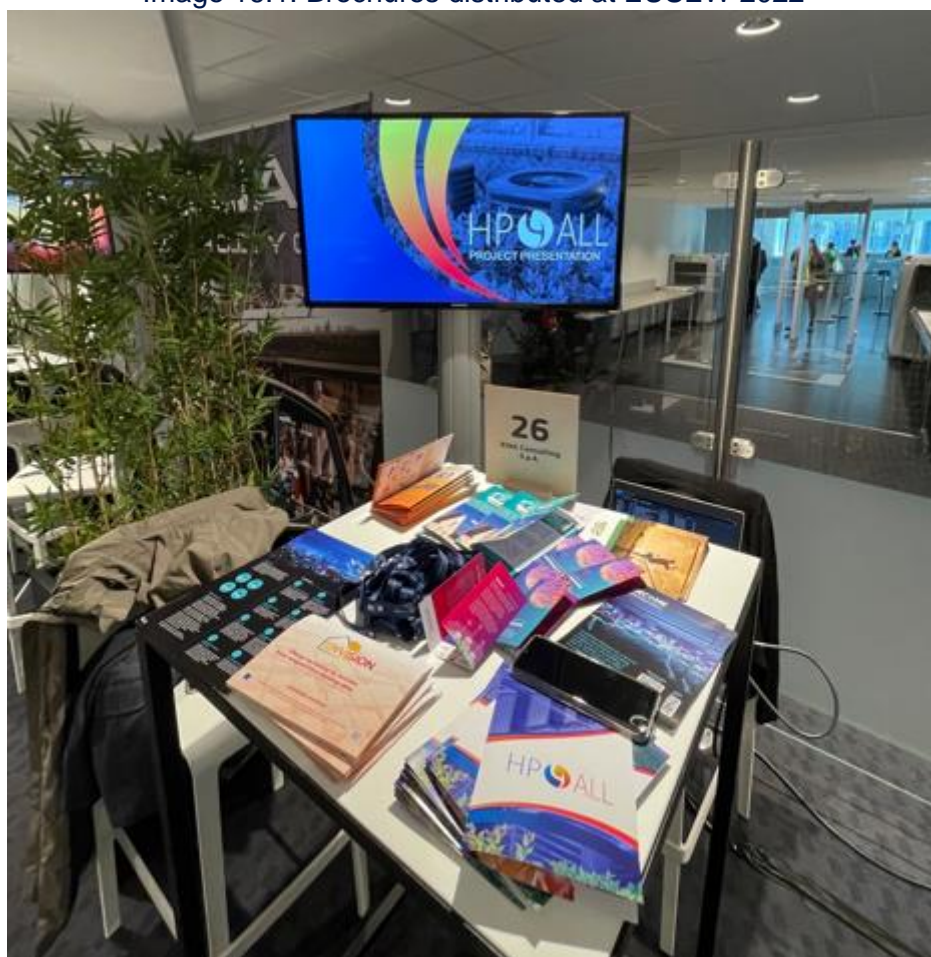
16.1 Offline actions

16.1.1 Printed materials

Even with COVID-19 restrictions over, the distribution of brochures and poster has still been affected. Nevertheless, partners were encouraged to share with stakeholders the online versions, made available on the [website](#) on its 3 languages, where more than 200 were downloaded.

In this period, thanks to the participation in face-to-face events, partners have distributed flyers in the [Mostra Convegno Expocomport](#) show, as well as at [EUSEW 2022](#).

Image 16.1: Brochures distributed at EUSEW 2022



As outlined in [sections 11.2](#) and [14.1](#) in the first and second versions of the communication plan D7.1, a first press release was issued at M1, while a second and third came at M9 and



M13, respectively. During this last period covering M19-M27, one more press release was issued in English and Spanish.

- Press release 4 – [English](#), [Spanish](#).

Image 16.2: Fourth Press Release English



HP4ALL participates in a conference at the European Sustainable Energy Week 2022

- Together with the ARISE, BUSGoCircular, BUSLeague, CrafEdu, INSTRUCT, PRO-Heritage, SEEtheSkills, TRAIN4SUSTAIN, and nZEB ready projects, HP4ALL will approach leveraging digitalisation and construction skills towards 2030 energy goals

Limerick (Ireland), August 23. **HP4ALL** (Heat Pumps for ALL), a Horizon 2020 research and innovation project that will enhance, develop and promote the **skills** required for high-quality, optimised **Heat Pump (HP) installations** within residential/non-residential buildings will be participating, on September 21, at the webinar entitled *Leveraging digitalisation and construction skills towards 2030 energy goals*, held within the framework of the European Sustainable Energy Week (**EUSEW**) conference.

Over one and half hours, from 12:00 to 13:30 CEST, HP4ALL, together with the ARISE, BUSGoCircular, BUSLeague, CrafEdu, INSTRUCT, PRO-Heritage, SEEtheSkills, TRAIN4SUSTAIN, and nZEB ready projects will analyse the current **situation of the construction market and identified needs for digitalisation** and enhanced skills to achieve 2030 energy efficiency goals, from the experience of 10 EU funded projects

The webinar will host three main introductory presentations: *How LIFE Clean Energy Transition is supporting the upskilling of building professionals* by Amandine Lacourt, Project Adviser at CINEA; *Mechanisms for matching skills and their validation* by Irini Barbero, Research Assistant at the School of Engineering of the Cardiff University; and *Digitalisation of construction as a necessary step towards a clean energy transition* by Paul McCormack, Innovation Manager at Belfast Metropolitan College.

This session focuses on instigating a discussion among the diverse group of panellists from different sectors (training, education, digitalization enablers, public procurement, industry, professional associations etc.) who will serve as the link between the skilled workforce necessary to enable energy transition and the feasibility of successful skills transition.

More information and registrations on: https://european-sustainable-energy-week.b2match.io/agenda?session=c2Vzc2lvbjoxMjMxMzk%3D&track_id=21187

The press release was delivered to more than 200 media contacts.



The total impacts for this type of communications reached 8 outlets in total, including media, consortium partners and related projects portals, as shown in Annex 5.

16.1.3 Events organised

During the M19-M27 period of the HP4ALL project, the consortium has been very active in the organisation of engagement and dissemination events. We list them below:

Table 16.3: List of events organised

NAME OF CONFERENCE	DATE	LOCATION	COMPANY	LINK
Heat pumps skills and competencies online workshop	May, 4, 2022	Online	EHPA	https://hp4all.eu/heat-pump-skills-and-competencies-online-workshop/
Training sessions with specifiers (6 sessions: Laois, Clare, Tipperary, Kilkenny, Roscommon, Carlow County Councils)	May 16, 23, 26; June 16, 28 & August 18, 2022	Ireland (County councils)	TUS	https://hp4all.eu/first-training-session-with-specifiers-in-the-irish-pilot/ HP4ALL's specifier and designer learning units for Irish professionals
Training course on renewable process heat for industry by Austrian pilot	May 17, 2022	Upper Austria	ESV	https://hp4all.eu/hp4alls-austrias-pilot-holds-a-training-course-on-renewable-process-heat-for-industry/
Suministro energético eficiente en edificación. Necesidades y oportunidades.	May 25, 2022	Online	CTA	https://www.linkedin.com/feed/update/urn:li:activity:6938081067887161344
Innovation forum on renewable heat by Austrian pilot	June 1, 2022	Upper Austria	ESV	https://hp4all.eu/innovation-forum-on-renewable-heat/
Training for energy advisors in Austria	June-July, 2022	Upper Austria	ESV	https://hp4all.eu/20-new-energy-advisors-in-upper-austria/
Comfort and energy in construction webinar series (14 sessions/ webinars)	August-September, 2022	Online	TUS	https://hp4all.eu/comfort-and-energy-in-construction-webinar-series/

NAME OF CONFERENCE	DATE	LOCATION	COMPANY	LINK
Training programmes offered by heat pump producers: installers and manufacturing personnel as the backbone of the heating transition workshop	July 11	Online	EHPA	https://www.linkedin.com/feed/update/urn:li:activity:6953365015642980352
Ambition requires action: mutual recognition agreements and the upskilling transformation	September 29, 2022	Online	EHPA, TUS, CTA	https://www.linkedin.com/feed/update/urn:li:activity:6981176643994181632
Leveraging digitalisation and construction skills.	September 21, 2022	Online	TUS, SIE	https://www.linkedin.com/feed/update/urn:li:activity:6978308901465141248
Homeowner webinar series	November 2022	Online	TUS	https://hp4all.eu/worksop/

16.1.4 Events attended

Table 16.4: List of events organised

NAME OF CONFERENCE	DATE	LOCATION	COMPANY	LINK
Technical conference: Heat and cold technologies in industrial applications in Spanish pilot	June 2, 2022	Online/ Seville	CTA	https://hp4all.eu/heat-and-cold-technologies-in-industrial-applications/
Sustainability in a changing climate workshop	March 22, 2022	Ireland	TUS	https://www.linkedin.com/feed/update/urn:li:activity:6914874083344015360
Upskilling opportunities by the Irish Regional Skills Midwest in collaboration with Tipperary Chamber.	April 26, 2022	Ireland	TUS	https://hp4all.eu/hp4all-digieco-upskilling-opportunities/
Offaly County Council Climate Action Day	September 14, 2022	Offaly County, Ireland	TUS	https://hp4all.eu/technological-university-of-the-shannon-participates-in-the-offaly-county-council-climate-action-day/



NAME OF CONFERENCE	DATE	LOCATION	COMPANY	LINK
Innovative large scale Heat Pump projects: the 3rd Innovation Fund Large-Scale Call	June 27, 2022	Online	EHPA	https://www.ehpa.org/events/#/event-details:66
Climate Awareness Day	June 22, 2022	Galway, Ireland	TUS	https://www.linkedin.com/feed/update/urn:li:activity:6942856684163796992
Workshop agreement TRAIN4SUSTAIN competence quality standard	July 1, 2022	Online	EHPA	https://www.linkedin.com/feed/update/urn:li:activity:6948611551893315584
Mostra Convengno Expocomfort	June 27, 2022	Milano, Italy	EHPA	https://www.linkedin.com/feed/update/urn:li:activity:6950021723043868672
Energy in Agriculture show, Gurteen	July 17, 2022	Typperary, Ireland	TUS	https://energyinagriculture.ie/
EUSEW 2022.	September 26-30	Brussels and online	EHPA, RINA	https://www.linkedin.com/feed/update/urn:li:activity:6980837932093874176
Rehabiliving	October 6	Seville, Spain	CTA	https://www.rehabiliving.es/
II Foro bomba de calor	October 20, 2022	Seville, Spain	CTA	https://www.linkedin.com/posts/hp4all_2%C2%BA-foro-bomba-de-calor-oportunidad-para-activity-6980419519823405056-xAfZ?utm_source=share&utm_medium=member_desktop
Chillventa 2022	October 11-13, 2022	Nuremberg, Germany	EHPA	https://www.linkedin.com/posts/hp4all_cool-heatpump-activity-6982957419656065024-Orkd?utm_source=share&utm_medium=member_desktop



16.1.4 Interaction with other EU projects

As previously developed during sections [12.1](#) and [14.1](#), HP4ALL has continued seeking for collaboration with related initiatives to boost synergies and gather as much engagement as possible.

In this M19-M27 period, HP4ALL has continued its participation within the [Horizon Results Booster](#) together with the [ARISE](#), [BUSLEAGUE](#), [CRAFTEDU](#), [INSTRUCT](#), [NZEB ready](#), [PROHERITAGE](#), [SEETHESKILLS](#) and [TRAIN4SUSTAIN](#) projects. As a result, both a [flyer](#) and a common policy brief were produced. While collaborating with EHPA projects, such as Superhomes2030 and the Heat Pump Award.

Likewise, as mentioned in the events chapter, HP4ALL was invited as part of the [Workshop](#) agreement [TRAIN4SUSTAIN](#) competence quality standard, as well as to the [TRACER](#) project workshop and [RELATED](#) project final event.

Image 16.5: Horizon Results Booster flyer



This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 891775. The contents of this publication are the sole responsibility of the project partners involved in the present activity and do not necessarily represent the view of the European Commission and its services nor of any of the other consortium partners. This deliverable should be seen as draft and will only be final after final approval by the European Commission.


























16.2 Online actions

16.2.1 Website

During this period, the Knowledge Hub section created in M9 was updated to include case studies from the three pilots and other relevant documentation. As a summary, the following documents were uploaded:

*Colour code Red= installers / suppliers Blue: homeowners / users.



Irish pilot

Topic	Link	Description of the resource
 Basic Heat Pump information		Short animation that explains what heat pumps are and how installing one could reduce energy costs in your home.
 Guide to HP for homeowners		5 page homeowners guide produced by the SEAI on heat pump systems.
 Deep retrofit Case Study including HP		Electric Ireland Superhomes Deep retrofit best practice case study (Cormac Madden & Family, Dublin).
		Electric Ireland Superhomes Deep retrofit best practice case study (Niki Byrne & Davin Larkin, Galway)
		SEAI BER Rating C1 to A3 best practice case study
 How to finance your Heat Pump (grants & green loans)		Information about the SEAI Heat Pump grant.
 SEAI Heat loss calculations tool		This tool can be used to provide a room by room heat loss calculation and for radiator sizing.
 Climate Action Plan 2021		The Climate Action Plan 2021 provides a detailed plan for taking decisive action to achieve a 51% reduction in overall greenhouse gas emissions by 2030.
 Heat Pump Association of Ireland (HPAI) Webpage		Link to HPAI website, where information produced for end-users, installers and in publications can be found. There is also a list of members of HPAI and the heat pumps sold in Ireland.
		Mother of four, Aoibheann, spent 2020 upgrading her family home and is now reaping the benefits of added comfort and lower energy bills.
		This upgrade saw a 1960 semi-detached home brought from a D2 to an A-rated home.
 How to finance your Heat Pump (grants & green loans)		Information about the SEAI Heat Pump grant.
 SEAI Heat loss calculations tool		This tool can be used to provide a room by room heat loss calculation and for radiator sizing.
 Climate Action Plan 2021		The Climate Action Plan 2021 provides a detailed plan for taking decisive action to achieve a 51% reduction in overall greenhouse gas emissions by 2030.
 Heat Pump Association of Ireland (HPAI) Webpage		Link to HPAI website, where information produced for end-users, installers and in publications can be found. There is also a list of members of HPAI and the heat pumps sold in Ireland.

Spanish pilot (residential)

	Hoja Informativa (OCU)		Hoja Informativa (OCU). Agua caliente y calefacción para mi casa con bomba de calor
	Hoja Informativa (GUNT)		Hoja Informativa (GUNT). Conocimientos básicos bombas de calor
	Hoja informativa (AFEC)		Hoja informativa (AFEC). Cualidades y beneficios de la bomba de calor
	Hoja Informativa (FECECA)		Hoja Informativa (FECECA). La Bomba de Calor. ¿El generador del futuro?
	Nota técnica IVACE		Nota técnica IVACE. Procedimientos técnicos y administrativos de instalación de bombas de calor
	Estudio de viabilidad de la UPV (TFM)		Estudio de viabilidad de la UPV (TFM). Instrucciones detalladas para la instalación de bombas de calor
	Balneario La Dama Verde en Zamora		Reposición de caldera de gas por bomba de calor
	Hotel Navacepeda de Tormes (Ávila)		Rehabilitación de antiguo molino de agua. Servicio de agua caliente sanitaria con bomba de calor
	Caso de Estudio Centro Polideportivo Madrid		Estudio viabilidad técnica y económica de la sustitución de calderas por soluciones de climatización mediante aerotermia, combinadas con sistemas de energía solar fotovoltaica para reducir su consumo eléctrico
	Caso de estudio Escuela infantil Baiona		Instalación de una bomba de calor de 52kW, de un captador geotérmico vertical en circuito cerrado con 5 perforaciones de 120m de profundidad y acumulación de inercia de 1.500 l para calefacción y producción instantánea de agua caliente sanitaria

Spanish pilot (non residential)

	Caso de estudio Irardia-Keyter		Instalación combinada fotovoltaica + bomba de calor agua-agua que proporciona calefacción, refrigeración y agua caliente. La instalación se localiza en un centro de investigación en acuicultura de la Junta de Andalucía situado en Huelva. Tiene un elevado rendimiento (SPF 6,5) y reemplaza equipos obsoletos de calefacción y refrigeración.
---	--------------------------------	---	--

Mostrando desde 1 hasta 6 de 6 registros

Austrian pilot (residential)

	Information zu Heizkesseltauschförderungen		WP-bezogene Inhalte: eine Förderübersicht für Privatpersonen beim Heizkesseltausch – Details zu Wärmepumpenförderungen
	Adieuöl – Ganz Österreich sagt Adieu Öl		Umfangreiches Informations- und AdieuÖl – Ganz Österreich sagt Adieu Öl www.adieuol.at Kampagne für den Ausstieg aus Ölheizungen – Umfangreiches Informations- und Aktivitätspaket
	Best-Practice-Beispiele		Vorstellung von Einfamilienhäusern in ÖÖ in sehr effizienter Bauweise und diversen Wärmepumpentechnologien als effiziente Heizungsanlage

Austrian pilot (non residential)

<div> <div></div> <div></div> </div>	Informationen für Unternehmen	<div> <div></div> <div>Best-Practice-Beispiele in Unternehmen – Eine Präsentation von erfolgreich umgesetzten Projekten in Unternehmen, die aufzeigen wie Energieeffizienz, erneuerbare Energie und innovative Energietechnologien u.a. mit dem Einsatz von Wärmepumpen zum Klimaschutz, aber ebenso zur Steigerung von Lebensqualität und Wettbewerbsfähigkeit beitragen.</div> </div> <div> <div></div> <div>Best-Practice-Beispiele in Unternehmen – Eine Präsentation von erfolgreich umgesetzten Projekten in Unternehmen, die aufzeigen wie Energieeffizienz, erneuerbare Energie und innovative Energietechnologien u.a. mit dem Einsatz von Wärmepumpen zum Klimaschutz, aber ebenso zur Steigerung von Lebensqualität und Wettbewerbsfähigkeit beitragen.</div> </div> <div> <div></div> <div>Energieberatung für Betriebe – Broschüre zur Unterstützung von geplanten Projekten rund um Energieeffizienz und erneuerbare Energie bspw. beim Tausch der Heizanlage auf eine Wärmepumpe</div> </div>
	Informationen für Gemeinden und öffentlichen Gebäuden	<div> <div></div> <div>Best-Practice-Beispiele in Gemeinden und öffentlichen Gebäuden – Vorstellung von Projekten in Gemeinden und öffentlichen Gebäuden in OÖ, z.B. die Umstellung Heizanlage auf effiziente Wärmepumpentechnologien</div> </div> <div> <div></div> <div>Best-Practice-Beispiele in Gemeinden und Institutionen – Eine Präsentation von erfolgreich umgesetzten Projekten in Gemeinden und Institutionen, die aufzeigen wie Energieeffizienz, erneuerbare Energie und innovative Energietechnologien u.a. mit dem Einsatz von Wärmepumpen zum Klimaschutz, aber ebenso zur Steigerung von Lebensqualität beitragen.</div> </div> <div> <div></div> <div>Überblick zu Förderungen für Gemeinden und öffentliche Gebäude – Details zur Errichtung von Wärmepumpen</div> </div>
	Informationen für Gemeinden und öffentlichen Gebäuden	<div> <div></div> <div>Energieberatung für Gemeinde – Hilfestellung bei geplanten Projekten zur Steigerung von Energieeffizienz und erneuerbarer Energie, die ferner beim Einbau von Wärmepumpen hilfreich sind.</div> </div>

Workshops

27 webinars' recording were uploaded in the period M19-M27 to this Knowledge Hub [sub section](#).

