

D 7.4 Report on Communication, Dissemination and Dialogue Actions

[First version]



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Technical References

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¹ PU = Public

PP = Restricted to other programme participants (including the Commission Services)

RE = Restricted to a group specified by the consortium (including the Commission Services)

CO = Confidential, only for members of the consortium (including the Commission Services)

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Summary

The target of WEDISTRIC project is to demonstrate 100% fossil-free heating and cooling solutions by optimally integrating multiple sources of renewable energies and excess heat in new and existing district heating and cooling (DHC) systems. For this, nine upgraded renewable solutions for DHC generation were planned to be integrated into four real DHC sites in Spain, Romania, Poland and Sweden during the course of the project. Unfortunately, the DHC sites in Poland had to be cancelled and in Spain it had to be move to a different location. Now the project covers three real and 11 virtual demo-sites across Europe.

Effective communication and dissemination of WEDISTRIC project's progress and results is of major importance if we are to maximise the impact of the project and achieve long lasting results.

All project partners have been allocated resources in the WP7 Dissemination, Communication and Citizens Engagement in order to maximise the visibility of the project. The leader of the WP7 is the European Science Communication Institute (ESCI).

Altogether, in Januar 2023 – more than 90 journalistic articles, TV/radio interviews or web articles have been published. The project members have presented WEDISTRIC at least at more than 40 different stakeholder/national and international meetings and conferences – partially even in extra sessions and due to the pandemic mainly remotely. Furthermore, more than 30 scientific articles and conference papers have been published in mostly peer-reviewed form in international scientific journals.

Within the projects first three years, the social media channels Twitter, LinkedIn and the Website have been established with almost 1000 followers/fans altogether.

Due to the demo site changes, the awareness campaigns for end-users could not be finished in Alcala, Spain. Therefore, a general strategy has been developed for all demo sites and the dialogue actions with the general public will concentrate on the realised demo-sites in Sweden, Romania and the new location in Spain, Córdoba.

As major delays caused an extension of many parts of the project, all Communication, Dissemination and Dialogue actions will continue - until the new end of the project – also with an updated version of this report.





Spelling Guidelines

Standardised British Spelling should be used in all documents. Generic terms are spelled in lower case, specific terms and proper names are spelled with initial capitals.

Disclaimer

This publication reflects the author's view only and the European Commission is not responsible for any use that may be made of the information it contains.





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1. Introduction

The European research project WEDISTRIC is developing 100% fossil-free District Heating and Cooling (DHC) solutions based on local renewable energy sources (RES) in at least nine different countries under very different climatic conditions – being tested in three real-life demo sites and eleven virtual demo sites across Europe.

According to Article 29 of the Grant Agreement, all partners were required to communicate and disseminate their results. Furthermore, all partners are requested to “promote the action and its results, by providing targeted information to multiple audiences (including the media and the public) in a strategic and effective manner”, according to Article 38 of the Grant Agreement.

The technologies, as well as the types of buildings that can benefit from the project’s results vary greatly - from industrial to residential, from old to new - therefore the communication and dissemination activities will have to target very diverse audiences, making multi-lingual communication necessary.

All partners were therefore proactively participating in communication and dissemination measures on local and European scale in to reach a European-wide audience in local languages and/or English.

The main communication goals for WEDISTRIC – as outlined in the first version of the Communication and Dissemination Master Plan D7.1 - were:

- **Raise awareness and interest** of potential end-users and energy providers about the project results;
- **Increase the attractiveness** of "renewable" district heating and cooling systems among citizens, business communities and decision-makers;
- **Foster the acceptance** of WEDISTRIC technologies by end-users and other stakeholders;
- **Engage in a dialogue** with stakeholders and potential end-users of the project solutions in order to **foster exploitation** of the WEDISTRIC results;
- **Build a community** of actors committed **to replicate** the WEDISTRIC solutions in other European cities and countries;
- **Provide new insights** to the scientific community in the areas of district heating and cooling systems and renewable energies and **inspire further research**.

In the first months of the project the communication focus was lying on raising general awareness and interest about the project among wider audiences.

At the mid stage of the project, when the first results become available, communication and dissemination activities were focussed on timely release of results and updates, tailored to different target audiences.





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Currently, in the late mid stage, where some demo sites are already in place while others are being modified, the communication measures concentrate on promoting these first results to the identified target groups as identified in Deliverable D7.1 (See Figure 1).

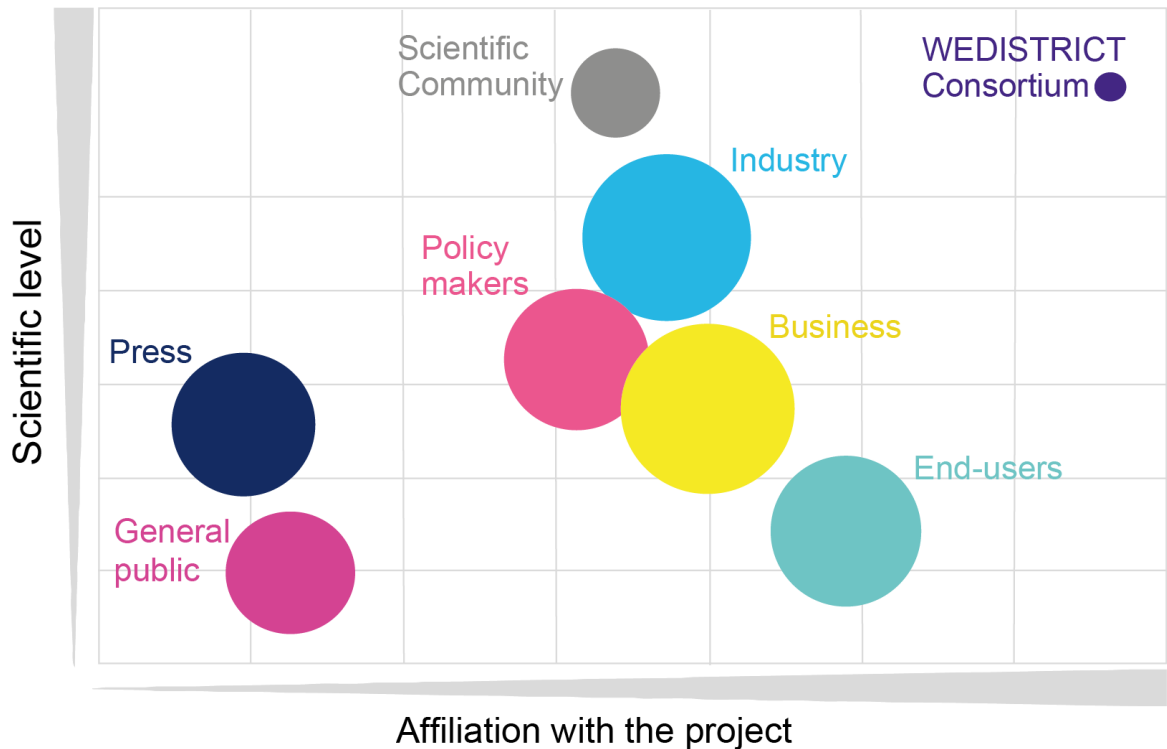


Figure 1 - Target groups in relation to the key messages

All further details on the communication strategy can be found in the Communication and Dissemination Master Plan – public deliverable D7.1 – downloadable on the project website that was developed in the first three months of the project and will be updated as well.

As – due to increasing social media use and the pandemic – major changes in the media landscape happened during the project, some measures had to be adapted to changed scenarios in order to reach the goals of the communication strategy.





2. Produced Communication Material

As the WP7 leader, ESCI produced most of the communication material to strengthen the impact of the project. This material could be used and adapted to different channels and target groups. This was enabling all the project partners to communicate to their national or regional stakeholders in a consistent way.

2.1. Visual Identity

After analysing the projects' focus and traits that had to be conveyed through its brand identity, ESCI defined the visual identity of the project. The project logo in different formats, including 4 demo site logos, colour palette, as well as templates for the deliverables and Power Point presentation were created. Additionally, ESCI created icons for the more than 10 technologies of the project, which reflect the core of the technologies.

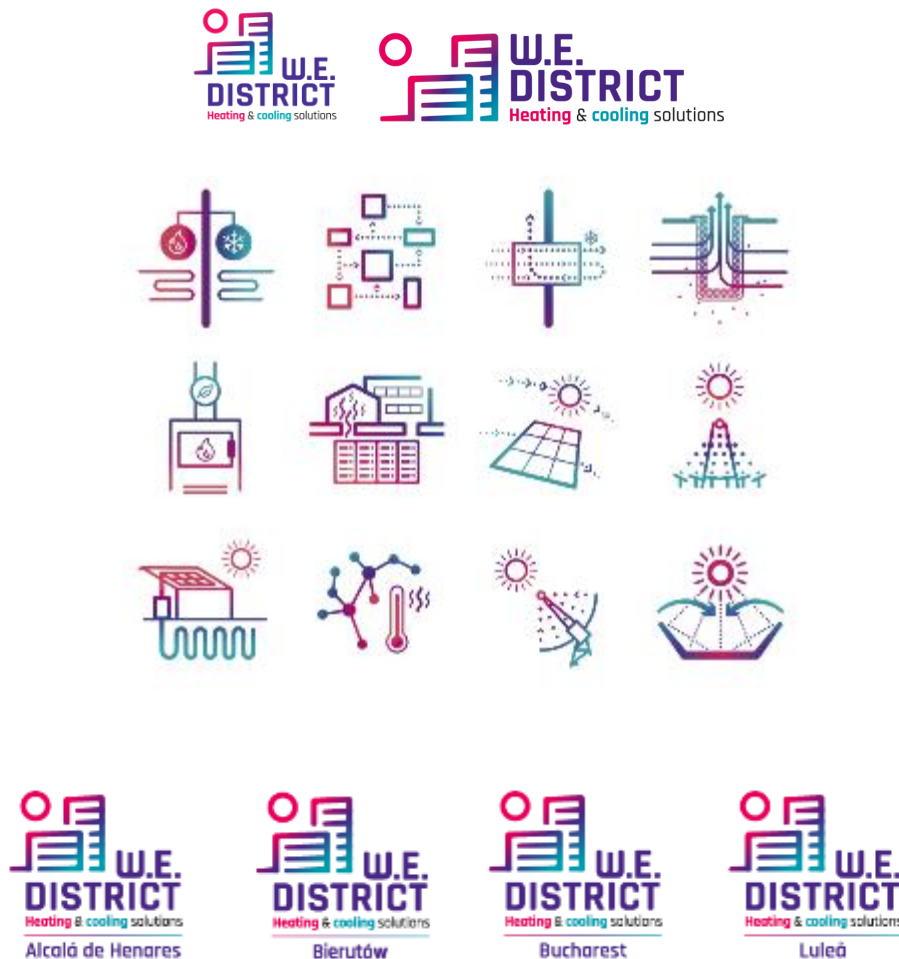


Figure 2 – Project logos (first row); logos for the different renewable energy technologies (rows 2 to 4) and logos for demo sites (last row) – all developed by ESCI





2.2. Powerpoint Presentation

A project presentation was prepared in M5 and distributed to all consortium partners in the WEDISTRICT visual identity. This presentation is a helpful tool to explain the project framework, main technologies and later – main project results on conferences and other events. The presentation can be adjusted by the partners, depending on the event and their contribution to the project.



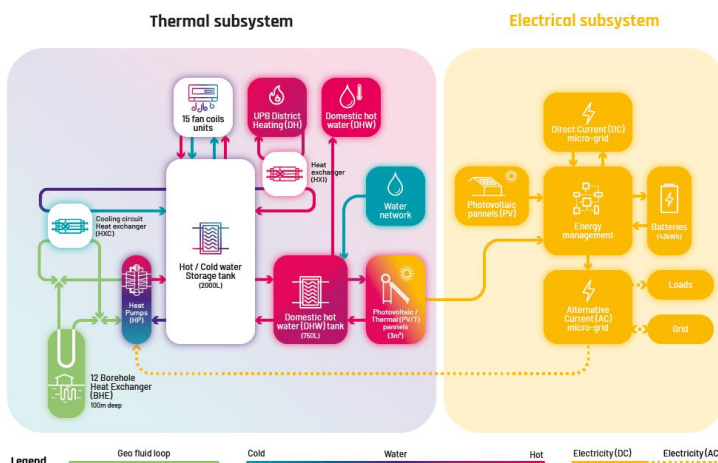
Figure 3 - Exemplary pages of WEDISTRICT Powerpoint Presentation

Due to constant changes in partners, demo site and other conditions, the Power Point has been and has to be updated regularly. A version is available for download from the project website.

2.3. Graphic material

2.3.1. Infographics

In order to explain the project, the technologies and the demo sites, several appealing infographics have been produced and are being used for promotional use on the website, for presentations, posters, brochures, journalistic articles and on social media.





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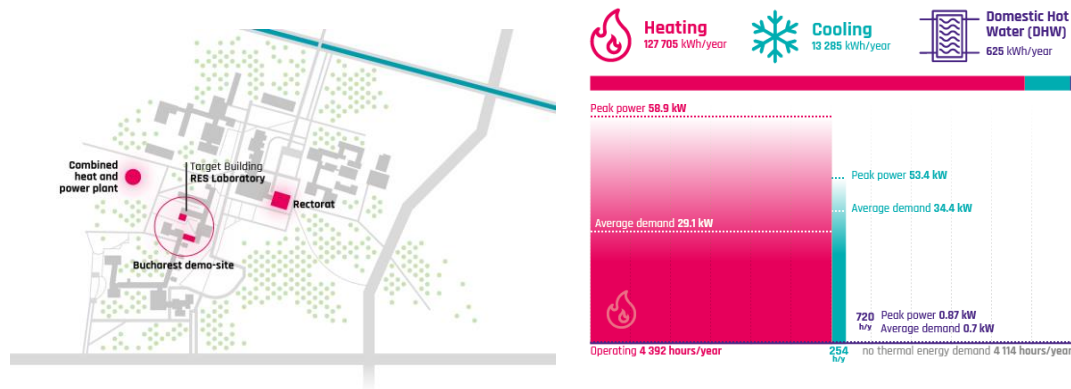


Figure 4 – Infographics for the Bucharest demo site visualizing the technologies, energy consumption and location

These infographics can be used on all sorts of communication materials including Powerpoint presentation, posters, brochures, etc.

2.3.2. Social media tiles

For several social media campaigns, social media tiles have been produced.



Figure 5 – Social Media tiles: Christmas Wishes (left); GreenHouseGas info (right)

2.4. Posters and Roll-Ups

To respond to the many opportunities for static display or visual support, posters and roll-up posters were being designed, made available for all consortium members to produce and use themselves and modifies when necessary.

The posters display the key facts about the project, with a call to action for further engagement.

They can be easily transported to meetings and conferences.





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Figure 6 – Researchers in Bucharest next to Roll-Up

Furthermore and updated Roll-Up has been produced and printed before the general assembly meeting in October 2022.

2.5. Brochures

2.5.1. Project brochure

A project brochure has been created by ESCI at the beginning of the project in order to support project communication at workshops, fairs and other events.

The brochure has four pages and informs about the important aspects of the project.

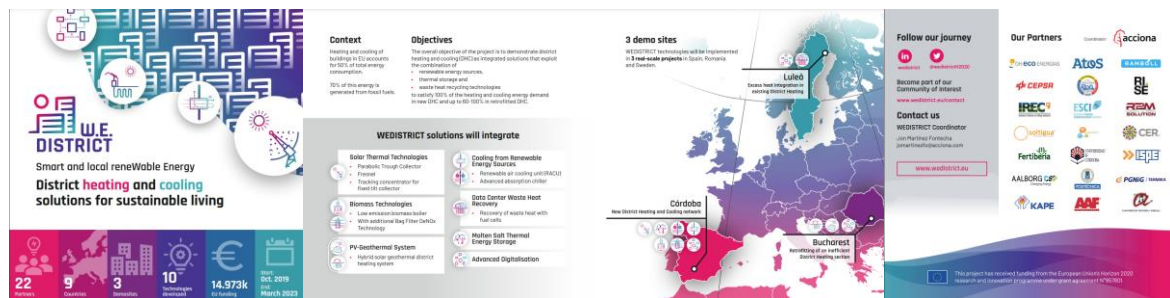


Figure 7- Project brochure WEDISTRICT – 4 pages- Update October 2022

Printed versions have been sent to all partners for their communication and dissemination activities.

Necessary changes – like the cancellation of demo sites – made an update of the brochure necessary. Therefore, further copies have been printed and distributed.

The project brochures have been printed with a size of 148x148 mm and are also available online on the WEDISTRICT.eu website in the Resources section for download.





