



The banner features the ICCEE logo in large, colorful letters (I: red, C: yellow, C: yellow, E: green, E: blue) at the top. To the right is a circular icon with a snowflake and various symbols (leaf, gear, person, truck). A yellow diagonal banner in the top right corner says 'NEW'. Below the logo, the text 'Now available on www.iccee.eu!' is displayed. Three circular callouts are arranged horizontally: an orange one on the left with a laptop icon, a green one in the middle with a toolbox icon, and a blue one on the right with a lightbulb icon. At the bottom, there is a paragraph of text and a small European Union flag icon.

ICCEE 

NEW

Now available on www.iccee.eu!

ACCESS THE E-LEARNING PLATFORM
- COURSES ON ENERGY EFFICIENCY IN FOOD & BEVERAGE COLD SUPPLY CHAINS FOR EXPERTS & NON-EXPERTS

DOWNLOAD THE ICCEE TOOLBOX FOR LIFE CYCLE ANALYSES, BENCHMARKING & MORE, WITH INTRODUCTORY VIDEOS

JOIN OUR PLATFORM FOR STAKEHOLDER EXCHANGE, BRIDGING THE GAP BETWEEN DEMAND AND SUPPLY

Through expert analytical tools and dedicated stakeholder capacity building programmes, ICCEE accelerates turning energy efficiency opportunities into actual investments, with a special focus on supply chains of the food and beverage sector, involving European small and medium sized enterprises (SMEs).

 The ICCEE project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement no. 847040.

Newsletter #4 - September 2021

Dear friends,

If you subscribed recently to our newsletter, you did well – this issue is full of news, with exciting activities organised in the coming months, tools available on our website, new platforms launched and many events coming up, hopefully where we will get the chance to meet again in person.

To foster the relationship between the various market stakeholders, our LinkedIn account was launched, representing a platform for discussion among stakeholders. <https://www.linkedin.com/in/iccee-eu-project-455b65210/>

We invite you to join two key project events: our **mid-term event**, organised with 6 other H2020 projects working around the topics of energy efficiency in SMEs, during the EU Sustainable Energy Days, on October 19 – see more information in this newsletter.

Our **final event** will be organised during the World Sustainable Energy Days in Wels, Austria, beginning of March. This event will be a great opportunity to meet

many energy stakeholders at the policy conference and energy fair. A draft agenda and more information can also be found here below.

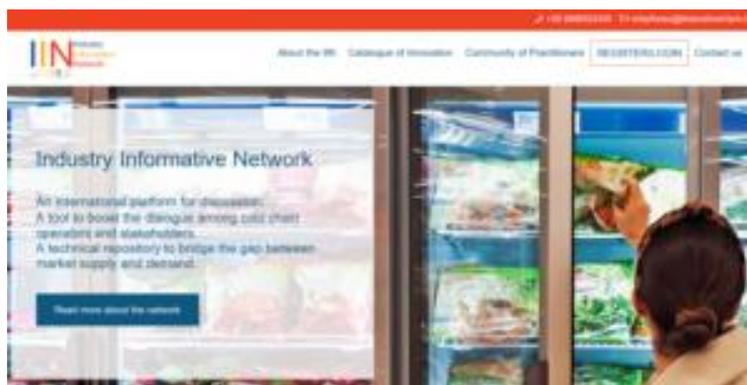
Enjoy reading!

Simone Zanoni, University of Brescia, Coordinator of ICCEE

TOOLS AND PLATFORMS

Industry Informative Network

The IIN was created to increase stakeholder exchange, fostering the link between various market stakeholders and bridging the gap between demand and supply. It comprises three sections: a community of practitioners for discussion, a library and a technical repository to bridge the gap between market supply and demand – the catalogue of innovations. The platform will be populated over time with manuals, brochures, technical notebooks and other available information on legislative and technical developments for the cold supply chains in the food and beverage sector and invites stakeholders to contribute. By using the information available, users can discover how energy efficient their operations are, find out how to reduce energy consumption, and gain knowledge and awareness through training and education packages. <https://iin-iccee.eu>.