Image 16.6: HP4ALL's Knowledge Hub workshop section

Leveraging digitalisation and construction skills towards 2030 energy goals.



Ambition requires action mutual recognition agreements and the upskilling transformation.



Regarding the News section, 14 posts (in English and Spanish) and 2 in German about the project outcomes, participation of the consortium partners in events and other relevant milestones have been uploaded since the submission of the latest communication plan:

<https://hp4all.eu/hp4all-digieco-upskilling-opportunities/>

<https://hp4all.eu/heat-pump-skills-and-competencies-online-workshop/>

<https://hp4all.eu/first-training-session-with-specifiers-in-the-irish-pilot/>

<https://hp4all.eu/hp4alls-austrias-pilot-holds-a-training-course-on-renewable-process-heat-for-industry/>

<https://hp4all.eu/hp4alls-specifier-and-designer-learning-units-for-irish-professionals/>

<https://hp4all.eu/heat-and-cold-technologies-in-industrial-applications/>

<https://hp4all.eu/innovation-forum-on-renewable-heat/>

<https://hp4all.eu/new-edition-of-hp4alls-newsletter-available/>

<https://hp4all.eu/hp4all-meets-in-person-for-the-first-time/>



<https://hp4all.eu/20-new-energy-advisors-in-upper-austria/>

<https://hp4all.eu/technological-university-of-the-shannon-participates-in-the-offaly-county-council-climate-action-day/>

<https://hp4all.eu/comfort-and-energy-in-construction-webinar-series/>

<https://hp4all.eu/hp4all-participates-second-edition-spanish-heat-pump-forum/>

<https://hp4all.eu/upper-austria-become-certified-heat/>

Image 16.7: Example website post

HP4ALL meets in person for the first time

News

July 12, 2022



With the pandemic restrictions lifting after one and a half years, the HP4ALL consortium was able to meet face-to-face for the first time and discuss the achievements to date and the future work ahead.

On May 19 in Brussels (Belgium), results on the knowledge hub were presented, as well as the progress of the benchmarking tool. HP4ALL's pilot regions (Austria, Ireland, Spain) updated on the engagement events and progress achieved to date.

Likewise, several discussions were held about the competency framework.

Finally, the partners pointed out the importance of the continuous collaboration with related initiatives, which is already ongoing with the participation in joint events, as well as, in terms of policy recommendations.



Furthermore, during the M19-M27 of the project, the following files have been uploaded to the Document section:

- Press release 4 – [English](#), [Spanish](#).
- Newsletter 4 - [English](#)
- Newsletter 5 - [English](#)
- Flyer Horizon Results Booster - [English](#)

Likewise, HP4ALL has uploaded the following public deliverables:

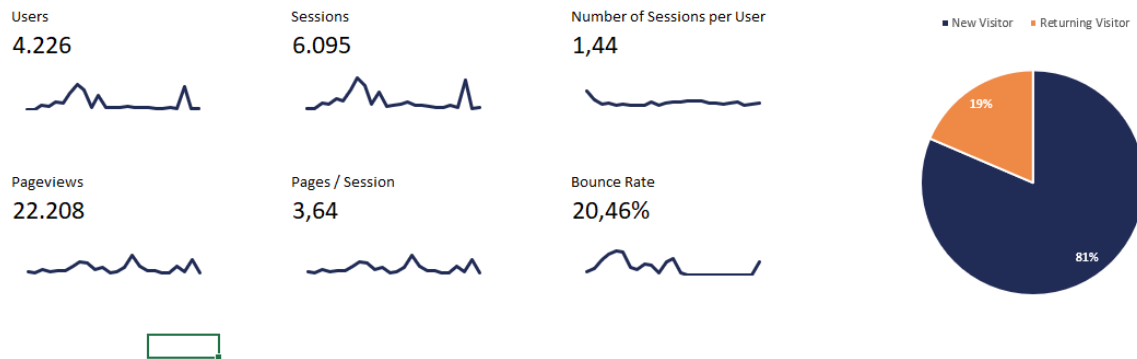
- [Policy and legislation review \(English\)](#) – resubmitted after RP1
- National and European Union training frameworks analysis ([English](#)) – resubmitted after RP1
- Communication and dissemination plan (update M18) ([English](#))

Image 16.8: Reports section



In the M19-M27 period of the project, HP4ALL has gained 989 unique visitors on its website, with an average session duration of 2 minutes 55 seconds. 5,882 unique page views in total.

Image 16.9: Consolidated Analytics for HP4ALL's website (M3-M27)



16.2.2 Newsletter

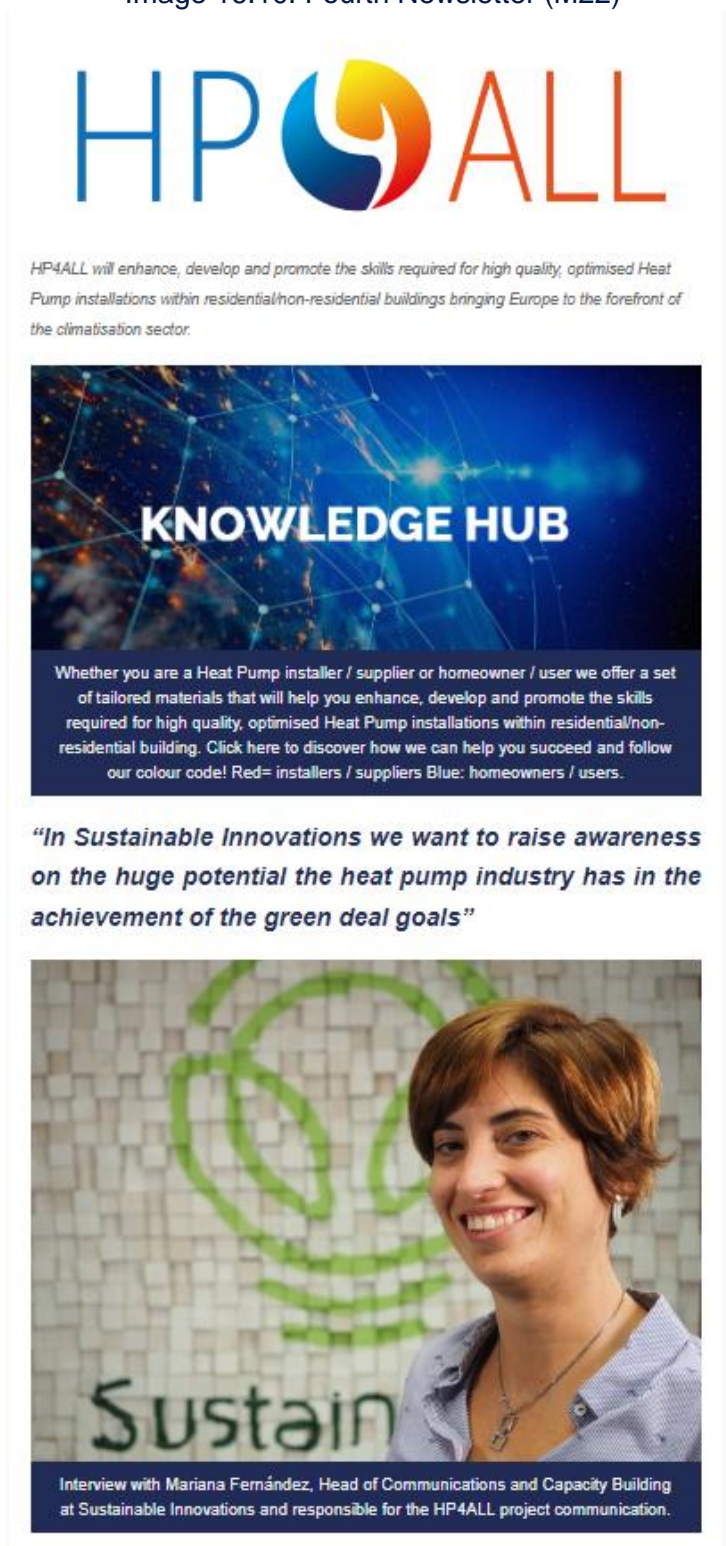
As mentioned in the Grant Agreement, it is expected that newsletters will be released biannually.

Issue number 4 was released in M22, and it included information about the first meeting face-to-face, an interview, two reports, a peer-reviewed article and links to several webinars and engagement events held, while issue N5 announced the final event, informed about the latest workshops held and provided information on relevant documents produced by the project.

As of M27, the Newsletter has 267 subscribers and 350 readers on Mailchimp, while it has obtained 846 views on LinkedIn and 875 on Twitter, respectively, which makes a total of 1,995 views. At the original communication and dissemination plan a good performance was established in more than 200 subscribers and a percentage of more than 15% readers, while in the DoA, it was written HP4ALL should obtain 1,500 views, which HP4ALL has already achieved.



Image 16.10: Fourth Newsletter (M22)



16.2.3 Social media

The first social media channels ([LinkedIn](#) and [Twitter](#)) were put in place by SIE in M1, while the [YouTube](#) platform was established once the first official [video](#) of the project was released (M5).

LinkedIn

HP4ALL presence in LinkedIn has reached 264 followers by M27 after 166 updates (posts).

The engagement rate of this platform (number of interactions with post -likes, comments, shares) has reached 5,8% (more than 3% is usually considered excellent performance).

The number of impressions (views) has grown during the M19-M27 period, reaching 14,239 views by November 2022.

Image 16.11: Number of Impressions for HP4ALL on LinkedIn



Twitter

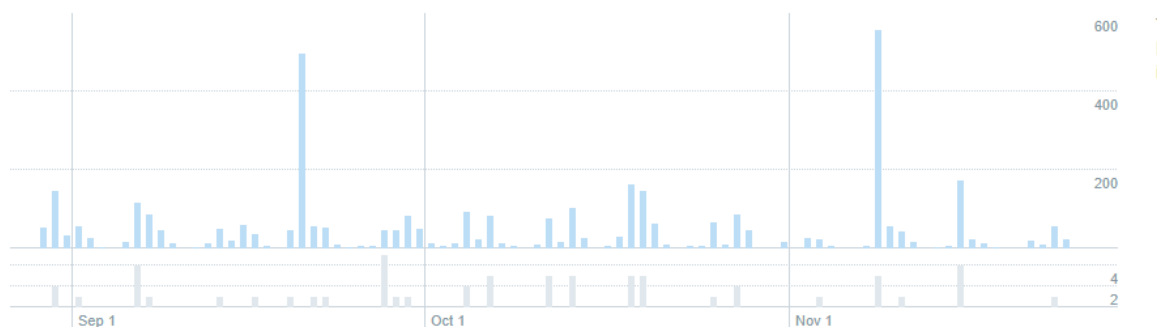
As of November 2022, HP4ALL has 162 followers on this social media channel after 387 tweets. The contents on the profile have generated 10,700 views from M19 until M27*. The current engagement rate for Twitter is 4.8% (over 0.5% is considered good performance). Some partners have been very active and supportive in this area.

*The difference between the analytics of LinkedIn and Twitter remains mainly in the nature of each of them. All the professional contacts are more frequently found on LinkedIn, while Twitter is usually more oriented to a personal use. The interest to be on Twitter, although it frequently results in poor performance compared to LinkedIn, is the number of views that is usually higher than on LinkedIn.



Image 16.12: Number of impressions for HP4ALL on Twitter

Your Tweets earned **3.9K impressions** over this **89 day** period



YouTube

At least two videos were expected to be produced along the project life.

To date, HP4ALL has made 32 videos public, 27 in this period:

- [Heat pump skills and competencies a comprehensive framework](#)
- [Suministro energético eficiente en edificación Efficiency energy supply in buildings \(Spanish\)](#)
- [HP4ALL: Training programmes offered by Heat Pump producers](#)
- [Comfort & energy in construction webinar series. Nearly Zero Energy Building](#)
- [Comfort & energy in construction webinar series. Heat pumps overview](#)
- [Comfort & energy in construction webinar series. Heat Pump & Refrigerants](#)
- [Comfort & energy in construction webinar series. SEAI Heat Pump Grant inspection](#)
- [Comfort & energy in construction webinar series. Heat emission systems](#)
- [Comfort & energy in construction webinar series. Pipe sizing with Heat Pumps](#)
- [Comfort & Energy in Construction Webinar Series. Heat Loss Calculations & DEAP Software](#)
- [Comfort & Energy in Construction Webinar Series. Insulation](#)
- [Comfort & Energy in Construction Webinar Series. Retrofit Management](#)
- [Comfort & Energy in Construction Webinar Series. Circular Economy and Construction Waste](#)
- [Comfort & Energy in Construction Webinar Series. Airtightness](#)
- [Comfort & Energy in Construction Webinar Series. Ventilation](#)
- [Comfort & Energy in Construction Webinar Series. Refrigeration & Air Conditioning](#)
- [Comfort & Energy in Construction Webinar Series. Customer handover](#)
- [Leveraging digitalisation and construction skills towards 2030 energy goals](#)
- [Ambition requires action mutual recognition agreements and the upskilling transformation](#)
- [HP4ALL Homeowner Webinar 1: f Nearly Zero Energy Buildings \(NZEB\)](#)
- [HP4ALL Homeowner Webinar Series 2: Deep Retrofit](#)
- [HP4ALL Homeowner Webinar 3: Unipipe](#)
- [HP4ALL Homeowner Webinar 4: Grant](#)
- [HP4ALL Homeowner Webinar 5: Daikin](#)
- [HP4ALL Homeowner Series 6: Heat Pumps Ireland](#)





- [HP4ALL Homeowner Webinar 7: Unitherm](#)

All videos have received 2,365 views to date.

17 Dissemination M19-M27

As stated on the Grant Agreement Article 29 “Unless it goes against their legitimate interests, each beneficiary must — as soon as possible — ‘disseminate’ its results by disclosing them to the public by appropriate means (other than those resulting from protecting or exploiting the results), including in scientific publications (in any medium).”

In compliance with this article, our partners have actively contributed to disseminating the HP4ALL project from the very beginning by different means: social media posts, attendance at conferences and shows, emailing campaigns, newsletters, press releases, etc. to good effect.

HP4ALL LinkedIn posts have been shared 37 times in this period and the partners were very supportive in this area. Likewise, consortium members have made 8 tweets during M19-M27 about HP4ALL and contributed to retweeting 104 times to the content shared in the official social media channels.

Some partners have accounts on other media channels (ie: [Instagram](#)) and they have disseminated the project as well over there.

For example, TUS was involved in more than 30 phone calls, online and offline meetings and participation in other related projects events to disseminate HP4ALL in Ireland (full detail can be found as part of [Annex 6](#): dissemination tables M19-M27).

Likewise, TUS contributed to the dissemination by uploading both the Comfort and energy in construction webinar series and the Homeowner series to their [YouTube](#) channel.

From their side, EHPA, apart for its huge activity on socials management, event organisation and promotion, was part of the [EHPA R&I committee](#), where Dan Stefanica took the opportunity to speak about HP4ALL. While also being presented at the EHPA Manufacturing Committee and EHPA National Heat Pump Associations meetings

All this information can be found in more detail in the dissemination tables included in Annex 6.