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2.5.2. Demosite Bucharest brochure

For the demo site in Bucharest a brochure has been created by ESCI in close cooperation with UPB.

These demosite brochures have been printed with a size of 148x148 mm and are also available online on the WEDISTRICT.eu website in the Resources section for download.

This brochure has been translated to Romanian and is therefore also accessible to another target group in Rumania.



Brochure are also planned for the other demo site in Spain and Sweden.

2.6. Other printed materials

Next to the printed communication material mentioned above, further materials were produced in order to show belonging to the project and the funding by the European Commission.

For example, large and small size stickers have been produced and printed at demo sites in Córdoba, Lulea and Bucharest



Figure 8. Large size stickers on equipment in Córdoba, Lulea and Bucharest

This makes it easier for visitors, journalists and other stakeholders to understand and communicate about the project, the technologies and their components.





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Figure 9. Printed communication material – brochures, lanyards, stickers

Furthermore, lanyards with name tags have been produced for the General Assembly meetings and press conferences to know each others names. Due to the high amount of partners involved, it is not possible to know each other.

On top of this all these little things – like name plates for the guests of the press conferences, sign posts to find ones's ways at meeting places have been produced by involved partners to communicate a feeling of professionalism and belonging.





3. Produced Content

As the WP leader, ESCI was responsible for producing content in close cooperation and support of all partners. However, some partners were more involved than others. At demo sites, the local partners were responsible for evaluating and communicating the necessary requirements which is location and environment dependent. The content produced is a great success of the hand-in-hand collaboration.

3.1. Press releases

Press releases were written throughout the duration of the project covering the most significant achievements and milestones reached by the project – mainly in form of social media messages due to the changing conditions of the media structure. The European Community Research and Development Information Service (CORDIS) has for example finished its press release services at the end of 2021. Therefore, the other platform AlphaGalileo was also only used for major releases.

ESCI wrote the first press release of the project at its beginning, announcing its Kick-Off, describing its objectives and putting the concept of district heating into a historical perspective. The press release was published on the social media channels of the project and later on linked on the website. Participating partners were also releasing their own messages on their social media channels.

For example, Fertiberia published a press release on March 5th 2021 about the thermal storage technology in salts that was recognised as ‘European Radar Technology’ by the European Commission.

A further press release for common webinar with Alliance4ECEI at EUSEW Days is: “Digital tools as enablers of more efficient energy consumption in industrial waste heat/cold recovery webinar” <https://www.alphagalileo.org/en-gb/Item-Display/ItemId/224660>.

Press release for Press conference, demosite presentation and general assembly meeting in Bucharest:

“Fossil-free heating and cooling system demonstrator installed at University Politehnica of Bucharest”

<https://www.alphagalileo.org/en-gb/Item-Display/ItemId/226439>

A VI-a reuniune științifică în cadrul Proiectului European H2020 WEDISTRICT va avea loc la UPB

<https://upb.ro/calendar-evenimente/a-vi-a-reuniune-stiintifica-in-cadrul-proiectului-european-h2020-wedistrict-va-avea-loc-la-upb/>





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3.2. Journalistic articles

Many journalistic articles have been produced or initiated by the all project partners. The full list can be found in [Annex 7.2.](#)

3.3. Quick-Fire-Interviews

Quick-Fire-interviews are written or filmed short interviews with spontaneous quick responses. 12 of them were planned for the whole project time covering all parts of the project to disseminate their contents.

In M9 ESCI interviewed Jon Summers from RISE on the Luleå demosite and the key technologies.



Interview with Jon Summers on the future for data center energetic waste

22 June 2020

A new future for data center energetic waste Jon Summers at the Data Center World Frankfurt 2019 Jon Summers, Scientific ...

■ Interview

[Read more](#)

In M14 ESCI interviewed Prof. Manuel Ruiz de Adana Santiago from the University of Córdoba on the RACU technology and the future of indoor air management systems in the COVID-19 world.



Interview with Manuel Ruiz de Adana Santiago

23 November 2020

Manuel Ruiz de Adana Santiago, Head of Research Group in Applied Thermal Engineering at the University of Córdoba talks to ...

■ Interview

[Read more](#)

In M22 ESCI interviewed Dr. David Gomez from ATOS on 16digitalization in the DHC sector, energy consumption of digital services and WEDISTRIC Advanced Digitalisation Platform.





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Interview with David Gomez on Advanced Digitalisation Platform for DHC systems

16 July 2021

Dr. David Gomez Fernandez, R&D Engineer at Atos Research & Innovation, talks to ESCI about digitalisation in the DHC sector, energy consumption of digital services and WEDISTRIC Advanced Digitalisation Platform.

All articles were published on the WEDISTRIC website and promoted over the social media channels.

In M34 the researchers involved in the Bucharest demosite at the Faculty of Energy Engineering of the University Politehnica of Bucharest were interviewed for further for quick-fire interviews. Associate Professor Constantin Ionescu, Prof. Roxana Patrascu, Prof. Mihai Sanduleac and Prof. Cosmin Marculescu could help describe the set-up and the impact of the retrofitted DHC system.

Their answers can be viewed in the Bucharest demosite video produced by ESCI. The full interviews will be published also in written versions in 2023.

3.4. Produced Videos

For each demo site at least one video should be produced to explain the project, the technologies used, their benefits for the environment, society and business. As the Polish demosite has been cancelled and the Spanish demosite has been moved, no videos have been produced there.

The ESCI-Team produced two videos at the Bucharest demo site together with the UPB Team to explain all elements of the retrofitted DHC system.

The Swedish demo site video will be produced in 2023.

3.4.1. Bucharest Demosite – part 1

In order to understand the complex system combining geothermal energy, solar energy and the intelligent energy management system at the University Politehnica of Bucharest, the interesting parts of the process of groundwork installations was accompanied by a filming team.

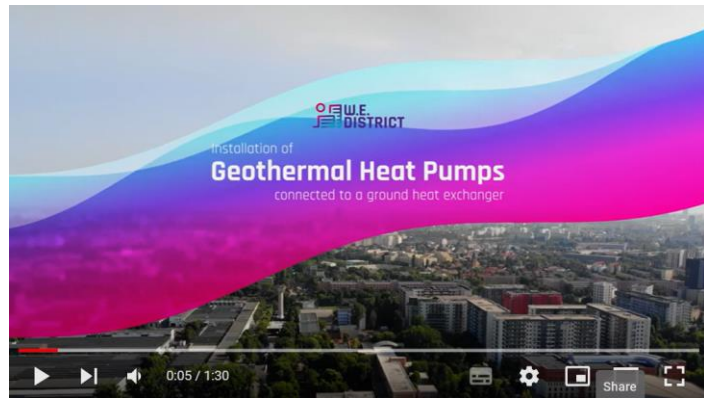




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To explain the first part of the demo site – the geothermal installations in Bucharest, a film team has filmed the drilling of the holes for the pipes. The video has been produced by ESCI.

The (01:30 min) film has no voice over, but uses tiles to explain the construction works.



The video has been filmed in Bucharest in 2021 and released on YouTube on 14 Feb 2022 with the title “Ground source heat pump system implemented in Bucharest demo-site”



Figure 10 – Screenshots from first demo site video at Bucharest on YouTube showing the ground works on UPB campus.

The publication of this video was also supported by social media posts.

3.4.2. Bucharest Demosite – part 2

To give a complete overview over the Romanian demo site, the remaining parts of the demonstrator have been filmed in summer 2022. Next to four interviews with the experts from UPB, filming of the components, also a drone was used to film the setting from above. This filming was organised by ESCI and coordinated by UPB.





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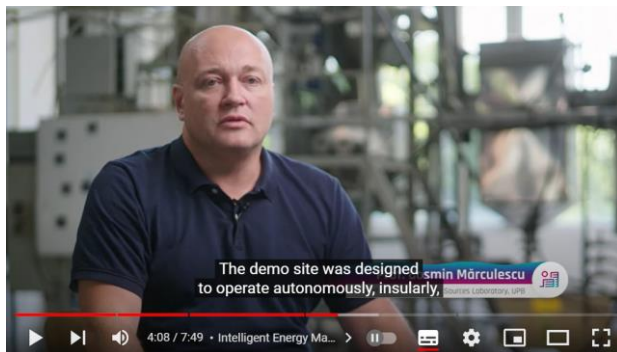


Figure 11 – Screenshot from interviews with UPB experts: Assoc. Prof. C. Ionescu (top left), Prof. Mihai Sanduleac (top right), Prof. Cosmin Marculescu (bottom left), Prof. Roxana Patrascu (bottom right)



The filming material was then further processed by the ESCI producing team and finalized including several narrators, small animations and subtitles.

On October 24th 2022 a final, long video (7:49 min) of the Bucharest demo site produced by ESCI “Retrofitting of an Inefficient Section of a District Heating System” was published under a “press only” link. At the same time a press conference was organized (see chapter 6). At least four different TV stations used the footage to implement them into their news at different times.

The official public release of the YouTube video was on November 1st 2022.

As of 31st of December 2022, the video was viewed at least 1080 times.



Retrofitting of an Inefficient Section of a District Heating System

1.1K views • 2 months ago



This project has received funding from the European Union’s Horizon 2020 research and innovation programme under grant agreement N° 857801



3.5. Scientific Publications

Although WEDISTRIC is an Innovation Action, it was expected that the project develops a significant amount of research results which will be disseminated to different key scientific journals and events.

13 peer-reviewed journalistic publications have been published so far in international journals next to 19 – mostly also peer-reviewed – conference papers and 2 book articles. Most of them are published by gold open-access standards.

Some publications have also been promoted on social media.

The full list of scientific publications can be found in the [Annex 7.2](#)





4. Online Communication channels

The advances and results of the project were being communicated and disseminated through multiple channels in order to reach various target audiences. Online communication channels, such as the WEDISTRICK website and social media accounts are playing a prominent role. The online communication activities are aimed at increasing awareness about the project among large audience, including general public, decision-makers, press, etc.

4.1. Project website

The project website was launched in February 2020. During the first phase of the project the website presented the main objectives of the project, description of the demonstration sites and main technologies that the project will be working with. It establishes links to social media channels and publishes relevant updates. The website has an engaging design, user-friendly navigation and language. The website will be maintained until the end of the project. ACCIONA revised the texts before they were published on the website. Together with R2M Solutions, the website was used to build a community and get eleven follower sites engaged as virtual demosites.

Therefore, the website was updated in October 2021 with information and details about the solutions for the 11 follower -or virtual- demo cases SeiMilano, Montegancedo Campus, Playa del Inglés, Tecnoalcalá, Independencia, Parc de l'Alba, Cyprus University, Żyrardów, Valladolid, Focsani and Mrągowo.

In the same way, the website has been updated continuously including the new contacts details, in addition to the event calendar where visitors can see DHC-related activities, organised by other projects and organisations.

All produced resources like presentations, brochures and videos can be found on the website as well as most of the papers.

As the demo site in Poland and Spain were changed in summer 2022, the website had to be adapted accordingly.

4.1.1. Website Performance

The monitoring of the WEDISTRICK project website is done with Matomo. This tool tracks the website performance and audience reached (taking into account GDPR).

From 1st of October 2020 to 31st of December 2022 WEDISTRICK's website received more than 12 000 visits. On average, each visit lasted for 2 minutes and 17 seconds.





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	Oct '20 - Sep '21	Oct '21 - Sep '22	Total
	M13-M24	M25-M36	M13-M36
Total visits	4.082	6.083	10.165
Returning visits	1.340	1.071	2.411
New visits	2.742	5.012	7.754
Pageviews	9.522	13.391	22.913
Unique pageviews	7.602	10.861	18.463
Average visit duration	2 min 27s	2 min 11s	2 min 17s
Actions per visit	2,6	2,4	2,5
Max actions in one visit	37	78	78
Total searches on the website	0	7	7
Bounce rate	57%	57%	57%
Downloads	566	941	1.507
Unique downloads	526	860	1.386
Outlinks	520	555	1.075
Unique outlinks	434	483	917

In June 2021 (M21) a new interactive map called: Share of District Heating and Cooling across Europe was created by Ramboll & ESCI. The map shows an overview of the market penetration of DHC systems and how it varies strongly amongst the EU member states. This is the most-clicked website despite the starting pages.

The map is on the website on the following link: <https://www.wedistrict.eu/interactive-map-share-of-district-heating-and-cooling-across-europe/>.

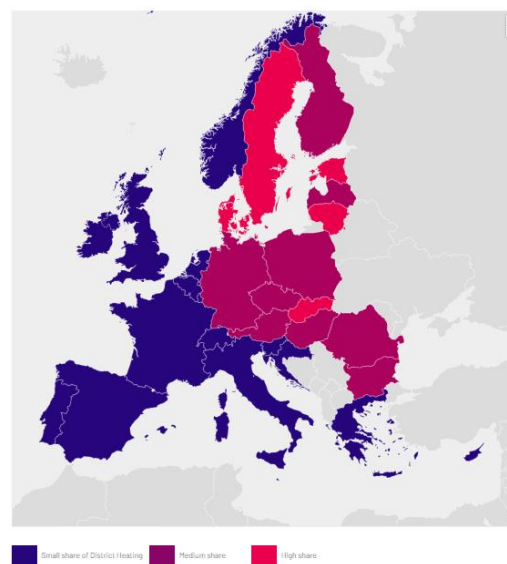


Figure 12 – Most clicked website picture: Interactive map with valued on DHC systems





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Figure 13 – Monthly visitors on website from October 2020 to December 2022

4.1.2. Visitors

Most visitors arrived at the website by either typing the URL or clicking on the bookmarked URL (direct visits). However, in the last 12 months the number of visits from search engines has also increased.

Many visitors also come from social media, though the most interesting visitors are those coming from other websites because they stay on the website longer than any other. Visitors coming from social media sites are those spending the shorter time on the website and taking fewer actions. It is possible they only read the webpages or resources shared via LinkedIn or Twitter.

Regarding visitors coming from social media sites, they are mostly from LinkedIn and to less extent from Twitter. A few are from Facebook but they don't stay on the website (higher bounce rate)

Out of 5000 analysed visits, most are from Spain. This is also the case for most LinkedIn fans and several Twitter followers are also from Spain (see sections below). Several visitors are also from Germany and the USA.

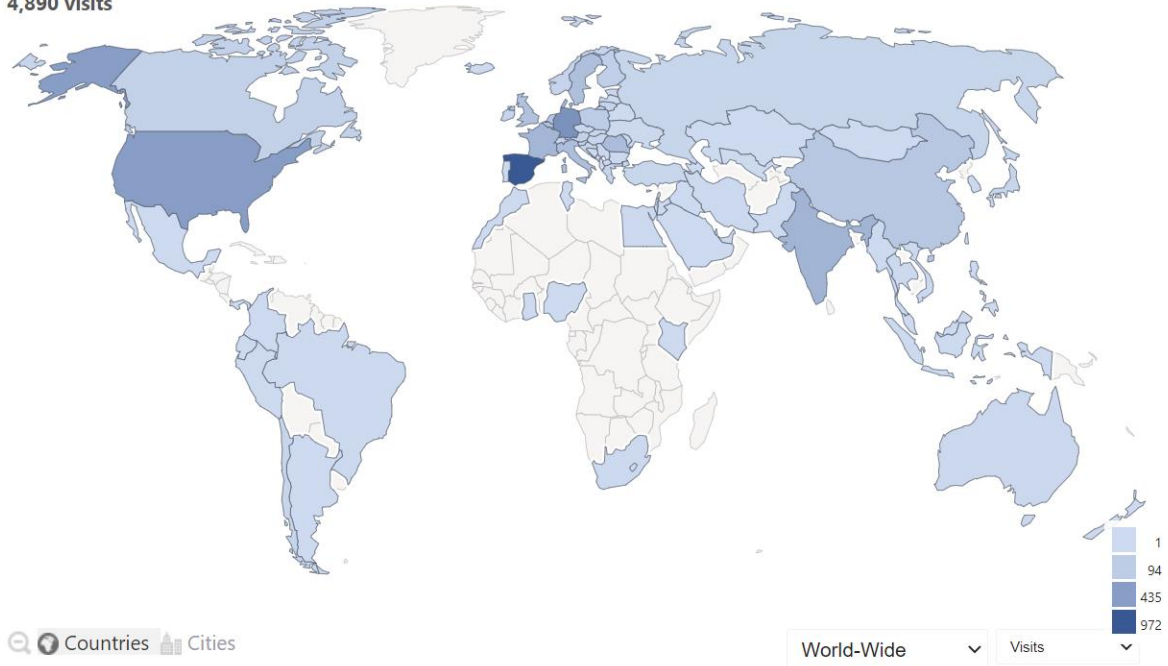




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Visitor Map

4,890 visits



Top 10 country

COUNTRY	VISITS
Spain	19.9% 972
Germany	10.8% 530
United States	8.9% 435
India	5.5% 271
France	5.2% 253
Denmark	4.5% 220
Romania	4.4% 213
Italy	3.9% 192
Sweden	3.8% 186
United Kingdom	3.4% 167

Figure 14 – Visitors on the WEDISTRIC T website on a world map and listed





4.2. Social media channels

The LinkedIn account and the twitter channels have been launched in October 2019. The Twitter channel has been launched in October 2019.