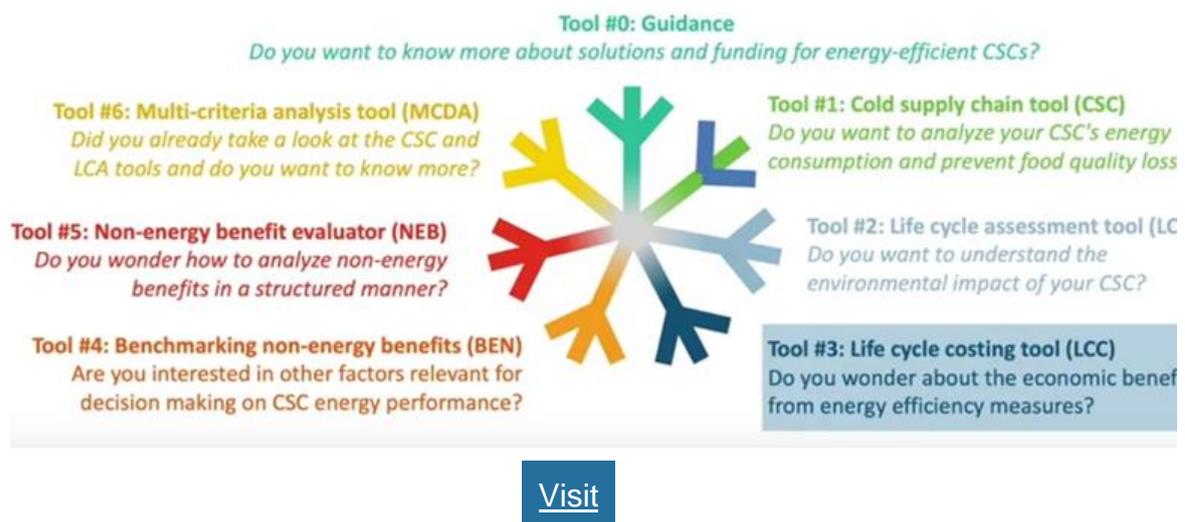
ICCEE tools are online!

The [6 ICCEE tools](#) allow users to add their own data and sector characteristics, to carry out benchmarking and what-if analyses to reduce uncertainties and risks, evaluate the cost-benefits of energy efficiency measures across the supply chain through an holistic approach, prioritize measures to improve the economic and energy performance of the whole supply chain, assess non-energy benefits, such as enhanced competitiveness, reduced maintenance, improved working environment, and finally be informed about existing funding opportunities for

energy efficiency measures. [Tutorial videos](#) are provided to navigate the users through the tools and allow them to upgrade their skills.

[The 6 tools, available on the project website, are:](#)

- The **cold supply chain tool (CSC)**, for the analysis of the chain energy consumption and prevention of food quality losses
- The **life cycle assessment tool (LCA)**, to understand the environmental impact of the cold supply chain
- The **life cycle costing tool (LCC)**, a holistic approach for energy efficiency measures in cold chains from the economic perspective
- The tool “**benchmarking non-energy benefits**” focuses on the other factors relevant to decision making on the cold supply chain energy performance (allowing to compare with peers)
- The **non-energy benefit evaluator (NEB)** helps analyze and assess the non-energy benefits of specific energy efficiency measures
- Finally, the **multi-criteria analysis tool** goes a step further than the CSC and LCA tools, a quantitative, yet simple, ranking method for the evaluation of scenarios within cold supply chains.



REPORTS, PAPERS and ARTICLES

Report on performance database

In the report, primary data obtained from the surveys filled by several companies in the cold chains of the food and beverage sector, and secondary data are analyzed to define a benchmarking database on both input data and key performance index (KPIs). Furthermore, the implementation rate of different energy efficiency measures is also investigated. The report provides insights on

the F&B industry based on the data, followed with analyses of the storage, transportation activities and of the implementation rate of energy efficiency measures. The report concludes with policy recommendations for EU and national levels. Primary data have been directly collected through interviews from suppliers, retailers, producers and must be stored in specific archives to ensure long-term accessibility. While secondary data are obtained from already existing databases and studies, e.g. from other EU projects and/or energy audits conducted by partners and/or scientific papers).

<https://iccee.eu/2021/09/22/report-on-performance-database/>

Report with main findings and conclusions regarding training activities and courses

One of the main activities of ICCEE was to create a capacity building program and a community dedicated to support the change in the energy culture of the organizations improving their energy performance through various activities. The capacity building program consists of direct trainings, workshops and seminars with external experts as well as the development of an e-learning concept. Through all these activities, ICCEE allowed to increase stakeholders' awareness and knowledge on the energy and environmental issues leading to changes in habits and behaviour. This document describes the activities which enhanced corporate policy towards energy efficiency, energy culture (motivations, behaviour change, mitigation of perceived risks and barriers) and sustainable supply-chain initiatives. At the end of each training, a final test was submitted to the participants to evaluate the skills acquired during the training session. Participants who compiled the final test received a certificate of attendance via email, together with documents used by speakers during the webinar.

