

EU GREEN WEEK 2021

Burning wood to heat our homes: challenges & solutions to limit indoor and outdoor air pollution

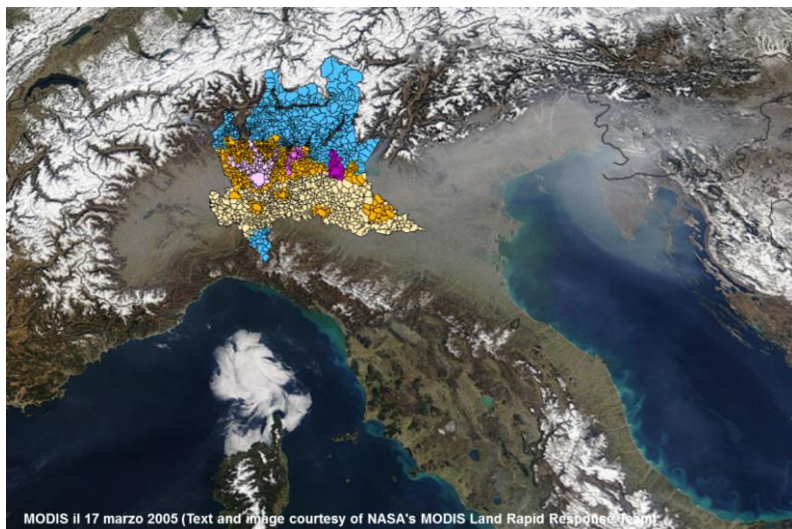
Point of view of a local environmental protection agency

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ZERO #EUGreenWeek
POLLUTION
for healthier people and planet

What is the problem for us

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**Lombardia
Region**

• Inhabitants: 10 milioni

City of Milan

• Inhabitants: 1,3 milion

Despite a progressive reduction of PM10 concentrations, in Lombardia PM10 exceeds the daily limit more than 60-80 d/y; B(a)P target is respected in the downtowns but not in the valleys and in other areas where the use of wood for domestic heating is widespread.

Wood burning for domestic heating is responsible of 46% PM10 annual primary emissions and of 67% of annual Benzo[a]pyrene emissions.

Main challenges faced by public authorities

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Cultural

- Wood burning is seen as “green” “environmental friendly”; so it is difficult to implement actions
- Often people are unfamiliar with management techniques and maintenance needs

Legal

- In Italy it is very difficult to control inside private houses => the best way of action is to work on the rules for the new stoves

Economical

- Wood costs half than by methane or light oil

Technical

- Methods to measure PM emissions must represent real emissions to avoid another dieselgate

Technological

- It is necessary to continue to develop better products step by step, compatible with air quality

Measures implemented

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Improvement of stoves and fireplaces

Identification of **classes of emission**

Step by step **stricter requirements for installation of new stoves**

Progressive **ban** of the use of the most emitting stoves

Incentives to substitute the worst stoves with better performing ones

Correct use

Communication campaigns

Rules on maintenance of stoves and chimneys

Rules on characteristics of wood and pellets (**quality, conservation**)

compulsory **registry of stoves**

Increasing public awareness

Communication campaigns (web based; public meetings)

Presence on mass media

Participation to scientific workshops

Ban of use during **high pollution episodes**

Good news: a change in the paradigm with producers

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Before
Wood doesn't pollute

Presidente Formigoni, qual è la cosa che scalda, non inquina, si rinnova e fa risparmiare?

La legna.

La Regione Lombardia ha individuato in un fatto naturale dell'aria, il polline e la nebbia, che a meno del 10% della massa dell'inquinante, per la sua azione inquinante, rappresenta una minaccia per la salute. Per questo, la Regione ha deciso di intervenire con una campagna di sensibilizzazione, che ha come obiettivo principale quello di far capire ai cittadini che la legna, se usata correttamente, non è un inquinante, ma una risorsa rinnovabile che produce calore e fa risparmiare. La campagna è stata realizzata in collaborazione con i Comuni e i Provieri, e ha come risultato una maggiore consapevolezza dei cittadini sull'uso corretto della legna.

PALAZZETTI

Corsera, 17-02-2006

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Quality certification of firewood and pellets



Quality certification of appliances wood and pellets LSHs



Quality certification of biomass plant Installers & Maintainers



In collaboration with



Good news: the Life PREPAIR project

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YOU'VE GOT AIR!

Together for the
Policies of air quality



Home Partners Actions Stakeholder Board Networking News Contacts

BIOMASS

- Specific education and qualification actions for freelances on the design, maintenance and control of domestic wood-burning plants
- Awareness-raising activities for citizens on good practices
- Optimization of the local supply chain of biomass

AIR QUALITY
AGRICULTURE

AIR QUALITY
TRANSPORT

***Burn well wood. Do
not burn your health***

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**Thank you for your
attention**