ESCI has been monitoring the social media performance of the project, using the analytics of the platforms, as well as Digimind insights and later to Falcon insights that was renamed into Brandwatch recently. Due to the change in tracking software, not all data will be shown in the graphs.

Together, both social media channels have almost 1000 Followers/Fans in January 2023:

Channel	Followers in M6	Followers in M12	Followers in M18	Followers in M30	Followers in M40
Twitter	100	201	266	319	474
LinkedIn	100	182	257	372	520

In M1-M6, the project posts got estimated 10.000 impressions on LinkedIn and 6.500 on Twitter. The most popular posts are those directly related to the project activities (the Kick-Off Meeting, project participation at COP and the virtual General Assembly).

As of M12, the Twitter account had 201 followers and LinkedIn 182 – double the numbers of M6.

In M7-M12 the project posts got 40.000 impressions on Twitter and 8.000 on LinkedIn. The most popular post was the one featuring the interview with Jon Summers – one of the few posts in this period that was directly referring to the project architecture.

The following analysis will mainly cover M9 to M40.

4.2.1. LinkedIn Fans

Since the beginning the number of supporters on LinkedIn has been continuously growing. As can be seen in the following graph, the number of fans grows almost linear with an average of 10 followers per month.

The following chart shows the LinkedIn fan growth over the last 30 months.





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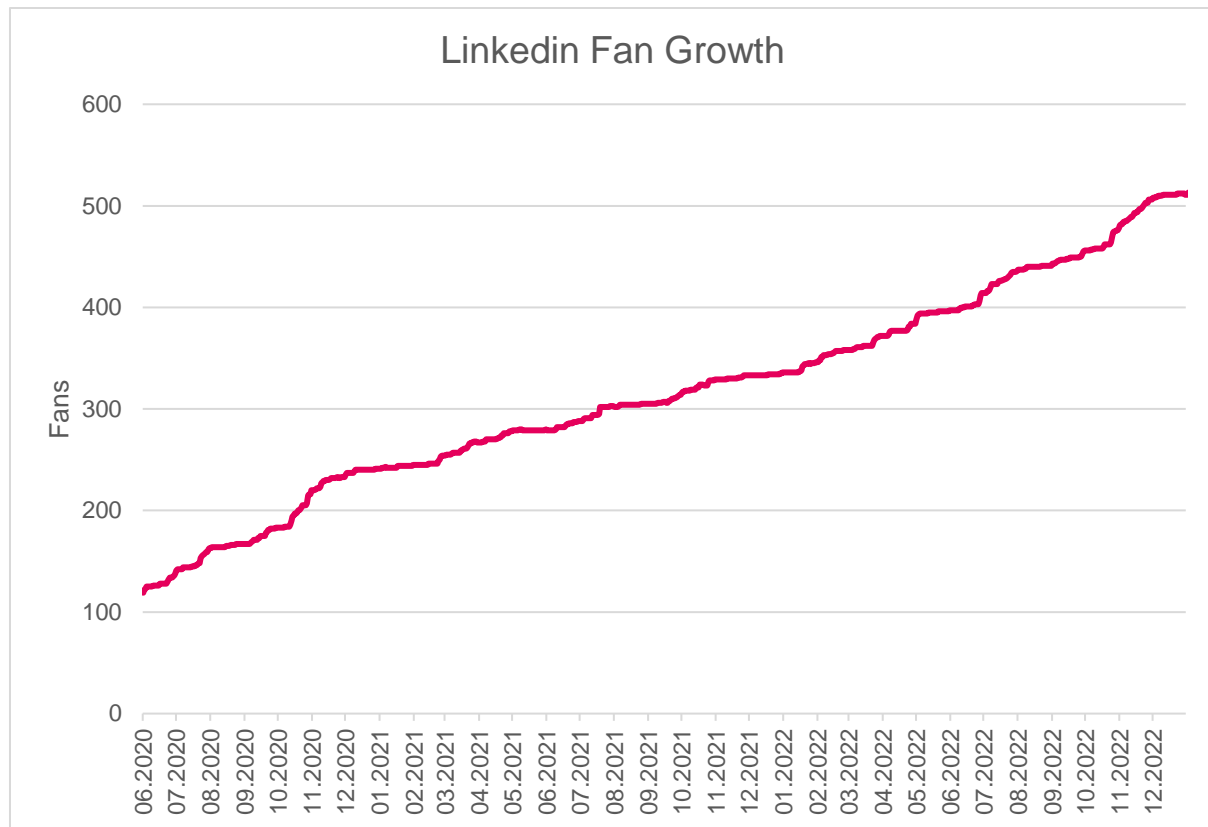


Figure 15 – LinkedIn Fan numbers from June 2020 to December 2022

4.2.2. Fans analysis

All fans gained are organic, none of them were paid fans (i.e., fans who have followed the page as a result of seeing an ad). The number of organic net fans was higher in 2020, but stabilized in 2022 again.

Most fans work in engineering, business development or operations. 142 fans have an entry position, while 127 have a senior role. 32 fans are directors and 32 are managers as can be seen in Figure 16A.

This is also in agreement with the project participants and the desired target group. On one hand project participants will be informed about newest developments within the project – like publications, events and applications, on the other hand the target audience will be informed about all activities of the project.





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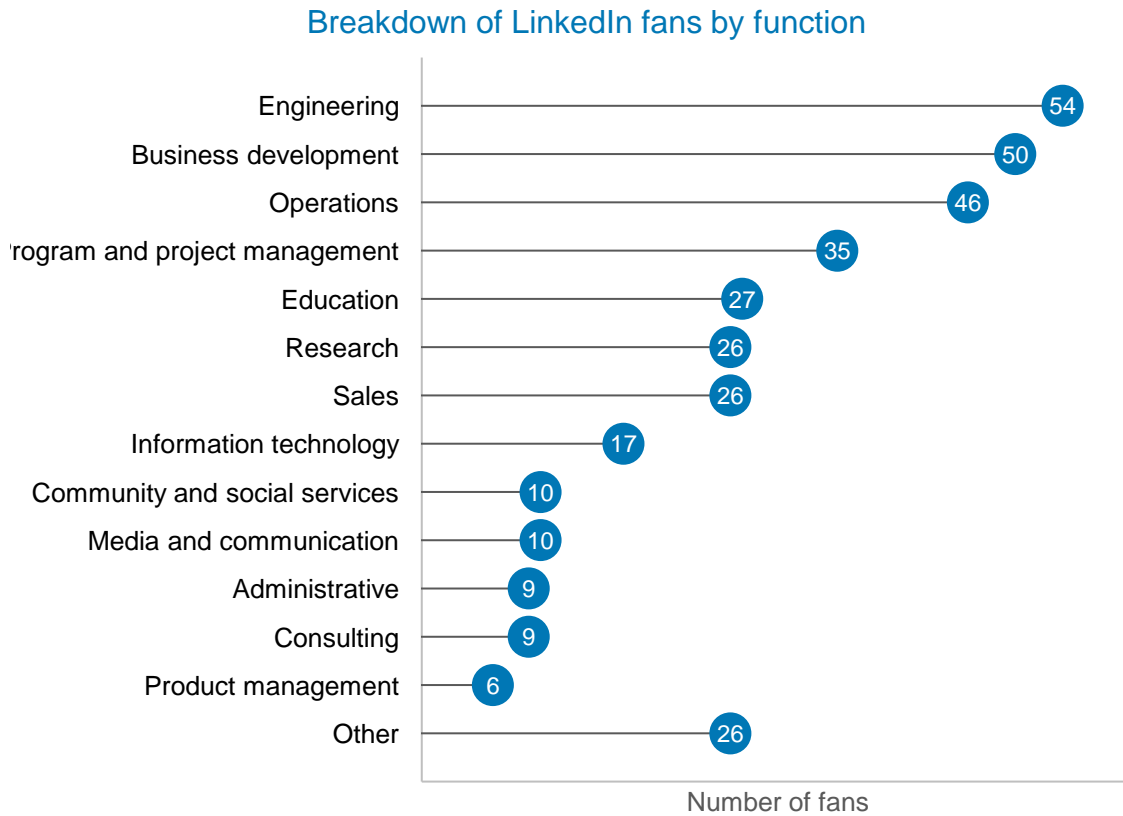


Figure 16a The fans are from different countries all over the world. However, most of them are located in Europe, especially in Spain (136). Several fans are from Romania (32), Italy (29), France (21), United Kingdom (19), Sweden (18), Belgium (16), and Germany (15).



Figure 16B – World map with LinkedIn Followers in blue





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4.2.3. Content performance

As can be seen in the following table – and although not all data from the first year was available for comparison due to the change in tracking software – the period of the second project year (from M13 to M24) was more successful than the first year or the third year although the number of posts was almost twice as much in the latter year (64 compared to 34 posts from M25 to M36).

While the impressions decreased slightly from 39.062 to 32.141 as well as the number of shares, comments and clicks, the number of fans increased continuously.

	Jun '20 - Sep '20	Oct '20 - Sep '21	Oct '21 - Sep '22	Total
	M9-M12	M13-M24	M25-M36	M9-M36
Posts	16	34	64	114
Fans	183	314	455	455
Net new fans	64	130	143	336
Organic net fans	64	130	143	336
Impressions	1.729	39.062	32.141	72.932
Reach	NA	26.400	18.288	44.688
Engagement rate	NA	2,63%	NA	NA
Engagements	245	1.029	905	2.179
Interactions	NA	2.566	2.335	4.901
Reactions	201	891	836	1.928
Shares	31	96	53	180
Comments	13	42	28	83
Clicks	323	1.614	1.415	3.352

This resulted for the months M9 to M36 in at least 73.000 impressions on LinkedIn, a reach of 45.000 and 4.900 interactions. Together with the impressions from the first months, this sums up to more than 80.000 impressions.

The different terms are defined as follows:

Impressions: The number of times any content from the channel entered a person's screen. LinkedIn gives two different numbers of impressions: one number indicates how many times the posts and the page have been seen.

Reach: The number of people who had a post from the channel enter their feed. (On LinkedIn analytics, these are called 'unique impressions').

Interactions: The reactions, comments, shares, and clicks on a post.





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4.2.4. Top LinkedIn posts

The posts that generated most impressions but also good engagement are shown in the following table:

	Date	Post	Impressions	Engagement rate	Type of engagement
1 June 2022 - 31 December	2022 27 Oct	After three days of extensive presentations, exchange and discussions (at GA)	2.134	43.1%	High number of clicks (920), reactions (74)
	2022 28 June	Interactive map: Share of District Heating and Cooling across Europe - Wedistrict	2.334	3.9%	High number of clicks (91), comments (6)
1 June 2021 - 30 May 2022	2022 23 Mar	#WeDistrict is developing clean, smart and flexible district heating and cooling solutions.	2.700	2,23%	Highest number of impressions, reactions (52), comments (5) and clicks (145)
	2021 9 Jul	Last week we started the installation works for the geothermal heat exchanger...	2.500	1,95%	Most shared post (9). It also generated impressions, 51 clicks and 40 reactions (no comments).
1 June 2020 - 31 May 2021	2021 23 Feb	The installation of new equipment is about to start at our demosite in the University POLITEHNICA of Bucharest.	11.300	0,92%	Highest number of impressions, reactions (94), and clicks (231).
	2020 9 Nov	#WEDISTRCT has received its first award - the Sustainable Development Award	3.500	3,39%	High number of impressions, highest number of reactions (94), comments (13) and shares (11). 157 clicks.





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Furthermore, private LinkedIn posts from other project members gained high reach comparable to the Top LinkedIn posts of the WEDISTRIC channel.

4.2.5. Twitter Followers

The number of Twitter supporters also grows continuously since the beginning of the project in October 2019.

However, the growth is not as linear as for LinkedIn. There is a steep rise until spring 2021, then a stabilization and a high growth from summer 2022.

The following chart shows the number of followers over the last 30 months.

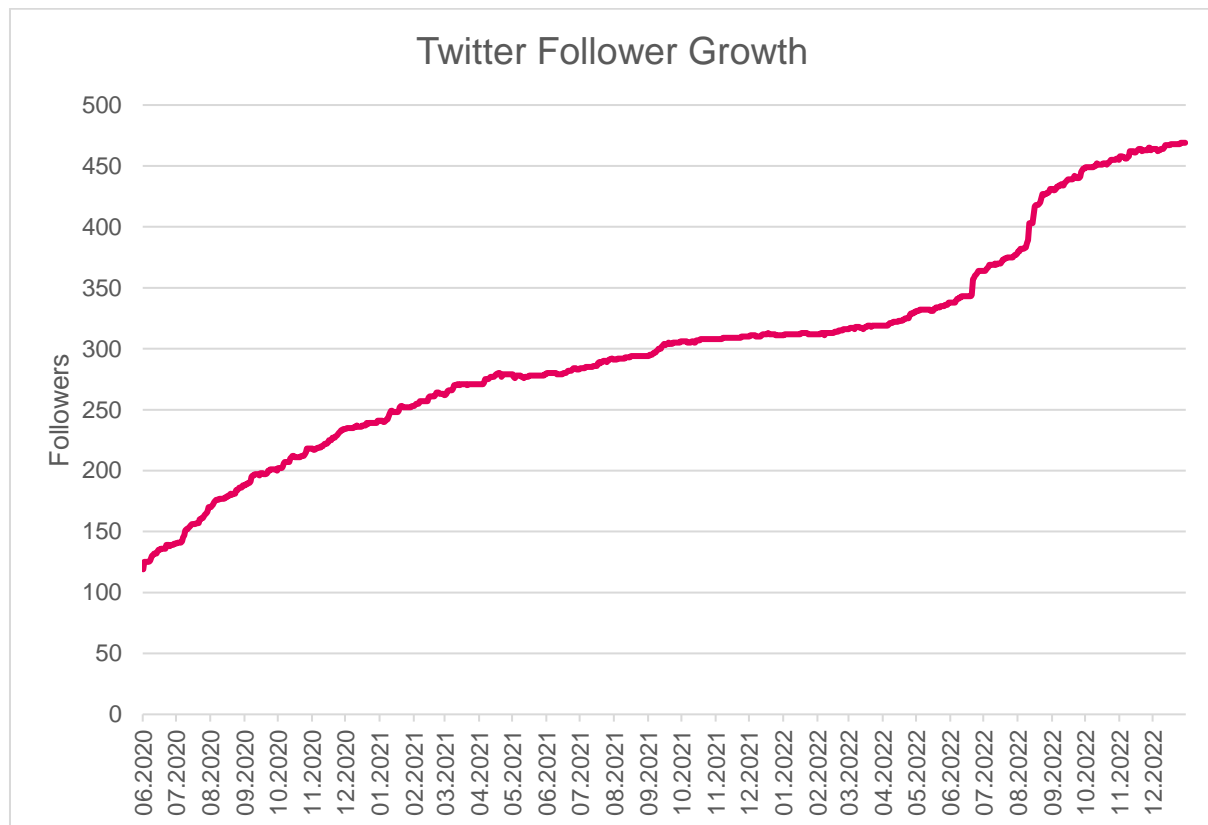


Figure 17 – Twitter Follower Growth from June 2020 to December 2022

Although some followers have disappeared from Twitter due to a massive movement to the free social media platform Mastodon in November 2022, the numbers are still growing. This is a good sign that people are interested in the content.





4.2.6. Follower analysis

The online tool [Followerwonk](#) has been used to get an idea of the followers' demographics. This tool generates a word cloud with the most common words in the followers' biographies. Apparently, most followers are related to Horizon2020 projects and/or are interested in energy and sustainability solutions and developments.



Figure 18– Word cloud of Twitter account according to Followerwonk.com

Another tool by Followerwonk predicted that 11% of the followers are female and 22% are male (67% are undetermined). Moreover, 60% of the followers have English set as official language on Twitter, 10% set Spanish and 30% other languages.

Most followers were from Europe, in particular from Belgium, Spain, Germany and Italy. However, there are a few followers from other continents too.

