ENOUGH
EUROPEAN FOOD CHAIN SUPPLY TO REDUCE GHG EMISSIONS BY 2050

Newsletter 5
30/03/2024

ENOUGH at ICCC 2024 in June

A big event is waiting for ENOUGH in less than three months! In June 2024, from 9th to 11th, several ENOUGH partners will participate to the 8th IIR Conference on Sustainability and the Cold Chain. First held in 2010 in Cambridge (United Kingdom), this IIR conference series has become a recognized event for presenting the most cutting-edge technologies on cold chains.

The 8th Conference, organised by the Japan Society of Refrigerating and Air Conditioning Engineers (JSRAE), is scheduled to take place at Waseda University in Tokyo (Japan). This conference will provide a unique opportunity for experts to exchange on important topics such as decarbonizing the grid, sustainable food and cold chains, reducing energy use, and utilizing heat recovery, among others, as part of the solution to challenges facing the industry. We are glad to announce that ENOUGH outcomes will be presented in eight papers!

To know more about the conference, check the IIR website.

Progress in the technology roadmaps

The ENOUGH project is creating technology roadmaps and operational practises predicting the emission savings achievable. Roadmaps are being created for several steps of the food chain using the same methodology; 1) Reviewing the options (technical and non-technical) and 2) case study examples to identify where technology have the most benefit. You can read more about the structure of the roadmaps in Deliverable 2.1, available at our website.

The first roadmap produced is within the retail sector. This is an extensive document looking at how the food retail sector can decarbonise and rapidly rech net zero. 95 different technologies/strategies that retail stores could apply were reviewed and used to identify potential carbon savings (high/medium/low) and payback time. Modelling was used to assess impact of scenarios in six different countries. The modelling predicted overall energy savings ranging from 55-94% and that carbon emissions could be reduced by 61-97%. In depth reviews, outputs and recommendations for the retail sector are available in Deliverable D2.2.

Discover some of ENOUGH's new demonstrators!

CO_2 Pressure Exchanger for Retail – XTE PX integration into EPTA

Hungary, supermarket or retail

EPTA expects an impact on the electrical energy consumption associated to an increase in system COP.

FLW Norway

Norway, FLW logging tool

Increasing energy efficiency and improving overall sustainability of food systems by reducing the food loss through the chain, reducing raw material requirement.

The others were described in Newsletters 2 and 3

CO_2 -50°C plate freezer

Norway, fish and meat freezing

GHG emissions reduction; energy consumption reduction; increase of shelf life; food loss reduction; food quality improvement.

Holistic supply chain management and control

Virtual, distributed

Elicitation and extraction of trust and performance from the stakeholders of a food supply chain.

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Project period: 2021 – 2025 / www.enough-emissions.eu

This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement N° 101036588