

## Workshop

# Which future for the SRF market?

*Regione Lombardia - Pirelli  
Tower – Room “Pirelli” – Via  
Fabio Filzi 22, Milano - 1st floor*

*November 20, 2013*

Solid Recovered Fuels (SRF) are solid fuel prepared from non-hazardous waste, meeting the classification and specification requirements EN15359.

Municipal, industrial and commercial wastes, after the separated collection, contain a substantial amount of biogenic fraction. From these non-hazardous wastes SRF can be prepared through mechanical-biological treatment (MBT plants).

The use of SRF is not intended to discourage recycling of plastic, paper and wood, because SRF production is a complementary option after the recovery and recycling of material.

SRF may substitute primary fossil fuels like coal, pet-coke or natural gas used in co-incineration facilities: cement kilns, coal fired power plants, lime kilns, industrial boilers and combined heat and power plants (CHP), contributing to reduce the import into the EU of such fossil fuels.

As part of SRF is biogenic, SRF can also contribute to meet the European target for renewable energy. Greenhouse gas emission reduction in case of co-incineration in a power plant can amount to 1t CO<sub>2</sub>/t SRF when substituting SRF to lignite or hard coal. The potential reduction for a cement kiln is about 1t CO<sub>2</sub>/t SRF and for an optimized WtE plant 0,45t CO<sub>2</sub>/t SRF.

The aim of this workshop is to give an overview of the present and future potential and market of SRF in Europe, after the introduction of the classification and specification requirements of EN15359.

*Organized by*

**IEA Bioenergy**

**Task 36 - Integrating energy recovery into solid waste management**



**Regione Lombardia**

*Under the patronage of*



## Program

9.00 – 9.30: Registration  
9.30 – 9.40: Welcome address

### Session 1 – Regulation on SRF (Chair: Giovanni Riva, CTI)

9.40 – 10.10 Classification and Specification of SRF according to EN 15359 and overview of the European Standards developed by CEN/TC 343 “Solid recovered Fuels” (Mattia Merlini, CTI)

10.10 – 10.30 SRF regulation and end of waste criteria in Italy (David Roettgen, Law Firm Ambientalex)

10.30 – 10.50 The application of the EN 15359: the point of view of a Regional Authority (Francesco Loro, ARPA Veneto)

10.50 – 11.10 Coffee Break

11.10 – 11.30 Results of the RECOMBIO Project (Thomas Glorius, REMONDIS)

## Program

### Session 2 - SRF production and use (Chair: Luca Zucchelli, Regione Lombardia)

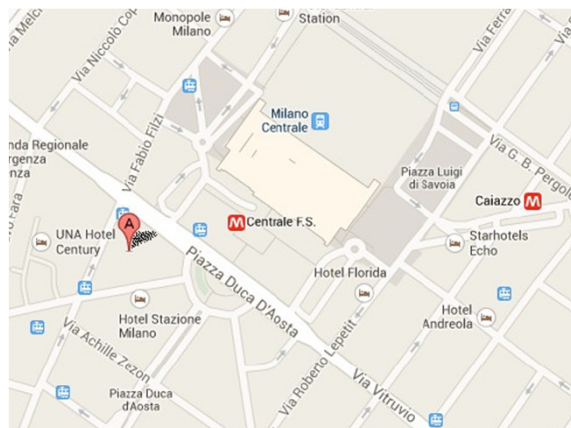
11.30 – 11.50 Production and use of SRF in Italy (Sergio Scotti, FISE Assoambiente)

11.50 – 12.05 Experience in production and use of SRF (Valentina Cipriano, Federambiente)

12.05 – 12.30 The use of SRF in cement kiln (Daniele Gizzi, AITEC)

12.30 – 13.00 Discussion

13.00 – 14.00 Lunch Break



The workshop place is very closed to Milano Centrale FS Station served by metro line 2 and 3, bus from Linate, Malpensa and Orio al Serio Airports and trains from Malpensa Airport

Note that all lectures are in English only. No translation service will be available

The participation to the workshop is free, but you are asked to registrate by mailing to Francesca de Lardere! Email: [francesca.delardere@rse-web.it](mailto:francesca.delardere@rse-web.it) Tel: 02 3992 4606 – Fax: 02 3992 4608

Due to the room we can accept a maximum of 100 people. The selection criteria is the date of registration

## Program

### Session 2 (continued) - SRF production and use (Chair: Giovanni Ciceri, RSE)

14.00 – 14.20 Monitoring of corrosion due to SRF co-combustion in a coal fired power plant (Vincenzo Fantini, RSE)

14.20 – 14.40 Production of SRF for co-combustion in coal fired Power Plants (Massimo Rossi, Ecoprogetto Venezia Srl)

14.40 – 15.00 ENEL experience on CDR co-combustion in a coal fired Power Plant (Silvia Gasperetti, Enel Engineering & Research)

15.00 – 15.20 ISWA Activity in the field of SRF (Jørgen Haukohl, Ramboll)

15.20 – 15.40 Discussion and Conclusion