As for LinkedIn the follower group, this resembles the project participants and the targeted stakeholder group.

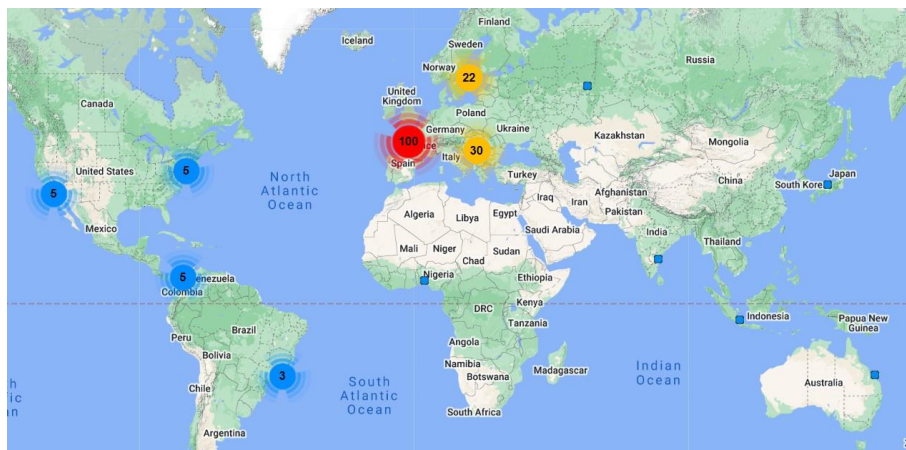


Figure 19 – Map of location of Twitter followers as shown by Followerwonk.com tool





4.2.7. Twitter Content performance

As for the LinkedIn account, the Twitter account didn't perform as well in the last year as in the previous years. The reach and the number of impressions decreased drastically in the months M25-36 compared to the previous year. However, it is also true that fewer original tweets were published in the last months, and many posts were retweets (which cannot be tracked with tracking tool Falcon). Moreover, while in the previous year the account posted 6 videos, it didn't post many videos.

The number of replies didn't vary across the two years. Most of the tweets generated likes and shares (i.e., retweets and quotes) rather than replies.

	Jun '20 - Sep '20	Oct '20 - Sep '21	Oct '21 - Sep '22	Total
	M9-M12	M13-M24	M25-M36	M9-M36
Tweets	41	52	56	149
Fans	201	305	448	448
Net new fans	83	97	139	330
Tweets and retweets	NA	224	362	586
Impressions	15.349	28.500	14.427	58.276
Reach	11.835	20.807	8.525	41.167
Engagement rate	1,68%	2,26%	2,18%	2,04%
Engagements	257	410	314	981
Interactions	470	868	651	1.989
Likes	183	320	252	755
Shares (RTs)	73	91	57	221
Quotes	8	12	17	37
Replies	NA	6	6	12
Link clicks	21	53	65	139
Video views	261	70	-	331

There is a tweet that wasn't as popular as the others, but has the highest number of link clicks >> [A brilliant analysis of 8 efficient DHC systems in Denmark, France, Germany, Italy, Lithuania and Spain, an overview of national contexts and replicable key success factors in one publication](#) (19 Feb 2021).

In total, posts on Twitter were shown more than 58.000 times from M9 to M36.



4.2.8. Social Media Content and Campaigns

The regular content of the social media channels was mainly nurtured by project members that sent photos from conference or events they planned to visit or had visited, announcements, new scientific publications, new staff, press releases, information and registration information on webinars, status of demo site, new information materials or journalistic articles. Here we show some examples.

Furthermore, a social medial campaign was started in March 2022 (M30), to inform about the 11 virtual demosites on the social media channels, commencing with Montegancedo Campus. This campaign was created to increase the engagement with the followers and the number of visitors on the website. A graphic for each demosite was created to accompany every post, displaying the name of the demo site and the icons of the technologies proposed.



Figure 20 – Virtual demo site campaign examples on Twitter (left) and LinkedIn (right)

On LinkedIn the text included information about the targeted area, and detail information about the proposed solutions, besides the link to the page where the specific virtual demo site is displayed on the WEDISTRICK website. On Twitter, since the restriction on the text extension applies, the text was shortened.

In order to find experts for a consultation EU survey on the 4th and 5th generation DHC systems, a campaign “DISTRICT HEATING AND COOLING CHALLENGE!” was started on both social media channel to reach the respective experts. This was repeated in December 2022 and shared by stakeholder networks DHC+ and the Alliance4ECEI, wherein WEDISTRICK is a cooperation partner.



Figure 21 – Twitter post about EU survey



5. Dissemination activities - Stakeholders

Dissemination activities are focussing on knowledge and information transfer towards specific communities: industry stakeholders, researchers, policymakers, etc. in order to foster exploitability of the project results.

In contrast to the communication measures, dissemination activities are mostly organised and conducted by the partners themselves, by R2M solutions or stakeholder networks like the European research projects network Alliance4ECEI.

The list of all organized and reported, attended events including webinars, meetings and national or international conferences can be found in the [Annex 7.3](#)

5.1. Workshops / Webinars

The meetings listed here are referring to encounters with external stakeholders.

Due to the pandemic and the large amount of remote meetings, the number of in-person meetings was very reduced.

Instead, workshops and webinar e.g. within the frames of the DHC+ Talks and the WEDISTRICt organized session "Integrated of Renewables in DHC for Sustainable Living" at the Sustainable Places 2020 Conference could help communicating the WEDISTRICt project plans and results. Some webinars are available on the WEDISTRICt homepage (>Resources >Webinars).

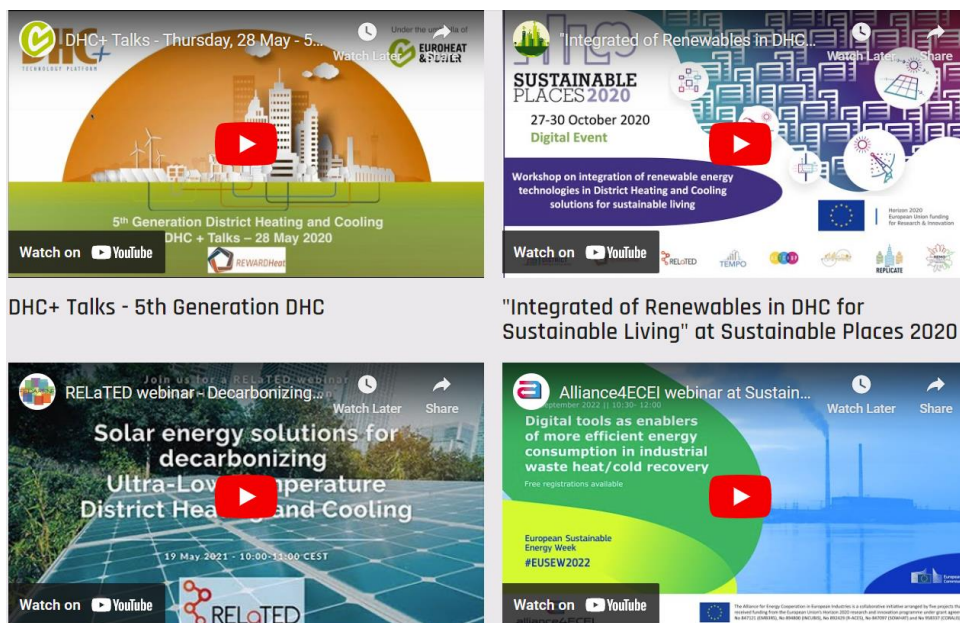


Figure 22 – Webinars with active or passive participation on Website





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WEDISTRICK also participated at several sessions of Sustainable Places 2022 like the renewable energy technologies paper session with Paolo Taddeo from IREC: (<https://www.youtube.com/watch?v=lygA3vBDLxo>) or the workshop on sector coupling with Constantin Ionescu (UPB) and Javier Ruiz (ATOS) (<https://www.youtube.com/watch?v=3JLBKPaX66Q>)

5.2. European Networks and Platforms

To contribute to the specific objective of “common information and dissemination activities to increase the visibility and synergies between H2020 supported actions, WEDISTRICK participated and interacted with several projects and platforms also funded by the European Commission.

5.2.1. H2020 project network: Alliance4ECEI

In March 2022, WEDISTRICK joined the "Alliance for Energy Cooperation in European Industries" Alliance4ECEI as a collaborator. This is a group of several European Union's Horizon 2020 projects focused on waste heat recovery and industrial energy cooperation. The incorporation of WEDISTRICK has been announced in both WEDISTRICK social media channels, the website and the Alliance4ECEI channels in addition to a press release on the Alliance website.

Those channels also supported social media posts from WEDISTRICK and helped sharing information amongst the network.

The Alliance4ECEI organized a 90-minute webinar within the Sustainable Energy Days of the European Sustainable Energy Week (EUSEW 2022). The video of the webinar can be found on the website or on the Alliance4ECEI YouTube channel.

Furthermore, one alliance partner, the soWhat project, invited the Alliance4ECEI to their final event in order to share more information on the projects amongst project partners. The WEDISTRICK project coordinator, Jon Martínez Fontecha from Acciona presented the project here.



Project WeDistrict is new collaborator in the Alliance4ECEI

10. March 2022

The Alliance for Energy Cooperation in European Industries (Alliance4ECEI) is happy to announce that the WeDistrict project has joined us as a collaborator. WeDistrict (Smart and local reneWable Energy DISTRICT heating and cooling solutions for sustainable living) objective is to demonstrate District Heating and Cooling as an integrated solution that combines renewable energy systems, thermal ...

[Read More »](#)





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Figure 23 – Social Media Image: J. Martínez Fontecha presenting WEDISTRIC at final event of SoWhat

5.2.2. Celsius Initiative

In September 2021 WEDISTRIC was part of the Celsius Initiative publication: Advancing District Heating & Cooling Solutions and Uptake in European Cities. A comprehensive overview of the EU funded projects that advance the state of the art of District Energy networks.

<https://celsiuscity.eu/new-celsius-publication-advancing-district-heating-cooling-solutions-and-uptake-in-european-cities/>

WEDISTRIC connected to partner projects especially over social media channels and support each other in distributing information on district heating topics.

5.2.3. Horizon Results Booster Cluster: SoPowErful

In 2022, the project was asked to join the Horizon Results Booster “SoPowErful” project cluster with the EU-projects APOLO and IN-POWER to disseminate project results together. The Horizon Results Booster platform is an initiative of the European Commission. The three projects are interacting to create a common dissemination video in 2023.

Furthermore, the result “Molten salt validation” by Fertiberia had been selected for dissemination by the Horizon Results Booster platform.





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5.2.4. Horizon Results Platform

Partners with some Key Exploitable Results are preparing their application to the Horizon Results Platform (HRP). In particular, one Key Exploitable Result, the Command and Control Suite for the Advanced Digitalization of DHC Systems, has been already uploaded in 2022 on the HRP ([available at this link](#)). Others are in preparation.

5.2.5. Build Up Cooperation (CINEA funded)

The online platform BUILD UP – “the European portal for energy efficiency in buildings” funded by the European Commission’s European Climate, Infrastructure and Environment Executive Agency (CINEA) offered a cooperation for dissemination purposes.

Since the beginning of the project, WEDISTRICK has been mentioned at least six times on their website, with a recent article on the General Assembly Meeting in Bucharest and the respective demo site brochure.

<https://www.buildup.eu/en/news/wedistrict-consortium-met-installation-fossil-free-heating-and-cooling-demonstrator-university>

The portal also supported the EU survey to find experts on 4./5. Generation DHC systems.

5.3. Meetings and Conferences

Due to the pandemic, most meetings and events were only taking place online at the beginning of the project. However, this changed from 2022 and more in-person meetings could be attended.

All partners are actively participating at external events like fairs and conferences on district heating and cooling as these provide opportunities for in-depth discussions and exchange of knowledge. Relevant events are being identified by the partners during the project lifetime.

Each partner has access to the promotional pack to represent the project. The partners are encouraged to have an active role during the events, such as giving a talk, having a stand or a poster. Information about these events and project contribution is being distributed through the social media platforms and published on the project website.

The project partners reported at least 48 visits to meetings and workshops with local, national and also international audiences with different impact. For more info see also [Annex 7.3](#).





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Almost all partners attended on October 6th 2021 a special 2-hours open session for WEDISTRICKT which has taken place at the International Conference on Polygeneration 2021 (ICP 2021). https://polygeneration2021.i3a.es/wp-content/uploads/2021/10/W3_WEDISTRICKT_v3.pdf

Furthermore, WEDISTRICKT was presented at the Sharm el-Sheikh Climate Change Conference #COP27 at the session "Business experiences on the road to decarbonization" in November 2022.





6. Dialogue Actions – Demo sites

Due to the cancellation of the demo sites in Poland and the changed demo site in Spain (see Deliverable 7.3 Acceptance Dialogue Strategy), the implementation of the Dialogue actions of the Acceptance Dialogue Strategy could not be conducted as planned.

Therefore, all communication measures of the remaining, successful demo sites targeted towards the general public with high impact will be summarised in this chapter.

Some examples are shown in the following chapters. The full list can be found in [Annex 7.1](#)

6.1. Acceptance campaign for end users

The Acceptance campaign for end users was planned for the demo sites in Poland and Spain only. In M6, ESCI created the first draft of the Action plan for the Acceptance Dialogue Strategy, which was discussed with the involved parties during the first General Assembly. ESCI also started the background research on the attitudes of Polish and Spanish citizens towards district heating and cooling, as well as towards renewable energy sources, such as biomass, solar and other. Interviews were drafted and conducted in Alcalá de Henares, Spain, and an intensive analysis thereof was conducted for the Acceptance Dialogue, identifying the key factors that influence the social acceptance of renewable energy technologies as well as DHC, such as social norms, environmental and financial concerns, fear of new technologies, etc. The research was also taking into account the fact that in the Spanish demosite people will be affected at their workplace, while in the Polish demosite – at home.

Unfortunately, both locations faced major external problems and their status was for a long time unclear. After three years the Spanish demosite had to be finally moved onto a university campus in Córdoba and the Polish demosites had to be cancelled completely.

Therefore, the deliverable “Acceptance Dialogue Strategy” D7.3 has been finished without further specific demo site information and outlines the further general structure for an Information or Acceptance Campaign depending on the basic parameters of the concerned demosite. An acceptance level scoring was developed for an estimation of the expected external barriers. If no hindrances are present (Green acceptance level), an information campaign will be organized at demo sites by the local partner supported by ESCI. In case of major financial, legal or external hinderances, no acceptance campaign will be started unless the obstacles have been removed. In case of the Polish demosite, this led to cancellation of the demosite. For Spain, it was possible to move the location from Alcalá to Córdoba – with major delays.





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In the case that only minor to intermediate civil resistance to the renewable energy updates is expected, an acceptance campaign will be out-rolled as needed. The local project managers have to decide on the acceptance level and will be supported by ESCI on all measures needed for an appropriate campaign.

The dialogue actions of this report will therefore focus on all the measures targeted towards the general public at the remaining demo sites - as no private end-users are involved at any demo site – as was planned at the beginning of the project for Poland and Spain. This is a combination of Subtask 7.1.4 and Task 7.2 – Acceptance Campaign for End Users addressing similar issues.

6.2. Demo site in Bucharest, Romania

The Demonstrator in Bucharest started running successfully in summer 2022. To inform the public and the other stakeholders about this a press conference was held on October 24th 2022 with special guest and TV coverage.

At the same time several journalistic articles were published in English and Romanian to achieve a high reach. Demo site tours are being offered to understand the installed technology systems.

More information on the supporting materials like the brochure in English and Romanian, posters etc. can be found in the previous chapters.

6.2.1. Press conference

On October 24th, 2022 a press conference was held at the University Politehnica of Bucharest to present the new demo site that started operating in June 2022.

Together with the former Romanian Minister of Energy and member of the governing board of the European Institute of Innovation and Technology (EIT) Assoc. Prof. Răzvan Nicolescu, the rector of the Polytechnical University Mihai Costoiu, the dean of the faculty of energy engineering Diana Robescu and the project coordinator of WEDISTRIC Jon Martinez Fontecha, the local project manager Assoc. Prof. Constantin Ionescu presented the new demosite and the demosite video.



Assoc. Prof. Ionescu at press conference





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The press conference was organized in close cooperation with the UPB public relations team that also made the Romanian press release, invited the journalists and took pictures. The press conference was moderated by ESCI.



