Grant Agreement: 767429

Information management

WP1
Task T1.1
Deliverable D1.3

This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 767429.

30/09/2019

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
27/09/2019	CAR	First version. Updating note on T1.1 information management
30/09/2019	IVL	Final version. Revised by coordinator

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Deliverable No. D.1.3: (PUBLIC)

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ReUseHeat website: www.reuseheat.eu

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1. Information management: updating note

ReUseHeat T1.1 defined and developed an online survey and the corresponding database to organize the input information received, with the purpose of identifying potential locations for urban excess heat recovery across Europe, including quantified technical details of the different cases. This activity was reported in D1.1 and D1.2.

The objective of this document is to briefly describe ReUseHeat activity for continuous information management related to T1.1 database.

Unfortunately, since the online survey was launched in July 2018 the response rate has been very low and those efforts expected for the management of the collected inputs needed to be dedicated to the deploy alternative measures aiming at increasing the number of relevant/useful responses received through the survey.

Two main actions were carried out since April 2019 for this purpose:

1.- Survey simplification.- The original set of questions included in the survey was seen as a potential obstacle discouraging respondents to complete the questionnaire and provide useful inputs. For this reason, the survey was substantially simplified, so that key relevant information remains but the external stakeholder (as potential respondent) finds it simple and interesting to complete the process.

2.- Dissemination and survey publicity. – Survey dissemination was reinforced through the website, frequent posts into social media and project dissemination events. Moreover, and above all, it was decided to link the survey promotion and motivation strategy to the foreseen tasks in WP6, particularly with the development of 5 pre-feasibility studies. In this sense, a dedicated dissemination campaign was launched, in which relevant stakeholders have been encouraged to respond the brief survey based on the motivation to participate this way into a 'competition' and thus have the opportunity to receive from ReUseHeat project a 1 of 5 pre-feasibility analyses for urban waste heat recovery in their facilities.

The result of these mitigation actions proposed to face the risk of a low response rate of the survey has neither been successful so far.

Currently, the following count of potentially useful survey responses is:

- 6 responses from external stakeholders (4 out of 6 received after the 'competition campaign')
- 4 responses from sites linked to ReUseHeat demonstration activity during a given phase of the project (particularly, Nice, Bucharest, Madrid La Paz and Madrid Severo Ochoa)

Table 1. Summary of survey responses received up to September 2019

#	Country	Sector / Use case	Waste heat recovery potential (MWh/yr)	Waste heat available temperature (ºC)
1	Spain	Hospitals	1000 - 100000	20 – 40 ºC
2	Spain	Hospitals	Not known	40 – 60 ºC
3	France	Sewage water	1000 - 100000	< 20 ºC

4	Romania	Underground transport	500 - 1000	20 – 40 ºC
5	Germany	Data centers	500 - 1000	40 – 60 ºC
6	Norway	Data centers	1000 - 100000	60 – 80 ºC
7	Romania	Data centers	10 - 100	20 – 40 ºC
8	France	Data centers	Not known	20 – 40 ºC
9	Spain	Underground transport	Not known	20 ºC
10	Spain	Sewage water (industrial)	<10	100 ºC

2. Conclusion and next steps

As a direct conclusion of the above-mentioned results, it is concluded that the response rate is too low in order to conduct a relevant management of information to organize and post-process in a semi-automatic way the received inputs. The planned purpose of this management would be to derive conclusions about available urban waste heat potential and also feed in the next activities of the project (particularly potential mapping and dissemination).

In this context, within October 2019 (in the framework of the next Project GA meeting) the task leader, WP leader and Project coordinator will together propose to the consortium 2-3 different alternatives to re-define the scope of the survey-related information gathering and management, so final decision will be made.

If the derived actions turn to be successful in the upcoming months of the project, results derived from the management of the effectively-collected survey-based information, D1.7 and D1.8 will report the corresponding updates of this activity by M36 and M48 respectively.