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European Technology and Innovation Platform

## Organisation of the annual conference

### Deliverable 5.3

#### WP5 / Task 5.2 Organisation of annual conference

Grant agreement: 825998

From December 2018 to November 2021

Prepared by Lourdes Laín Caviedes, EUREC

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## European Technology and Innovation Platform on Renewable Heating and Cooling

### ABBREVIATIONS

**RHC ETIP:** European Technology and Innovation Platform on Renewable Heating and Cooling

**RHC:** Renewable heating and cooling

**CFP:** Call for Projects

**DCP:** Draft Communication Plan

**HWGs:** Horizontal Working Groups

**TPs:** Technology Panels

**BE:** Bioenergy Europe

**EHPA:** European Heat Pump Association

**EUREC:** The Association of European Renewable Energy Research Centres

**EGEC:** European Energy Council

**EHP:** Euroheat & Power

**SHE:** Solar Heat Europe

### PARTNERS



The Association of European Renewable Energy Research Centres



Formerly known as AEBIOM: Association Européenne pour la Biomasse



European Energy Council



Euroheat & Power



Formerly known as ESTIF: The European Solar Thermal Industry Federation



European Heat Pump Association

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## INTRODUCTION

The Deliverable 5.3 Organisation of first annual conference is part of the Task 5.2 Organisation of annual conference, included within Work Package 5 on communication and dissemination activities. The organisation of the annual conference also responds to Task 3.2 via the inclusion of a national roundtable to engage the discussion with national stakeholders.

The objective of the present deliverable is to give an overview of the annual RHC ETIP's event organised in 2019 on the 28<sup>th</sup> of October in Helsinki. This deliverable includes the program and sessions, available presentations, pictures, number and profile of participants, challenges, role of the partners of the Secretariat and next steps.

Based on the strategy defined by the Deliverable 5.1 Draft Communication Plan, the organisation of the annual conference is a powerful communication instrument at the service of the activities and purposes of the RHC-ETIP. The objective of the organisation of the annual conference is to discuss relevant technology improvements and how to increase competitiveness of the renewable heating and cooling sector.

The present deliverable is due by the end of month 24, November 2019. Even if Bioenergy Europe was to lead the conference organisation, due to internal restructuring, it was finally EUREC who took the lead with the support of the other associations, which used their networks and channels to attract relevant speakers, and to widely promote the event.

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### THE 100% RHC EVENT



#### 100% Renewable Heating and Cooling for a Sustainable Future

This event aimed at bringing together all relevant stakeholders of the RHC-sector with a view to presenting and discussing relevant technology improvements, and the way forward to increase the competitiveness of the sector. Such annual event included two main sessions:

- **100% RHC Workshop:** a morning session dedicated to a technical workshop to present innovative projects and practices on renewable heating and cooling and,
- **100% RHC Conference:** an afternoon session focused on the presentation of the RHC-ETIP' first strategic document and two panel discussions; an RHC experts roundtable; and an national roundtable (see Task 3.2 to engage the discussion with national stakeholders.)

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## European Technology and Innovation Platform on Renewable Heating and Cooling

### THE 100% RHC EVENT IN A NUTSHELL



On Monday 28 October 2019, the Secretariat of the European Technology and Innovation Platform on Renewable Heating and Cooling (RHC ETIP) organised the workshop and conference *100% Renewable Heating and Cooling for a Sustainable Future* (100% RHC EVENT).

The 100% RHC EVENT aimed to inform, network and share the latest contributions of the RHC ETIP to the heating and cooling sector. It hosted 86 participants at the Hotel Sokos Presidentti in Helsinki. City chosen as a gesture to the Finland's Presidency of the Council of the European Union.

Two main sessions composed the event - the 100% RHC Workshop & the 100% RHC Conference.

#### 100% RHC Workshop

During the morning of the 28 October, the technical workshop focused on promising R&I projects involving RHC technologies. The workshop started with the presentation of the database of projects on renewable heating and cooling that is already integrated on the updated website of the RHC-ETIP ([here](#)). Afterwards, four sessions were dedicated to selected projects on renewable heating and cooling in buildings, districts, cities and industries. The presented projects are the result of a call for projects launched during 2019.