Figure 24 – Press conference at the UPB (left), university rector M. Costoiu giving an interview (right)

The Romanian announcement and more pictures of the press conference at the UPB can be found [here: https://upb.ro/calendar-evenimente/a-vi-a-reuniune-stiintifica-in-cadrul-proiectului-european-h2020-wedistrict-va-avea-loc-la-upb/](https://upb.ro/calendar-evenimente/a-vi-a-reuniune-stiintifica-in-cadrul-proiectului-european-h2020-wedistrict-va-avea-loc-la-upb/)

6.2.2. TV appearances

Several TV teams were present at the mentioned press conference, interviewing projects managers and special guests about the impact of the demonstrator for the University, Romania and beyond.

Furthermore, other TV teams were visiting in the upcoming days to film the Bucharest demo site.

The event - including demo site presentation - was covered mainly by 1-2 minutes news reports on many Romanian news channels like Digi24, Focus Prima TV, EuroNews Romania, Antena3 CNN at several news slots.

Exemplary TV news coverage can be found here:

Digi 24 - a 24-hour Romanian news television channel:

„Inovație pentru facturi mai mici la energie. Politehnica București propune un sistem hibrid cu două avantaje majore”



<https://www.digi24.ro/stiri/economie/energie/inovatie-pentru-facturi-mai-mici-la-energie-politehnica-bucuresti-propune-un-sistem-hibrid-cu-doua-avantaje-majore-2129029>





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Antena3 CNN Romania - Romanian news channel owned by Antena 3 S.A. and Exclusive News Partner of CNN International in Romania:

Soluția ingenioasă pentru reducerea costurilor la încălzire | Descoperirea făcută de specialiștii de la Universitatea Politehnica

<https://www.antena3.ro/emisiuni/news-hour-with-cnn/solutia-ingenioasa-pentru-reducerea-costurilor-la-incalzire-655356.html>

Soluție inovativă pentru costuri minime la căldură și la current

<https://www.antena3.ro/economic/solutie-inovativa-costuri-minime-caldura-curent-655392.html>

EuroNews Romania – Romanian branch of European television news network that covers world news from a European perspective.

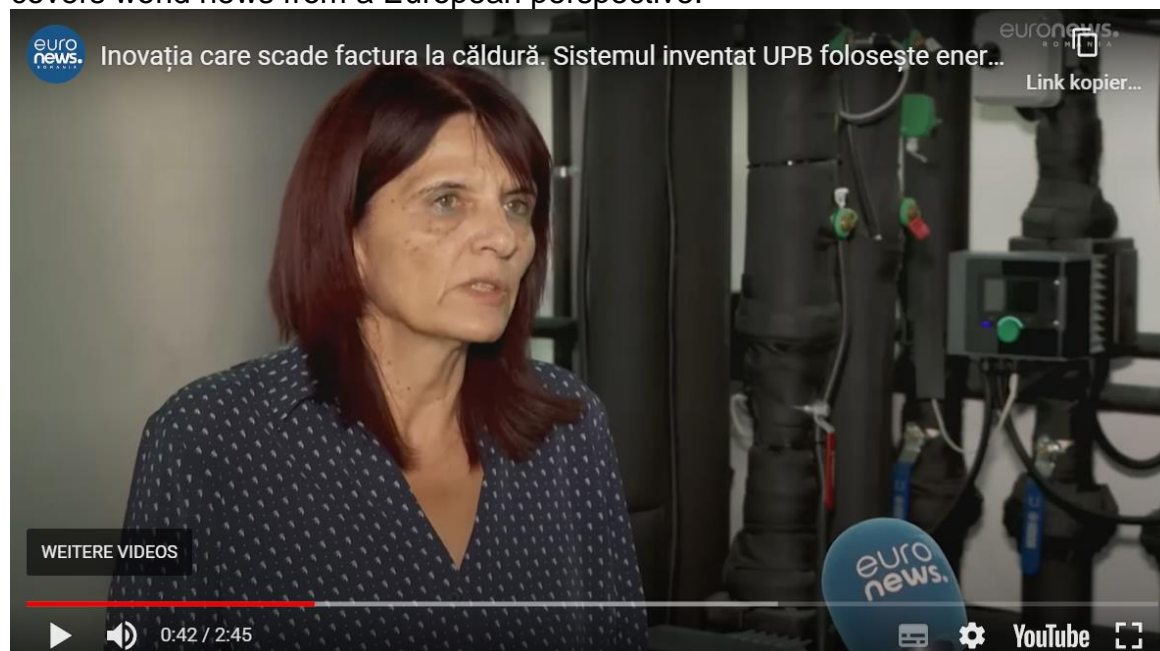


Figure 25 – Prof. Roxana Pătrașcu explaining the demonstrator on EuroNews

Inovația care scade factura la căldură. Sistemul inventat de specialiști UPB

<https://www.euronews.ro/articole/inovatia-care-scade-factura-la-caldura-sistemul-inventat-de-specialisti-upb-folos>

Focus Prima TV - Romanian commercial TV channel

Alternativă pentru facturile mari la energie

<https://www.youtube.com/watch?v=sdqFjWIYjDs>

6.2.3. Journalistic appearances

On November 19th 2021, the Market Watch magazine (Romanian version) both printed and online version published an article titled: *UPB inovează pe frontul producerii de*





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energie din surse regenerabile - UPB is inovating on the field of energy production from renewable sources.

http://www.marketwatch.ro/articol/17515/UPB_inoveaza_pe_frontul_producerii_de_energie_din_surse_regenerabile/.

In October 2022 an article about the newly started demosite in Bucharest appeared on the EuroScientist.com in English

<https://www.euroscientist.com/developing-a-renewable-heating-system-at-the-university-politehnica-of-bucharest/>

At the same time a Romanian Version was published. This story was also covered by several other Romanian news platforms and online magazines. The coverage as printed versions is not known – however due to the high presence on TV news and online media, a very high dissemination level can be assumed.

6.2.4. Demo site tours

At the demo site presentation, the visitors, project members, special guests and journalists were given the opportunity to take a tour around the different buildings on the UPB campus to understand the elements of demonstrator.

Assoc. Prof. Ionescu explaining system to journalists on October 24th 2022



Furthermore, several Romanian student and visitor groups could visit the demonstrator at the University Politehnica of Bucharest already in order to learn more about the new technologies and their implementation.





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6.3. Demo site in Luleå, Sweden

The Luleå Demo site that shows the implementation of fuel cells and heat recovery at a data center in Sweden has been presented by RISE at several data center events both online and in-person like Data Center Ecosystems July 2021, Digital Infra Network August 2021, Data Center Forum Copenhagen October 2021, Data Centre World London March 2022). Several online articles and interviews have been produced to inform stakeholders next to participation in contests and demo site tours.

6.3.1. Online-Interviews

On 28th February 2022 -in the context of the advertising campaign for Data Center World London - RISE was the WEDISTRICT ambassador in an interview by Techarati that can be found on YouTube: <https://youtu.be/f7lOtorL2SI>

6.3.2. Contest Participation

The project partner RISE – Research Institute of Sweden participated with the Luleå demonstrator “Wedistrict fuel cell powered edge with heat reuse “ for the DCD Awards 2022 in the category Edge Data Center Project of the Year.

The global DCD Awards, the “original data center awards program that reaches over 192 countries worldwide” are known as the "Oscars of the data center industry", having a high reach among these stakeholders.

The project has been shortlisted and project manager Jon Summers has been invited for the finals in London in December 2022.

<https://www.datacenterdynamics.com/en/news/dcd-awards-2022-shortlist-announced/>

6.3.3. Journalistic appearances

On December 31st, 2021 an article was published in the online magazine DataCenter Insider with the titled: The task: finally crack a giant resource-from H2 electricity for computers in the cold bath to data center heat for fuel cell hot water:

<https://www.datacenter-insider.de/vom-h2-strom-fuer-rechner-im-kaeltebad-zur-rz-waerme-fuer-fuel-cell-warmwasser-a-1078866/>

6.3.4. Demo site tours

Several visitors to the north swedish demo site at RISE Luleå could visit the working heat recovery system of the data center from January 2022.

Jon Summers and Jonas Gustafsson inside the solid oxide fuel cell container showing the fuel cells with the exhaust ducting to the right and the contain air intake to the top left with the air to liquid heat exchanger using heat from the data centre container





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6.4. Demo site in Córdoba, Spain

Although it was only recently decided to transfer the highly complex Spanish demo site from Alcalá de Henares to the University of Córdoba, the technology partners were involved in essential parts of the project from the beginning.

6.4.1. TV coverage

On September 10th 2020, the WEDISTRIC project parts of the University of Córdoba (R-ACU) were covered by a TV-report on Cordoba-TV.

Furthermore, there was a TV report and article on the Spanish channel Canal-Sur on July 26th 2022.

<https://www.canalsur.es/noticias/andalucia/cordoba/investigadores-de-cordoba-usan-las-altas-temperaturas-para-producir-aire-frio/1846918.html>

6.4.2. Radio coverage

On December 4th 2019, a radio interview of Manuel Ruiz de Adana from UCO with [COPE RADIO together with the article “¿Sabías que es posible obtener aire acondicionado a partir de energía solar?”](#) introduced the plans of the WEDISTRIC project.



The innovative salts from Fertiberia for thermal energy storage and there testing were on a radio interview [on Onda Regional de Murcia](#) in April 21, 2021.

6.4.3. Journalistic articles

Many journalistic articles have been produced about the RACU system of the University of Córdoba.

In November 2022, an article has been published in the Spanish version of Solar News magazine about it.

Combining RACU with other technologies at the demo site in Córdoba will further help implement district heating and cooling solutions across Europe.

The article can be found here:

<https://es.calameo.com/read/00088416537b317b798b9>

RACU, un nuevo sistema de enfriamiento de aire basado en energías renovables y compatible con redes de distrito

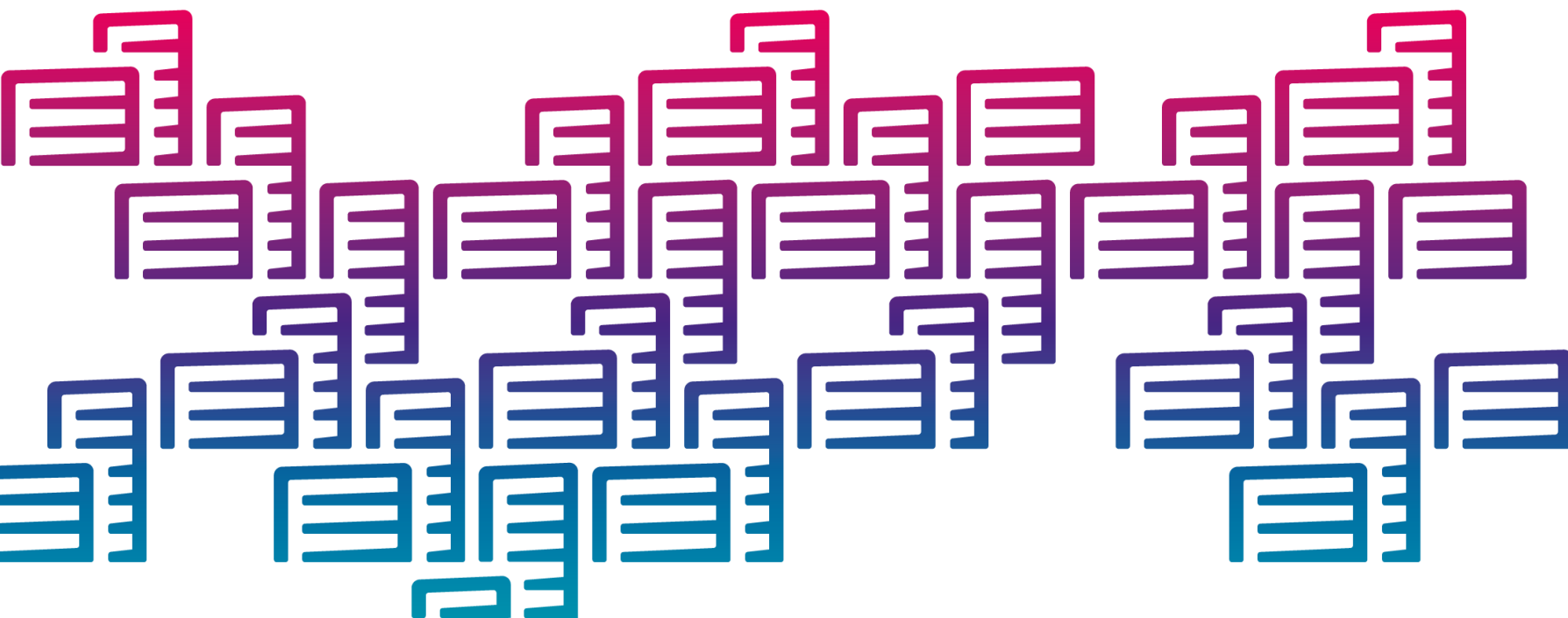
El incremento de las temperaturas atmosféricas derivadas del cambio climático incrementa la demanda de sistemas de refrigeración y ventilación y, a la vez, reduce la eficiencia energética de sistemas convencionales. En este escenario resulta necesario el desarrollo de sistemas de refrigeración y ventilación eficientes que garanticen un óptimo confort térmico y calidad de aire en el interior de los edificios.

El prototipo RACU, Renewable Air Cooling Unit, es un ejemplo de este tipo de sistemas y se está evaluando experimentalmente en la Universidad de Córdoba.

Eficiencia energética en edificios
Según la Directiva (UE) 2018/844 del Parlamento Europeo y del Consejo de 30 de mayo de 2018, por la que se modifica la Directiva 2010/31/UE relativa a la eficiencia energética de los edificios y la Directiva 2012/27/UE relativa a la eficiencia energética, la Unión Europea se ha comprometido a establecer un sistema

Los sistemas de climatización representan un porcentaje significativo del consumo energético total, en torno al 50%, del consumo energético en edificios.





7. Annexes



7.1. Table with journalistic appearances

The following table shows all major journalistic appearances on the TV, radio, online magazines or websites from October 2019 to November^t 2022 – sorted by publication date – when available. Appearances reported or found after this will be included in the final version of this report at the end of the project. Print versions could not be tracked properly and might not be included here.

#	Title	Date	Type of Media	Name	Partner	Type of Audience	Link
1	Newsletter	monthly	Newsletter	Acciona	Acciona	Industry	
2	Launch of project press release	October 4, 2019	Website	UCO	UCO	Scientific Community	http://www.uco.es/internacional/proyectosinternacionales/el-proyecto-wedistrict-comenzo-el-pasado-1-de-octubre/
3	Information about the start of the project	October 8, 2019	Website	UCO	UCO	Scientific Community	https://www.uco.es/servicios/actualidad/ciencia/item/135403-el-proyecto-wedistrict-buscara-una-solucion-sostenible-para-los-sistemas-de-calefaccion-y-refrigeracion?lang=es
4	Acciona selected by European Commission to execute WEDISTRICK project	October 9, 2019	Website	Acciona	Acciona	Industry	https://www.acciona-construccion.com/pressroom/news/2019/october/acciona-selected-european-commission-execute-wedistrict-project/
5	Saubere Idee: Oldenburger begleiten Energiesparprojekte	October 11, 2019	Print and Online Publication	NordWest Zeitung Online	ESCI	Civil society	https://www.nwzonline.de/oldenburg/bildung/oldenburg-marketing-saubere-idee-oldenburger-begleiten-energiesparprojekte_a_50.6.298373328.html
6	¿Sabías que es posible obtener aire acondicionado a partir de energía solar?	December 4, 2019	Radio	COPE RADIO	UCO	Civil society	https://www.cope.es/emisoras/andalucia/cordoba-provincia/cordoba/innovacion-y-ciencia/noticias/sabias-que-posible-obtener-aire-acondicionado-partir-energia-solar-20191204_566770
7	Alcalá de Henares tendrá su WEDISTRICK en el 2021	December 15, 2019	Online magazine	Smart Lighting	ESCI	Industry	https://smart-lighting.es/alcala-de-henares-wedistrict/
8	Europe's Man on the Moon. How scientists and engineers are already taking up the challenges from the new European Green Deal.	December 17, 2019	Online magazine	European Commission Cordis	ESCI	Policy makers, Researchers	https://cordis.europa.eu/article/id/411765-europe-s-man-on-the-moon-how-scientists-and-engineers-are-already-taking-up-the-challenges-fr
9	H2020 WEDISTRICK energy project talks green at COP25	December 17, 2019	Online Magazine	European Commission INEA	ESCI	Scientific Community, Stake holders	https://ec.europa.eu/inea/en/news-events/newsroom/h2020-wedistrict-energy-project-talks-green-at-cop25





