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Improving Cold Chain Energy Efficiency
in food and beverage sector



Newsletter #1 - May 2020

Edito

The ICCEE project funded by the H2020 has started in September 2019. ICCEE will make it easier for the food and beverage cold chain sector to accelerate the implementation of energy efficiency measures across the entire supply chain, also arising from energy audits, with a strong engagement of companies and other stakeholders. It will help to turn energy efficiency opportunities into actual investments and create a clear understanding of the economic and environmental impacts of improving energy efficiency. You can take part in its activities by visiting www.iccee.eu.

[This newsletter is brought to you in English, if you wish to find information in other languages, our brochure is available in Dutch, French, Italian, German, Latvian, Romanian and Spanish.](#)

THE PROJECT IN A FEW WORDS

ICCEE will make it easier for the food and beverage **cold chain sector** to accelerate the **implementation of energy efficiency measures** across the entire supply chain, also arising from energy audits, with a strong engagement of companies and other stakeholders, therefore:

- Turning energy efficiency opportunities into actual investments
- Creating a clear understanding of the economic and environmental impacts of improving energy efficiency.

Why focus on the cold chains of the sector?



Companies integrated in the cold chain usually have lack of time and knowledge to incorporate the viable measures existing in the market and could benefit from external expertise.

How? The project will provide energy efficiency measures based on the experts' experience and the outcomes of **support tools** jointly with **capacity building programmes** (including direct trainings and an e-module accessible to all interested in the topic) supporting the companies decisions for energy saving investments. In addition, **existing financing schemes** for SMEs will be assessed and the optimal ones recommended to support the implementation of energy efficiency measures.

ICCEE is funded by the Horizon 2020 programme, launched in September 2019 and lasting three years. It is coordinated by the University of Brescia with 12 partners, from 9 countries, who will create impact across the entire EU.



[Take part!](#)

THE PROJECT IN A FEW FIGURES

THE SECTOR



The food and beverage sector is at the heart of EU's economy representing around **12.8% of the value added in manufacturing** and **over 294,000 companies employing nearly 5 million people.**



In 2016, the sector contributed to over **€1,109 billion in turnover** and in 2015 over **€230 billion in value added.**



The **embedded energy** in all food consumed accounts for more than **25% of the EU-27 total final energy consumption.**



SMEs accounted for 48.1% and 62.3% of the sector's total turnover and employment, respectively.

ICCEE TARGETS

- 400 companies reached through 20 national workshops
- 32 companies trained on how to use our tool in 4 EU workshops
- Over 60 more companies reached with our e-learning courses

THE PROJECT IN STEPS

ICCEE consists of a series of interrelated activities, which serve to develop a tailor-made tool and training courses for the increase of supply chain energy efficiency in the food and beverage sector.

Model design and monitoring > Tool development and validation > Capacity building > Sharing and exploiting results.



[See more](#)

FOCUS ON.... THE ICCEE TOOL

The tool will help users estimate the environmental and energy efficiency performances of a specific supply chain and its actors as well as to deliver the environmental eco-profiles of the logistics activities, within the selected supply chain system. The ICCEE tool can also be used for energy flows, benchmarking and life cycle impacts. Users will benefit from:

- adding own data and sector characteristics and benchmark results to improve their energy demand,
- find out and evaluate the cost-benefit of the energy efficiency measures across the supply chain through the holistic approach,
- prioritize energy efficiency measures uptake to improve the whole supply chain economic and energy performance and not only individual companies,
- assess non-energy benefits (enhanced competitiveness, reduced maintenance, improved working environment and environmental performance)
- perform what-if analyses to reduce decisions' uncertainties and risks,
- know existing funding opportunities to implement energy efficiency measures.

[More info](#)

TAKE PART IN ICCEE

Companies interested in energy efficiency in cold chains can participate in ICCEE to be assessed by experts and learn their potential to improve the cold supply chain energy efficiency and non-energy benefits. They can compare themselves with others and understand the opportunities energy efficiency measures bring for their companies.

An industry informative network will be developed to enable learning across all EU Member States and enable exchanges.

You can:

- Participate in case studies.
- Receive the tool and become a pioneer tester.
- Join our cold chain training sessions, opened both to energy experts and non-experts, lasting about a day, in many countries. The first trainings come in September.
- Stay informed about reports, documents, events, best practices and more.

Check our website to check dates, contact the partner from your country or ask for E-Learning (available for all EU countries).

[Join us!](#)

SURVEY

While typically the industry views energy efficiency as a means to reduce costs, non-energy related benefits (NEBs) such as enhanced competitiveness, reduced maintenance, improved working environment, and improved environmental performance, are getting attention. They

can exceed the monetary value of energy savings influencing the return on investment and contributing to cost reductions, value generation and risk mitigation.

Help ICCEE **assess non-energy benefits and behavioural aspects in the cold chain**: this survey to assess perceived risks, barriers and drivers at the different organizational and activity levels of the cold chain will help us gather a broad set of insights and verify our working hypotheses.

[Take the survey](#)

MEET US

- [6th IIR conference on the cold chain and sustainability](#) (postponed, date to be confirmed)
- [eceee Industrial Summer Study](#), September 14-16
- [Peloponnisos Expo 2020](#), November 13-17, Peloponnese, Greece
- [LOGI.C CONFERENCES - "Supply Chain & Logistics - Cargo Truck & Van Expo"](#) in November 2021 (Athens, Greece)



Past event: ICCEE at the WSED

ICCEE was presented at the World Sustainable Energy Days in Austria by Escan to 200 people. It was good to hear from many industrial stakeholders about their progress in sustainability. Some conclusions and the presentation from Francisco Puente are available.

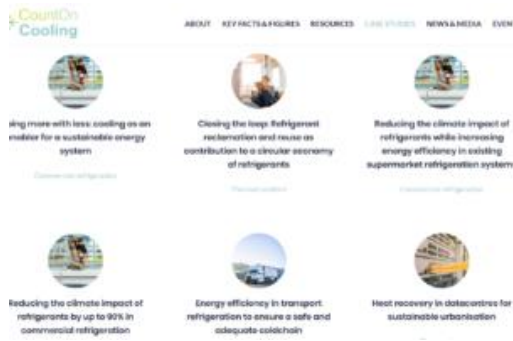
[Read more](#)



Project on the spotlight

EU-MERCI provided companies and policy makers best practices and tools to increase the competitiveness of the EU industry by improving the efficient use of energy. The website is a wealth of resources with a library, database, factsheets, reports as well as sectoral and country analyses.

[Project website](#)



Sector best practices

The campaign Count on Cooling shares best practices from sectors using cooling: Commercial Refrigeration, Industrial Refrigeration, Transport Refrigeration, Thermal Comfort and Data Centres.

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