The selected projects that participated at the workshop are listed in ANNEX 1. [here](#)



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## European Technology and Innovation Platform on Renewable Heating and Cooling

### 100% RHC Conference



In the afternoon, the Chair of the RHC ETIP, Dave Pearson, gave an introductory speech. The high-level conference was led by RHC industry, RHC policy representatives and Finnish government officials. And the discussion focused on three main topics:

- The publication of the latest joint work of the RHC ETIP, [2050 Vision for 100% Renewable Heating and cooling in Europe](#), which was distributed during the event. Dominik Rutz and Marco Calderoni, members of the Board of the RHC ETIP, presented the document.
- The role of the RHC in the 2050 energy scenario, a panel discussion moderated by Paola Mazzucchelli, EUREC Secretary General.
- National Challenges in EU energy policy for the RHC sector, a national roundtable moderated by Sofia Lettenbichler, Euroheat & Power Policy and Projects Manager

By the end of the day, the team of the Mayor of Helsinki hosted an evening reception at the City Hall of Helsinki. Participants from the 100% RHC event joined as guests of this reception, organised in collaboration with the World Energy Council and the Nordic Energy Forum.

Presentations are available [here](#)

Pictures are available [here](#)

Agenda of the day is included as Annex 2 for consultation.

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## ORGANISATION & ROLES

The RHC ETIP Secretariat, led by EUREC, organised the annual conference. In order to distribute the activities within the preparation of the 100% RHC EVENT, EUREC proposed the roles below to the organisation members of the Secretariat:

PARTNER	ACTIVITIES RELATED TO
BIOENERGY EUROPE	Coordination of logistics
EGEC	Creation of promotional visuals for social media
EUREC	Coordination communication campaign of the event
EUROHEAT AND POWER	Research of multipliers and moderation of panel discussion
EUROHEAT PUMP ASSOCIATION	Presentation of the RHC ETIP's projects database
1 PERSON FROM EACH PARTNER	Help on-site during the day of the event

### Examples of promotional efforts

EUREC prepared guidelines for the partners of the Secretariat in order to promote the event widely, attract speakers and participants:

- RHC ETIP Newsletter of June 2019, including the 'save the date' of the event [here](#)
- Specific mailing campaigns and reminders [here](#) and [here](#)
- Twitter campaign examples under the hashtag [#100RHC](#)



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**RHC ETIP • ETIP on Renewable Heating & Cooling** @EtipR... · Sep 16

#100RHC Speakers & Projects • Meet the Renewable Heating & Cooling Experts who will lead you through the #100RHC Conference & Workshop on the 28th October 2019, in Helsinki, Finland:

100% RHC Conference: [ow.ly/2rfI50vsKnz](https://ow.ly/2rfI50vsKnz)

100% RHC Workshop: [bit.ly/2ITzCwn](https://bit.ly/2ITzCwn)



**100% Renewable Heating & Cooling for a Sustainable Future**

Helsinki, Finland 28 October 2019 #100RHC

**Marco Calderoni**

Senior Project Manager, Research to Market Solution

14h00 • Vision presentation

Marco Calderoni and 9 others



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## European Technology and Innovation Platform on Renewable Heating and Cooling

You Retweeted



**Mirja Tiitinen** @MirjaTiitinen1 · Oct 25

I'm pleased and honored to have the opportunity to present case studies from Finland on renewable district heating: examples of the paths towards decarbonized district heating and cooling systems and also how our companies already have reached CO2-free district heating networks.



**RHC ETIP • ETIP on Renewable Heating & Cooling** @Etip... · Oct 25

#100RHC EVENT / 3 DAYS LEFT!

Mirja Tiitinen (@MirjaTiitinen1) from Finnish Energy (@Energiateol) will join us next Monday 28th October in #Helsinki to discuss about national challenges in EU policy for the #RenewableHeatingAndCooling sector.