18 ANNEX 1: Impact on media outlets and other relevant websites M1-M9

ABC SEVILLA

Audience ABC SEVILLA 67,000 unique visitors

<https://sevilla.abc.es/contenidopromocionado/2020/12/09/cta-capta-mas-de-ocho-millones-de-euros-de-fondos-europeos-en-tres-anos/?ref=https%3A%2F%2Fwww.google.com%2F>

AGENDA EMPRESA

Audience Agenda Empresa: 23,500 month

<https://www.agendaempresa.com/116448/sustainable-innovations-y-cta-lideraran-region-piloto-espanola-proyecto-europeo-HP4All/>

https://twitter.com/Agenda_Empresa/status/1308425861536907271

ANDALUCIA ES DIGITAL

Audience Andalucía es digital: Unknown

https://www.linkedin.com/posts/andaluciaesdigital_cta-y-sustainable-innovations-lideran-en-activity-6716999598746943488--70I

APP DIMENSIONS

Audience APP DIMENSIONS: Unknown

<https://app.dimensions.ai/details/grant/grant.9066056>

APP SWAPCARD

Audience APP SWAPCARD: Unknown

<https://app.swapcard.com/event/enlit-europe/exhibitor/RXhoaWJpdG9yXzMwNjg2Mg%3D%3D>

ASOCIACIÓN DE EMPRESAS DE EFICIENCIA ENERGÉTICA

Audience Asociación de empresas de eficiencia energética: Unknown

<https://www.asociacion3e.org/noticia/proyecto-HP4All-incentivara-las-bombas-de-calor-a-nivel-europeo>

ASOCIACIONES FUNDACIONES ANDALUZAS

Audience Asociaciones Fundaciones Andaluzas: unknown



<https://www.afandaluzas.org/sustainable-innovations-y-cta-lideran-la-region-piloto-espanola-en-el-proyecto-europeo-HP4All-de-innovacion-en-climatizacion/>

BE ENERGY

Audience Be Energy: 20,000 subscribers

<https://beenergy.es/sustainable-innovations-y-cta-lideran-la-region-piloto-espanola-en-el-proyecto-europeo-HP4All-de-innovacion-en-climatizacion/>

BUILD UP

Audience BUILD UP: unknown

<https://www.buildup.eu/en/news/HP4All-project-bring-europe-forefront-climatization-sector>

<https://www.buildup.eu/en/explore/links/HP4All-project>

BUSLEAGUE

Audience BUSLEAGUE: unknown

<https://busleague.eu/busleague-on-sustainable-places-2020/>

<https://busleague.eu/links/>

CORDIS EUROPA

Audience Cordis 350,000 visitors / month

<https://cordis.europa.eu/article/id/422265-HP4All-a-project-to-bring-europe-to-the-forefront-of-the-climatization-sector>

<https://cordis.europa.eu/event/id/149220-HP4All-part-of-the-sustainable-energy-skills-for-the-construction-sector-webinar>

CTA

Audience CTA: unknown

<https://www.corporaciontecnologica.com/en/sala-de-prensa/noticias/CTA-and-SUSTAINABLE-INNOVATIONS-lead-the-Spanish-pilot-region-in-HP4ALL-a-European-innovation-project-in-climatisation/>

<https://www.corporaciontecnologica.com/en/area-internacional/proyectos-europeos/HP4All/>

ECOCONSTRUCCIÓN

Audience Ecoconstrucción: unknown

<http://www.ecoconstruccion.net/articulos-online/HP4All-eficiencia-energetica-a-partir-de-bombas-de-calor-de-alta-calidad-5KtB5>





ES EFICIENCIA

Audience Es eficiencia 24, 568 unique visitors in October 2020. 8,529 followers on Twitter

<https://www.eseficiencia.es/2020/10/02/proyecto-europeo-HP4All-impulsara-instalacion-bombas-calor-edificios>

<https://twitter.com/ESEFICIENCIA/status/1311913730658238465>

EUROPA PRESS

Audience Europa Press: 11,315,169 visitors in December, 2019

<https://www.europapress.es/epagro/noticia-cta-sustainable-innovations-lideran-espana-proyecto-piloto-europeo-bombas-calor-eficiencia-energetica-20200922133948.html>

IDEAL

Audience Ideal: unknown

<https://www.ideal.es/granada/capta-fondos-europeos-20201125193431-nt.html>

INSTRUCT PROJECT

Audience Instruct Project: unknown

<https://instructproject.eu/2020/11/17/instruct-on-sustainable-places-2020/>

<https://instructproject.eu/2020/07/23/instruct-during-sustainable-places-2020/>

https://instructproject.eu/2020/12/14/sustainable_energy_skills_article/

<https://instructproject.eu/2021/02/15/elementor-2430/>

INTEREMPRESAS

Audience Interempresas: 1,537,314 unique visitors September 2020

<https://www.interempresas.net/Instaladores/Articulos/314389-EI-proyecto-europeo-HP4All-busca-la-innovacion-en-climatizacion.html>

<http://www.interempresas.net/Flipbooks/IN/588/html5forpc.html>

JUNTA DE ANDALUCÍA

Audience Junta de Andalucía 1,539, 218 visits web on 2020.

<https://twitter.com/AndaluciaJunta/status/1311950300132061185>

LA RAZÓN ANDALUCÍA

Audience La Razón 12,824, 258 unique visitors September 2020

<https://www.larazon.es/andalucia/20200922/u2uewniyljge7nck2srnmuytze.html>

LA VANGUARDIA ANDALUCIA





Audience [La Vanguardia.com](https://www.lavanguardia.com): 1,200,000 visitors / month

<https://www.lavanguardia.com/local/sevilla/20200922/483627071299/cta-y-sustainable-innovations-lideran-en-espana-un-proyecto-piloto-europeo-de-bombas-de-calor-y-eficiencia-energetica.html>

LIMERICK INSTITUTE OF TECHNOLOGY

Audience Limerick Institute of Technology: unknown

<https://lit.ie/en-IE/Research-Development/Development/Energy/HP4ALL>

RHC PLATFORM

Audience RHC: unknown

<https://www.rhc-platform.org/meet-padraic-oreilly-the-new-chair-of-the-heat-pump-technology-panel/>

RINA

Audience RINA: unknown

<https://www.rina.org/en/media/CaseStudies/HP4All>

SOLAR NEWS

Audience Solar News: unknown

https://www.solarnews.es/solarnews_internacional/2021/05/21/sustainable-energy-skills-in-the-construction-sector/?utm_source=rss&utm_medium=rss&utm_campaign=sustainable-energy-skills-in-the-construction-sector

SUSTAINABLE INNOVATIONS

Audience Sustainable Innovations: 6,326 visits web 2020

<https://www.sustainableinnovations.eu/sustainable-innovations-cta-lead-spanish-pilot-region/>

SUSTAINABLE PLACES

Audience Sustainable Places: unknown

https://www.sustainableplaces.eu/HP4All_presentation-sp2020/

THE NZEBROADSHOW PROJECT

Audience The NZEB Roadshow: unknown

<https://www.nzebreadshow.eu/partners.html>





TYNDALL INSTITUTE

Audience Tyndall Institute: unknown

<https://www.tyndall.ie/funded-programmes/HP4All-heat-pumps-skills-for-nzeb-construction/>

TRAIN4SUSTAIN

Audience TRAIN4SUSTAIN: unknown

<https://train4sustain.eu/links>

WARTEPOMP PLATFORM

Audience Wartepomp platform: unknown

<https://warmtepomp.ode.be/nl/artikel/888/HP4All-een-project-om-europa-op-de-voorgond-te-brengen-in-de-sector-van-de-klimatisatie>





19 ANNEX 2: Dissemination tables M1-M9



TYPE OF ACTIVITY	MAIN LEADER /AUTHORS	TITLE	DATE	PLACE	NUMBER OF STAKEHOLDERS REACHED TOTAL NUMBER	LINK TO WEBSITE /SOCIAL MEDIA	OPEN ACCESS	BRIEF DESCRIPTION
Social media post	Seamus Hoyne	Sustainable Places Workshop	29/10/2020	LinkedIn	996	https://www.linkedin.com/feed/update/urn%3Ali%3Aactivity%3A6723178672620146688/?actorCompanyId=65413883	Yes	
Presentation	Seamus Hoyne	Sustainable Places Workshop		LinkedIn	1021	https://www.linkedin.com/feed/update/urn%3Ali%3Aactivity%3A6727230080646492160/?actorCompanyId=65413883	Yes	
Social media post	Seamus Hoyne	Sustainable Places Workshop		LinkedIn	996	https://www.linkedin.com/feed/update/urn%3Ali%3Aactivity%3A6723671578153955328/?actorCompanyId=65413883	Yes	
Social media post	LIT	Sustainable Places Workshop		Twitter	573	https://twitter.com/RDI_at_LIT/status/1318842042907348993	Yes	
Social media post	Seamus Hoyne	Sustainable Places Workshop		Twitter	0	https://twitter.com/shoyne/status/1315569632187609088	Yes	
Social media post	Seamus Hoyne	Sustainable Places Workshop		Twitter	837	https://twitter.com/RDI_at_LIT/status/1312084888309428224	Yes	
Presentation	Seamus Hoyne	SEAI R&D Conference		on-line	996	https://www.linkedin.com/feed/update/urn%3Ali%3Aactivity%3A6732035588284825600/?actorCompanyId=65413883	Yes	
Social media post	Seamus Hoyne	SEAI R&D Conference	01/12/2020 09/12/2020 09/12/2020	Twitter	985	https://twitter.com/shoyne/status/1326848076758339584	Yes	
Social media post	Seamus Hoyne	SEAI R&D Conference		Twitter	985	https://twitter.com/shoyne/status/1324041408857186305	Yes	
Social media post	Seamus Hoyne	SEAI R&D Conference		Twitter	985	https://twitter.com/shoyne/status/1315569632187609088	Yes	
Discussion Panel	Seamus Hoyne	EPHA RHC National Roundtable		on-line	100		Yes	
PResentation	Seamus Hoyne	Build Up Skills Networking Event		on-line	0		Yes	
PResentation	Seamus Hoyne	Build Up Skills Contractors Meeting		on-line	0		Yes	
Social media post	Seamus Hoyne	Build Up Skills Contractors Meeting		LinkedIn	996	https://www.linkedin.com/feed/update/urn%3Ali%3Aactivity%3A6742719424039596032/?actorCompanyId=65413883	Yes	
Social media post	Seamus Hoyne	Build Up Skills Contractors Meeting		LinkedIn	996	https://www.linkedin.com/feed/update/urn%3Ali%3Aactivity%3A6742787429448634368/?actorCompanyId=65413883	Yes	
Social media post	Seamus Hoyne	HP4ALL official video		LinkedIn	996	https://www.linkedin.com/feed/update/urn%3Ali%3Aactivity%3A6745607652665040896/?actorCompanyId=65413883	Yes	
Social media post	Seamus Hoyne	End users survey		LinkedIn	996	https://www.linkedin.com/feed/update/urn%3Ali%3Aactivity%3A6752877737918234624/?actorCompanyId=65413883	Yes	

Social media post	Seamus Hoyne	Interview Jo		LinkedIn	996	https://www.linkedin.com/feed/update/urn%3Ali%3Aactivity%3A6775018128976998400/?actorCompanyId=65413883	Yes
Social media post	Seamus Hoyne	Drivers & barriers heat pumps		LinkedIn	996	linkedin.com/feed/update/urn%3Ali%3Aactivity%3A6778225864757846016/?actorCompanyId=65413883	Yes
Social media post	Seamus Hoyne	HP4ALL on ENLIT		LinkedIn	996	https://www.linkedin.com/feed/update/urn%3Ali%3Aactivity%3A6782978064012914688/?actorCompanyId=65413883	Yes
Social media post	Seamus Hoyne	HP4ALL SC		LinkedIn	996	https://www.linkedin.com/feed/update/urn%3Ali%3Aactivity%3A6785896834834477056/?actorCompanyId=65413883	Yes
Social media post	Seamus Hoyne	Supporting retrofit journey webinar		LinkedIn	996	https://www.linkedin.com/feed/update/urn%3Ali%3Aactivity%3A6786300104165928960/?actorCompanyId=65413883	Yes
Social media post	Seamus Hoyne	Supporting retrofit journey webinar		LinkedIn	996	https://www.linkedin.com/feed/update/urn%3Ali%3Aactivity%3A6788561404761829376/?actorCompanyId=65413883	Yes
Social media post	LIT	Supporting retrofit journey webinar		Twitter	479	https://twitter.com/RDI_at_LIT/status/1384463290881830915	Yes
Social media post	Seamus Hoyne	Supporting retrofit journey webinar		Twitter	978	https://twitter.com/RDI_at_LIT/status/1382634971819614209	Yes
Social media post	Seamus Hoyne	Supporting retrofit journey webinar		Twitter	985	https://twitter.com/shoyne/status/1380537801347829761	Yes
Outreach Focus Group	Stephen Murphy	Expert Survey Dissemination	14/01/21 - 18/01/21	Email / Phone	27	Email Threads Available	Yes
	Padraic O'Reilly	Expert Focus Group	03/02/2021	MS Teams	6	Meeting Minutes available	Yes
Outreach	Stephen Murphy	Training Providers Survey Dissemination	12/04/21 - 16/04/21	Email / Phone	16	Email Threads Available	Yes
Interview	Stephen Murphy	Training Provider Interviews (Grant Engineering)	21/03/21	MS Teams	2	Minutes of Meeting	Yes
Interview	Stephen Murphy	Training Provider Interviews (ECAC Refridgeration)	22/03/21	MS Teams	1	Minutes of Meeting	Yes
Interview	Stephen Murphy	Training Provider Interviews (Dundalk IT)	23/04/21	MS Teams	2	Minutes of Meeting	Yes

TYPE OF ACTIVITY	MAIN LEADER /AUTHORS	TITLE	DATE	PLACE	NUMBER OF STAKEHOLDERS REACHED TOTAL NUMBER	LINK TO WEBSITE /SOCIAL MEDIA	OPEN ACCESS	BRIEF DESCRIPTION
Post social media	RINA-C	Innovative tools to deliver nearly zero-energy buildings thanks to heat pumps	nov-20	LinkedIn	62	https://www.linkedin.com/feed/update/urn%3Ali%3Aactivity%3A6722614781574029312/?actorCompanyId=65413883	Yes	Repost of the HP4ALL account
Post social media	RINA-C		02-dic-20	Twitter	1900	https://twitter.com/RINA1861/status/1334163653566803969	Yes	English post in the official RINA Twitter account
Case Study	RINA-C		26-nov-20	Online (RINA website)	1900	https://www.rina.org/en/media/CaseStudies/HP4all	Yes	Case study about the project both in English and Italian

TYPE OF ACTIVITY	MAIN LEADER /AUTHORS	TITLE	DATE	PLACE	NUMBER OF STAKEHOLDERS REACHED TOTAL NUMBER	LINK TO WEBSITE /SOCIAL MEDIA	OPEN ACCESS	BRIEF DESCRIPTION
Press release	SIE	SUSTAINABLE INNOVATIONS Y CTA LIDERAN LA REGIÓN PILOTO ESPAÑOLA EN EL PROYECTO EUROPEO HP4ALL DE INNOVACIÓN EN CLIMATIZACIÓN	22, October, 2020	Online	118	-	Yes	Press release in Spanish in colaboration with CTA
Post website Spanish	SIE	SUSTAINABLE INNOVATIONS Y CTA LIDERAN LA REGIÓN PILOTO ESPAÑOLA EN EL PROYECTO EUROPEO HP4ALL DE INNOVACIÓN EN CLIMATIZACIÓN	22, October, 2020	Online	50	https://www.sustainableinnovations.eu/es/sustainable-innovations-cta-lideran-region-piloto/	Yes	Post in Spanish
Post website English	SIE	SUSTAINABLE INNOVATIONS AND CTA LEAD THE SPANISH PILOT REGION IN HP4ALL, A EUROPEAN INNOVATION PROJECT IN CLIMATISATION	22, October, 2020	Online	300	https://www.sustainableinnovations.eu/sustainable-innovations-cta-lead-spanish-pilot-region/	Yes	Post in English
Post social media	SIE	SUSTAINABLE INNOVATIONS Y CTA LIDERAN LA REGIÓN PILOTO ESPAÑOLA EN EL PROYECTO EUROPEO HP4ALL DE INNOVACIÓN EN CLIMATIZACIÓN	22, October, 2020	Linkedin	1000	https://www.linkedin.com/feed/update/urn:li:activity:6714114144250945537	Yes	Post in Spanish
Post social media	SIE	SUSTAINABLE INNOVATIONS AND CTA LEAD THE SPANISH PILOT REGION IN HP4ALL, A EUROPEAN INNOVATION PROJECT IN CLIMATISATION	22, October, 2020	Linkedin	4658	https://www.linkedin.com/feed/update/urn:li:activity:6714114630530170881	Yes	Post in English

Post social media		SUSTAINABLE INNOVATIONS Y CTA LIDERAN LA REGIÓN PILOTO ESPAÑOLA EN EL PROYECTO EUROPEO HP4ALL DE INNOVACIÓN EN CLIMATIZACIÓN	22, October, 2020	Twitter	548	https://twitter.com/SustainableInnE/status/1308350096145371137	Yes	Responsibilites within the project
Post social media	SIE	SUSTAINABLE INNOVATIONS Y CTA LIDERAN LA REGIÓN PILOTO ESPAÑOLA EN EL PROYECTO EUROPEO HP4ALL DE INNOVACIÓN EN CLIMATIZACIÓN	22, October, 2020	Instagram	369	https://www.instagram.com/p/Cfb2gfVCsUO/	Yes	Responsibilites within the project
Post social media	SIE	Participation in KOM	October, 7	Linkedin	4771	https://www.linkedin.com/posts/sustainable-innovations-europe_innovation-consulting-sustainable-innovations-activity-6719494852364558336-cJB4	Yes	SIE's participation in KoM
Post social media	SIE	Participation in KOM	October, 7	Twitter	564	https://twitter.com/SustainableInnE/status/1313729374869389319	Yes	SIE's participation in KoM
Post social media	SIE	Participation in KOM	October, 7	Instagram	374	https://www.instagram.com/p/CGCcmFNHiD5/	Yes	SIE's participation in KoM
Post social media	SIE	End user survey Spanish	December,18	Linkedin	4949	https://www.linkedin.com/feed/update/urn%3Ali%3Aactivity%3A6745595193728229376/?actorCompanyId=65413883	Yes	End user survey Spanish
Post social media	SIE	Information about the GA meeting	April 2021	Linkedin	5517	https://www.linkedin.com/feed/update/urn%3Ali%3Aactivity%3A6785141185213190144/?actorCompanyId=65413883	Yes	Information on M6 meeting
Post social media	SIE	Information about the GA meeting	April 2021	Twitter	637	https://twitter.com/SustainableInnE/status/1379375786755563521	Yes	Information on M6 meeting

