

Grant Agreement: 767429



Report on the activities of the stakeholder group M60

WP5
Task5.3
Deliverable D5.9



This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No767429.

September 2022

Document history and validation

This page is used to follow the deliverable production from its first version until it is approved by the Coordinator. Please give details in the table below about successive releases.

When	Who	Comments
20220919	IVL, Kristina Lygnerud	Sent V1.0 for review
20220927	EHP, Aksana Krasatsenka John Kapetanakis	Review
20220927	IVL, Kristina Lygnerud	Final version

Authors: IVL

Deliverable No 5.9: Public



This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 767429. The sole responsibility for the content of this document lies with the authors. It does not necessarily reflect the opinion of the funding authorities. The funding authorities are not responsible for any use that may be made of the information contained herein.

ReUseHeat website: www.reuseheat.eu

Summary

In this deliverable, stakeholder activities in months 49-60 of the Reuseheat project are presented. Conclusion on the efficiency of the assumed stakeholder engagement strategy is drawn.

Table of Contents

Contents

1 Stakeholder activity M49-60	6
2 Stakeholder engagement activities related to the trainings and handbook	7
3. Concluding remarks on stakeholder engagement activities in the ReUseHeat project.....	9

1 Stakeholder activity M49-60

Stakeholder activities have been linked to the plan for communication and dissemination. The dissemination and communication activities of the first year (M1-M10) had the focus on awareness raising (communication campaign: task 5.1) before there were any project results, the second phase was about engagement in exchanges with end-users (M11-M48) and dissemination of project results (task 5.2), the last phase has been forward looking (M48-60) and focused on the exploration of future prospects (use in policy and future research).

The stakeholder group was originally established based on organizations that were interested in following the project at proposal stage (supporting the proposal with letters of interest). The group consisted of 16 stakeholders and the idea was to provide the group, that showed interest in the project already in proposal phase by supportive letters and similar, with the latest results from the project on a quarterly basis which was the case until M30 (March 2020). In total, 8 quarterly stakeholder webinars were held for the initial stakeholder group.

During the Covid Pandemic, there was a situation with uncertainties and demonstrator activity being delayed. There was also a large increase in the number of webinars worldwide. Due to the combination of limited new results being generated during 2020 from the demosites and an overload of webinars globally the coordinator decided to pause the stakeholder webinars in Q2, Q3 and Q4 of 2020. Instead, work was initiated to reach a larger stakeholder community with ReUseHeat webinars than the initial stakeholder group.

To reach the larger community. In the period of M49-60, focus was on the continued collaboration with the CELSIUS Initiative and the European Heat Pump Association. More information on these two forms of collaboration is provided below.

The CELSIUS Project and CELSIUS Initiative Collaboration

A collaboration with the project CELSIUS (FP7) was established when the ReUseHeat proposal was drafted. One important takeaway from the CELSIUS project was that information on contracts, risks and business cases was in need of further research. Therefore, in ReUseHeat, one work package was dedicated to this kind of activity. The Coordinator from CELSIUS also agreed to be on the advisory board of the ReUseHeat project. When CELSIUS was finalized, there was a period of negotiation with the Commission and there was a continued financing, referred to as the CELSIUS Initiative targeting to keep the network of interested district heating cities alive (a network with over 60 cities was built in the CELSIUS project). The CELSIUS Initiative, a platform where cities that are interested in district energy could meet and learn from each other was established. The initiative hosted a number of forerunner groups. In particular, ReUseHeat - CELSIUS Initiative collaboration took place with the waste heat recuperation forerunner group. A deeper collaboration with the Initiative started in M30, March 2020. Then the second ReUseHeat half day policy workshop took place in two phases and was organised together with Urban Agenda Energy Transition Partnership Action 2, Celsius Initiative and Euroheat & Power. Thereafter, the collaboration continued in M36, the ReUseHeat datacenter experience was shared with the CELSIUS community by ReUseHeat partner VEO/BSE. In M37, input on principles for contract negotiations were provided by ReUseHeat partner LSE. After this, ReUseHeat partners have presented in CELSIUS webinars on pricing and contracting with waste heat owners, also ReUseHeat partner LSE (Q1, 2021). In Q2, the

ReUseHeat partner EDF participated in a stakeholder engagement webinar of CELSIUS. In Q3, an academic paper on barriers to low temperature heat recovery was presented by LSE in October 2021 and discussed in the forerunner group. In November 2021, VEO/BSE contributed to the Celsius Summit. In April 2022, IVL presented the newly developed ReUseHeat LCOH calculation tool at the Celsius webinar on Energy Security for Cities. Since the activities of the CELSIUS Initiative were to be closed in September 2022, it was decided to host the closing conference of CELSIUS and ReUseHeat jointly.

The CELSIUS Initiative has maintained a toolbox with district energy information from the CELSIUS project. ReUseHeat has fed results into the toolbox on a regular basis. The toolbox will, after September 2022, become part of the Smart Cities Marketplace Wiki, and the Heating and Cooling Initiative will be supported by ReUseHeat partner Euroheat and Power. Thereby information from ReUseHeat will continue to be spread from the Toolbox.

