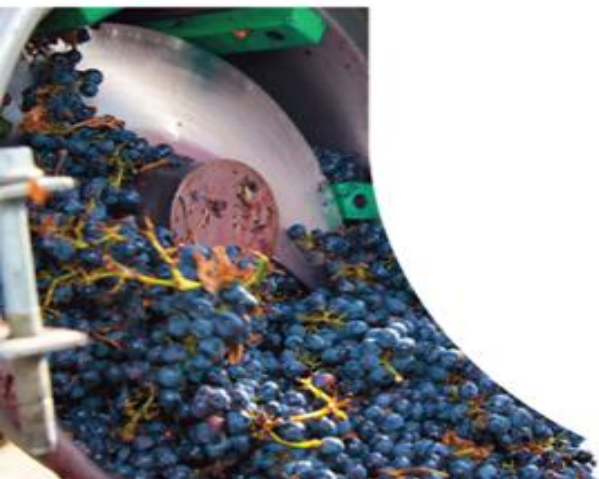




tesla
 Transferring
 Energy Save
 Laid on Agroindustry

*European Agro-food Cooperatives promote
 Energy Efficiency with Universities,
 Technological and Research Centers*



*Project partners
 for Agri-Food:*



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Tesla FINAL MEETING - Madrid 26 February 2016

**Carlo Alberto Campiotti, Rossella Colletta, Germina Giagnacovo,
 Arianna Latini, Corinna Viola, Matteo Scoccianti**

The agrofood system, in its components of agriculture and food industry, is one of the world's largest user of fossil energy, with about **30% of total global primary energy consumption and 22% of total annual emissions** (FAO, 2011a).

In Europe, the entire agrofood industry (primary production and food industry) accounts for 17 % of the **EU's gross energy consumption in 2013 (Eurostat : about 1666.3 MTOE in EU-28)**, equivalent to about 26 % of the **EU's final energy consumption (Eurostat : about 1103.8 MTOE in EU-28)**.

The agriculture component is responsible of around 14% of total global GHG emissions (**Eurostat: UE produced 3.4 billion tons of CO₂, il 10% of the world total CO₂ emissions**).

Agrofood industry in EU-28 = 287 MTOE as final energy use



ENEA Research Centres



PEOPLE: ≈ 2700 Researchers, Technical and Administrative Staff

Nine Offices and Research Centres and five Research Laboratories – located all over Italy – are endowed with a wide range of expertise, advanced facilities.

ENEA also operates through:

a network of **territorial offices** providing information and consultancy services for local public administrations and enterprises

an **ENEA-EU Liaison Office in Brussels** with the purpose of promoting and strengthening the image and participation of ENEA within the EU framework.

Directive 2012/27/EU establishes a common framework of measures for the promotion of energy efficiency (EE) in order to ensure the achievement of the Union's EE target of 20 % by 2020 and to pave the way for further EE improvements beyond that date.

Italy has transposed the **Energy Efficiency Directive** (2012/27/EU) into national law by issuing the Lgs. Decree ***n° 102 of 4 July 2014*** (G.U. Serie Generale n° 165 of 18/07/2014)