TYPE OF ACTIVITY	MAIN LEADER /AUTHORS	TITLE	DATE	PLACE	NUMBER OF STAKEHOLDERS REACHED TOTAL NUMBER	LINK TO WEBSITE /SOCIAL MEDIA	OPEN ACCESS	BRIEF DESCRIPTION
Social Media	CTA Development Consultant	CTA and SUSTAINABLE INNOVATIONS lead the Spanish region in the HP4ALL project	Sep-20	LinkedIn	902 connections	https://www.linkedin.com/feed/update/urn%3Ali%3Aactivity%3A6715168330992373760/?actorCompanyId=65413883	Yes	Press release about the project shared on social media
Social Media	CTA	CTA and SUSTAINABLE INNOVATIONS lead the Spanish region in the HP4ALL project	Sep-20	LinkedIn	3.481 followers	https://www.linkedin.com/feed/update/urn:li:activity:6718879231536836608?updateEntityUrn=urn%3Ali%3Afs_feedUpdate%3A%28V2%2Curn%3Ali%3Aactivity%3A6718879231536836608%29	Yes	Press release about the project shared on social media
Social Media	CTA	CTA and SUSTAINABLE INNOVATIONS lead the Spanish region in the HP4ALL project	Sep-20	Twitter	6200 followers	https://twitter.com/CTAndalucia/status/1310875724836941824	Yes	Press release about the project shared on social media (Twitter EN profile)
Social Media	CTA	HP4ALL KOM (first session)	Sep-20	Twitter	700 followers	https://twitter.com/CTAndaluciaENG/status/1310519812976713728		
Press Release	CTA	CTA and SUSTAINABLE INNOVATIONS lead the Spanish region in the HP4ALL project	Sep-20	CTA website	45 views	https://www.corporaciontecnologica.com/es/sala-de-prensa/comunicados/CTA-y-SUSTAINABLE-INNOVATIONS-lideran-la-region-piloto-espanola-en-el-proyecto-europeo-HP4ALL-de-innovacion-en-climatizacion/	Yes	Press release about the start of the project
Website	CTA	Project description	Sep-20	CTA website	74 views	https://www.corporaciontecnologica.com/es/area-internacional/proyectos-europeos/hp4all/	Yes	Project description (Spanish)
Website	CTA	Project description	Sep-20	CTA website	9 views	https://www.corporaciontecnologica.com/en/area-internacional/proyectos-europeos/hp4all/index.html	Yes	Project description (English)
Press Release	CTA	CTA and SUSTAINABLE INNOVATIONS lead the Spanish region in the HP4ALL project	Sep-20	CTA website	10 views	https://www.corporaciontecnologica.com/en/sala-de-prensa/comunicados/CTA-and-SUSTAINABLE-INNOVATIONS-lead-the-Spanish-pilot-region-in-HP4ALL-a-European-innovation-project-in-climatisation/	Yes	Press release about the start of the project
Social Media	CTA	CTA and SUSTAINABLE INNOVATIONS lead the Spanish region in the HP4ALL project	Oct-20	Twitter	6200 followers	https://twitter.com/CTAndalucia/status/1313018611892711426	Yes	Press release about the project shared on social media (Twitter ES profile)
Social Media	CTA	CTA and SUSTAINABLE INNOVATIONS lead the Spanish region in the HP4ALL project	Oct-20	Twitter	700 followers	https://twitter.com/CTAndaluciaENG/status/1311974226065268738	Yes	Press release about the project shared on social media (Twitter EN profile)

Social Media	CTA Development Consultant	Article about energy efficiency	Oct-20	LinkedIn	902 connections	https://www.linkedin.com/feed/update/urn%3Ali%3AugcPost%3A6730033120126476289/?actorCompanyId=65413883	Yes	Press release from CTA about HP4ALL and energy efficiency
Social Media	CTA Innovation Consultant	About HP4ALL CTA and SUSTAINABLE INNOVATIONS lead the Spanish region in the HP4ALL project	Oct-20	LinkedIn	966 connections	https://www.linkedin.com/feed/update/urn%3Ali%3Aactivity%3A6731455246259900416/?actorCompanyId=65413883	Yes	Shared HP4ALL content
Newsletter	CTA	HP4ALL KOM (second session)	Oct-20	mailing (Mailchimp)	1341 opens	https://mailchi.mp/corporaciontecnologica/boletin-proyecta-actualidad-innovacion-1503952?e=[UNIQID]	Yes	Press release about the start of the project
Social Media	CTA Development Consultant	HP4ALL website	Nov-20	LinkedIn	902 followers	https://www.linkedin.com/posts/rociodelarosa_heatpumps-capacity-skills-activity-6719563267062165504-xoBg	Yes	About the kick-off meeting
Social Media	CTA	Article about energy efficiency	Nov-20	Twitter	700 followers	https://twitter.com/CTAndaluciaENG/status/1326438620811694081	Yes	Shared content about the HP4ALL website
Social Media	CTA Development Consultant	Article about energy efficiency	Nov-20	Twitter	310 followers	https://twitter.com/rociorosaCTA/status/1324292600921280512	Yes	Press release from CTA about HP4ALL and energy efficiency
Social Media	CTA Development Consultant	Article about energy efficiency	Jan-21	LinkedIn	902 connections	https://www.linkedin.com/posts/rociodelarosa_ecoconstruccionoctubre2020pdf-activity-6754722578360766464-od5H	Yes	Shared content about an HP4ALL press release
Social Media	CTA Development Consultant	End User Question Survey (ES)	Jan-21	LinkedIn	902 connections	https://www.linkedin.com/feed/update/urn%3Ali%3Aactivity%3A6755557173088129024/?actorCompanyId=65413883	Yes	Shared content about the End User Survey for the Spanish market
Social Media	CTA	End User Question Survey (ES)	Jan-21	LinkedIn	3481 followers	https://www.linkedin.com/feed/update/urn:li:activity:6757241440763465728?updateEntityUrn=urn%3Ali%3Afs_feedUpdate%3A%28V2%2Curn%3Ali%3Aactivity%3A6757241440763465728%29	Yes	Press release about the End User Survey for the Spanish market
Newsletter	CTA	End User Question Survey (ES)	Jan-21	mailing (Mailchimp)	1341 opens	http://www.corporaciontecnologica.com/export/sites/cta/.galleries/Galeria-de-boletines-digital/Boletin-ProyeCTA-95.pdf	Yes	Press release about HP Trainers survey for the Spanish market
Social Media	CTA Development Consultant	Interview about HP4ALL	Mar-21	LinkedIn	902 connections	https://www.linkedin.com/feed/update/urn%3Ali%3Aactivity%3A6771019037859172353/?actorCompanyId=65413883	Yes	Interview about HP4ALL goals and objectives
Social Media	CTA	World Energy Efficiency Day	Mar-21	Twitter	700 followers	https://twitter.com/CTAndaluciaENG/status/1367819394324250624	Yes	About CTA's participation in projects related to energy efficiency

Social Media	CTA	World Energy Efficiency Day	Mar-21	Twitter	6200 followers	https://twitter.com/CTAndalucia/status/1367818420436295680	Yes	About CTA's participation in projects related to energy efficiency
Social Media	CTA	Interview about HP4ALL	Mar-21	Twitter	700 followers	https://twitter.com/CTAndaluciaENG/status/1367399527297204224	Yes	Interview about HP4ALL goals and objectives
Social Media	CTA Development Consultant	Interview about HP4ALL	Mar-21	Twitter	310 followers	https://twitter.com/rocirososCTA/status/1364534353745870848	Yes	Interview about HP4ALL goals and objectives
Social Media	CTA	Interview about HP4ALL	Mar-21	LinkedIn	3481 followers	https://www.linkedin.com/posts/ctandalucia_one-of-the-main-objectives-of-hp4all-is-activity-6771056803804438528-coml/	Yes	Interview about HP4ALL goals and objectives
Social Media	CTA Development Consultant	HP Trainers survey	Apr-21	LinkedIn	902 connections	https://www.linkedin.com/feed/update/urn%3Ali%3Aactivity%3A6791278167207235584/?actorCompanyId=65413883	Yes	HP Trainers survey for the Spanish market
Social Media	CTA Development Consultant	HP Trainers survey	Apr-21	LinkedIn	902 connections	https://www.linkedin.com/feed/update/urn%3Ali%3AugcPost%3A6793114169777389568/?actorCompanyId=65413883	Yes	HP Trainers survey for the Spanish market
Social Media	CTA HR Responsible	HP Trainers survey	Apr-21	LinkedIn	500 connections	https://www.linkedin.com/feed/update/urn%3Ali%3AugcPost%3A6793419996325257216/?actorCompanyId=65413883	Yes	HP Trainers survey for the Spanish market
Press Release	CTA	HP Trainers survey	Apr-21	CTA website	28 views	https://www.corporaciontecnologica.com/es/sala-de-prensa/comunicados/Participa-en-la-encuesta-de-HP4ALL-para-identificar-las-barreras-de-la-implantacion-de-bombas-de-calor-en-Europa/	Yes	Press release about HP Trainers survey for the Spanish market
Newsletter	CTA	HP Trainers survey	Apr-21	mailing (Mailchimp)	1403 opens	https://mailchi.mp/corporaciontecnologica/boletin-proyecto-actualidad-innovacion-1504300?e=[UNIQID]	Yes	Press release about the End User Survey for the Spanish market
Social Media	CTA HR Responsible	HP Trainers survey	May-21	LinkedIn	500 connections	https://www.linkedin.com/feed/update/urn%3Ali%3AugcPost%3A6793419996325257216/?actorCompanyId=65413883	Yes	Press release about HP Trainers survey for the Spanish market
Social Media	CTA	HP Trainers survey	May-21	Twitter	6200 followers	https://twitter.com/CTAndalucia/status/138990274436283187?s=20	Yes	Press release about HP Trainers survey for the Spanish market
Social Media	CTA	HP Trainers survey - last days	May-21	Twitter	6200 followers	https://twitter.com/CTAndalucia/status/1392064992774610946?s=20	Yes	Press release about HP Trainers survey for the Spanish market

Press Release	CTA	End User Question Survey (ES)	Apr-21	40 views	https://www.corporaciontecnologica.com/es/sala-de-prensa/comunicados/Participa-en-la-encuesta-del-proyecto-HP4ALL-para-evaluar-la-aceptacion-de-bombas-de-calor/	Yes	Press release about the End User Survey for the Spanish market
---------------	-----	-------------------------------	--------	----------	---	-----	--

TYPE OF ACTIVITY	MAIN LEADER /AUTHORS	TITLE	DATE	PLACE	NUMBER OF STAKEHOLDERS REACHED TOTAL NUMBER	LINK TO WEBSITE /SOCIAL MEDIA	OPEN ACCESS	BRIEF DESCRIPTION
Post Social Media	EHPA		02.09.2020	Twitter	2793 followers	https://twitter.com/helloheatpumps/status/1301136045577302018	Yes	Post announcing project
Post Social Media	Dan Stefanica		02.09.2020	Linkedin	2447 Followers	https://www.linkedin.com/feed/update/urn:li:activity:6706898485423206401	Yes	Post presenting project
Post social media	Dan Stefanica		23.09.2020	Linkedin	2447 Followers	https://www.linkedin.com/posts/european-heat-pump-association_innovation-consulting-sustainable-innovations-activity-6714433933355872256--lhj	Yes	Post for presentation of the project as well as announcement of partners that take part on it
Post Social media	Dan Stefanica		29.09.2020	Linkedin	2447 Followers	https://www.linkedin.com/feed/update/urn%3Ali%3Aactivity%3A6716754596435521536/?actorCompanyId=65413883	Yes	Post announcing kick-off meeting of the project
Post Social media	Dan Stefanica		29.09.2020	Linkedin	more than 500 connections	https://www.linkedin.com/feed/update/urn%3Ali%3Aactivity%3A6716755085847883776/?actorCompanyId=65413883	Yes	Post announcing kick-off meeting of the project
Post Social Media	EHPA		10.11.2020	Twitter	2793 followers	https://twitter.com/helloheatpumps/status/1326202227531378688	Yes	Presentation website
Post Social media	Dan Stefanica		10.11.2020	Linkedin	2447 Followers	https://www.linkedin.com/feed/update/urn:li:activity:6731966977373458432	Yes	Presentation website
Post social media	Dan Stefanica		27.11.2020	Linkedin	2793 followers	https://www.linkedin.com/feed/update/urn:li:activity:6738012223060418561	Yes	Announcement survey for Building owners and managers of residential and non-residential buildings
Post Social Media	Dan Stefanica		10.12.2020	Linkedin	2447 followers	https://www.linkedin.com/feed/update/urn:li:activity:6742791250031763457	Yes	Post related to the presentation of HP4All at the BUILDUP Skills event
Post Social Media	Dan Stefanica		15.12.2020	Linkedin	2447 followers	https://www.linkedin.com/feed/update/urn:li:activity:6744533993829543936	Yes	Presentation HP4ALL first newsletter
Post Social Media	Dan Stefanica		17.12.2020	Linkedin	2447 Followers	https://www.linkedin.com/feed/update/urn:li:activity:6745346431546114049	Yes	Presentation video HP4ALL developed by SIE
Post Social Media	Irene Egea Saiz		20.01.2021	Linkedin	2447 Followers	https://www.linkedin.com/feed/update/urn:li:activity:6757593298220703745	Yes	Announcement Experts' survey
Post Social Media	Irene Egea Saiz		20.01.2021	Twitter	2793 followers	https://twitter.com/helloheatpumps/status/1351830581852712961	Yes	Announcement Experts' survey
Post Social Media	Irene Egea Saiz		27.01.2021	Twitter	2793 followers	https://twitter.com/helloheatpumps/status/1354407543490146310	Yes	Announcement Experts' survey
Post Social Media	Irene Egea Saiz		27.01.2021	Linkedin	2447 followers	https://www.linkedin.com/feed/update/urn:li:activity:6760237150601568256	Yes	Announcement Experts' survey
Presentation	Dan Stefanica	Presentation of project and opportunities for stakeholder and training expert group members	04.11.2020	Online: EHPA R&I Committee 5th meeting	24	https://www.ehpa.org/about/team/committees-and-chairs/research-and-innovation-ri-committee/	Yes	The Research and Innovation Committee meets 4 times per year. Some of its meetings will be coupled either with Project calls that are open/opening (e.g. Horizon 2020, upcoming Horizon Europe, EC tenders) or with EHPA project events (e.g. the Renewable Heating and Cooling (RHC) platform - Heat Pump Technology Panel (TP))

								On the 29th of October 2020 from 10:30 to 12:00 CET EHPA hosted the fourth episode of our series 'EHPA Project Talks' with the session on "Training and re-training all along the value chain", in which four innovative initiatives that strive for fostering new skills in the energy sector were presented. Along with HP4All in the introduction of the online session
			29.10.2020		113 registrations. A total of 51 unique viewers and 74 total users (counting people that disconnected and connected again)			More in details: Welcome speech, by Irene Egea Saiz (EHPA) "HVAC value chain: New challenges request new skills"- CEN-CE Project, by Johann Zirngibi (CSTB) "Project Heat4Cool: Training the next generation of HVAC professionals", by Serena Scotton (EHPA) "Heat Pump Design Skills and Training Proposal" - GeoAtlantic Project, by Richard Cochrane (University of Exeter) "Skills4Climate: improving climate-related skills for Electrical contractors across Europe", by Julie Beaufils (Europe-On)
Presentation	Dan Stefanica	Presentation of project and opportunities for stakeholder and training expert group members		Online: EHPA 4th Projects webinar 'Training and re-training all along the value chain'		https://calendar.time.ly/bogh8vfz/event/62916000/20201029103000	Yes	
Post Website	Irene Egea Saiz		01.09.2020	EHPA Website		https://www.ehpa.org/projects/	Yes	Addition of Project logo on EHPA website
Post Newsletter	EHPA		05.10.2020	EHPA Weekly Wrap Up	680 subscribers to member list	https://mailchi.mp/d6fb7465a20d/ehpa-weekly-wrap-up-report-9569029?e=92c58425f8	Yes	Sharing of project press release on EHPA weekly newsletter
Post Newsletter	EHPA		12.10.2020	EHPA Weekly Wrap Up	680 subscribers to member list	https://mailchi.mp/a3c982b4ed5e/ehpa-weekly-wrap-up-report-9574729?e=7cadafbedf	Yes	Sharing of project press release on EHPA weekly newsletter
Post Newsletter	EHPA		14.12.2020	EHPA Weekly Wrap Up	680 subscribers to member list	https://mailchi.mp/37c4898e7e38/ehpa-weekly-wrap-up-report	Yes	Sharing of project survey on EHPA weekly newsletter
Post Newsletter	EHPA		11.01.2021	EHPA Weekly Wrap Up	680 subscribers to member list	https://mailchi.mp/9a8bf3e2820b/ehpa-weekly-wrap-up-report-9633429?e=92c58425f8	Yes	Sharing of project survey on EHPA weekly newsletter
Post Newsletter	EHPA		18.01.2021	EHPA Weekly Wrap Up	680 subscribers to member list	https://us4.campaign-archive.com/?u=bfc2e18bc7b091b9b2f6c30f9&id=obdcc8ab1f&e=7cadafbedf	Yes	Sharing of project survey on EHPA weekly newsletter
Invitation	EHPA	Share your thoughts on HP4ALL Expert's Survey	20.01.2021	EHPA Projects Newsletter	680 subscribers to member list & 2943 subscribers to external list	https://mailchi.mp/d7ab330378c2/virtual-tour-at-factory-zero-presentations-recording-9640757?e=7cadafbedf	Yes	Dedicated newsletter for project survey
Post Newsletter	EHPA		25.01.2021	EHPA Weekly Wrap Up	680 subscribers to member list	https://us4.campaign-archive.com/?u=bfc2e18bc7b091b9b2f6c30f9&id=c7e57abfd3&e=92c58425f8	Yes	Sharing of project survey on EHPA weekly newsletter
Invitation	EHPA	Share your thoughts on HP4ALL Expert's Survey	27.01.2021	EHPA Projects Newsletter	680 subscribers to member list	https://mailchi.mp/8292dacc395d/virtual-tour-at-factory-zero-presentations-recording-9644877?e=92c58425f8	Yes	Dedicated newsletter for project survey
Post Social Media	Dan Stefanica		24.03.2021	Linkedin	More than 500 Connections	https://www.linkedin.com/feed/update/urn%3Aactivity%3A6780087958855831552/?actorCompanyId=65413883	Yes	
Post Newsletter	EHPA	Share your thoughts on HP4ALL Training Providers' Survey	29.03.2021	EHPA Weekly Wrap Up	1293 subscribers to member list	https://us4.campaign-archive.com/?u=bfc2e18bc7b091b9b2f6c30f9&id=71cf1966d0&e=92c58425f8	Yes	

