

1st SPIRIT Webinar

“High-temperature heat pumps: heading towards the decarbonisation of industry”



**High-temperature heat pumps:
heading towards the
decarbonisation of industry**

4 April 2023 | 10h00 - 12h00 CET

  

 These projects have received funding from the Horizon Europe research and innovation programme under grant agreements No. 101069689 (PUSH2HEAT) and No. 101069672 (SPIRIT)

Date and time: Tuesday, 4 April 2023, 10:00 – 12:00 CEST

Videoconference Platform: Teams Webinar

Organiser: European Heat Pump Association

Registrations: 341

Attendees: 224

Work Package and Task: WP6 – Dissemination and Raising Awareness; Task 6.2 – Key messages and communication tools



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Background and aim of the webinar:

High-temperature heat pumps and waste heat recovery can play a vital role in decarbonising the industrial sector. Despite the fact that their potential has been remarked, there are several technical, economic and regulatory barriers preventing them from being deployed at a large-scale.

This webinar gave an overview of the state of the art of industrial heat pumps and provided some clues about the challenges and opportunities to be faced.

This event introduced two projects, SPIRIT and PUSH2HEAT, whose aim is to identify and overcome those barriers. Both projects will scale up different heat pump technologies for heat upgrading and integrate them into the chemical, paper and food and beverage industries.

Speakers

				
Irene Egea Saiz European Heat Pump Association	Andrew Marina , Netherlands Organisation for Applied Scientific Research	Jochen Schäfer , Siemens Energy	Majder Epelde TECNALIA	Veronika Wilk Austrian Institute of Technology

Agenda

10:00–10:10

Welcome and Introduction by **Irene Egea Saiz**, European Heat Pump Association (EHPA)

10:10–11:55

Presentations and Panel Discussion moderated by Irene Egea Saiz with:

- **Andrew Marina**, Thermal Systems Researcher at Netherlands Organisation for Applied Scientific Research (TNO)
 - Presentation title: “An introduction to the SPIRIT project”
- **Majder Epelde**, Project Manager in Renewable Energies and Thermal Efficiency at TECNALIA
 - Presentation title: “The PUSH2HEAT Project”
- **Jochen Schäfer**, Head of High Temperature Heat Pumps Department at Siemens Energy



- Presentation title: High-temperature heat pumps with subsequent steam compressors – a promising combination for low carbon process steam supply
- **Veronika Wilk**, Thematic Coordinator at Austrian Institute of Technology (AIT)
 - Presentation title: “Decarbonization of industrial processes with high temperature heat pumps”

11:55–12:00

Closing of the event by Irene Egea Saiz

Link to the event on EHPA Website: <https://app.ehpa.org/#/event-details:88>

Link to the event on SPIRIT Website: <https://bit.ly/3OlzQrx>

Number of posts on social media promoting the event by EHPA:

	LinkedIn	Twitter
Before the event	5 (1 general, 4 personalised)	5
During the event	4 (1 per each speaker)	5 (1 general, 4 per each speaker)
After the event	2 (with links to recording and presentations)	2

Post-webinar materials:

Recording: <https://www.youtube.com/watch?v=p2xLv0PUlz4>

Master Presentation: [here](#)

News article: https://www.ehpa.org/2023/04/05/ehpa_news/industrial-heat-pumps-decarbonising-industry-for-a-greener-future/