#	Title	Date	Type of Media	Name	Partner	Type of Audience	Link
10	SICS ICE: A playground for data centre research	February 6, 2020	Online Magazine	Techerati	RISE	Stake holders, civil society	https://techerati.com/features-hub/opinions/dcw-data-centre-world-2020-jon-summers-rise-sics-north-data-center-data-centre/
11	NyTeknik article about the Lulea demonstration pilot	March 22, 2020	Newspaper	NytekNIK	RISE	Stake holders, civil society	https://www.nyteknik.se/premium/de-bygger-datacenter-som-drivs-med-bransleceller-6997432
12	CTA: Join wedistrict community of interest	March 23, 2020	News	R2M	R2M	Industry, Stake Holders	http://www.ectp.org/news-events-newsletters/news/news-detail/toward-green-district-heating-cooling-join-the-wedistrict-community-of-interest/
13	Information about the project and the technologies	April 3, 2020	Website	UCO	UCO	Scientific Community	http://www.uco.es/servicios/actualidad/ciencia/item/137420-el-proyecto-wedistrict-continua-en-marcha-para-buscar-sistemas-de-calefaccion-y-refrigeracion-renovables?lang=es
14	QF-Interview with Jon Summers on Lulea Demosite	June 22, 2020	Website	Wedistrict project	ESCI, RISE	Scientific Community, Stake holders	https://www.wedistrict.eu/interview-with-jon-summers-on-the-future-for-data-center-energetic-waste
15	Brochure and website of the project added on the faculty website	July 27, 2020	Website	UPB	UPB	Scientific Community	https://www.energ.pub.ro/cercetare_proiecte.html
16	Cuatro instalaciones piloto quieren demostrar que climatizar todo un barrio en modo 100% renovable sí es posible	September 10, 2020	Online Magazine	Energias Renovables	UCO	Stakeholders	https://www.energias-renovables.com/ahorro/cuatro-instalaciones-piloto-quieren-demostrar-que-la-20200910
17	La UCO participa en el proyecto de un sistema de climatización urbana a partir de renovables	September 10, 2020	Online Magazine	Cordopolis	UCO	Civil society	https://cordopolis.es/2020/09/11/la-uco-participa-en-el-proyecto-de-un-sistema-de-climatizacion-urbana-a-partir-de-renovables/
18	Information on WEDISTRICKT	September 10, 2020	Online Magazine	Ahora Cordoba	UCO	Civil society	https://www.ahoracordoba.es/wedistrict/
19	La UCO participa en el proyecto de un sistema de climatización urbana a partir de renovables	September 10, 2020	Online Magazine	El Dia de Cordoba	UCO	Civil society	https://www.eldiadicordoba.es/cordoba/Investigadores-Cordoba-impulsan-climatizacion-renovable_0_1500150125.html
20	Córdoba.- La UCO participa en proyecto para crear un sistema de climatización urbana a partir de energía 100% renovable	September 10, 2020	Online Magazine	Europapres	UCO	Civil society	https://fotos.europapress.es/fotonoticia/f3307962/





#	Title	Date	Type of Media	Name	Partner	Type of Audience	Link
21	La UCO investiga un sistema de climatización urbana a partir de energía 100% renovable	September 10, 2020	Online Magazine	Aula Magna	UCO	Civil society	https://www.aulamagna.com.es/la-uco-investiga-un-sistema-de-climatizacion-urbana-a-partir-de-energia-100-renovable/
22	Investigan un sistema de climatización urbana a partir de energía 100% renovable	September 10, 2020	Online Magazine	Cibersur	UCO	Civil society	http://www.cibersur.com/cibersur/impe/idi/ciencia/021440/investigan/sistema/climatizacion/urbana/partir/energia/100/renovable
23	Estudian un sistema de climatización urbana a partir de energía 100% renovable	September 10, 2020	Online Magazine	Retema	UCO	Civil society	https://www.retema.es/noticia/estudian-un-sistema-de-climatizacion-urbana-a-partir-de-energia-100-renovable-ScK83
24	Calentar o enfriar el hogar a partir de energía 100% renovable	September 10, 2020	Online Magazine	IDESQBRE	UCO	Civil society	https://idescubre.fundaciondescubre.es/noticias/estudian-un-sistema-de-climatizacion-urbana-a-partir-de-energia-100-renovable/
25	La UCO participa en proyecto para crear un sistema de climatización urbana a partir de energía 100 renovable	September 10, 2020	TV News + Online Article	Cordoba TV	UCO	Civil society	https://www.cordoba-tv.com/la-uco-participa-en-proyecto-para-crear-un-sistema-de-climatizacion-urbana-a-partir-de-energia-100-renovable
26	PROYECTO WEDISTRICT Investigan un sistema de climatización urbana a partir de energía 100% renovable	September 10, 2020	Website	UCO	UCO	Civil society	https://www.uco.es/servicios/actualidad/ciencia/item/138664-investigan-un-sistema-de-climatizacion-urbana-a-partir-de-energia-100-renovable?lang=es
27	Climatización central más 'verde'	September 13, 2020	Online Magazine	Diario Córdoba	UCO	Civil society	https://www.diariocordoba.com/agricultura-medio-ambiente/2020/09/13/climatizacion-central-verde-35946841.html
28	Investigan la viabilidad de un sistema de climatización urbana con energía renovable	September 14, 2020	Online Magazine	ESEficiencia	UCO	Stakeholders	https://www.eseficiencia.es/2020/09/14/investigan-viabilidad-sistema-climatizacion-urbana-energia-renovable
29	WEDISTRICT, el proyecto para soluciones de calefacción y climatización urbana con renovables	September 15, 2020	Online Magazine	Energy News ES	UCO	Stakeholders	https://www.energynews.es/wedistrict-proyecto-para-calefaccion-y-refrigeracion-en-ciudades/
30	¿Un sistema de climatización urbana a partir de energía 100% renovable?	September 16, 2020	Online Magazine	Climatización y confort	UCO	Stakeholders	https://climatizacion-y-comfort.cdecomunicacion.es/noticias/sectoriales/40249/sistema-climatizacion-urbana-partir-energia-100-renovable





#	Title	Date	Type of Media	Name	Partner	Type of Audience	Link
31	Diario CÓRDOBA premia el desarrollo sostenible	November 8, 2020	Online Magazine	Diario Córdoba	UCO	Civil society	https://www.diariocordoba.com/cordoba-ciudad/2020/11/08/diario-cordoba-premia-desarrollo-sostenible-35909289.html
32	EL PROYECTO WEDISTRICK, GALARDONADO EN LOS PREMIOS AL DESARROLLO SOSTENIBLE 2020	November 8, 2020	Website	UCO	UCO	Scientific Community	https://www.uco.es/internacional/proyectosinternacionales/el-proyecto-wedistrict-galardonado-en-los-i-premios-al-desarrollo-sostenible-2020/
33	The Fertiberia Group's thermal storage technology in salts is recognised as 'European Radar Technology' by the European Commission	March 05, 2021	Online Magazine	World Today News	Fertiberia	Industry, Scientific Community	https://www.world-today-news.com/the-fertiberia-groups-thermal-storage-technology-in-salts-is-recognized-as-european-radar-technology/
34	Article in Climanoticias magazine	March 8, 2021	Online newspaper	Climanoticias Magazine	Acciona	Stakeholders	https://www.climanoticias.com/estatica/nuevo-numero?utm_source=newsletter&utm_medium=email&utm_campaign=Newsletter%20www.climanoticias.com
35	Soluciones inteligentes de calefacción para una vida sostenible	March 8, 2021	Print and Online Publication	Clima Noticias	Acciona	Stakeholders	https://issuu.com/grupotp/docs/climanoticias-233/34?ff&showOtherPublicationsAsSuggestions=false&hideShareButton=true
36	Press release about CER's role in project	April 21, 2021	Website	CER	CER	Media	-
37	Europski projekt WEDISTRICK–sustav centraliziranog grijanja ponovno postaje zeleni	April 21, 2021	Newspaper	Zagreb Online	CER	Civil society	https://www.zagrebonline.hr/europski-projekt-wedistrict-sustav-centraliziranog-grijanja-ponovno-postaje-zeleni/
38	Europski projekt WEDISTRICK–sustav centraliziranog grijanja ponovno postaje zeleni	April 21, 2021	Newspaper	Profitiraj	CER	Civil society	https://profitiraj.hr/europski-projekt-wedistrict-sustav-centraliziranog-grijanja-ponovno-postaje-zeleni
39	El mirador. Europa premia un Proyecto de la empresa cartagenera química del estroncio para desarrollar sales sintéticas T02C144	April 21, 2021	Radio	Onda Regional de Murcia	Fertiberia	Civil society	https://www.orm.es/programas/el-mirador/el-mirador-europa-premia-un-proyecto-de-la-empresa-cartagenera-quimica-del-estroncio-para-desarrollar-sales-sinteticas/
40	Europski projekt WEDISTRICK–sustav centraliziranog grijanja ponovno postaje zeleni	May 24, 2021	Newspaper	Poslovni FM	CER	Civil society	https://www.poslovnifm.com/gia/gia-poslovanje/europski-projekt-wedistrict-sustav-centraliziranog-grijanja-ponovno-postaje-zeleni/





#	Title	Date	Type of Media	Name	Partner	Type of Audience	Link
41	Demonstrating 100% fossil free district heating & cooling solutions across Europe	June 1, 2021	Print and Online Publication	Hot-Cool; Interational Journal on District Heating and Cooling, DBDH	Ramboll	Industry, Policy Makers, Civil Society	https://online.flippingbook.com/view/175942353/
42	Interactive map: Share of District Heating and Cooling across Europe	June 1, 2021	Website	Wedistrict project	Ramboll /ESCI	Civil society	https://www.wedistrict.eu/interactive-map-share-of-district-heating-and-cooling-across-europe/
43	Europski projekt WEDISTRICt–sustav centraliziranog grijanja ponovno postaje zeleni	June 14, 2021	Newspaper	Global Croatia	CER	Civil society	https://gbcroatia.org/europski-projekt-wedistrict-sustav-central/blog/538
44	QF-Interview with David Gomez Fernandez on Advanced Digitalisation Platform for DHC systems	July 16, 2021	Website	Wedistrict project	Atos/ESCI	Civil society	https://www.wedistrict.eu/interview-with-david-gomez-on-advanced-digitalisation-platform-for-dhc-systems/
45	Seasonal Analysis Comparison of Three Air-Cooling Systems in Terms of Thermal Comfort, Air Quality and Energy Consumption for School Buildings in Mediterranean Climates	July 22, 2021	Website	UCO	UCO	Scientific Community	https://helvia.uco.es/handle/10396/21527
46	New Celsius publication: Advancing District Heating & Cooling Solutions and Uptake in European Cities	September 8, 2021	Online Publication	Celsius Initiative	ESCI	Policy Makers, Stake holders	https://celsiuscity.eu/new-celsius-publication-advancing-district-heating-cooling-solutions-and-uptake-in-european-cities/
47	Teleriscaldamento efficiente e rinnovabile per la rigenerazione urbana	October 29, 2021	Online Magazine	QualeEnergia.it		Industry, Stake holders	https://www.qualenergia.it/pro/articoli/teleriscaldamento-efficiente-e-rinnovabile-per-rigenerazione-urbana/
48	UPB inovează pe frontul producerii de energie din surse regenerabile	November 19, 2021	Print and Online Publication	Market Watch Magazine (Romanian)	UPB	Industry, Stake holders	http://www.marketwatch.ro/articol/17515/UPB_inoveaza_pe_frontul_producerii_de_energie_din_surse_regenerabile/





#	Title	Date	Type of Media	Name	Partner	Type of Audience	Link
49	TECNOALCALÁ elegido para el desarrollo del proyecto Wedistrict cofinanciado por la Comisión Europea a través del programa marco Horizonte 2020	December 1, 2021	Print and Online Publication	Asociación de Parques Científicos y Tecnológicos de España		Industry, Stake holders	https://www.apte.org/res/uploads/apte-techno-n-76.pdf
50	Vom H2-Strom für Rechner im Kältebad zur RZ-Wärme für Fuel-Cell-Warmwasser	December 31, 2021	Online Magazine	Datacenter Insider		Industry, Stake holders	https://www.datacenter-insider.de/vom-h2-strom-fuer-rechner-im-kaeltebad-zur-rz-waerme-fuer-fuel-cell-warmwasser-a-1078866/
51	WEDISTRICK is an EU-funded project that brings together 21 partners from across Europe.	January 1, 2022	Website	Aalborg CSP	Aalborg CSP	Industry, Stake Holders	https://www.aalborgcsp.com/eu-or-co-funded-projects/wedistrict/
52	A milestone is reached for the WEDISTRICK demo-site!	February 10, 2022	Website	RISE	RISE	Stakeholders	https://www.ri.se/en/a-milestone-is-reached-for-the-wedistrict-demo-site
53	RISE tests fuel cell-powered CHP Edge data center in Luleå, Sweden	February 16, 2022	Online Magazine	Datacenter Dynamics	RISE	Industry, Stake holders	https://www.datacenterdynamics.com/en/news/ri-se-tests-fuel-cell-powered-chp-edge-data-center-in-lulea-sweden/
54	Waste-free RISE micro-data center runs on biogas and heats houses	February 17, 2022	Online Magazine	ServerNews	RISE	Industry, Stake holders	https://servernews.ru/1060438
55	O micro-data center RISE sem resíduos funciona com biogás e aquece casas	February 17, 2022	Online Magazine	Avalanche Noticias	RISE	Industry, Stake holders	https://avalanchenoticias.com.br/mercado-de-tecnologia-e-ti-noticia/o-micro-data-center-ri-se-sem-residuos-funciona-com-biogas-e-aquece-casas/
56	RISE tests fuel cell-powered CHP Edge data center in Luleå, Sweden	February 17, 2022	Online magazine	FuelCellsWorks	RISE	Stakeholders	https://fuelcellsworks.com/news/ri-se-tests-fuel-cell-powered-chp-edge-data-center-in-lulea-sweden/
57	RISE tests fuel cell-powered CHP Edge data center in Luleå, Sweden	February 18, 2022	Website	RISE	RISE	Industry, Stake holders	https://www.ri.se/en/ri-se-tests-fuel-cell-powered-chp-edge-data-center-in-lulea-sweden
58	Ground source heat pump system implemented in Bucharest demo-site	February 22, 2022	YouTube-Video	ESCI YouTube Channel	ESCI	Civil society	https://www.youtube.com/watch?v=J8A1Ty1CqBA
59	An Interview with Jon Summers RISE	February 28, 2022	Online Magazine	Techerati	RISE	Industry, Stake holders	https://youtu.be/f7IOtOrL2SI





#	Title	Date	Type of Media	Name	Partner	Type of Audience	Link
60	El Proyecto WEDISTRICT sobre climatización removable hace balance en su quinta asamblea general	March 24, 2022	Website	UCO	UCO	Scientific Community	https://ceia3.es/ucci/es/noticias-gen/item/3747-el-proyecto-wedistrict-sobre-climatizacion-renovable-hace-balance-en-su-quinta-asamblea-general
61	Innovative waste heat recovery experiment in Sweden	April 6, 2022	Online Magazine	TechXplore	CORDIS/RISE	Stakeholders	https://techxplore.com/news/2022-04-recovery-sweden.html
62	How behavioural science can boost the green transition	July 19, 2022	Online Magazine	Smart Energy International	ESCI	Stakeholders	https://www.smart-energy.com/customer-services-management/how-behavioural-science-can-boost-the-green-transition/
63	Un sistema de refrigeración creado por la Universidad de Córdoba aprovecha las altas temperaturas para crear aire más frío	July 22, 2022	Online Magazine	El Dia de Cordoba	UCO	Civil society	https://www.eldiadecordoba.es/cordoba/refrigeracion-Universidad-Cordoba-temperaturas-aire-frio_0_1704130103.html
64	Este sistema que enfría más rápido cuando más calor hace	July 22, 2022	Online Magazine	Hipertextual	UCO	Civil society	https://hipertextual.com/2022/07/mas-calor-mejor-se-enfrian-las-cosas-sistema-refrigeracion
65	La UCO crea un sistema de refrigeración que de las altas temperaturas es capaz de crear aire más frío	July 22, 2022	Online Magazine	Córdoba Hoy	UCO	Civil society	https://www.cordobahoy.es/articulo/cultura/sistema-refrigeracion-creado-uco-aprovecha-altas-temperaturas-crear-aire-mas-frio/20220722125625120556.html
66	Un sistema creado por la UCO aprovecha las altas temperaturas para generar aire más frío	July 22, 2022	Online Magazine	Diario Córdoba	UCO	Civil society	https://www.diariocordoba.com/cordoba-ciudad/2022/07/22/sistema-creado-uco-aprovecha-altas-68831692.html
67	Un sistema de refrigeración creado por la Universidad de Córdoba utiliza las altas temperaturas para crear aire más frío	July 22, 2022	Online Magazine	Europapres s	UCO	Civil society	https://www.europapress.es/andalucia/noticia-sistema-refrigeracion-creado-universidad-cordoba-utiliza-altas-temperaturas-crear-aire-mas-frio-20220722102751.html
68	A MÁS CALOR, MEJOR REFRIGERACIÓN. UN SISTEMA CREADO POR LA UCO APROVECHA LAS ALTAS TEMPERATURAS PARA GENERAR AIRE MÁS FRÍO	July 22, 2022	Website	UCO	UCO	Scientific Community, Civil society	https://www.uco.es/investigacion/ucci/es/noticias-gen/item/3902-a-mas-calor-mejor-refrigeracion-un-sistema-creado-por-la-uco-aprovecha-las-altas-temperaturas-para-generar-aire-mas-frio