TYPE OF ACTIVITY	MAIN LEADER /AUTHORS	TITLE	DATE	PLACE	NUMBER OF STAKEHOLDERS REACHED	LINK TO WEBSITE /SOCIAL MEDIA	OPEN ACCESS	BRIEF DESCRIPTION
					TOTAL NUMBER			
Sharing of project press release on IERC website, LinkedIn and Twitter channels	Andreea Le Cam		oct-20	IERC website		http://www.ierc.ie/news/hp4all-a-project-to-bring-europe-to-the-forefront-of-the-climatization-sector/		
Re-sharing social media posts for the KOM	Andreea Le Cam		oct-20	LinkedIn	996 connections on LinkedIn			
Sharing of Project Kick-off meeting			17-nov	Twitter	1532 followers			
Sharing of project press release on LinkedIn	Vanda Barsic			LinkedIn	996 connections on LinkedIn	https://www.linkedin.com/posts/ierc-international-energy-research-centre-b5448185_our-project-just-had-its-first-https://www.linkedin.com/feed/update/urn%3Ali%63Aactivity%3A6738129257861578752/?actorCompanyId=65413883		
User Survey post about experiences with heatpumps	IERC			LinkedIn	664 followers on Twitter			
User Survey post about experiences with heatpumps	IERC			LinkedIn	600 followers in LinkedIn	https://www.linkedin.com/feed/update/urn%3Ali%63Aactivity%3A6739580193083670528/?actorCompanyId=65413883		
User Survey post about experiences with heatpumps	IERC			LinkedIn	600 followers in LinkedIn	https://www.linkedin.com/posts/ierc-international-energy-research-centre_sustainable-energy-skills-in-the-construction-activity-6722138668011679744-79PV/		
Re-sharing Survey post from IERC's post	Jo Southernwood			LinkedIn	276 Followers in LinkedIn	https://www.linkedin.com/posts/josouthernwood_report-of-best-practice-initiatives-designed-to-increase-the-skills-in-the-energy-sectorpdf-activity-6765637976283328512-WSQ7		
Sharing HP4ALL's Post on animated video presentation	IERC			LinkedIn	600 followers in LinkedIn			
Sharing HP4ALL's article in Spanish on HP4ALL	IERC			LinkedIn	600 followers in LinkedIn			
Sharing HP4ALL's post for LIT's engagement	IERC			LinkedIn	600 followers in LinkedIn			
IERC Retweeting announcement of HP4ALL opting for the GlobalInnovationAward	IERC		05-ene	Twitter	1532 followers			
Social media post	IERC	SEAls policy insight	February 2021	LinkedIn	617		yes	Repost corporate account
Social media post	Jo Southernwood	Review best practices HP	february 2021	LinkedIn	285			



20 ANNEX 3: Impact on media outlets and other relevant websites M10-M18

BUILD UP

Audience BUILD UP: unknown

<https://www.buildup.eu/en/events/HP4All-holds-sustainable-energy-skills-construction-sector-20-webinar>

CALENDAR TIME

Audience Calendar time: unknown

<https://calendar.time.ly/bogh8vf2/event/65569519>

CORDIS EUROPA

Audience Cordis 350,000 visitors / month

https://cordis.europa.eu/event/rcn/149220_en.html

https://ec.europa.eu/info/events/sustainable-energy-skills-construction-sector-20-workshop-2021-sep-28_en

CLUSTER COLLABORATION

Audience Cluster collaboration: unknown

<https://clustercollaboration.eu/community-news/cta-presents-advances-european-project-HP4All-eu-green-week-partner-event>

FEDARENE

Audience Fedarene: unknown

<https://fedarene.org/event/deep-retrofit-community-of-practice-highly-ambitious-regions-and-projects-across-europe/>

SOLAR NEWS

Audience Solar News: unknown





https://www.solarnews.es/2021/06/07/webinario-rehabilitacion-energetica-integral-de-edificios-regiones-y-proyectos-destacados-en-europa/?utm_source=rss&utm_medium=rss&utm_campaign=webinario-rehabilitacion-energetica-integral-de-edificios-regiones-y-proyectos-destacados-en-europa





21 ANNEX 4: Dissemination tables M10-M18



TYPE OF ACTIVITY	MAIN LEADER /AUTHORS	TITLE	DATE	PLACE	NUMBER OF STAKEHOLDERS REACHED TOTAL NUMBER	LINK TO WEBSITE /SOCIAL MEDIA	OPEN ACCESS	BRIEF DESCRIPTION
Social Media post	Seamus Hoyne	Webinar Sharing: Sustainable Energy Skills in the construction sector	may-21	LinkedIN	2,190 connections	https://www.linkedin.com/feed/update/urn%3Ali%3Aactivity%3A6800689465481338880/?actorCompanyId=65413883	Yes	Great to have Limerick Institute of Technology led HP4ALL project cooperating with other #H2020 projects to focus on construction skills. Register now for the event on the 27th of May. DASBE SuperHomes Ireland FEDARENE aisbl
Social Media post	Seamus Hoyne	Webinar Sharing: Sustainable Energy Skills in the construction sector	may-21	LinkedIN	2,190 connections	https://www.linkedin.com/feed/update/urn%3Ali%3AugcPost%3A6801825058869313536/?actorCompanyId=65413883	Yes	
Social Media post	Seamus Hoyne	Post on Webinar	may-21	LinkedIN	2,190 connections	https://www.linkedin.com/feed/update/urn%3Ali%3AugcPost%3A6803751261867970560/?actorCompanyId=65413883	Yes	Enjoyed the opportunity to present some of the outcomes from our review of #bestpractice initiatives to support Heat Pump skills. The clear message from all skills projects who presented today was 1)coordination needed 2) measuring competence is important 3) digital tools support up/reskilling 4) demonstration initiatives are still vital. Keep up to date with HP4ALL and other projects via #buildup portal
Social Media post	Seamus Hoyne	Post on EHPA Webinar	May 20th 2021	Twitter	1,014 followers	https://twitter.com/shoyne/status/1395438014311145475	Yes	
Social Media post	TUS Research, Development & innovation	Post on Deep retrofit community of practice online seminar	June 02nd 2021	Twitter	632 followers	https://twitter.com/RDI_at_LIT/status/1400075190818775040	Yes	We are looking forward to taking part in the upcoming "Deep Retrofit Community of Practice: Highly ambitious regions & projects across Europe" Online Seminar!
Social Media post	Seamus Hoyne	Post on Micheal O Shea on end user demand.	ago-21	LinkedIN	2,190 connections	https://www.linkedin.com/posts/seamus-hoyne_increasing-end-user-knowledge-will-help-activity-6835317485688954880-KATB	Yes	<i>Increasing end user knowledge will help create the conditions that drive demand for highly skilled designers installers and commissioners of heat pumps</i>
Social Media post	TUS Research, Development & innovation	Post on Micheal O Shea on end user demand.	August 24th 2021	Twitter	632 followers	https://twitter.com/RDI_at_LIT/status/1430095994545389568	Yes	Check out Senior Project Officer with the Development Unit, Michael O'Shea's interview with @heatpumps4all
Social Media post	Seamus Hoyne	Post on Thomas Nowaks Post	sep-21	LinkedIN	2,190 connections	https://www.linkedin.com/feed/update/urn%3Ali%3Aactivity%3A6839517937427103744/?actorCompanyId=65413883	Yes	interesting point Thomas Nowak . so for Ireland we also need to plan now for the replacement activity in years to come. Important for training and planning purposes HP4ALL Electric Ireland SuperHomes
Social Media post	Gloria Callinan	Re-post of HP4ALL Sustainable Energy skills in the construction sector 2.0	sep-21	LinkedIN	997 connections	https://www.linkedin.com/feed/update/urn%3Ali%3AugcPost%3A6840956870912475136/?actorCompanyId=65413883	Yes	
Stakeholder Interview	Benny McDonagh	Darren O'Dwyer & Kieran Malone Tipp Co Co	oct-21	Phone Call	2		Yes	
Stakeholder Interview	Benny McDonagh	Mel Reynolds-Architect	oct-21	Phone Call	1		Yes	
Stakeholder Interview	Benny McDonagh	Mike Kelly-M&E Consultant	oct-21	Phone Call	1		Yes	
Stakeholder Interview	Benny McDonagh	Mark O'Rian : Part-time lecturer @CIT & RUA Architects	oct-21	Phone Call	1		Yes	
Stakeholder Interview	Benny McDonagh	Peter Mulvihill Dublin County Council	nov-21	Phone Call	1		Yes	
Stakeholder Interview	Benny McDonagh	Rachel-JOT Energy	nov-21	Phone Call	1		Yes	
Stakeholder Interview	Benny McDonagh	Shane Colclough: PHAI Passive House Association of Ireland	nov-21	Phone Call	1		Yes	
Stakeholder Interview	Benny McDonagh	Martin Walsh-Developer	nov-21	Phone Call	1		Yes	
Stakeholder Interview	Stephen Murphy	Interview with Alan Brogan Galway County Council	21/10/2021	Phone Call	1		Yes	
Stakeholder Interview	Stephen Murphy	Jason Murphy of Clare County Council, Senior Executive Officer,		Phone Call				
Stakeholder Interview	Stephen Murphy	Shannon Municipal District - Economic Development	05/11/2021		1		Yes	
Stakeholder Interview	Stephen Murphy	Interview with Adrian Headd, Senior Executive Engineer in the Housing department for Clare Co Co.	09/11/2021	Phone Call	1		Yes	
Stakeholder Interview	Stephen Murphy			Phone Call			Yes	
Social Media post	Seamus Hoyne	Event ESV	January 2022	LinkedIN	2208	https://www.linkedin.com/feed/update/urn:li:share:6877974796982878208/?actorCompanyId=65413883	Yes	Repost from corporate account
Social Media post	TUS Research, Development & innovation	Report analysis European and national heat pump upskill policies	January 2022	LinkedIN	63	https://www.linkedin.com/feed/update/urn:li:share:6876481304507027457/?actorCompanyId=65413883	Yes	Repost from corporate account



ER /AUTHORS		TITLE	DATE	PLACE	NUMBER OF STAKEHOLDERS REACHED TOTAL NUMBER	LINK TO WEBSITE /SOCIAL MEDIA	OPEN ACCESS	BRIEF DESCRIPTION
Social Media Post	CTA	HP4ALL webinar - EU Green Week	May-21	LinkedIn	3.500 followers	https://www.linkedin.com/posts/ctandalucia_hp4all-eugreenweek-activity-6803726682386767872-2nXH	Yes	Information about the webinar
Social Media Post	CTA	HP4ALL webinar - sustainable energy skills in the construction sector	May-21	Twitter	710 followers	https://twitter.com/CTAndaluciaENG/status/1395387874300809219	Yes	Information about the webinar
Social Media Post	CTA	HP4ALL webinar - EU Green Week	May-21	Twitter	6.100 followers	https://twitter.com/CTAndalucia/status/1397962280730562564?s=20	Yes	Information about the webinar
Social Media Post	CTA	HP4ALL webinar - EU Green Week	Jun-21	LinkedIn	900 followers	https://www.linkedin.com/feed/update/urn%3Ali%3Aactivity%3A6807942156049768448/?actorCompanyId=65413883	Yes	Information about the webinar
Social Media Post	CTA	HP4ALL webinar - EU Green Week	Jun-21	LinkedIn	900 followers	https://www.linkedin.com/feed/update/urn%3Ali%3Aactivity%3A6808748841332948992/?actorCompanyId=65413883	Yes	Information about the webinar
Social Media Post	CTA	HP4ALL video	Jul-21	Twitter	750 followers	https://twitter.com/CTAndaluciaENG/status/1411949224313462785	Yes	HP4ALL video dissemination
Social Media Post	CTA	HP4ALL webinar - EU Green Week	Jun-21	Twitter	750 followers	https://twitter.com/CTAndaluciaENG/status/1404689609422999553	Yes	HP4ALL webinar - EU Green Week
Social Media Post	CTA	HP4ALL webinar - EU Green Week	Jun-21	Twitter	750 followers	https://twitter.com/CTAndaluciaENG/status/1401853890509914112	Yes	HP4ALL webinar - EU Green Week
Social Media Post	CTA	Project activity dissemination	Oct-21	LinkedIn	900 followers	https://www.linkedin.com/feed/update/urn:li:ugcPost:6851818373907537920/?actorCompanyId=65413883	Yes	Project activity dissemination
Social Media Post	CTA	Promotion of the project newsletter	Jun-21	Twitter	750 followers	https://twitter.com/CTAndaluciaENG/status/1485539938326224896	Yes	Promotion of the project newsletter
Press release	CTA	Press release about CTA participation at a conference	Nov-21	CTA website	300 views	m/es/sala-de-prensa/comunicados/CTA-presenta-el-proyecto-europeo-HP4ALL-a-un-centenar-de-asistentes-en-el-Congreso-sobre-Innovacion-y-Sostenibilidad-en-la-Vivienda-Social-en-	Yes	Dissemination of project activity
Event	CTA	Congress on Innovation and Sustainability in Social Housing in Granada	Nov-21	Granada (Spain)	100 attendees	https://congresoisvis.com/	Yes	CTA presented HP4ALL at Congress on Innovation and Sustainability in Social Housing in Granada
Social Media Post	CTA	Congress on Innovation and Sustainability in Social Housing	Nov-21	Twitter	750 followers	https://twitter.com/CTAndaluciaENG/status/1463107351578349575?s=20	Yes	Congress on Innovation and Sustainability in Social Housing
Social Media Post	CTA	Congress on Innovation and Sustainability in Social Housing	Nov-21	Twitter	6000 followers	https://twitter.com/CTAndalucia/status/1460612416631451661?s=20	Yes	Congress on Innovation and Sustainability in Social Housing

Article	CTA	HP4ALL dissemination	Jan-22	El Economista	https://revistas.economista.es/andalucia/	Yes	Article about HP4ALL
---------	-----	----------------------	--------	---------------	---	-----	----------------------


TYPE OF ACTIVITY	MAIN LEADER /AUTHORS	TITLE	DATE	PLACE	NUMBER OF STAKEHOLDERS REACHED	LINK TO WEBSITE /SOCIAL MEDIA	OPEN ACCESS	BRIEF DESCRIPTION
					TOTAL NUMBER			
Social media	Irene Egea Saiz	Deep Retrofit Community of Practice - event	10/05/2021	Linkedin	811 people reached	https://www.linkedin.com/feed/update/urn:li:activity:6797495878019014656	Yes	
Social media	Irene Egea Saiz	Deep Retrofit Community of Practice - event	10/05/2021	Twitter	1048 people reached	https://twitter.com/helloheatpumps/status/1391719782580424706	Yes	
Social media	Irene Egea Saiz	Deep Retrofit Community of Practice - event	17/05/2021	Linkedin	528 people reached	https://www.linkedin.com/feed/update/urn%3Ali%3Aactivity%3A6800038264003723264/?actorCompanyId=65413883	Yes	
Social media	Irene Egea Saiz	Deep Retrofit Community of Practice - event	17/05/2021	Twitter	828 people reached	https://twitter.com/helloheatpumps/status/1394271845550104586	Yes	
Social media	Irene Egea Saiz	Deep Retrofit Community of Practice - event	26/05/2021	Linkedin	688 people reached	https://www.linkedin.com/feed/update/urn:li:activity:6803246396083384321	Yes	
Social media	Irene Egea Saiz	Deep Retrofit Community of Practice - event	26/05/2021	Twitter	1524 people reached	https://twitter.com/helloheatpumps/status/1397482664752525320	Yes	
Social media	Irene Egea Saiz	Deep Retrofit Community of Practice - event	01/06/2021	Linkedin	644 people reached	https://www.linkedin.com/feed/update/urn:li:activity:6805406905549275136	Yes	
Social media	Irene Egea Saiz	Deep Retrofit Community of Practice - event	01/06/2021	Twitter	524 people reached	https://twitter.com/helloheatpumps/status/1399639726739673092	Yes	
Mailing lists	Irene Egea Saiz	Deep Retrofit Community of Practice - event	10/05/2021	Mailchimp	1470 recipients	https://mailchi.mp/ed6dfef3cd9a/your-weekly-dose-of-news-10292133	Yes	
Mailing lists	Irene Egea Saiz	Deep Retrofit Community of Practice - event	25/05/2021	Mailchimp	1462 recipients	https://us4.admin.mailchimp.com/campaigns/show?id=10294721	Yes	
Mailing lists	Irene Egea Saiz	Deep Retrofit Community of Practice - event	31/05/2021	Mailchimp	1463 recipients	https://mailchi.mp/0d4c07e5ce94/your-weekly-dose-of-news-10297497	Yes	
Mailing lists	Irene Egea Saiz	Deep Retrofit Community of Practice - event	02/06/2021	Mailchimp	692 recipients	https://mailchi.mp/a184ae7bab7e/join-us-for-ehpas-upcoming-webinars-on-a-green-digital-and-cost-efficient-energy-transition-10299857	Yes	
Mailing Lists	Irene Egea Saiz	Deep Retrofit Community of Practice - event	07/06/2021	Mailchimp	606 recipients		Yes	
Event	Dan Stefanica	Deep Retrofit Community of Practice - event	09/06/2021	Event on Zoom (online)	115 participants (151 registrations)	https://www.youtube.com/watch?v=D4Sagph3SzU	Yes	
Social media	Dan Stefanica	EU Green week event	16/06/2021	Linkedin	584 people reached	https://www.linkedin.com/feed/update/urn%3Ali%3Aactivity%3A6810909550737182720/?actorCompanyId=65413883	Yes	
Hybrid event	Dan Stefanica	EHPA Annual Heat Pump Forum	29/09/2021	Live and online video reel showcasing HP4All	521 connected online; 95 joined the live event	https://www.ehpa.org/events/#/event-details:17	Yes	

Online workshop	Dan Stefanica	Kick-off meeting of CEN/WS TRAIN4SUSTAIN "Establishing future-oriented training and qualification quality standards for fostering a broad uptake of sustainable energy skills in the European construction sector"	26/01/2022	Online	30	https://www.cencenelec.eu/news-and-events/news/2021/workshop/2021-12-14-train4sustain/	Yes	The scope of the Workshop is to specify a common reference framework and a methodology that allow to evaluate, score and report the Level of Competence of professionals and workers with regards to specific Areas of Expertise related to energy efficiency and sustainability at building and urban scale (TRAIN4SUSTAIN Competence Quality Standard).
-----------------	---------------	--	------------	--------	----	---	-----	---