The European Heat Pump Association Collaboration

This collaboration was undertaken with the European Heat Pump Association and the REWARDHEAT project jointly. Together, a review was made of the Energy Efficiency Directive and the Renewable Energy Directive at a point in time when updates were suggested. An output was a policy workshop arranged by REWARDHEAT (Q1, 2022) and a document that is to be published within the EuroHeat and Power Magazine. This work continued the input on low temperature waste heat policies needed that was initiated by the ReUseHeat project (paper published in 2020).

The stakeholder community that has been targeted regularly by ReUseHeat information is the people that registered to get the ReUseHeat newsletter. In M60, 531 people received the bi-annual ReUseHeat newsletter, featuring project results, progress in demo site implementation, ReUseHeat webinars, scientific publications and in the last year (M49-60) dedicated ReUseHeat trainings. In the final technical report, the communication and dissemination activities performed in the period of 49-60 is included for further detail on stakeholders that were reached.

2 Stakeholder engagement activities related to the trainings and handbook

During the last year of ReUseHeat (M49-M60), there was much activity to reach relevant stakeholder groups with new knowledge generated in the project. A training package was designed, it features potential analyses and system modelling: module 1, business model, contracts, risk and bankability: module 2, and four modules dedicated to the demonstrators (one module each). Four training events were held digitally and 71 people registered for the sessions. The distribution of attendees is summarized in the table below. A majority of them came from energy companies (19 people), energy consultancy firms (18 people) and academia (19 people). There was an overrepresentation of energy companies and energy consultants, accounting for more than half of the registered. This was to be expected when dealing with topics such as energy and energy reuse. The representation of academic organisations was also elevated probably reflecting that there is interest in the novel knowledge generated in ReUseHeat. The content of the trainings and issues discussed with the participating stakeholders is summarized in D 6.3 and in the Handbook, D6.2. In sum, it was identified that the trainings were efficient ways to transfer knowledge from ReUseHeat to stakeholders with an interest in urban heat recovery.

19	Energy Company
18	Energy Consultant
1	NGO
1	Manufactures
5	Technology Providers
1	Owners of heat
4	Industrial Organization
19	Research/Academia
3	Governmental

The handbook was due in March 2022, when six months remained of the project. As a result of delays in the project there were not complete sets (12 months) of monitoring data for all demosites at the end of March. The consequence was that the handbook would have to be updated with the last data in the final month of the project. This situation generated an opportunity to include feedback on urban heat recovery and the ReUseHeat solutions from stakeholders interested in the project results. It was therefore decided that the feedback from the ReUseHeat training sessions during the period of April-May 2022 and final conference would be included in the book as an own chapter. Please view the Handbook D6.2 for more detail on the stakeholder feedback.

In addition to the four dedicated training sessions held in Q2, 2022, six recordings were made. The videos are approximately 30 minutes each targeting: (1) urban waste heat potential, (2) business aspects, (3) datacenter heat recovery, (4) hospital heat recovery, (5) metro heat recovery and (6) awareness rising of the urban waste heat recovery opportunity. The videos remain on the webpage of the project until it is closed in 2024. In addition to the videos, the handbook summarizing project results is on the webpage. Thereby it is assumed that interested stakeholders can continue to take part of main ReUseHeat results also after the closing of the project. 600 printed copies of the handbook will be distributed to stakeholders within 6 months of project closure.

It is also decided that after project end, the training modules and the book will have a continued spread and life in the context of university education. Through the DHC+ Platform (The knowledge hub for district energy) where the Coordinator of ReUseHeat is Chair a collaboration has been established between IVL and HAWK University (in Göttingen). A master level course will be designed and given in the period of October (2022)-February (2023). The course material will be built on work in the ReUseHeat project and the REWARDHEAT project. From ReUseHeat, the trainings and handbook will be featured. From REWARDHEAT a digital application a gamification of district energy for different decision makers will be included.

3. Concluding remarks on stakeholder engagement activities in the ReUseHeat project

The initial idea was to build a stakeholder group based on stakeholders that showed an interest in ReUseHeat already at proposal stage. This strategy was realized at the beginning of the project and 8 webinars (quarterly) were performed for this group. However, with the Pandemic, the way that we work with digital media changed. All of a sudden there was an overflow of webinars and similar leading ReUseHeat to identify another strategy for engaging stakeholders.

The collaboration with first the CELSIUS project and later the CELSIUS Initiative created a wider community to spread the ReUseHeat findings to. Through the network of CELSIUS ReUseHeat was exposed to all targeted stakeholder groups: DH companies, waste heat owners, investors in green energy solutions, customers and policy makers. Other collaborations have also resulted in a real impact in terms of identifying shortages in urban waste heat recovery policy, like the collaboration with the European Heat Pump Association and project REWARDHEAT.

To conclude, the strategy for identifying and connecting with relevant stakeholders for urban waste heat recovery in combination with various communication and dissemination activities has been efficient. Efficiency is reflected by numbers: the twitter account of the project has 800 followers, the newsletter is subscribed to by 528 people and the webpage has had 13 643 visits (more information is found in D 5.3).