#RHCETIP

*100% Renewable Heating & Cooling  
for a Sustainable Future*

Helsinki, Finland 28 October 2019

#100RHC



**Mirja Tiitinen**

Advisor, Finnish Energy (FE)

**16h00 ■ Countries Roundtable**  
National challenges in EU energy policy for the RHC sector



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# CONCLUSIONS

The overall result of the organization of the first annual conference is positive:

- The number of participants targeted was 150 and the event hosted 86. The new location of the event, Helsinki, was a challenge we assume. The RHC ETIP partners believe that the same type of event in Brussels would have attracted more participants. However, the objective of the RHC ETIP annual conference is to reach the RHC sector at local level. For this reason, although the number of participants is lower than the target, RHC ETIP has reached new stakeholders and members, since we started the promotion of the event. In fact, 40% of the attendees (35 out of 86) were from Finland. Moreover, since the conference promotion in July 2019, we have had 14 new members from Finland joining the RHC-ETIP.
- A high-quality program supported by speakers from research, industry and national representatives. This favoured the creation of new alliances with stakeholders in order to disseminate the RHC-ETIP activities and strategic documents.
- The organisation of the event at the end of the year is also a challenge when the promotional campaign is interrupted by the summer months (July and August). Regarding the 2020 edition of the annual conference and to tackle this challenge, to reach 150 participants in 2020 and to improve our dissemination efforts, the RHC ETIP has already taken some measures:
  - The RHC ETIP annual conference will take place during the International Sustainable Energy Conference 2020 ([ISEC 2020](#)), from the 14-16 October 2020 at Congress Graz, in Austria. The RHC ETIP will take advantage of the well-known name of this event and of the possibility to participate to two events (ISEC and 100% RHC EVENT 2020) to attract more participants.
  - 100% RHC 2020 will keep the quality of the sessions of the RHC ETIP conference, by contacting speakers from the rich network of the organisations of the Secretariat.
  - The RHC ETIP will start the promotion of the event as from December 2019, with the distribution of the second newsletter of the year.
  - And finally, in order to favorise the branding of the RHC ETIP conference, we will keep on using the same name for future editions (100% RHC EVENT 2020 and 2021) in order to be recognised and easily followed through communication channels and social media.

# ANNEX 1: LIST OF INNOVATIVE PROJECTS

**The European Technology and Innovation Platform on Renewable Heating and Cooling (RHC ETIP)** organised a technical workshop in the framework of its annual event. The objective was to give visibility to promising R&I projects and to favour exchange of knowledge among sector stakeholders. The scope of the workshop was to showcase innovative projects related to renewable heating and cooling technologies and best practices for their deployment and integration. In this framework, the workshop was divided in four sessions, respectively focusing on individual buildings, districts, cities and industries.

## SELECTED PROJECTS / PRACTICES PER TOPIC

You will find below the title or short description of the projects that will be presented during the 100% RHC Workshop:

### BUILDINGS

[GEOFIT](#), presented by Marco Calderoini, R2M Solution

Heating and cooling technologies for the day after tomorrow, presented by Thomas Noll, easy-tnt and Aqua2Power

[Heat4Cool](#), presented by Rossano Scoccia, Department of Energy – Politecnico di Milano

[AgroBioHeat](#), presented by Giulia Cancian, Bioenergy Europe

### DISTRICTS

[TEMPO](#): TEMPerature Optimisation for Low Temperature District Heating across Europe, presented by Ralf-Roman Schmidt, AIT Austrian Institute of Technology GmbH

[Upgrade DH: Upgrading the Performance of District Heating Networks in Europe](#), presented by Rutz Dominik, WIP Renewable Energies

### CITIES

[Star's Neatpump](#), presented by Nicky Cowan, Star Renewable Energy

[Helen](#), presented by Martti Kukkola, Oilon Oy

[MEMPHIS](#) – Methodology to Evaluate and Map the Potential of Waste Heat from Industry, Service Sector and Sewage Water by Using Internationally Available Open Data, presented by Johannes Pelda, HAWK – University of Applied Sciences and Arts

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## European Technology and Innovation Platform on Renewable Heating and Cooling

[Hybrid Hydro Power Plant \(HHPP\)](#), cogeneration of Electrical and Thermal Power, presented by Bernhard Puttke, JAT Consulting KG

[Hotmaps](#) – The open source mapping and planning tool for heating and cooling, presented by Mostafa Fallahnejad, TU Wien.