#	Title	Date	Type of Media	Name	Partner	Type of Audience	Link
69	Un sistema creado por la UCO aprovecha las altas temperaturas para crear aire más frío	July 24, 2022	Online Magazine	El Confidential	UCO	Civil society	https://www.elconfidencial.com/medioambiente/2022-07-24/sistema-refrigeracion-uco-altas-temperaturas-aire_3465419/
70	RACU: El sistema cordobés que más refrigera a medida que hace más calor	July 26, 2022	Online Magazine	PCDemano	UCO	Civil society	https://www.pcdemano.com/sc/20578/
71	Investigadores de Córdoba usan las altas temperaturas para producir aire frío	July 26, 2022	TV News + Online Article	Canal Sur	UCO	Civil society	https://www.canalsur.es/noticias/andalucia/cordoba/investigadores-de-cordoba-usan-las-altas-temperaturas-para-producir-aire-frio/1846918.html
72	Desde Córdoba participará Francisco Comillo, que hablará sobre el proyecto Weguistrict, que lleva a cabo el grupo de investigación RACU.	July 28, 2022	TV News	Canal Sur	UCO	Civil society	https://www.canalsur.es/rtva/rocio-blanco-en-el-plato-de-despierta-andalucia/1847130.html
73	Cómo el 'district heating' puede aliviar a los países europeos del posible corte de suministro de gas ruso	August 23, 2022	Online Magazine	NewTral	ESCI	Stakeholders	https://www.newtral.es/district-heating/20220729/
74	Sistem inovativ de încălzire a locuințelor, dezvoltat de Universitatea Politehnică București	October 11, 2022	Online Magazine	Adevarul	ESCI/UPB	Civil society	https://adevarul.ro/economie/sistem-inovativ-de-incalzire-a-locuintelor-2211745.html
75	Sistem inovativ de încălzire a locuințelor, descoperit de Universitatea Politehnică București	October 11, 2022	Online Magazine	Vremea noua	ESCI/UPB	Civil society	https://www.vremeanoua.ro/sistem-inovativ-de-incalzire-a-locuintelor-descoperit-de-universitatea-politehnica-bucuresti/
76	Cercetătorii de la Universitatea București au descoperit un sistem inovativ de încălzire a locuințelor	October 11, 2022	Online Magazine	Observatorul Prahovean	ESCI/UPB	Civil society	https://www.observatorulph.ro/national/2662694-cercetatorii-de-la-universitatea-bucuresti-au-descoperit-un-sistem-inovativ-de-incalzire-a-locuintelor
77	Soluția salvatoare pentru facturile mari! Sistem inovativ de încălzire a locuințelor, descoperit de cercetătorii români	October 11, 2022	Online Magazine	Click!	ESCI/UPB	Civil society	https://click.ro/actualitate/fapt-divers/solutia-salvatoare-pentru-facturile-mari-sistem-2211859.html
78	Soluția salvatoare pentru facturile mari! Sistem inovativ de încălzire	October 11, 2022	Online Magazine	Stiridinsurse	ESCI/UPB	Civil society	https://www.stiridinsurse.ro/monden/solutia-salvatoare-pentru-facturile-mari-sistem-inovativ-de-





#	Title	Date	Type of Media	Name	Partner	Type of Audience	Link
	a locuințelor, descoperit de cercetătorii români						incalzire-a-locuintelor-descoperit-de-cercetatorii-romani/
79	Specialistii Universitatii Politehnice București au inventat un nou sistem de incalzire, foarte economic	October 12, 2022	Online Magazine	Bukurestiul	ESCI/UPB	Civil society	https://bucurestiul.ro/specialistii-universitatii-politehnice-bucuresti-au-inventat-un-nou-sistem-de-incalzire-foarte-economic/
80	Un nou sistem de încălzire a locuințelor, inventat de Universitatea Politehnică București. Rezultatele experimentului făcut într-o clădire	October 12, 2022	Online Magazine	MediaFlux	ESCI/UPB	Civil society	https://mediaflux.ro/un-nou-sistem-de-incalzire-a-locuintelor/
81	Sistem inovativ de încălzire a locuințelor, dezvoltat de specialiști din Universitatea Politehnică București	October 12, 2022	Online Magazine	Ziarulprofit	ESCI/UPB	Civil society	https://www.ziarulprofit.ro/index.php/sistem-inovativ-de-incalzire-a-locuintelor-dezvoltat-de-specialisti-din-universitatea-politehnica-bucuresti/
82	Sistem inovativ de încălzire a locuințelor, descoperit de Universitatea București	October 14, 2022	Online Magazine	arhispec.ro	ESCI/UPB	Civil society	https://arhispec.ro/articol/sistem-inovativ-de-incalzire-a-locuintelor-descoperit-de-universitatea-bucuresti
83	A VI-a reuniune științifică în cadrul Proiectului European H2020 WEDISTRIC va avea loc la UPB	October 20, 2022	Website	UPB	UPB	Scientific Community	https://upb.ro/calendar-evenimente/a-vi-a-reuniune-stiintifica-in-cadrul-proiectului-european-h2020-wedistrict-va-avea-loc-la-upb/
84	Cum a redus costul la încălzire o instituție din Capitală. Soluția ingenioasă găsită	October 24, 2022	Online Magazine	Fanatik.ro	UPB/ESCI	Civil society	https://www.fanatik.ro/cum-a-reduc-costul-la-incalzire-o-institutie-din-capitala-solutia-ingenioasa-gasita-20212323
85	Soluția inovativă pentru costuri infime la căldură și electricitate	October 24, 2022	TV News	Antena 3 CNN	UPB/ESCI	Civil society	https://youtu.be/OubBhaJXZWE
86	Facturi reduce din energie solară și geothermală	October 24, 2022	TV News	Digi24 HD	UPB/ESCI	Civil society	https://www.digi24.ro/emisiuni/jurnale/jurnal-ora-23-00-24-octombrie-2-2128715
87	Românii care vor plăti mai puțin la energia electrică. Ce se întâmplă de la 1 ianuarie 2023	October 25, 2022	Online Magazine	PlayTech Stiri	UPB/ESCI	Civil society	https://playtech.ro/stiri/romanii-care-vor-plati-mai-putin-la-energia-electrica-ce-se-intampla-de-la-1-ianuarie-2023-596577
88	Analize și Trenduri – Inovație pentru facturi mai mici la energie. Politehnica București propune un sistem hibrid cu două avantaje majore – Sinteza	October 25, 2022	Online Magazine	ManagementPro	UPB/ESCI	Civil society	https://managementpro.ro/analize-si-trenduri-inovatie-pentru-facturi-mai-mici-la-energie-politehnica-bucuresti-propune-un-sistem-hibrid-cu-doua-avantaje-majore-sinteza/





#	Title	Date	Type of Media	Name	Partner	Type of Audience	Link
89	Ce soluție a găsit Politehnica din București pentru facturi mai mici la energie: 'Reducem consumurile practic la zero'	October 25, 2022	Online Magazine	Ziare Live	UPB/ESCI	Civil society	https://www.ziarelive.ro/stiri/ce-solutie-a-gasit-politehnica-din-bucuresti-pentru-facturi-mai-mici-la-energie-reducem-consumurile-practic-la-zero.html
90	Ce soluție a găsit Politehnica din București pentru facturi mai mici la energie: 'Reducem consumurile practic la zero'	October 25, 2022	Online Magazine	PlayTech Stiri	UPB/ESCI	Civil society	https://playtech.ro/stiri/ce-solutie-a-gasit-politehnica-din-bucuresti-pentru-facturi-mai-mici-la-energie-reducem-consumurile-practic-la-zero-596636
91	Alternativă pentru facturile mari la energie	October 25, 2022	TV News	Focus PrimaTV	UPB/ESCI	Civil society	https://youtu.be/sdqFjWlYjDs
92	Soluție inovativă pentru costuri minime la căldură și la curent	October 25, 2022	TV News + Online Article	Antena 3 CNN	ESCI/UPB	Civil society	https://www.antena3.ro/economic/solutie-inovativa-costuri-minime-caldura-curent-655392.html
93	Inovație pentru facturi mai mici la energie. Politehnica București propune un sistem hibrid cu două avantaje majore	October 25, 2022	TV News + Online Article	Digi24 HD	UPB/ESCI	Civil society	https://www.digi24.ro/stiri/economie/energie/innovatie-pentru-facturi-mai-mici-la-energie-politehnica-bucuresti-propune-un-sistem-hibrid-cu-doua-avantaje-majore-2129029
94	O echipa de cadre didactice si doctoranzi de la Facultatea de Energetica reprezinta UPB in proiectul european WEDISTRIC.T.	October 25, 2022	Website	Faculty for Energy Engineering , UPB	UPB	Scientific Community	https://energ.upb.ro/stiri/anunturi
95	Cum să plătim mai puțin pentru energie? Să învățăm de la niște studenți politehniști	October 27, 2022	Online Magazine	Editiadedimineata	UPB/ESCI	Civil society	https://editiadedimineata.ro/cum-sa-platim-mai-putin-pentru-energie-sa-invatam-de-la-niste-studenti-politehnisti/
96	Inovația care scade factura la căldură. Sistemul inventat de specialiști UPB folosește energie solară și geotermală	October 28, 2022	TV News + Online Article	EuroNews Romania	UPB/ESCI	Civil society	https://www.euronews.ro/articole/innovatia-care-scade-factura-la-caldura-sistemul-inventat-de-specialisti-upb-folos
97	RACU, un nueva sistema de enfriamiento de aire basado en energías renovables y compatible con redes de distrito	December 17, 2022	Print and Online Publication	Solar News, Spain	UCO	Industry, Scientific Community	https://es.calameo.com/read/00088416537b317b798b9



7.2. Table with scientific publications

The following table shows all scientific publications from October 1st 2019 to October 31st 2022 – sorted by publication date. Publications published after this will be included in the final version of this report at the end of the project. Every publication can be found online by its permanent DOI (Digital Object Identifier) address. A ZENODO community is available for uploading publications and more data.

#	Title	Main Author	Journal name	Type	Publisher	Date	DOI/Link
1	Experimental energy performance assessment of a solar desiccant cooling system in Southern Europe climates	F. Comino, J. Castillo González, F.J. Navas-Martos, M. Ruiz de Adana	Applied Thermal Engineering	Article in Journal	Elsevier	Okt 19	https://doi.org/10.1016/j.applthermaleng.2019.114579
2	Evaluation of energy flexibility of low-energy residential buildings connected to district heating	Kyriaki Foteinaki, Rongling Li, Thibault Péan, Carsten Rode, Jaume Salom	Energy and Buildings	Article in Journal	Elsevier	Jan 20	https://doi.org/10.1016/j.enbuild.2020.109804
3	Management of implementing a pilot project at UPB-Faculty of Power Engineering: “Hybrid geothermal-solar system developed to supply the energy demands of a building and integration with UPB district heating network”	Roxana PĂTRAȘCU, Constantin IONESCU, Mihai-Rareș SANDU	EMERG - Energy. Environment. Efficiency. Resources. Globalization	Article in Journal	EMERG	Mrz 20	https://doi.org/10.37410/emerg.2020.3.06
4	Detailed experimental analysis of the energy performance of a desiccant wheel activated at low temperature	F. Comino, F. Táboas, F. Peci, M. Ruiz de Adana	Applied Thermal Engineering	Article in Journal	Elsevier	Jun 20	https://doi.org/10.1016/j.applthermaleng.2020.115580





#	Title	Main Author	Journal name	Type	Publisher	Date	DOI/Link
5	Technical-Economic Analysis of a Hybrid Thermal Energy Supply System Based on Renewable Energy Sources	Roxana Pătrașcu, Constantin Ionescu, Mihai Rareș Sandu, Diana Ban (Tuțica)	Proceedings	Conference Paper	MDPI	Dez 20	https://doi.org/10.3390/proceedings2020063019
6	Integration of Renewables in DHC for Sustainable Living Workshop	María Victoria Cambronero Vázquez, Jack Corscadden, Antonio Garrido Marijuan, Giulia Barbagelata, Georg Hamann, Matthieu Grosjean, Nora Mendoza	Proceedings	Conference Paper	MDPI	Jan 21	https://doi.org/10.3390/proceedings2020065030
7	Identification of Key Performance Indicators related to the implementation of a hybrid energy supply system based on renewable energy sources	D. Tuțică, M. R. Sandu, R. Pătrașcu, C. Ionescu	IOP Conference Series: Earth and Environmental Science	Conference Paper	IOP	Jan 21	https://doi.org/10.1088/1755-1315/664/1/012058
8	Increasing the Heat Supply Quality of an Existing Building Within the University POLITEHNICA of Bucharest Campus	Constantin Ionescu, Roxana Patrascu, Mihai Rares Sandu	2020 International Conference and Exposition on Electrical And Power Engineering (EPE)	Conference Paper	IEEE	Feb 21	https://doi.org/10.1109/epe50722.2020.9305644





#	Title	Main Author	Journal name	Type	Publisher	Date	DOI/Link
9	PV Panels Tilt Angle Assesment under Restricted Area Conditions and Resilience in a Romanian Case	Mihai Sanduleac, Ion Tristiu, Alexandru Mandis, Constantin Ionescu	2020 International Conference and Exposition on Electrical And Power Engineering (EPE)	Conference Paper	IEEE	Feb 21	https://doi.org/10.1109/epe50722.2020.9305542
10	Performance Assessment of District Energy Systems with Common Elements for Heating and Cooling	Aleksandar Ivančić, Joaquim Romaní, Jaume Salom and Maria-Victoria Cambronero	Energies	Article in Journal	MDPI	Apr 21	https://doi.org/10.3390/en14082334
11	Seasonal Analysis Comparison of Three Air-Cooling Systems in Terms of Thermal Comfort, Air Quality and Energy Consumption for School Buildings in Mediterranean Climates	María Jesús Romero-Lara, Francisco Comino and Manuel Ruiz de Adana	Energies	Article in Journal	MDPI	Jul 21	https://doi.org/10.3390/en14154436
12	High reporting rate smart metering data for enhanced grid monitoring and services for energy communities	Mihai Sănduleac, Irina Ciornei, Lucian Toma, Radu Plămnescu, Ana-Maria Dumitrescu, Mihaela M. Albu	IEEE Transactions on Industrial Electronics	Article in Journal	IEEE	Jul 21	https://doi.org/10.1109/TII.2021.3095101
13	Islanded Microgrids control by using Grid Former and Synthetic Slack Bus concept - A preliminary analysis	SANDULEAC, Mihai; EREMIA, Mircea; TOMA, Lucian; DAMIAN, Catalin; GAVRILAS, Mihai;	SIELMEN 2021	Conference Paper	IEEE	Sep 21	https://10.1109/SIELMEN53755.2021.9600347





