

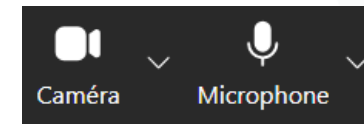
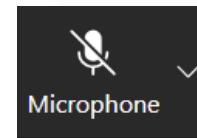
E-CAFÉ #1 ALLICE

Excess heat recovery



Rules and objectives of the e-café

- Please turn off your micro during the presentation phase (first 30min)
- Please turn on your camera and micro for the networking phase (last 30min)
- Get some insights from the presentation
- Meet other participants interested by the topic
 - Exchange email addresses
 - Make further appointment to discuss partnership, project...



Agenda

Welcome and ALLICE
introduction
(10min)



Léo Pasquier,
ALLICE

Success stories from
Thermal Energy
International, Q&A
(25min)



Guenter Lang, Thermal
Energy International

Networking
(2x10min)



Facilitators: ALLICE team

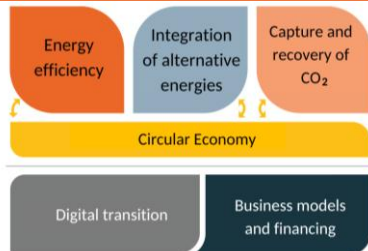
Alliance ALLICE

Federate and innovate to decarbonise industry

Our missions

- ✓ **Bringing together all the players** in the sector to innovate collectively in order to decarbonise the industry
- ✓ **Supporting the development of a range of high-performance**, differentiating decarbonisation solutions in France and abroad
- ✓ **Supporting manufacturers** in accelerating their decarbonisation

Our areas of intervention



Our structure

- ✓ Funding mostly coming from **members' fees**
- ✓ An **independent** animation structure
- ✓ A Governance that **meets members' needs** and provides a **strategic vision** of the challenges facing the industry
- ✓ A network of over **120 members and partners**

Our founders and shareholders



Our activities



Collective studies & monitoring



Coordination of the ALLICE network



Promoting the decarbonisation sector



Prestations & speeches

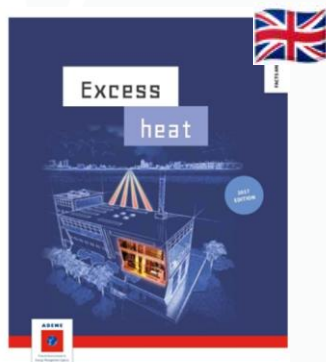
Excess heat in France



ADEME : French energy agency (created in 1992)

(~1000 FTE), governmental operator

Decarbonisation of industry: involved in research, financing, technical and scientific expertise, dissemination of information



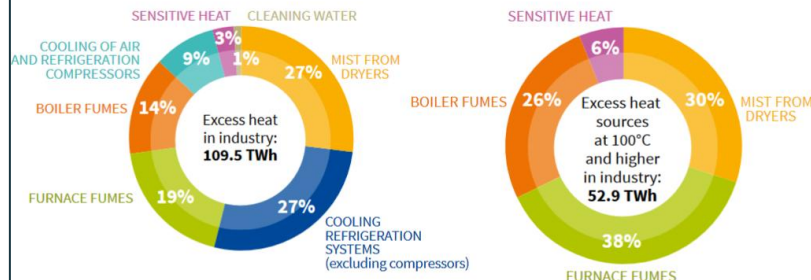
Reference report:
[Excess heat \(2017\)](#)

Excess heat in France

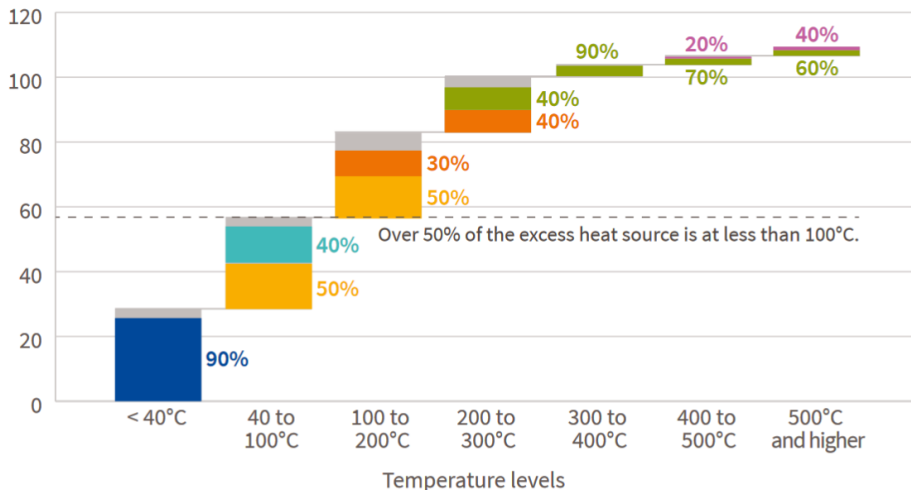
Types of emission

Excess heat comes from:

- furnace fumes;
- dryer mists;
- boiler fumes;
- sensitive heat from products output by furnaces that are then cooled;
- wastewater from cleaning;
- coolants for air or refrigeration compressors;
- coolants from refrigeration systems (excluding compressors);



Energy sources in TWh



Results from the 2017 report:

109,5 TWh of waste heat in industry (2015 data)

Excess heat in France



Update: [Récupération de chaleur fatale - État des réalisations et évolutions du gisement à fin 2020](#)

Results from the 2022 report:

85,2 TWh of waste heat in industry (2020 data)

(22% of the potential covered in 5 years)

THERMAL ENERGY INTERNATIONAL

Sustainability that pays for itself

How to save energy, fuel, GHG and more through
high efficiency waste heat recovery



An Innovative Technology Company Providing Sustainability Solutions
sales@thermalenergy.com | www.thermalenergy.com

Presentation of success stories

Networking

- First round of mix & match:
 - Small breakout rooms (5 people max) for 10min
 - Short round of introduction: answer the questions
 - Open discussion in each small group
- Second round
- Optional: Leave your coordinates in the Excel of the Teams meeting:
 - First Name / Name / Company / e-mail / Reason to be contacted*
**Examples: looking for a partner for a European project, looking for an expert in this sector, looking for feedback on this technology/use case, looking for*
 - This file can be filled and consulted afterwards, by any attendee
- Conclusion of the e-café

Picture time

Open the camera
Smile
Picture*

**We will use this picture to communicate on LinkedIn*

Round of introduction (~1' per participant)

- Name and company, position
- What is your company/structure doing on excess heat ?
- What are you expecting from this e-café ?
Examples: technology monitoring, partners identification, expert identification, etc.
- What did you like about the presentation / Is there something you want to add ?

Timing : 10' in the breakout room

ALLICE 3rd congress



Face-to-face event

- The right balance between **innovative technologies** and **practical applications** in industry
- A **cross-sectoral** approach that facilitates the sharing of technologies, pioneering best practices and complementary visions
- **Feedback** and expertise rigorously selected for their technical quality and innovative dimension

CONFERENCES &
KEYNOTES

ROUND TABLES

MEETINGS ET
NETWORKING

COCKTAIL & GALA
DINNER

Thank you!

Next e-café: May, 23

Topic: high temperature heat pump (to be confirmed)

Feedback welcomed:  leo.pasquier@alliance-allice.com