<https://iccee.eu/2021/09/22/report-with-main-findings-and-conclusions-regarding-training-activities-and-courses/>

EVENTS

OCTOBER 19- Towards a decarbonized Europe: Increasing energy efficiency in SMEs for a clean energy transition

[The project mid-term event, October 19 at 9am CET \(until 10.30\)](#), builds on the results of 7 EU-funded projects: DEESME, E2DRIVER, INNOVEAS, SMEmPOWER, SPEEDIER, ICCEE and Triple-A, and is part of the European Sustainable Energy Week extended programme. It will provide guidelines and good practices to implement energy efficiency solutions, focusing on the challenges, opportunities, new forms of actions and regulations to enhance the role of SMEs in energy transition. Industry stakeholders, policy makers, financial institutions, ESCOs, academia/research, energy professionals and other attendees will therefore hear about available services, tools and policies that can unlock considerable amounts of energy/cost savings and assist in achieving emission targets.

DATES ANNOUNCED SOON - EU workshops

8 interactive and digital EU workshops are now in the pipeline until end of 2021, to introduce stakeholders some of the tools developed to further support the industry on their path to sustainability and increased energy efficiency and allow them to put them to use. Each workshop will define in depth the three main energy efficiency measures resulting from the tools' application, as well as the funding opportunities to finance them. They will also allow to focus on one subsector: beverage, dairy products, fish, frozen food, fruits and vegetables, meat, and HORECA.

MARCH 2-4, 2022 - Increasing cold chain energy efficiency in the European food and beverage sector

[The project final conference will be organised during the World Sustainable Energy Days, in Wels, Austria, beginning of March 2022.](#)

The aim of ICCEE is to bridge the inefficiencies in the cold supply chain stages, increasing the energy efficiency and the energy culture of food and beverage manufacturing industries, warehouses, cold storage and logistic operators. It has also enhanced the awareness towards energy efficiency and sustainable supply chain initiatives at every organisational level, from top management to operational staff. ICCEE methodology - led by a group of industry, energy and IT experts -has developed a series of interrelated activities, which include a tailor-made tool for cold supply chains, and training courses to increase the supply chain energy efficiency in the food and beverage sector and implement real energy efficiency measures and investments. Discover the methodology, tools, capacity building and practical experiences in food and beverage cold supply chains gained by attending the ICCEE final event and obtain the free toolbox for replication in your projects.



MEET US

- ATEE will speak at the [SIFA Fair](#), November 1-18 in Paris, France

PAST EVENTS

Back in presence- ICCEE short edition of the training session on energy efficiency of the cold chain at CIBUS 2021

The training sessions on energy efficiency of the cold chain in the food sector continue. A short edition of the course - organized by Federalimentare in collaboration with FIRE and the University of Brescia - was held last September 2nd in Parma during CIBUS 2021.

The initiative "**Energy efficiency in the cold chain: best practices and opportunities for the food and beverage industry**", which took place in hybrid mode (both in presence at the pavilions of Fiere di Parma and in streaming), was a great success: the best practices to be adopted to improve energy efficiency in the logistics-production chain of cold in the food industry were shared, as well as opportunities for energy savings; in addition, ISO 50001, ENPIs, IMPVP, Life Cycle Cost, Life Cycle Analysis, non-energy benefits, Big Data and Data Science in the cold chain were discussed. For further information on the topics covered: sabbatini@federalimentare.it.

"L'efficienza energetica nella catena del freddo benefici e prospettive per l'industria"

This webinar was held in Italian during the Green week, 9 June 2021. The [recording is now available](#).

ICCEE: Improving Cold Chain Energy Efficiency

Christine Weiker, ECSLA and Simon Hirzel, Fraunhofer ISI presented ICCEE at the eurammon Symposium, June 17, 2021. [The presentation is available](#).



The ICCEE project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement no. 847040.

ICCEE

You are receiving this email after subscribing on our website or as a result of your link to an ICCEE / partner event / activity. Copyright © 2020 ICCEE All rights reserved.

[Modify your subscription](#) | [View online](#)