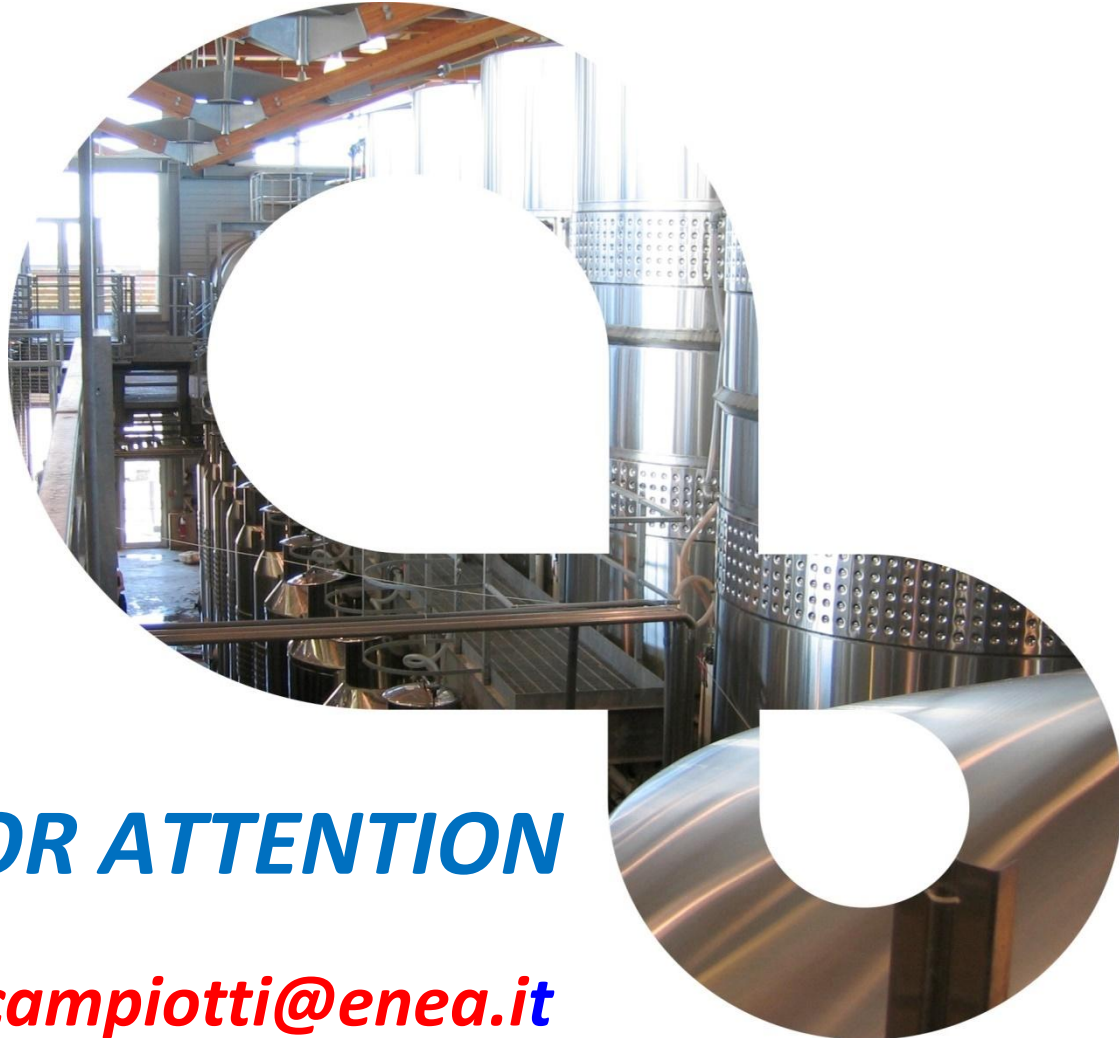
Lgs. Decree 102/2014 entrusts ENEA with the following tasks:

- Art. 5. ENEA shall design and manage a database of enterprises obliged to undergo energy audit.
- Art 6. ENEA shall carry out controls to ensure compliance with the requirements of the diagnosis article, through an annual selection of a statistically significant percentage of the population of enterprises subject to the obligation, at least 3%.
- ENEA shall carry out controls over 100% of the diagnoses carried out by internal auditors. The control activities will also include in "situ" inspections.

WHITE CERTIFICATES.

***Energy Efficiency Certificates* (or **White certificates**) certifying a reduction in primary energy consumption equal to one tonne of oil equivalent (TOE).**

EEDtrasposition(Legislative Decree 102/201) and the 2014 **National **Energy Efficiency Action Plan (NEEAP 2014)** have the aim of achieving the 2020 objective of 20 Mtoe of primary energy, equivalent to 15.5 Mtoe of final energy.**



THANKS FOR ATTENTION

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