

Boosting Energy Transition of The Dairy value chain

Energy efficiency in heating and cooling, across the whole dairy value chain

BETTED is an EU-funded project that helps dairy companies and their suppliers reduce the energy used to **heat and cool their products**, from farms and cooperatives to processors and cold-chain operators. It pairs hands-on training with a free toolbox that turns energy efficiency measures into concrete business numbers: payback, cost, and carbon and water savings.

FUNDING	COORDINATOR	CONSORTIUM	TIMELINE
EU LIFE Programme	University of Brescia, Italy	10 partners · EU-wide	2024 to 2027

THE TRAINING

What it covers. A sixteen-module programme on energy efficiency across the dairy cold chain, spanning refrigeration, heat pumps, solar PV, biogas, energy management and life-cycle analysis. Delivered through in-company one-day workshops, complemented by e-learning content, with certificates awarded upon completion. **Why take part.** Reducing energy consumption directly lowers operating costs and energy bills, and companies quantify the savings with the BETTED tools applied to their own data, at no cost. **Who can join.** Dairy-sector companies headquartered in Europe: producers, processors, cooperatives and cold-chain operators. **Data requested.** Operational data such as energy consumption, production volumes and cooling and heating system details. **Data handling.** Operational data is used solely for the company's own analysis, handled confidentially, reported only in aggregate at the project level, and never shared with other consortium members or third parties. **Length.** Each one-day workshop runs around eight hours and ends with a certificate for attendees.

WHERE BETTED FITS

Most dairy decarbonisation effort goes into farm-level emissions such as methane, feed and manure. BETTED works alongside that, on the energy used to heat and cool dairy products across the chain: milk cooling, refrigerated storage and transport, and processing such as drying. It is the operational-energy layer that complements farm-level climate programmes, and it applies across products from milk and cheese to yogurt, butter and ice cream.

WHAT BETTED DELIVERS

Training & capacity building. A sixteen-module programme delivered through in-company one-day workshops, complemented by e-learning, with certificates on completion.

A practical toolbox. Seven calculators that turn efficiency measures into business numbers, from payback and life-cycle cost to carbon, energy and water savings.

Knowledge network. The Industry Informative Network (IIN), a matchmaking hub connecting companies, technology providers and experts around energy-efficient solutions.

HOW IT HELPS YOUR VALUE CHAIN

As an EU-funded project, BETTED delivers its training **free of charge to dairy-sector companies headquartered in Europe**. It also reaches the wider value chain: producers, processors, logistics operators, technology providers and associations.

THE TOOLBOX: SEVEN CALCULATORS

- Energy in storage & transport (**DSC**)
- Carbon, energy & water footprint (**LCA**)
- Payback & life-cycle cost (**LCC**)
- Heat-pump savings vs gas (**HPD**)
- Biogas feasibility (**BDC**)
- Vendor ESG readiness (**DVS**)
- Non-energy benefits (**NEB**)

THE ROLE OF THE IIR

The International Institute of Refrigeration (IIR) is a leading intergovernmental authority on refrigeration and the cold chain. As a consortium member, it developed the BETTED training module on efficient cold supply chains and delivers the training to participating dairy companies.

Get started. Try the free e-learning at escansa.org, explore the toolbox, or contact us to bring BETTED training to your value chain.