

EERA Joint Programme Energy Efficiency in Industrial Processes

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Number participants and associates:	12 full participants, 13 associate participants, from 11 European countries, around 133 person years committed

Why a Joint Programme on Energy Efficiency in Industrial Processes?

Energy efficiency in industry is rising toward the top of EU and MS agendas for a number of compelling reasons that are essentially economic (inter alia, unstable energy prices and reliability of supply), environmental (need to reduce greenhouse gas emissions) and intergovernmental (being more and more target of recommendations for international action). Despite relevant efforts deployed both in terms of innovation technologies and legislative and regulatory frameworks in enabling it, the full potential for energy efficiency in the industrial sector still remains significant: many opportunities for energy savings and thus reduced environmental impact continue to exist.

Vision and objectives

The general objectives of the Joint Programme EEIP consist in:

- 1) assessing the existing industrial processes within the sectors selected with the intention to contribute to a implementation of more efficient technologies and solutions (partially or completely, depending on the case);
- 2) proposing advanced concepts and designs to reduce energy consumption, operation and maintenance costs, to improve the environmental footprint, the characteristics and the amount of the products being equal or improved;
- 3) verifying the viability and the affordability of proposed solutions through concrete demonstration projects.

Within these general objectives close dialogue and collaboration with industrial associations, industrial companies and technology producers will be important.

Visit the webpage:

www.eera-set.eu

Joint Programme on Energy Efficiency in Industrial Processes Sub-programmes

Sub Programme 1 Energy Intensive Industries *coordinated by Ignacio Martin, CIRCE (ES)*

Its main objective is to support the European energy intensive industry to meet the European reduction target of 40% for green- house gases and at least 27% increase in energy efficiency by 2030. The contribution to a reduction in specific energy consumption and in greenhouse gas emissions will focus on a number of targeted sectors (like metal production, pulp and paper, glass production).

Sub Programme 2 Manufacturing Industry *coordinated by Christian Blobner, Fraunhofer Institute for Factory Operation and Automation (DE)*

Its main objective is to search for approaches, methodologies and solutions to increase the energy efficiency in manufacturing industries - with a focus on SMEs - on a single company basis as well as embedded in relevant networks, e.g. through industrial symbiosis.

Sub Programme 3 Agro-food Industrial Processes *coordinated by Arianna Latini, ENEA (IT)*

It aims at supporting the European agro-food industry, by addressing the entire agro-food chain, from the primary production up to the distribution of the final products, and its main objective is to identify innovative solutions for the different components of the integrated agro-food system, in order to enable farms and food industries to reduce emissions, saving energy and improving their competitiveness.