TYPE OF ACTIVITY	MAIN LEADER /AUTHORS	TITLE	DATE	PLACE	NUMBER OF STAKEHOLDERS REACHED TOTAL NUMBER	LINK TO WEBSITE /SOCIAL MEDIA	OPEN ACCESS	BRIEF DESCRIPTION
Social media post	SIE	<p>📄 At Sustainable Innovations (SIE) we are part of several initiatives related to #EnergyEfficiency that ultimately aim to mitigate #ClimateChange and accelerate the green transformation.</p> <p>📄 At Sustainable Innovations (SIE) we are part of several initiatives related to #EnergyEfficiency that ultimately aim to mitigate #ClimateChange and accelerate the green transformation.</p>	ago-21	LinkedIn	5858	https://www.linkedin.com/feed/update/urn%3Ali%3Aactivity%3A6835824624891150336/?actorCompanyId=65413883	yes	Information on energy efficiency SIE works on
Social media post	SIE	<p>📄 At Sustainable Innovations (SIE) we are part of several initiatives related to #EnergyEfficiency that ultimately aim to mitigate #ClimateChange and accelerate the green transformation.</p> <p>📄 At Sustainable Innovations (SIE) we are part of several initiatives related to #EnergyEfficiency that ultimately aim to mitigate #ClimateChange and accelerate the green transformation.</p>	sep-21	Instagram	529	https://www.instagram.com/p/CS9T4ChDjb-/	yes	Information on energy efficiency SIE works on

Social media post	SIE	 At Sustainable Innovations (SIE) we are part of several initiatives related to #EnergyEfficiency that ultimately aim to mitigate #ClimateChange and accelerate the green transformation.	oct-21	Twitter	679	https://twitter.com/SustainableInnE/status/1430059792429723653	yes	Information on energy efficiency SIE works on
Social media post	SIE	 Today our Head of Communications and Capacity Building Mariana Fernández Renedo is attending the General Assembly meeting of the HP4ALL project where she will speak about the communication and dissemination activities carried out since the project began.	oct-21	LinkedIn	6024	https://www.linkedin.com/feed/update/urn:li:activity:6853938823534055425/?actorCompanyId=65413883	yes	Information omn generak assembky meeting

Social media post	SIE	<p>Today our Head of Communications and Capacity Building Mariana Fernández Renedo is attending the General Assembly meeting of the HP4ALL project where she will speak about the communication and dissemination activities carried out since the project began.</p>	oct-21	TWITTER	703	https://twitter.com/SustainableInnE/status/1448173540814041094	yes	Information omn generak assembly meeting
-------------------	-----	---	--------	---------	-----	---	-----	--

Social media post	SIE	<p>  Today our Head of Communications and Capacity Building Mariana Fernández Renedo is attending the General Assembly meeting of the HP4ALL project where she will speak about the communication and dissemination activities carried out since the project began. </p>	Instagram	554	https://www.instagram.com/p/CU91J14t9JR/	yes	Information omn generak assembly meeting
-------------------	-----	---	-----------	-----	---	-----	--



22 ANNEX 5: Impact on media outlets and other relevant websites M19-M27

ARCHITECS COUNCIL OF EUROPE

https://www.ace-cae.eu/services/news/?tx_ttnews%5BbackPid%5D=1&tx_ttnews%5Btt_news%5D=2382&chash=763040863639feb2627e3e9a58afb04d

ARISE

<https://mobile.twitter.com/AriseH2020/status/1564908090968915972>

BUSGOCIRCULAR

<https://busgocircular.eu/bus-gocircular-at-eusew-2022/>

EUSEW

<https://prod5.assets-cdn.io/event/8548/assets/8344283282-a2cb0e923b.pdf>

SEETHESKILLS

<https://seetheskills.eu/seetheskills-side-by-side-with-the-eu-projects-working-toward-sustainable-construction/>

TRAIN4SUSTAIN

<https://train4sustain.eu/news/17/ambition-requires-action-mutual-recognition-agreements-and-the-upskilling-transformation>

<https://train4sustain.eu/news/15/leveraging-digitalisation-and-construction-skills-towards-2030-energy-goals>

<https://twitter.com/Train4Sustain/status/1554087511965765634>





23 ANNEX 6: Dissemination tables M19-M27



TYPE OF ACTIVITY	MAIN LEADER /AUTHORS	TITLE	DATE	PLACE	NUMBER OF STAKEHOLDERS REACHED TOTAL NUMBER	LINK TO WEBSITE /SOCIAL MEDIA	BRIEF DESCRIPTION
Online Meeting	Stephen Murphy	Tipperary County Council Training Offer	mar-22	Zoom	2		The second meeting with County Councils to identify the number of stakeholders that can be made available for training.
Online Meeting	Stephen Murphy	Clare County Council Training Offer	mar-22	MS Teams	2		The second meeting with County Councils to identify the number of stakeholders that can be made available for training.
Online Meeting	Stephen Murphy	Galway County Council Training Offer	mar-22	MS Teams	5		The second meeting with County Councils to identify the number of stakeholders that can be made available for training.
Conference	Stephen Murphy	Triple C Conference	22nd Mar 22	TUS Campus	14		TUS is a partner of the Triple C project. They held their general assembly on TUS Thurles campus. HP4ALL and other projects had the opportunity to speak to the partners and some policy representatives on the topic of sustainability in Europe. HP4ALL presented an overview of heat pump operation, energy efficiency of heat pumps, the HP4ALL project objectives and the Irish pilot activities.
Phone Call	Stephen Murphy	M Fitzgibbon Cons. Ltd	mar-22	Phone	1		TUS is making contact with contracotrs that work for County councils to undergo HP4ALL training, the contact details where shared by the county councils. Also asking contractors if they have any insights they could share with HP4ALL and any case studies in the field of excellent Heat pump installations or large scale installations.
Phone Call	Stephen Murphy	Patrick Keogh Const. Ltd	mar-22	Phone	1		TUS is making contact with contracotrs that work for County councils to undergo HP4ALL training, the contact details where shared by the county councils. Also asking contractors if they have any insights they could share with HP4ALL and any case studies in the field of excellent Heat pump installations or large scale installations.
Phone Call	Stephen Murphy	Custy Construction	mar-22	Phone	1		TUS is making contact with contracotrs that work for County councils to undergo HP4ALL training, the contact details where shared by the county councils. Also asking contractors if they have any insights they could share with HP4ALL and any case studies in the field of excellent Heat pump installations or large scale installations.
Phone Call	Stephen Murphy	K&D Whelans Const	mar-22	Phone	1		TUS is making contact with contracotrs that work for County councils to undergo HP4ALL training, the contact details where shared by the county councils. Also asking contractors if they have any insights they could share with HP4ALL and any case studies in the field of excellent Heat pump installations or large scale installations.
Phone Call	Stephen Murphy	Moloney Fox M&E	mar-22	Phone	1		TUS is making contact with Designers of County Council housing developments to understand the design strategy for training for in-house County Council engineers and maintenance, to give them a real world example.
Phone Call	Stephen Murphy	Matt O'Mahoney M&E	mar-22	Phone	1		TUS is making contact with Designers of County Council housing developments to understand the design strategy for training for in-house County Council engineers and maintenance, to give them a real world example.
Phone Call	Stephen Murphy	Don O'Malley M&E	mar-22	Phone	1		TUS is making contact with Designers of County Council housing developments to understand the design strategy for training for in-house County Council engineers and maintenance, to give them a real world example.
Phone Call	Stephen Murphy	Finna Construction	mar-22	Phone	1		TUS is making contact with contracotrs that work for County councils to undergo HP4ALL training, the contact details where shared by the county councils. Also asking contractors if they have any insights they could share with HP4ALL and any case studies in the field of excellent Heat pump installations or large scale installations.
Phone Call	Stephen Murphy	Retrofit Design Ltd (Mayo Based)	mar-22	Phone	1		TUS is making contact with contracotrs that work for County councils to undergo HP4ALL training, the contact details where shared by the county councils. Also asking contractors if they have any insights they could share with HP4ALL and any case studies in the field of excellent Heat pump installations or large scale installations.
Phone Call	Stephen Murphy	Damian Ryan Contracts	mar-22	Phone	1		TUS is making contact with contracotrs that work for County councils to undergo HP4ALL training, the contact details where shared by the county councils. Also asking contractors if they have any insights they could share with HP4ALL and any case studies in the field of excellent Heat pump installations or large scale installations.
Phone Call	Stephen Murphy	Munster Construction	mar-22	Phone	1		TUS is making contact with contracotrs that work for County councils to undergo HP4ALL training, the contact details where shared by the county councils. Also asking contractors if they have any insights they could share with HP4ALL and any case studies in the field of excellent Heat pump installations or large scale installations.
Phone Call	Stephen Murphy	SOLA	mar-22	Phone	1		TUS is making contact with contracotrs that work for County councils to undergo HP4ALL training, the contact details where shared by the county councils. Also asking contractors if they have any insights they could share with HP4ALL and any case studies in the field of excellent Heat pump installations or large scale installations.
Phone Call	Stephen Murphy	James Treacy Plumbing	mar-22	Phone	1		TUS is making contact with contracotrs that work for County councils to undergo HP4ALL training, the contact details where shared by the county councils. Also asking contractors if they have any insights they could share with HP4ALL and any case studies in the field of excellent Heat pump installations or large scale installations.
Social media post	Stephen Murphy	Triple C Conference	mar-22	Phone	135	https://www.linkedin.com/feed/update/urn:li:activity:6915583967576420352/	Repost from corporate account

Conference	Stephen Murphy	An information event on Gov funded upskilling opportunities	26/04/2022	Anner Hotel, Thurles, Tipperary	14	-	Regional Skills Midwest are hosting in collaboration with Tipperary Chamber an information event on Gov funded upskilling opportunities in the Anner Hotel, Thurles, Tipperary on April 26th between 12-2pm, this event will enable employers to meet with education providers on a one to one basis. TUS had a stand that will showcase the HP4ALL and DigiECO projects.
Phone Call	Stephen Murphy	C & N Higgins Construction Ltd	04/05/2022	Phone	1		A phone call to inform the contractor of the intentions of the HP4ALL project. Also, gained insight into the workings of contractors in relation to one off retrofits and new builds, and multiple housing units either via developer or CoCo. Contractors were really happy to help once CoCo were mentioned. Demand driven, money to be made in CoCo.
Phone Call	Stephen Murphy	Nuark limited	04/05/2022	Phone	1		
Meeting	Stephen Murphy	Daikin Ireland	04/05/2022	MS Teams	1		Meeting with Daikin on training and possible collaboration with Daikin and/or training materials from Daikin.
Face to Face Meeting	Stephen Murphy	Unitherm Heating solutions	05/05/2022	Unitherm Galway Offices	2		Meeting with HP suppliers and designers Unitherm. Unitherm work closely with CoCo and training of installers. Unitherm have an onsite HP training facility. Unitherm are looking to hire a full-time trainer for their installers.
Face to Face Meeting	Stephen Murphy	Grant Engineering	06/05/2022	Grant Eng., Birr, Co. Offaly	1		Meeting with HP suppliers and designers, and boiler manufacturers Grant Engineering. Grant work closely with CoCo and training of installers. Grant have an onsite HP training facility. Grant hire a full time trainer for heat pump installations training.
Observer Region Meeting	Stephen Murphy, Padraic O'Reilly	Meeting with University of Zagreb Thermodynamics, thermal engineering department (FSB)	11/05/2022				Agenda: 1.Introductions to organisations (TUS and FSB): Overview of each organisation and prior research. 2.HP4ALL Project Overview: A quick introduction to the HP4ALL project, the targets and the objectives of the project. 3.HP4ALL Observer Region Task: Overview of HP4ALL project task 6.2 Observer regions 4.Irish Pilot activities: Overview of pilot activities by TUS. 5.Croatian perspective: Overview of the Heat pump market/value chain. 6.Discussion on Collaboration
				MS Teams	2		
Phone Call	Stephen Murphy	Firebird Heating Solutions	11/05/2022	Phone	1		Setting up a visit to Firebirds factory and training facility. Very interested in working with HP4ALL if it means working for the CoCo. Firebird hire a full time trainer for heat pump installations training.
Social media post	Lis O'Brien	TUS Development Unit Project Share day	15/05/2022	LinkedIn	500	https://www.linkedin.com/feed/update/urn:li:activity:6916653540094414849/?actorCompanyId=65413883	Lis O'Brien shared post about the TUS Development Unit "project share" day.
Social media post	Stephen Murphy	Deep retrofit community of practice	16/05/2022	LinkedIn	141	https://www.linkedin.com/feed/update/urn:li:activity:6924643223034331137/?actorCompanyId=65413883	Stephen Murphy re-share of EHPA Deep retrofit community of Practice event.
Training Event	Stephen Murphy	Clare County Council Training	16/05/2022	Clare County Council Chamber	16		Specifier/Designer Event
Training Event	Stephen Murphy	Tipperary County Council Training	23/05/2022	Thurles-Templemore Municipal Offices	24		Specifier/Designer Event
Training Event	Stephen Murphy	Laois County Council Training	26/05/2022	Laois County Council Chamber	24		Specifier/Designer Event
Email Thread	Padraic O'Reilly	Invitation to present at HP4ALL events sent to the Heat Pump Association	30/05/2022	Email	1		Open invitation to HPAI for future Specifier/Designer Events
Phone Call	Stephen Murphy	Unipe invitation to speak at Specifier/Designer event	30/05/2022	Phone	1		Invitation accepted by Unipe to present at the Kilkenny CoCo
Social media post	Gloria Callinan	LinkedIn re-share of HP4ALL Post	30/05/2022	LinkedIn	500	https://www.linkedin.com/feed/update/urn:li:share:6937452526078230528/?actorCompanyId=65413883	Gloria Callinan re-share of HP4ALL Post on Irish Pilot activities
Social media post	Stephen Murphy	LinkedIn re-share of HP4ALL Post	30/05/2022	LinkedIn	141	https://www.linkedin.com/feed/update/urn:li:share:6937462744824643584/?actorCompanyId=65413883	Stephen Murphy re-share of HP4ALL Post on Irish Pilot activities
Social media post	Lis O'Brien	LinkedIn re-share of HP4ALL Post	30/05/2022	LinkedIn	500	https://www.linkedin.com/feed/update/urn:li:share:6938046810548559872/?actorCompanyId=65413883	Lis O'Brien re-share of HP4ALL Post on Irish Pilot activities
Social media post	Gloria Callinan	LinkedIn re-share of HP4ALL Post	30/05/2022	LinkedIn	500	https://www.linkedin.com/feed/update/urn:li:share:6942429233298239488/?actorCompanyId=65413883	Gloria Callinan re-share of EHPA Event on July 6th
Training Event	Stephen Murphy	Kilkenny County Council Training	16/06/2022	Kilkenny Civil Offices	10		Specifier/Designer Event with Unipe
Event	Stephen Murphy	Galway County Council Climate Action Day	22/06/2022	LalwayIN	100		Climate action day consisted of a Retrofit one stop shop (KORE), Heat pump designer/supplier (Unitherm), Heat pump Manufacturer/Supplier (Firebird), HP4ALL, the county council Housing department, the environment department, and the water department to provide citizens information on retrofits, heat pumps, Waste and sustainability

Training Event	Stephen Murphy	Roscommon County Council Training	28/06/2022	Roscommon County Council Offices	18		Specifier/Designer Event
Social media post	Gloria Callinan	LinkedIn re-share of HP4ALL Post	30/06/2022	LinkedIn	500	https://www.linkedin.com/feed/update/urn:li:share:6947495332771479552/?act=rCompanyId=65413883	Reshare of HP4ALL post about BIMZEED
Social media post	Gloria Callinan	LinkedIn re-share of HP4ALL Post	30/06/2022	LinkedIn	500	https://www.linkedin.com/feed/update/urn:li:share:6958360796695257088/?act=rCompanyId=65413883	re-share of webinar series post
Social media post	Stephanie Moore	LinkedIn re-share of HP4ALL Post	30/06/2022	LinkedIn	150	https://www.linkedin.com/feed/update/urn:li:share:6958376575729856513/?act=rCompanyId=65413883	re-share of webinar series post
Social media post	Benny McDonagh	LinkedIn post about Irish Webinar Series	30/06/2022	LinkedIn	500	https://www.linkedin.com/feed/update/urn:li:share:6958378304814911488/?act=rCompanyId=65413883	Posted about Irish Webinar Series
Social media post	Stephen Murphy	LinkedIn re-share of HP4ALL Post of Irish Webinar Series	30/06/2022	LinkedIn	152	https://www.linkedin.com/feed/update/urn:li:share:6960218128358240256/?act=rCompanyId=65413883	re-share of webinar series post
Event	Stephen Murphy, Padraic O'Reilly	Energy in Agriculture show, Gurteen	19/07/2022	Gurteen College, Tipperary	>2,000	https://energyinagriculture.ie/	The Energy in Agriculture show was co-organised by TUS, TUS had a stand at the event where we disseminated multiple TUS projects via leaflets and word of mouth. There were over 2,000 people at the event which included the general public, leading experts in energy efficiency and governemtn officials, including Eamonn Ryan TD.
Training Event	Stephen Murphy, Benny McDonagh	Carlow County Council training	16/08/2022	Carlow Civil Offices	11	https://hp4all.eu/workshop/	Specifier/Designer Event
Training Event	Benny McDonagh	Comfort & Energy in Construction Webinar Series via zoom	10 th August 2022	Zoom	141	https://hp4all.eu/workshop/	NZEB (Nearly Zero Energy Building) webinar providing an understanding of: -What is NZEB? -Current Regulations -Smart Homes -Future Prospects
Training Event	April McHale, Daikin	Comfort & Energy in Construction Webinar Series via zoom	11 th August 2022	Zoom	117	https://hp4all.eu/workshop/	Heat pumps overview Webinar providinig an understanding of: -Current Trends in Air to Water -Monobloc vs Split systems -Exhaust Air Heat Pumps -Efficiency -Flow temperature and dT
Training Event	John Murphy, ECAC	Comfort & Energy in Construction Webinar Series via zoom	17 th August 2022	Zoom	105	https://hp4all.eu/workshop/	Webinar providing information on: -Current Refrigerants -Global Warming Potential -Efficiency (Fridge side) -Refrigerant Handling -Future trends of Refrigerants
Training Event	Michael Slevin, KSN Energy	Comfort & Energy in Construction Webinar Series via zoom	18 th August 2022	Zoom	111	https://hp4all.eu/workshop/	Webinar providing information on: -Fabric inspection points -Heat pump inspection points -Controls requirements -Piping requirements -Wiring requirements -Qualification Requirements
Training Event	Barry Guinan, Grant	Comfort & Energy in Construction Webinar Series via zoom	24 th August 2022	Zoom	88	https://hp4all.eu/workshop/	Webinar providing information on: -Fabric Heat Loss -Ventilation Heat Loss -Room by Room Calculations -DEAP Walk Through
Training Event	Benny McDonagh, TUS	Comfort & Energy in Construction Webinar Series via zoom	25 th August 2022	Zoom	78	https://hp4all.eu/workshop/	Webinar providing information on: -Construction Waste -Circular Economy -Examples of Irish Products -Future trends of circular economy
Training Event	Calin Tasnadi, HEVAC	Comfort & Energy in Construction Webinar Series via zoom	31 st August 2022	Zoom	86	https://hp4all.eu/workshop/	Webinar providing information on: -Traditional Heating systems overview (Boiler with Rads) -Heat Pump + emitter requirements -Retrofit & Radiators -Future trends of Emitters