#	Title	Main Author	Journal name	Type	Publisher	Date	DOI/Link
		GRIGORAS, Gheorghe; STRATAN, Ion; GROPA, Victor					
14	Techno-economic analysis of biomass micro-cogeneration in facilities in buildings	Marko Mimica, Mirko Tunjić, Klaudija Terlević	8th Congress of Croatian Builders	Conference Paper	CCB	Okt 21	https://drive.google.com/
15	Seasonal performance analysis of three air cooling systems for school buildings	María Jesús Romero-Lara, Francisco Comino, Manuel Ruiz de Adana	Environmental Science Proceedings (ISMO 21)	Conference Paper	IEEE	Okt 21	https://doi.org/10.3390/environsciproc2021009014
16	Proposal of a thermocline Molten Salt Storage Tank for District Heating and Cooling	A. Abánades, J. Rodríguez-Martín, J.J. Roncal, A. Caraballo, F. Galindo	International Conference on Polygeneration 2021	Conference Paper	ICP21	Okt 21	https://www.wedistrict.eu/wp-content/uploads/2021/10/UPM_FERTIBERIA-ICP_2021_revised.pdf
17	Fuel cell powered air-cooled data centre: cogeneration solutions for District Heating Networks	P. Taddeo, J. Romani, J. Summers, J. Gustafsson, I. Martorell, J. Salom.	International Conference on Polygeneration 2021	Conference Paper	ICP21	Okt 21	Proceedings of the sixth International conference on polygeneration (ICP2021). ISSN: 978-84-09-35919-6 https://polygeneration2021.i3a.es/wp-content/uploads/2021/10/W3_WEDISTRICT_v3.pdf
18	Experimental and Numerical Analysis of Regenerative Indirect Evaporative Coolers	Francisco Comino, María Jesús Romero-Lara, Manuel Ruiz de Adana	Environmental Science Proceedings (ISMO 21)	Conference Paper	IEEE	Okt 21	https://doi.org/10.3390/environsciproc2021009021
19	Life cycle assessment of an experimental solar HVAC system and a conventional HVAC system	Jesús Castillo-González, Francisco Comino, Francisco J. Navas-Martos,	<u>Energy and Buildings</u>	Article in Journal	Elsevier	Nov 21	https://doi.org/10.1016/j.enbuild.2021.111697





#	Title	Main Author	Journal name	Type	Publisher	Date	DOI/Link
		Manuel Ruiz de Adana					
20	Study on optimal solar thermal technology used for DHW preparation based on TRNSYS simulation	Mihai-Rareş Sandu, Constantin Ionescu, Gabriela-Elena Iordache; Claudia-Mădălina Dumitru	IEEE 10th International Conference on Energy and Environment	Conference Paper	IEEE	Nov 21	https://doi.org/10.1109/CIEM52821.2021.9614924
21	Cooling potential assessment of a regenerative indirect evaporative cooler	Francisco Comino, María Jesús Romero, Manuel Ruiz de Adana	Innovation Sustainability Modernity Openness. Modernity in Engineering.	Series of Monographs Volume 43 Book article	Politechnika Białostocka	Jan 22	https://doi.org/10.24427/978-83-66391-90-1
22	Energy consumption, thermal comfort and indoor air quality assessment in a school building using three air-cooling systems	Francisco Comino, María Jesús Romero, Manuel Ruiz de Adana	Innovation Sustainability Modernity Openness. Modernity in Engineering.	Series of Monographs Volume 43 Book article	Politechnika Białostocka	Jan 22	https://doi.org/10.24427/978-83-66391-90-1
23	Energy and exergy analysis of H ₂ O/libr absorption heat pumps for combined heating and cooling applications	Prieto, Juan; Ayou, Dereje S.; Coronas, Alberto	Cyted2022	Conference Paper	Ediciones UPCT	Apr 22	http://hdl.handle.net/10317/11519
24	Design of highly compact indirect evaporative coolers	Francisco Comino, Jesús Castillo-González, Francisco J. Navas-Martos, Pablo E. Romero, Manuel Ruiz de Adana	CLIMA 2022 Conference	Conference Paper	TU Delft	Mai 22	https://doi.org/10.34641/clima.2022.182





#	Title	Main Author	Journal name	Type	Publisher	Date	DOI/Link
25	Experimental assessment of thermal effectiveness of a regenerative indirect evaporative cooler	María Jesús Romero-Lara, Francisco Comino, Manuel Ruiz de Adana	CLIMA 2022 Conference	Conference Paper	TU Delft	Mai 22	https://doi.org/10.34641/clima.2022.145
26	Experimental and numerical study of dew-point indirect evaporative coolers to optimize performance and design	Francisco Comino, María Jesús Romero-Lara, Manuel Ruiz de Adana	International Journal of Refrigeration	Article in Journal	Elsevier	Jun 22	https://doi.org/10.1016/j.ijrefrig.2022.06.006
27	Preparing for future e-waste from photovoltaic modules: a circular economy approach	Hidalgo-Carvajal, David; Carrasco-Gallego, Ruth	International Journal of Production Management and Engineering (IJPME)	Article in Journal	Universitat Politècnica de València	Jul 22	https://doi.org/10.4995/ijpme.2022.16712
28	Environmental and Water-Use Efficiency of Indirect Evaporative Coolers in Southern Europe	María Jesús Romero-Lara, Francisco Comino, Manuel Ruiz de Adana	Environmental Science Proceedings (ISMO 22)	Conference Paper	MDPI	Sep 22	https://doi.org/10.3390/environsciproc2022018013
29	Ecodesign Strategies for Reducing Environmental Impact on Solar HVAC Systems	Jesús Castillo-González, Francisco Comino, Francisco J. Navas-Martos, Manuel Ruiz de Adana	Environmental Science Proceedings (ISMO 22)	Conference Paper	MDPI	Sep 22	https://doi.org/10.3390/environsciproc2022018017
30	Thermal performance evaluation of a building located in a university campus	Gabriela-Elena Iordache; Constantin Ionescu	ICECET 2022	Conference Paper	IEEE	Sep 22	https://doi.org/10.1109/ICECET55527.2022.9872816





#	Title	Main Author	Journal name	Type	Publisher	Date	DOI/Link
31	Proposal of a thermocline molten salt storage tank for district heating and cooling	A.Abánades, J.Rodríguez-Martín, J.J.Roncal, A. Caraballo, F.Galindo	Applied Thermal Engineering	Article in Journal	Elsevier	Sep 22	https://doi.org/10.1016/j.applthermaleng.2022.119309
32	Thermocline thermal storage for CSP applications: characterization of novel nitrate salt mixtures	G. Canneto, A. C. Tizzoni, S. Sau, E. Mansi, W. Gaggioli, A. Spadoni, N. Corsaro, M. Capocelli, G. Caputo, F. Galindo, A. Della Libera	Journal of Solar Energy Engineering: Including Wind Energy and Building Energy Conservation	Article in Journal	ASME	Okt 22	https://doi.org/10.1115/1.4055295
33	Seasonal energy efficiency ratio of regenerative indirect evaporative coolers—Simplified calculation method	María Jesús Romero-Lara, Francisco Comino, Manuel Ruiz de Adana	Applied Thermal Engineering	Article in Journal	Elsevier	Nov 22	https://doi.org/10.1016/j.applthermaleng.2022.119710
34	Fuel cell powered air-cooled data centre: cogeneration solutions for District Heating Networks	P. Taddeo, J. Romani, J. Summers, J. Gustafsson, I. Martorell, J. Salom.	International Conference on Polygeneration 2021	Conference Paper	ICP21	Okt 21	Proceedings of the sixth International conference on polygeneration (ICP2021). ISSN: 978-84-09-35919-6 https://polygeneration2021.i3a.es/wp-content/uploads/2021/10/W3_WEDISTRRICT_v3.pdf
35	Solutions for Digital Interaction of a Resilient Energy Community in a Service-oriented Framework.	Sănduleac, M., Ionescu, C., Mandis, A., Gropa, V., Efremov, C., Sanduleac, V.	12th International Conference and Exposition on Electrical and Power Engineering	Conference Paper	IEEE	Dez 22	https://doi.org/10.1109/EPE56121.2022.9975792



7.3. Table with events

The following table shows all major event participations from October 1st 2019 to October 31st 2022 – sorted by event date. Event participations (reported) after this date will be included in the final version of this report at the end of the project.

#	Date	Event Title	Type of activity	Partner	Title of intervention
1	December 7, 2019	UN Climate Change Conference COP 25	International Meeting/Event	Acciona	Project presentation at the COP in Madrid
2	December 7, 2019	UN Climate Change Conference COP 25	International Meeting/Event	Atos	Project presentation at the COP in Madrid
3	May 5, 2020	Webinar organised by the Italian branch of R2M within a series of online webinars 'R2M Online Academy'	Webinar	R2M	Presentation of the project
4	May 28, 2020	A webinar organised by DHC+	Webinar	Acciona	Presentation of the project
5	September 9, 2020	FOREN 2020 (Energy Transition in South East Europe: Opportunities, Challenges, Perspectives)	International Meeting/Event	UPB	Presentation: MANAGEMENT OF IMPLEMENTING A PILOT PROJECT AT UPB-FACULTY OF POWER ENGINEERING
6	October 6, 2020	Smart Energy Systems	Conference	IREC	Presentation titled "Evaluation of district energy systems for heating and cooling generation"
7	October 6, 2020	Smart Energy Systems	Conference	Ramboll, Bava/Bigum	Presentation: "WEDISTRICT: Feasibility analysis of renewable DHC concepts in different climatic zones", "Real-scale integrated renewable energy systems"
8	October 8, 2020	INTER-ENG 2020 (14th International Conference Interdisciplinary in Engineering)	International Meeting/Event	UPB	Presentation: Technical-economic analysis of a hybrid thermal energy supply system based on renewable energy sources
9	October 15, 2020	15 ^o National Environment Congress CONAMA'2020	National Meeting/Event	UCO	Participation
10	October 22, 2020	EPE 2020 (International Conference and Exposition on Electrical And Power Engineering)	International Meeting/Event	UPB	Presentation: PV panels tilt angle assesement under restricted area





#	Date	Event Title	Type of activity	Partner	Title of intervention
					conditions and resilience in a Romanian case
11	October 22, 2020	EPE 2020 (International Conference and Exposition on Electrical And Power Engineering)	International Meeting/Event	UPB	Presentation: Increasing the Heat Supply Quality of an Existing Building Within the University POLITEHNICA of Bucharest Campus
12	October 23, 2020	EENVIRO 2020 (7th Conference of the Sustainable Solutions for Energy and Environment)	International Meeting/Event	UPB	Presentation: "Identification of Key Performance Indicators related to the implementation of a hybrid energy supply system based on renewable energy sources"
13	October 28, 2020	Workshop organised by R2M in the frame of sustainable places event	Webinar	Acciona	Stakeholders -31 fixed attendants and 64 people connected at the same time in a certain moment
14	November 11, 2020	Datacenter dynamics	Webinar	RISE, Jon Summers	Panel: Is Europe leading the world in sustainability research and innovation? (mentioned Wedistrict amongst other things)
15	April 7, 2021	Data Center Forum Energy online event	Conference	RISE, Jon Summers	WEDISTRRICT solutions for data centers, event focus on climate change and data centers
16	May 1, 2021	RELaTED Project and WEDISTRRICT project use of solar power to deliver heat on the DHC network SEENSO	Stakeholder Meeting	Seenso	Participation in activities organised jointly with Solar energy solutions for decarbonizing Ultra Heating and Cooling
17	May 1, 2021	Workshop European Federation of Agencies and Regions for Energy and the Environment	Workshop	Seenso	Advanced Tracked Concentrator for fixed Tilt Solar Thermal Collectors
18	May 14, 2021	X International Scientific Conference ISMO 2021	Conference	UCO	Experimental and numerical analysis of regenerative indirect evaporative coolers
19	May 31, 2021	Spanish National Environmental Congress (CONAMA)	International Meeting/Event	Acciona	Stand and round table: Smart and local reneWable Energy DISTRICT heating and





#	Date	Event Title	Type of activity	Partner	Title of intervention
					cooling solutions for sustainable living, WEDISTRICT
20	July 8, 2021	French Riviera Energy Transition forum	International Meeting/Event	R2M	CCI Assises Transition Energetiques
21	July 27, 2021	Polygeneration ICP 2021	International Meeting/Event	Fertiberia	Paper: Proposal of a thermocline Molten Salt Storage Tank for District Heating and Cooling
22	July 28, 2021	Global Conference on Data Center Ecosystem	International Meeting/Event	RISE, Jon Summers	Preliminary design of a micro data center operating on biogas driven fuel cells connected directly to a local district heating network time
23	August 26, 2021	Digital Infra Network	International Meeting/Event	RISE, Jon Summers	Topic: Innovative ways to cool data centers
24	September 21, 2021	7th International Conference on Smart Energy Systems (SESAAU 2021)	International Meeting/Event	UPB, M. Sandu	Analysis and optimisation of a renewable energy hybrid system operation
25	September 21, 2021	7th International Conference on Smart Energy Systems (SESAAU 2021)	International Meeting/Event	UPB, C. Dumitru	Optimizing the development process of a hybrid energy supply system based on renewable sources using the LEAN methodology
26	September 29, 2021	Sustainable Places 2021, DHC Networks in EU Innovation Projects	International Meeting/Event	DHECO, UPB, Ramboll, RISE, Acciona	Presentation at Webinar
27	September 29, 2021	Sustainable Places Conference	Conference	Ramboll	Presentation at Sustainable Places 2021 workshop
28	October 1, 2021	Atecyr HVACR Award 2020-2021	National Meeting/Event	UCO	Undergrad and grad papers. UCO Finalist for Andalusia region.
29	October 4, 2021	International Conference on Polygeneration 2021 (ICP 2021)	International Meeting/Event	Ramboll	Workshop
30	October 4, 2021	International Conference on Polygeneration 2021 (ICP 2021)	International Meeting/Event	Fertiberia	Presentation: Molten Salts Energy storage at Polygeneration ICP 2021 workshop.





#	Date	Event Title	Type of activity	Partner	Title of intervention
31	October 4, 2021	International Conference on Polygeneration 2021 (ICP 2021)	International Meeting/Event	Acciona	Abstract - Workshop
32	October 5, 2021	8th CONGRES Of Croatian Builders Construction And Climate Change	Conference	CER	Techno-economic analysis of biomass micro-cogeneration facilities in buildings
33	October 6, 2021	International Conference on Polygeneration 2021 (ICP 2021)	International Meeting/Event	UPB et al.	Presentation of PV-Geothermal hybridization technology
34	October 8, 2021	IEEE 13th International Conference on Electromechanical and Energy Systems (SIELMEN 2021)	International Meeting/Event	UPB	Presentation: Islanded Microgrids control by using Grid Former and Synthetic Slack Bus concept - A preliminary analysis
35	October 14, 2021	Datacenter Forum	International Meeting/Event	RISE	WEDISTRICT: Powering urban edge data centers on biogas with direct heat recovery
36	October 14, 2021	IEEE 10th International Conference on Energy and Environment (CIEM 2021)	International Meeting/Event	UPB	Study on optimal solar thermal technology used for DHW preparation based on TRNSYS simulation
37	October 31, 2021	Atecyr HVACR Award 2020-2021	National Meeting/Event	UCO	Participation as finalist in Andalusia
38	November 16, 2021	Just Transition Platform Meeting- European Commission's DG REGIO and DG ENERGY	Stakeholder Meeting	Acciona	Participation in an event
39	January 25, 2022	SUSCHEM España, Materiales para almacenamiento	National Meeting/Event	Fertiberia	Sales Novedosas de Almacenamiento Térmico de FERTIBERIA
40	February 1, 2022	Plataforma Tecnológica y de Innovación Española de Química Sostenible: Materiales para Almacenamiento Energético	National Meeting/Event	Fertiberia	Fertiberia's salts for thermal storage
41	April 18, 2022	Conference	Conference	Universidad Rovira i Virgili	Presentation
42	May 3, 2022	Data Center World London	Conference	RISE, Jon Summers	Case study and demonstration: A biogas prime-powered, liquid-cooled edge datacentre with direct heat recovery
43	May 24, 2022	Industry Meeting Fertiberia	International Meeting/Event	Fertiberia	Commissioners from the Bref Bureau of the European Commission, Members of





#	Date	Event Title	Type of activity	Partner	Title of intervention
					the Spanish Ministries of Industry and Ecological Transition and visited the Fertiberia facilities in Huelva and Palos de la Frontera,
44	September 8, 2022	Sustainable Places: Tools and Technologies for Hybrid Thermal and Electric Grids towards Sector Coupling	International Meeting/Event	UPB, ATOS	Presentation of the project by C. Ionescu (UPB) and Javier Ruiz (ATOS)
45	September 9, 2022	Sustainable Places: Renewable Energy Technologies Paper Session	International Meeting/Event	IREC	P. Taddeo "Design of a district heating/cooling plant coupled with waste-heat recovery from a data centre in a University Campus in Spain"
46	September 15, 2022	EU Sustainable Energy Days Webinar "Digital tools as enablers of more efficient #energy consumption..."	Stakeholder Meeting	ESCI, Fertiberia	ESCI co-organizing with Alliance4ECEI, Fertiberia attendance
47	November 8th 2022	25th ECOMONO - The Green Technology Expo	International Meeting/Event	CER	Presentation of WEDISTRIC project
48	November 11th 2022	UN Climate Change Conference COP 27	International Meeting/Event	Acciona	Presentation / Naming of WEDISTRIC project in panel discussion