### INDUSTRIES

[SHIP2FAIR – The key to take industrial plants to the next level by using Solar Heat instead of fossil fuels](#), presented by Yolanda Lara, CIRCE Foundation

[SOLPART](#), presented by Marie Prouteau, Euronovia

[TVP Solar](#) High Vacuum Flat Panels for SHIP in ORF (Ocean Rubber Factory-UAE) and Saudi Aramco (Oil and Gas Treatment Plant-Saudi Arabia), by Guglielmo Cioni, TVP Solar

During spring 2019, the RHC ETIP launched a [call for abstracts](#) to select the projects to be showcased. The projects/best practices relate to one or more of these categories:

- new or improved technologies for solar thermal, geothermal and bioenergy;
- new or improved technologies for thermal networks, heat pumps and thermal storage;
- development or demonstration of hybrid systems;
- planning and management tools at district and city level;
- socio-economic analysis on the implementation and uptake of RHC solutions.

The RHC ETIP accepts both individual and cooperative projects, publicly or privately financed.

### Application process

The RHC ETIP accepts applications by individual researchers, public or private research organisations, companies and public authorities. Abstracts submission was open until 15 July 2019, with two-weeks extension.


### Selection process

Projects/best practices were selected by the RHC ETIP Horizontal Working Groups (HWGs) Chairs taking into consideration several aspects, such as the level of innovation, the potential for deployment and replication, the contribution to foster market penetration of RHC solutions. The HWGs paid attention to keep the right balance between different technologies.

**Communication to the selected projects took place from 26 August-27 September.**



## ANNEX 2: AGENDA OF THE 100% RHC EVENT (online [here](#))



# 100% Renewable Heating & Cooling for a Sustainable Future

28 October 2019 • Helsinki, Finland

## Agenda

\*Consult the most updated version of the agenda at [www.rhc-platform.org](http://www.rhc-platform.org)

### AFTERNOON HIGH-LEVEL CONFERENCE

<p>13h30</p> <p>13h45</p> <p>14h00</p> <p>14h30</p>	<p><b>OPENING REMARKS</b> Dave Pearson, Chair, RHC Platform</p> <p><b>KEYNOTE SPEECH</b> Artur Runge-Metzger, Director, European Commission DG CLIMA</p> <p><b>PLATFORM VISION</b> Marco Calderoni, Senior Project Manager, Research to Market Solution Dominik Rutz, Head of the Bioenergy &amp; Bioeconomy Unit at WIP Renewable Energies</p> <p><b>PANEL DISCUSSION</b> The role of RHC in the 2050 energy scenario <b>Moderator</b> - Paola Mazzucchelli, Secretary General, the Association of European Renewable Energy Research Centres Hannes Touhiniitty, President, Bioenergy Europe Hanna-Leena Pesonen, Dean &amp; Professor, Jyväskylä University School of Business and Economics Antti Arasto, Research Manager, VTT Ralf-Roman SCHMIDT, Senior Research Engineer, AIT Javier Urchueguia, Professor, UPV – Universitat Politècnica de València</p> <p>15h30</p> <p>16h00</p> <p>17h00</p>
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### MORNING TECHNICAL WORKSHOP

<p>9h00</p> <p>9h30</p> <p>10h45</p> <p>11h15</p> <p>12h30</p>	<p><b>WELCOME &amp; INTRO</b> Introduction to the event and presentation of projects' database</p> <p><b>PROJECT PITCHES I</b> Buildings and Districts: list of selected projects available on the website!</p> <p><b>COFFEE-BREAK</b></p> <p><b>PROJECT PITCHES II</b> Cities and Industries: List of selected projects available on the website!</p> <p><b>LUNCH</b></p>
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### EVENING RECEPTION

19h00 **NORDIC ENERGY FORUM RECEPTION**

Join the Helsinki Challenge! The Mayor of Finland's capital launched a campaign aimed at tackling climate change called the Helsinki Challenge competition. He promised 1MEUR to whoever can devise an energy production method that would replace coal burning for heat in the capital city.

Join the reception, organised in collaboration with WEC & NEF at the City Hall of Helsinki

**WORLD ENERGY COUNCIL**

**NORDIC ENERGY FORUM**