Training Event	Keith Scully, Grant	Comfort & Energy in Construction Webinar Series via zoom	1 st September 2022	Zoom	80	https://hp4all.eu/workshop/	Webinar providing information on: -dT requirements of emitter & Heat Pump -Flow rates, pressure, heat output -Pipe Insulation -Underfloor heating piping
Training Event	Shaun Finn, EI Superhomes	Comfort & Energy in Construction Webinar Series via zoom	7 th September 2022	Zoom	97	https://hp4all.eu/workshop/	Webinar providing information on: -Initial Assessment -Measure selection -Cost / benefit analysis
Training Event	Joe Fitzgerald, Eco Building Systems	Comfort & Energy in Construction Webinar Series via zoom	8 th September 2022	Zoom	74	https://hp4all.eu/workshop/	Webinar providing information on: -Current trends in market -Common problems identified -Future trends in market
Training Event	Joe Fitzgerald, Eco Building Systems	Comfort & Energy in Construction Webinar Series via zoom	14 th September 2022	Zoom	84	https://hp4all.eu/workshop/	Webinar providing information on: -Current trends in market -Common problems identified -Future trends in market
Training Event	Dara McGowan, Partel	Comfort & Energy in Construction Webinar Series via zoom	15 th September 2022	Zoom	91	https://hp4all.eu/workshop/	Webinar providing information on: -Current trends in market -Common problems identified -Future trends in market
Training Event	John Murphy, ECAC	Comfort & Energy in Construction Webinar Series via zoom	21 st September 2022	Zoom	57	https://hp4all.eu/workshop/	Webinar providing information on: -Cooling Market in Ireland -Energy efficiency in Air Conditioning -Air conditioning market overview -Future of Cooling in Ireland -Training Providers
Training Event	Cori Calvert, EI Superhomes	Comfort & Energy in Construction Webinar Series via zoom	22 nd September 2022	Zoom	75	https://hp4all.eu/workshop/	Webinar providing information on: -Initial Contact -Customer Journey -Servicing and callouts
Social media post	Seamus Hoyne	LinkedIn re-share of HP4ALL post	09/10/2022	LinkedIn	2236	https://www.linkedin.com/feed/update/urn:li:ugcPost:6977938110688993280/?actorCompanyId=65413883	Repost of Our webinar 2030 Leveraging digitalisation and construction skills towards energy
Event / Conference	Stephen Murphy, Benny McDonagh	Offaly County Council Climate Action Day	14/09/22	Tullamore County Council Offices	105	https://hp4all.eu/technological-university-of-the-shannon-participates-in-the-offaly-county-council-climate-action-day/	A climate action day was set up for the staff of Offaly CC with some additional general public coming to the HP4ALL stall for information. Other information stands that were available on the day were a Solar installation company, EV car dealers, E-Scooters & E-Bike wholesalers, a one stop shop retrofit company and other environment orientated stalls.
Training Event	Stephen Murphy, Benny McDonagh	Cork County Council	28/09/22	Cork City Council Offices	20		Specifier and Procurement training with Cork County Council.
Document Sharing	Stephen Murphy	Installer Competency for grant aided installations	10/05/2022	Mail	10		Sent SEAI 'Domestic-Technical-Standards-and-Specifications' document to all county councils to better their procurement. Also sent them a short list of competencies that are required to install retrofit measures from insulation to heat pump and heating controls.
Homeowner Webinar Series - November	Stephen Murphy, Benny McDonagh	Homeowner Event Organised with NZEB trainers, Retrofit company and Heat Pump Association of Ireland	14/11/22 - 25/11/22	Online	100	https://hp4all.eu/workshop/	The Homeowner webinar series was organized by the Irish HP4ALL pilot from November 14 to November 23 in cooperation with a number of organizations. In essence, 8 webinars covered everything a homeowner needs to know about effectively heating their home and their hot water.
LinkedIn POST	Benny McDonagh	Comfort & Energy in Construction Webinar Series via zoom	September 2022	LinkedIn	632	https://www.linkedin.com/feed/update/urn:li:activity:6981271893274152960/?actorCompanyId=65413883	From August 10 until September 22, HP4ALL's Irish pilot, in collaboration with several entities, organised the Comfort and energy in construction webinar series.
LinkedIn POST	Seamus Hoyne	GA October 2022	October 2022	LinkedIn	2457	https://www.linkedin.com/feed/update/urn:li:share:6989258299137294336/?actorCompanyId=65413883	Repost from corporate account

LinkedIn POST	Stephen Murphy	Homeowner Event Organised with NZEB trainers, Retrofit company and Heat Pump Association of Ireland	November 2022			https://www.linkedin.com/posts/stephen-murphy-3423b3173-are-you-considering-installing-a-heat-pump-activity-6995696401342984192-xxdd?utm_source=share&utm_medium=member_desktop	<p>The Homeowner webinar series was organized by the Irish HP4ALL pilot from November 14 to November 23 in cooperation with a number of organizations.</p> <p>In essence, 8 webinars covered everything a homeowner needs to know about effectively heating their home and their hot water.</p>
				LinkedIn	187		
LinkedIn POST	Benny McDonagh	Homeowner Event Organised with NZEB trainers, Retrofit company and Heat Pump Association of Ireland	November 2022			https://www.linkedin.com/posts/ben-mcdonagh-9517a164-are-you-considering-installing-a-heat-pump-activity-6996055861756395520-dGEY?utm_source=share&utm_medium=member_desktop	<p>The Homeowner webinar series was organized by the Irish HP4ALL pilot from November 14 to November 23 in cooperation with a number of organizations.</p> <p>In essence, 8 webinars covered everything a homeowner needs to know about effectively heating their home and their hot water.</p>
				LinkedIn	632		

TYPE OF ACTIVITY	MAIN LEADER /AUTHORS	TITLE	DATE	PLACE	NUMBER OF STAKEHOLDERS REACHED TOTAL NUMBER	LINK TO WEBSITE /SOCIAL MEDIA	BRIEF DESCRIPTION
Social media post	SIE	HP4ALL webinar with related initiatives	21-sep-22	Linkedin	7108	https://www.linkedin.com/feed/update/urn:li:activity:6977521863711178753	SIE as moderator of a webinar about HP4ALL and related projects
Social media post	SIE	HP4ALL webinar with related initiatives	21-sep-22	Twitter	754	https://twitter.com/SustainableInnE/status/1571756337150758912	SIE as moderator of a webinar about HP4ALL and related projects
Webinar moderation	SIE	HP4ALL webinar with related initiatives	21-sep-22	Online	79	https://www.youtube.com/watch?v=cqwlf5W6s6k	SIE as moderator of a webinar about HP4ALL and related projects
Social media post	SIE	HP4ALL webinar with related initiatives	21-sep-22	Instagram	582	https://www.instagram.com/p/Ci2LbE1s-vp/	SIE as moderator of a webinar about HP4ALL and related projects
Social media post	SIE	HP4ALL GA M24	oct-22	Linkedin	7184	https://www.linkedin.com/feed/update/urn:li:activity:6988438694365917185/?actorCompanyId=65413883	SIE participating in the fce to face meeting GA in Linz
Social media post	SIE	HP4ALL GA M24	oct-22	Twitter	759	https://twitter.com/SustainableInnE/status/1582673379919699969	SIE participating in the fce to face meeting GA in Linz
Social media post	SIE	HP4ALL GA M24	oct-22	Instagram	581	https://www.instagram.com/p/CkGfDgLoiDk/	SIE participating in the fce to face meeting GA in Linz

TYPE OF ACTIVITY	MAIN LEADER /AUTHORS	TITLE	DATE	PLACE	NUMBER OF STAKEHOLDERS REACHED TOTAL NUMBER	LINK TO WEBSITE /SOCIAL MEDIA	BRIEF DESCRIPTION
Booth EUSEW	RINA-C	Innovative energy retrofit: from building fabric intervention to the AI integration	28-29 September 2022	Brussels, EUSEW	100	https://www.linkedin.com/feed/update/urn:li:activity:6933014466129231872/?actorCompanyId=65413883	RINA organised a booth at EUSEW22, presenting a cluster of projects dealing with Hps and everything related to energy efficiency. within this cluster we presented 8 projects, one of these was HP4All.

TYPE OF ACTIVITY	MAIN LEADER /AUTHORS	TITLE	DATE	PLACE	NUMBER OF STAKEHOLDERS REACHED TOTAL NUMBER	LINK TO WEBSITE /SOCIAL MEDIA	BRIEF DESCRIPTION
Social media post	Padraig Lyons	Interview Mariana Fernández	February 2022		1911	https://www.linkedin.com/feed/update/urn:li:share:6894280418779361280/?act orCompanyId=65413883	Repost from corporate account
Social media post	IERC	Repost HP4All post	abr-22	LinkedIn	2339	https://www.linkedin.com/feed/update/urn:li:share:6927550919001710592/?act orCompanyId=65413883	Repost HP4All post
Social media post	Padraig Lyons	Repost HP4All post	may-22	LinkedIn	1911	https://www.linkedin.com/feed/update/urn:li:share:6927558359688605696/?act orCompanyId=65413883	Repost HP4All post
Social media post	Ruchi Agrawal	Repost HP4All post	sep-22	LinkedIn	888	https://www.linkedin.com/feed/update/urn:li:ugcPost:6977611293901881344/?a ctorCompanyId=65413883	Repost HP4All post
Social media post	Ruchi Agrawal	Repost HP4All post	22-ago	LinkedIn	888	https://www.linkedin.com/feed/update/urn:li:ugcPost:6977611588061048832/?a ctorCompanyId=65413883	Repost HP4All post
Social media post	Ruchi Agrawal	Repost HP4All post	sep-22	LinkedIn	888	https://www.linkedin.com/feed/update/urn:li:share:6977611626472435712/?act orCompanyId=65413883	Repost HP4All post
Social media post	Ruchi Agrawal	Repost HP4All post	sep-22	LinkedIn	888	https://www.linkedin.com/feed/update/urn:li:share:6980458242543894528/?act orCompanyId=65413883	Repost HP4All post
Social media post	Fabio Silva	Repost HP4All post	sep-22	LinkedIn	968	https://www.linkedin.com/feed/update/urn:li:share:6980460294691016704/?act orCompanyId=65413883	Repost HP4All post
Social media post	Ruchi Agrawal	Repost HP4All post	oct-22	LinkedIn	888	https://www.linkedin.com/feed/update/urn:li:share:6981541468960104448/?act orCompanyId=65413883	Repost HP4All post
Social media post	Ruchi Agrawal	Repost HP4All post	sep-22	LinkedIn	888	https://www.linkedin.com/feed/update/urn:li:share:6981541536010268672/?act orCompanyId=65413883	Repost HP4All post
Social media post	Padraig Lyons	Repost HP4All post	sep-22	LinkedIn	1911	https://www.linkedin.com/feed/update/urn:li:share:6981562632075931648/?act orCompanyId=65413883	Repost HP4All post
Social media post	Ruchi Agrawal	Repost HP4All post	oct-22	LinkedIn	888	https://www.linkedin.com/feed/update/urn:li:share:6986781543939588096/?act orCompanyId=65413883	Repost HP4All post
Social media post	Ruchi Agrawal	Repost HP4All post	oct-22	LinkedIn	888	https://www.linkedin.com/feed/update/urn:li:share:6986781696863969280/?act orCompanyId=65413883	Repost HP4All post

Social media post

Ruchi Agrawal

Repost HP4All post oct-22 LinkedIn

888

<https://www.linkedin.com/feed/update/urn:li:share:6988501816216842240/?act=orCompanyId=65413883>

Repost HP4All post

TYPE OF ACTIVITY	MAIN LEADER /AUTHORS	TITLE	DATE	PLACE	NUMBER OF STAKEHOLDERS REACHED	LINK TO WEBSITE /SOCIAL MEDIA	BRIEF DESCRIPTION
					TOTAL NUMBER		
Social media dissemination	EHPA	Knowledge Hub HP4All	01/02/2022	EHPA LinkedIn page	1089 impressions	https://www.linkedin.com/feed/update/urn:li:activity:6899318514818043904	Promoting HP4ALL knowledge hub
Social media dissemination	EHPA	Knowledge Hub HP4All	01/02/2022	EHPA LinkedIn group	2049 members	https://www.linkedin.com/groups/4408442/	Promoting HP4ALL knowledge hub
Social media dissemination	EHPA	Heat Pump skills and competencies: A comprehensive framework	02/03/2022	EHPA LinkedIn page and page	4711 followers	https://www.linkedin.com/feed/update/urn:li:activity:6906877620278181888/?actorCompanyId=65413883	Promotion event
Social media dissemination	EHPA	Heat Pump skills and competencies: A comprehensive framework	12/03/2022	EHPA LinkedIn page and page	4711 followers	https://www.linkedin.com/feed/update/urn:li:activity:6912772834863804416/?actorCompanyId=65413883	Promotion event
Social media dissemination	EHPA	EU Vocational Skills week 2022	30/03/2022	EHPA LinkedIn page and Twitter page	4711 followers	https://www.linkedin.com/feed/update/urn:li:activity:6914902663654477824/?actorCompanyId=65413883	Promotion event
Social media dissemination	EHPA	Skills4Climate campaign	08/03/2022	EHPA Twitter page	235 impressions	https://twitter.com/helloheatpumps/status/1501109549444571138	Project promotion
Social media dissemination	EHPA	EU Vocational Skills week 2022	30/03/2022	EHPA Twitter page	3542 followers	https://twitter.com/helloheatpumps/status/1509138173875654658	Event promotion
Portal promotion	EHPA	Heat Pump skills and competencies: A comprehensive framework	24/03/2022	Build up portal		https://www.buildup.eu/en/events/heat-pump-skills-and-competencies-comprehensive-framework	Event promotion
Social media dissemination	EHPA	EU Vocational Skills week 2022	30/03/2022	Energy Professionals LinkedIn group	142,616 members	https://www.linkedin.com/feed/update/urn:li:activity:6914922989184561152/	Event promotion
Social media dissemination	EHPA	Heat Pump skills and competencies: A comprehensive framework - Introducing Jan Cromwijk	15/04/2022	EHPA LinkedIn page	4901 followers	https://www.linkedin.com/posts/ehpa_onlineseminar-activity-6918103651659976704-do0o?utm_source=linkedin_share&utm_medium=member_desktop_web	Event promotion
Social media dissemination	EHPA	Heat Pump skills and competencies: A comprehensive framework - Introducing Carlos García Delgado	20/04/2022	EHPA LinkedIn page	4901 followers	https://www.linkedin.com/posts/ehpa_onlineseminar-activity-6920312454233100288-TnBJ?utm_source=linkedin_share&utm_medium=member_desktop_web	Event promotion
Social media dissemination	EHPA	Heat Pump skills and competencies: A comprehensive framework - Celebrating Earth Day	23/04/2022	EHPA LinkedIn page	4901 followers	https://www.linkedin.com/posts/ehpa_decarbonisation-heatpump-deepretrofit-activity-6923169766534725632-zK8R?utm_source=linkedin_share&utm_medium=member_desktop_web	Event promotion
EHPA webinar	EHPA & Delta EE	The time is now: Accelerating the decarbonisation of heat	27/04/2022	Zoom platform	193 participants	https://www.ehpa.org/events/#/event-details:62	Event promotion
Social media dissemination	EHPA	Heat Pump skills and competencies: A comprehensive framework - Introducing Julie Beaufils	27/04/2022	EHPA LinkedIn page	4901 followers	https://www.linkedin.com/posts/ehpa_onlineseminar-skills4climate-activity-692497709233813761-l4sV?utm_source=linkedin_share&utm_medium=member_desktop_web	Event promotion

