

***In-depth review and emergency response review of Italy
IEA, International Energy Agency***

Rome, 08 April 2022 - Think-Tanks Roundtable – 15:00 – 16:15

Decarbonising heating

Sergio Andreis, Executive Director



Kyoto Club is an Italian **action research non-profit organisation** founded in February 1999. Its current 154 members are business companies, associations and local municipalities and governments engaged for the greenhouse gas reduction targets set by the *Kyoto Protocol*, by the EU ones for 2030 and by the December 2015 *Paris Agreement*.

To reach its goals and to support bio, green and circular economy patterns, *Kyoto Club* promotes **awareness-raising initiatives, information and training** to foster **energy efficiency, renewable energy sources, waste reduction and recycling and sustainable agriculture and mobility**.

Our activities are based on the following key strategies:

- The **increase of the environmental dimension in business culture** and the **dissemination of best practices**.
- The promotion of **eco-efficiency policies** and of the use of **renewable energy sources**.
- The **reduction of greenhouse gases emissions** in Italian urban areas.
- The development of **new eco-compatible productions** and the **investments in technological innovation**.
- The **mainstreaming of environmental management systems**, eco and energy labeling.
- The **dialogue and networking among institutions and companies**.

Towards Italian, EU and UNFCCC public decision-makers, *Kyoto Club* puts forward **policy proposals** to make institutional decisions more and more environment and climate friendly.

In Italy we are members of



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At the international level *Kyoto Club* is part of



The non-profit **European Alliance to Save Energy (EU-ASE)**, based in Brussels and whose Members and Partners include some of Europe's leading multinational companies, a prominent cross-party group of European politicians and energy efficiency campaigners from across Europe. *EUASE's* vision is of a future where energy efficiency and end-users empowerment are central to the EU energy system and are fundamental drivers for job creation, sustainable growth, competitiveness, energy productivity, innovation, energy security and decarbonisation. *Kyoto Club* is represented in the *EUASE* Board of Managers.



The **European Council for an Energy Efficient Economy (ecee)**, with its Secretariat in Stockholm, is a membership-based non-profit association and Europe's largest and oldest NGO dedicated to energy efficiency. It generates and provides evidence-based knowledge and analysis of policies, facilitating co-operation and networking. *ecee* Members are found among private and public organisations, universities and research institutions, as well as among all those professionals from all sectors who share *ecee's* energy efficiency priority goals. *Kyoto Club* is represented in the *ecee* Board of Managers.

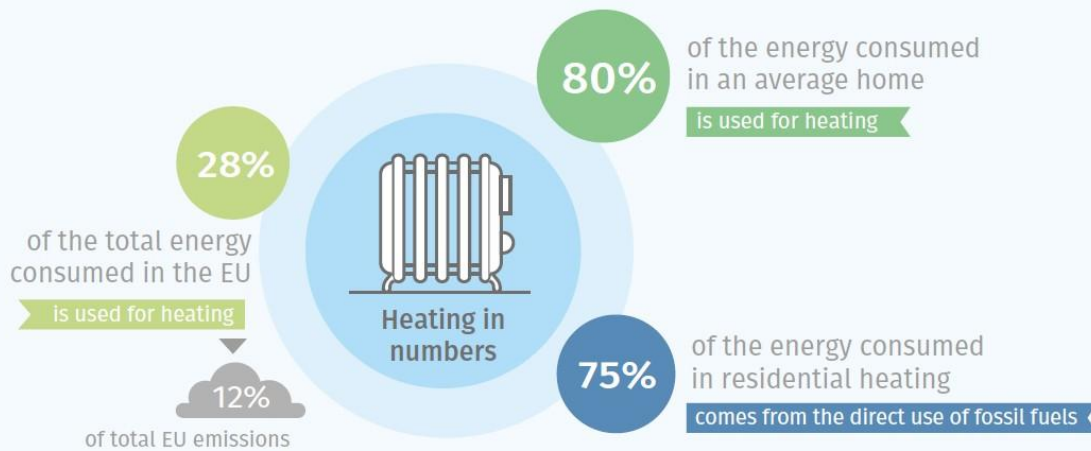


Transport & Environment's (T&E), Europe's leading clean transport campaign group, whose vision is a zero-emission mobility system that is affordable and has minimal impacts on our health, climate and environment. Since its creation 30 years ago, *T&E* has shaped some of Europe's most important environmental laws. It is a Brussels-based non-profit organisation and politically independent, combining the power of robust, science-based evidence and a deep understanding of transport with memorable communications and impactful advocacy.

