

Policy and governance actions to reduce CO₂ emissions by energy valorization of process effluents in Energy Intensive Industries

Project background

A survey of Italian businesses operating energy-intensive systems noted that many industrial processes are still wasting heat. The energy content of this heat could be recovered through a small number of high power applications. Such approaches offer opportunities to contribute knowledge towards finding BAT and BREF for industries with high CO₂ emission levels.

Project objectives

The main objective of the project is to establish a Local Pilot Observatory that will carry out work to help improve energy conservation in Energy Intensive Industries (EII) in order to reduce CO₂ emissions. The observatory's work will include mapping energy conservation opportunities in EII, and also developing options for new policies or governance actions capable of promoting energy conservation and reducing CO₂ emissions in these industries.

Expected results:

- Start up of a local pilot observatory for CO₂ reduction in EIIs through heat recovery applications;
- Quantification of the potential of EIIs to contribute towards achieving greenhouse gas (GHG) reduction objectives up to 2020 using heat recovery;
- Reduced GHG emissions; and
- Energy audits to be conducted in selected EIIs.

LIFE08 ENV/IT/000422
H-REII



Beneficiary:

Type of beneficiary

Small and medium sized enterprise

Name of beneficiary

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Name of contact person

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Duration of project:

36 months (01/01/2010 – 31/12/2012)

Total budget in euro:

882,411.20

EC contribution in euro with %:

436,205.60 (49.43%)

Generic Theme:

Reduction of emission of greenhouse gases