Social media dissemination	EHPA	Heat pump skills and competencies: a comprehensive framework	04/05/2022	EHPA Youtube channel	113 views as of 27 May	https://www.youtube.com/watch?v=O9gazE-ps38	Event recording
Website dissemination	EHPA	Training programmes offered by Heat Pump producers: Installers and manufacturing personnel as the backbone of the heating transition	06/05/2022	EHPA website		https://app.ehpa.org/#/event-details:64	Event promotion
EHPA Research and Innovation Committee	EHPA	Meeting of the EHPA R&I Committee	23/06/2022	MS Teams	28	https://www.ehpa.org/about/team/committees-and-chairs/research-and-innovation-ri-committee/	Event & project promotion
Mostra Convegno Trade Fair	EHPA	Mostra Convegno EHPA booth	28/07/2022	Milan, Italy	150 visitors per day during 3 days	https://mcexpocomfort.it/news/la-42-edizione-di-mce-mostra-convegno-expocomfort-si-riposiziona-allinizio-dellestate	Event and project promotion
Innovation fund coorganized with DG Climate and EREC	EHPA	Innovative large scale Heat Pump projects: the 3rd Innovation Fund Large-Scale Call	27/06/2022	MS Teams Webinar	228 registrations, 172 participants	https://www.ehpa.org/events/#/event-details:66	Project promotion
Like minded project final conference	EHPA	RELaTED final workshop: Back to the Future of District Heating and Cooling	09/06/2022	Brussels, Belgium	25 participants	http://www.relatedproject.eu/related-final-workshop-back-to-the-future-of-district-heating-and-cooling/	Project promotion
Social media dissemination	EHPA	Training programmes offered by Heat Pump producers: Installers and manufacturing personnel as the backbone of the heating transition	29/06/2022	EHPA LinkedIn page and group	5533 followers & 2355 group members	https://www.linkedin.com/feed/update/urn:li:activity:6947894177384833025	Event promotion
Social media dissemination	EHPA	Training programmes offered by Heat Pump producers: Installers and manufacturing personnel as the backbone of the heating transition	29/06/2022	EHPA Twitter account	3542 followers	https://twitter.com/helloheatpumps/status/1542130117161410561/photo/1	Event promotion
Social media dissemination	EHPA	Training programmes offered by Heat Pump producers: Installers and manufacturing personnel as the backbone of the heating transition	02/07/2022	EHPA LinkedIn page and group	5885 followers	https://www.linkedin.com/posts/ehpa_skillsdevelopment-traininganddevelopment-activity-6947894177384833025-VBwD?utm_source=linkedin_share&utm_medium=member_desktop_web	Event promotion
Social media dissemination	EHPA	Training programmes offered by Heat Pump producers: Installers and manufacturing personnel as the backbone of the heating transition	05/07/2022	EHPA LinkedIn page and group	5885 followers	https://www.linkedin.com/posts/ehpa_skillsforthefuture-activity-6949734096092725248-rsaA?utm_source=linkedin_share&utm_medium=member_desktop_web	Event promotion
Social media dissemination	EHPA	Training programmes offered by Heat Pump producers: Installers and manufacturing personnel as the backbone of the heating transition	09/07/2022	EHPA LinkedIn page and group	5885 followers	https://www.linkedin.com/posts/ehpa_training-programmes-offered-by-heat-pump-activity-6950714094249254912-szi?utm_source=linkedin_share&utm_medium=member_desktop_web	Event promotion

Social media dissemination	EHPA	Training programmes offered by Heat Pump producers: Installers and manufacturing personnel as the backbone of the heating transition	07/07/2022	EHPA Twitter account	270 impressions	https://twitter.com/helloheatpumps/status/1544948995621101569	Event promotion
Project video presentation	EHPA	Innovative large scale Heat Pump projects: the 3rd Innovation Fund Large Scale Call	27/06/2022	Workshop via MS Webinar in collaboration with DG Clima and EGEC	172 participants	https://www.youtube.com/watch?v=VTFN6Z8JpWc	The aim of the workshop was to raise awareness about the role and new possibilities under the Innovation Fund in the context of the REPowerEU Communication and to collect information about potential Heat Pump related project pipelines, maturity of these projects as well as their market needs and risks.
TRACER project workshop	EHPA	Presentation: Next steps for Jiu Valley transition from coal, 14 July 2022 - TRACER project workshop	14/07/2022	Valea Jiului Romania and online	50 participants	https://www.linkedin.com/posts/dan-stefanica_transition-towards-heat-pumps-an-unmissable-activity-6953333688025681920-PUX5?utm_source=linkedin_share&utm_medium=member_desktop_web	
Online Booth	EHPA	EUSEW 2022 Energy Fair	28/07/2022	https://www.eusew.eu/	6005 followers	https://www.linkedin.com/posts/ehpa_eusew2022-cleanenergyeu-repowereu-activity-695802852133012480-bajr/?utm_source=linkedin_share&utm_medium=member_desktop_web	Event and project promotion
Online Booth	EHPA	EUSEW 2022 Energy Fair	03/08/2022	https://www.eusew.eu/	6005 followers	https://www.linkedin.com/posts/ehpa_renewableenergies-heatpumps-eusew2022-activity-6960489454922780672-xGbh/?utm_source=linkedin_share&utm_medium=member_desktop_web	Event and project promotion
Online Booth	EHPA	EUSEW 2022 Energy Fair	10/08/2022	https://www.eusew.eu/	519 impressions 27 engagements	https://twitter.com/helloheatpumps/status/1557260511691120640	Event and project promotion
Online Booth	EHPA	EUSEW 2022 Energy Fair	19/08/2022	https://www.eusew.eu/	362 impressions 30 engagements	https://twitter.com/helloheatpumps/status/1560592364749537281	Event and project promotion
Event promotion	EHPA	Ambition requires Action - Mutual Recognition Agreements & the Upskilling transformation	01/09/2022	EHPA Twitter account	174 impressions 7 engagements	https://twitter.com/helloheatpumps/status/1565319390677139459	Event and project promotion
Survey	EHPA	3rd HP training schemes in Europe	06/09/2022	EHPA Twitter account	134 impressions 9 engagements	https://twitter.com/helloheatpumps/status/1567070012065603589	Event and project promotion
Online Booth	EHPA	EUSEW 2022 Energy Fair	07/09/2022	EHPA Twitter account	258 impressions 14 engagements	https://twitter.com/helloheatpumps/status/1567400187781414912	Event and project promotion
Online Booth	EHPA	EUSEW 2022 Energy Fair	03/08/2022	https://www.eusew.eu/	6377 followers	https://www.linkedin.com/feed/update/urn:li:activity:6963026261778530304/	Event and project promotion
Online Booth	EHPA	EUSEW 2022 Energy Fair	10/08/2022	https://www.eusew.eu/	6377 followers	https://www.linkedin.com/feed/update/urn:li:activity:6965563654461100033/	Event and project promotion
Online Booth	EHPA	EUSEW 2022 Energy Fair	19/08/2022	https://www.eusew.eu/	6377 followers	https://www.linkedin.com/feed/update/urn:li:activity:6966358161632940032/	Event and project promotion

Event promotion	EHPA	Ambition requires Action - Mutual Recognition Agreements & the Upskilling transformation	01/09/2022	EHPA LinkedIn account	6377 followers	https://www.linkedin.com/feed/update/urn:li:activity:6971085819839139840/	Event and project promotion
Survey	EHPA	3f HP training schemes in Eur	06/09/2022	EHPA LinkedIn account	6377 followers	https://www.linkedin.com/feed/update/urn:li:activity:6972835460133875712/	Event and project promotion
Online Booth	EHPA	EUSEW 2022 Energy Fair	07/09/2022	EHPA LinkedIn account	6377 followers	https://www.linkedin.com/feed/update/urn:li:activity:6973165863113752576/	Event and project promotion
Event promotion	EHPA	Ambition requires Action - Mutual Recognition Agreements and the Upskilling transformation	08/09/2022	EHPA LinkedIn account	7100 followers	https://www.linkedin.com/feed/update/urn:li:activity:6973619874908495872/?a_ctorCompanyId=65413883	Event and project promotion
Event promotion	EHPA	Ambition requires Action - Mutual Recognition Agreements and the Upskilling transformation	12/09/2022	EHPA LinkedIn account	7100 followers	https://www.linkedin.com/feed/update/urn:li:activity:6976178491465560064/?a_ctorCompanyId=65413883	Event and project promotion
Event promotion	EHPA	EUSEW 2022 Energy Fair	14/09/2022	EHPA LinkedIn account	7100 followers	https://www.linkedin.com/feed/update/urn:li:activity:6976485779703255040/?a_ctorCompanyId=65413883	Event and project promotion
Event promotion	EHPA	EUSEW 2022 Energy Fair	18/09/2022	EHPA LinkedIn account	7100 followers	https://www.linkedin.com/feed/update/urn:li:activity:6978299814035783680/?a_ctorCompanyId=65413883	Event and project promotion
Event promotion	EHPA	EUSEW 2022 Energy Fair	26/09/2022	EHPA LinkedIn account	7100 followers	https://www.linkedin.com/feed/update/urn:li:activity:6979049528784003072/?a_ctorCompanyId=65413883	Event and project promotion
Event promotion	EHPA	Ambition requires Action - Mutual Recognition Agreements and the Upskilling transformation	28/09/2022	EHPA LinkedIn account	7100 followers	https://www.linkedin.com/feed/update/urn:li:activity:6979078377311739905/?a_ctorCompanyId=65413883	Event and project promotion
Event promotion	EHPA	Ambition requires Action - Mutual Recognition Agreements and the Upskilling transformation	28/09/2022	EHPA LinkedIn account	7100 followers	https://www.linkedin.com/feed/update/urn:li:activity:6979700744866177025/?a_ctorCompanyId=65413883	Event and project promotion
Event promotion	EHPA	Ambition requires Action - Mutual Recognition Agreements and the Upskilling transformation	28/09/2022	EHPA LinkedIn account	7100 followers	https://www.linkedin.com/feed/update/urn:li:activity:6980473029961158656/?a_ctorCompanyId=65413883	Event and project promotion
Event promotion	EHPA	EUSEW 2022 Energy Fair	29/09/2022	EHPA LinkedIn account	7100 followers	https://www.linkedin.com/feed/update/urn:li:activity:6981190871094284288/?a_ctorCompanyId=65413883	Event and project promotion
Event promotion	EHPA	EUSEW 2022 Energy Fair	16/09/2022	EHPA Twitter account	257 impressions	https://twitter.com/helloheatpumps/status/1570720045239783428	Event and project promotion

Event promotion	EHPA	Ambition requires Action - Mutual Recognition Agreements and the Upskilling transformation	15/09/2022	EHPA Twitter account	148 impressions	https://twitter.com/helloheatpumps/status/1570412818289262595	Event and project promotion
Event promotion	EHPA	#HPForum Ambition requires action – Heat Pump Accelerator for REPowerEU	10/10/2022	EHPA Twitter account	217 impressions	https://twitter.com/helloheatpumps/status/1579418221785935872	Event and project promotion
Event promotion	EHPA	#HPForum Ambition requires action – Heat Pump Accelerator for REPowerEU	28/09/2022	EHPA Twitter account	134 impressions	https://twitter.com/helloheatpumps/status/1575135982835449856	Event and project promotion
Event promotion	EHPA	#HPForum Ambition requires action – Heat Pump Accelerator for REPowerEU	28/09/2022	EHPA Twitter account	357 impressions	https://twitter.com/helloheatpumps/status/1575069937793929216	Event and project promotion
Event promotion	EHPA	Ambition requires Action - Mutual Recognition Agreements and the Upskilling transformation	27/09/2022	EHPA Twitter account	149 impressions	https://twitter.com/helloheatpumps/status/1574707338074001413	Event and project promotion
Event promotion	EHPA	Ambition requires Action - Mutual Recognition Agreements and the Upskilling transformation	25/09/2022	EHPA Twitter account	217 impressions	https://twitter.com/helloheatpumps/status/1573934944996433922	Event and project promotion
Event promotion	EHPA	Ambition requires Action - Mutual Recognition Agreements and the Upskilling transformation	23/09/2022	EHPA Twitter account	215 impressions	https://twitter.com/helloheatpumps/status/1573312567786803201	Event and project promotion
Event promotion	EHPA	Ambition requires Action - Mutual Recognition Agreements and the Upskilling transformation	21/09/2022	EHPA Twitter account	220 impressions	https://twitter.com/helloheatpumps/status/1572599474509479936	Event and project promotion
Participation in Chillventa trade fair	EHPA	Chillventa 2022	11-13/10/2022	EHPA website and EHPA trade fair booth	250+ visitors to booth	https://app.ehpa.org/#/event-details:73	Event and project promotion
EHPA Annual Forum project showcase	EHPA	#HPForum Ambition requires action – Heat Pump Accelerator for REPowerEU	28/09/2022	EHPA website, hybrid Forum via Zoom and offline	100 + participants live, 450+ participants online	https://app.ehpa.org/#/event-details:67	Event and project promotion
Webinar	EHPA	Ambition requires action: mutual recognition agreements and the upskilling transformation	29/09/2022	EHPA website, online webinar via MS Webinar	46 registrations, 31 participants	https://app.ehpa.org/#/event-details:72	Event and project promotion
Conference participation/speaker	EHPA	16th SET Plan conference - Towards a new Strategic Energy Technology Plan	9-10 Nov 2022	Prague	Over 200 participants	https://ec.europa.eu/info/events/16th-set-plan-conference-towards-new-strategic-energy-technology-plan-2022-nov-09_en	Project promotion during session 6A on skills

TYPE OF ACTIVITY	MAIN LEADER /AUTHORS	TITLE	DATE	PLACE	NUMBER OF STAKEHOLDERS REACHED TOTAL NUMBER	LINK TO WEBSITE /SOCIAL MEDIA	BRIEF DESCRIPTION
Social media	CTA	Suministro energético eficiente en edificación. Necesidades y oportunidades.	Apr-22	LinkedIn	1000	https://www.linkedin.com/feed/update/urn:li:share:6927939042156146688/?actorCompanyId=65413883	Repost corporate account
Social media	CTA	Suministro energético eficiente en edificación. Necesidades y oportunidades.	May-22	LinkedIn	5000	https://www.linkedin.com/feed/update/urn:li:activity:6929803849524252672/?actorCompanyId=65413883	Announcing event
Social media	CTA	GA meeting Brussels	May-22	LinkedIn	300	https://www.linkedin.com/feed/update/urn:li:activity:6932991262354501632/?actorCompanyId=65413883	Participation in GA
Social media	CTA	Suministro energético eficiente en edificación. Necesidades y oportunidades.	May-22	LinkedIn	5000	https://www.linkedin.com/feed/update/urn:li:activity:6935265192192716800/?actorCompanyId=65413883	Announcing event
Social media	CTA	Suministro energético eficiente en edificación. Necesidades y oportunidades.	May-22	LinkedIn	5000	https://www.linkedin.com/feed/update/urn:li:activity:693564022323912704/?actorCompanyId=65413883	Announcing event
Social media	CTA	Suministro energético eficiente en edificación. Necesidades y oportunidades.	May-22	LinkedIn	5000	https://www.linkedin.com/feed/update/urn:li:activity:6935929104009453568/?actorCompanyId=65413883	Announcing event
Social media	CTA	Suministro energético eficiente en edificación. Necesidades y oportunidades.	May-22	Twitter	6000	https://twitter.com/CTAndalucia/status/1529432792047706117	Youtube event
Social media	CTA	Jornada Asociación Andaluza de Fabricantes de Equipos de Refrigeración AFA	May-22	LinkedIn	400	https://www.linkedin.com/feed/update/urn:li:activity:6938095656448221184/?actorCompanyId=65413883	Post event
Social media	CTA	Webinar July 6	Jun-22	LinkedIn	400	https://www.linkedin.com/feed/update/urn:li:activity:6946075455292624896/?actorCompanyId=65413883	Post event
Social media	CTA	Ambition requires action: mutual recognition agreements and the upskilling transformation	Sep-22	LinkedIn	100	urn:li:activity:6972835460133875712/?commentUrns=urn%3A%3Acomment%3A%28activity%3A6972835460133875712%2C6972880824845127680%29&actorCompanyId=65413883	Announcing event
Social media	CTA	Ambition requires action: mutual recognition agreements and the upskilling transformation	Sep-22	LinkedIn	5000	https://www.linkedin.com/feed/update/urn:li:activity:6980923001894522880/?actorCompanyId=65413883	Announcing event (Spanish)

Social media	CTA	Rehabiliving	Oct-22	LinkedIn	400	https://www.linkedin.com/feed/update/urn:li:activity:6985145924251496448/?actorCompanyId=65413883	Announcing event
Social media	CTA	II Foro bomba de Calor	Oct-22	LinkedIn	400	https://www.linkedin.com/feed/update/urn:li:activity:6986705530710831104/?actorCompanyId=65413883	Announcing event
Social media	CTA	II Foro bomba de Calor	Oct-22	LinkedIn	400	https://www.linkedin.com/feed/update/urn:li:activity:6988773541617774592/?actorCompanyId=65413883	Post event
Social media	CTA	Chillventa	Oct-22	Twitter	800	https://twitter.com/CTAndaluciaENG/status/1580828409902645249	Post event
Social media	CTA	II Foro bomba de Calor	Oct-22	Twitter	6500	https://twitter.com/CTAndalucia/status/1582341531544985600	Announcing event (Spanish)
Social media	CTA	II Foro bomba de Calor	Oct-22	Twitter	800	https://twitter.com/CTAndaluciaENG/status/1582745979089993734	Announcing event
Social media	CTA	GA meeting Austria	Oct-22	Twitter	800	https://twitter.com/CTAndaluciaENG/status/1583470870089154563	GA meeting October
Event organisation	CTA	Suministro energético eficiente en edificación. Necesidades y oportunidades.	May-22	Sevilla	50	https://www.corporaciontecnologica.com/es/sala-de-prensa/comunicados/Mas-de-50-asistentes-participan-en-la-jornada-de-suministro-energetico-	Press release event
Recording of the event	CTA	Suministro energético eficiente en edificación. Necesidades y oportunidades.	May-22	Youtube	454	https://www.youtube.com/watch?v=HWw70Kx0pIU	Video youtube event
Online press release	CTA	Suministro energético eficiente en edificación. Necesidades y oportunidades.	May-22	CTA web	1000	https://www.corporaciontecnologica.com/es/sala-de-prensa/comunicados/Mas-de-50-asistentes-participan-en-la-jornada-de-suministro-energetico-eficiente-en-edificacion-organizada-por-	Press release event
Participation at conference	CTA	Ambition requires action: mutual recognition agreements and the upskilling transformation	Sep-22	Online	46 registrations, 31 participants	https://app.ehpa.org/#/event-details:72	Event organisation
Participation at EHPA conference	CTA	Heat Pump skills and competencies: a comprehensive framework	May-22	Online		https://www.buildup.eu/en/events/heat-pump-skills-and-competencies-comprehensive-framework	Event organisation
Participation at conference	CTA	II Foro bomba de Calor	Oct-22	Córdoba	50	https://hp4all.eu/hp4II-participates-second-edition-spanish-heat-pump-forum/	Event participation

Participation at conference	CTA		Oct-22	Sevilla	50	https://www.rehabiliving.es/	Event participation
		Rehabiliving					