Kyoto Club has observatory status with the



United Nations
Framework Convention on
Climate Change



Source: 'FIVE YEARS LEFT - How ecodesign and energy labelling can decarbonise heating', ECOS, 2020.

Residential heating is among the main causes of air pollution in our cities and it is responsible for over 19% of the Italian greenhouse gas emissions and of over 60% of particulates in urban areas.

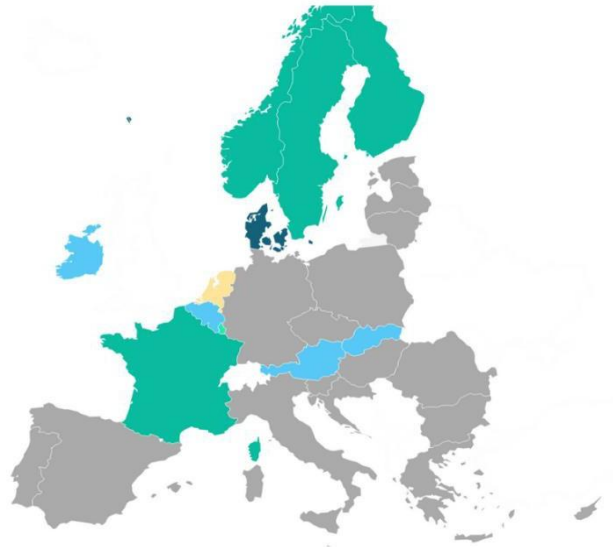
As Italy has failed to address persistently high levels of small particulate matter (PM10) which pose a major risk to public health, the European Commission requests Italy to take appropriate actions against PM10 in order to ensure good air quality and safeguard public health. The PM10 pollution in Italy is predominantly caused by emissions from energy and heating, transport, industry and agriculture.

More than 66 000 people die prematurely in Italy each year as a result of particulate matter pollution, making it the most affected of all Member States in terms of PM-related mortality, according to estimates by the European Environment Agency – European Commission 27 April 2017 press release

Over 19 million gas boilers are installed in Italy, over 7 millions of them prior to the 90/396/CE Directive.



End of fossil-fuel heating in the European Union. What types of boilers will be banned by 2024?



- Oil and gas boilers in ALL buildings
- Oil and gas boilers in NEW buildings only
- Oil boilers in ALL buildings
- Oil boilers in NEW buildings only
- Gas boilers in NEW buildings only
- No ban

Source: National Energy and Climate Plans (NECP)



End of fossil-fuel heating in the European Union. What types of boilers will be banned by 2025?



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Per la decarbonizzazione:
efficienza energetica e
riscaldamento negli
edifici in Italia



LEGAMBIENTE

Decarbonising heating

- To build a coalition of relevant stakeholders in Italy from the business community, local authorities, unions and others on the topic of residential heat de-carbonization, with a view to advocate for de-carbonization of residential heating.
- Priority topics for the coalition are:
 - a. Advocacy towards the Italian Government, Parliament and at the EU level, to amend the current 110% tax credit scheme, to revise the EU *Ecodesign* and energy labelling legislation on heating boilers, to ensure **that no subsidy schemes for fossil fuel heating are included in the Italian *Recovery and Resilience Plan* and renewable based heating is included.**
 - b. A **ban on fossil fuel heating for new buildings** as a logical, ambitious follow-up of the NZEB requirements in the EPBD Directive, also taking advantage of the work carried out by the BPIE, *Building Performance Institute Europe*.
 - d. Campaign **to exclude fossil fuel heating systems from the Italian 110% tax credit scheme.**
 - e. Include in the Italian legislation the IEA May 2021 *Net Zero by 2050* Flagship Report request that if the world is to achieve net-zero emissions by the middle of this century, **no new fossil fuel boilers should be sold from 2025.**



**For a new 100% renewables +
energy efficiency Italian *National
Energy Strategy***

Thank you very much for your attention !



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