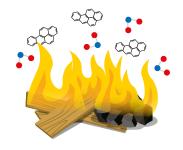


HOUSEHOLD HEATING AND AIR QUALITY

Saving energy and money

Almost 80% of the energy used in EU households is for heating and hot water. Cutting emissions from household heating improves the quality of the air we breathe, benefits our health and the environment and saves money.

Although emissions from residential heating are decreasing, they are still a major source of air pollution. More action is needed to encourage the switch to cleaner fuels and more efficient heating, which is good for the air, good for the climate, and good for our wallets.



Particulate matter, benzo[a]pyrene and volatile organic compounds from **burning wood and coal** harm human health.



premature deaths
in the EU every year are linked
to air pollution.

Over **400 000**



In Europe, **about 50%** of primary fine particulate matter emissions are related to heating.

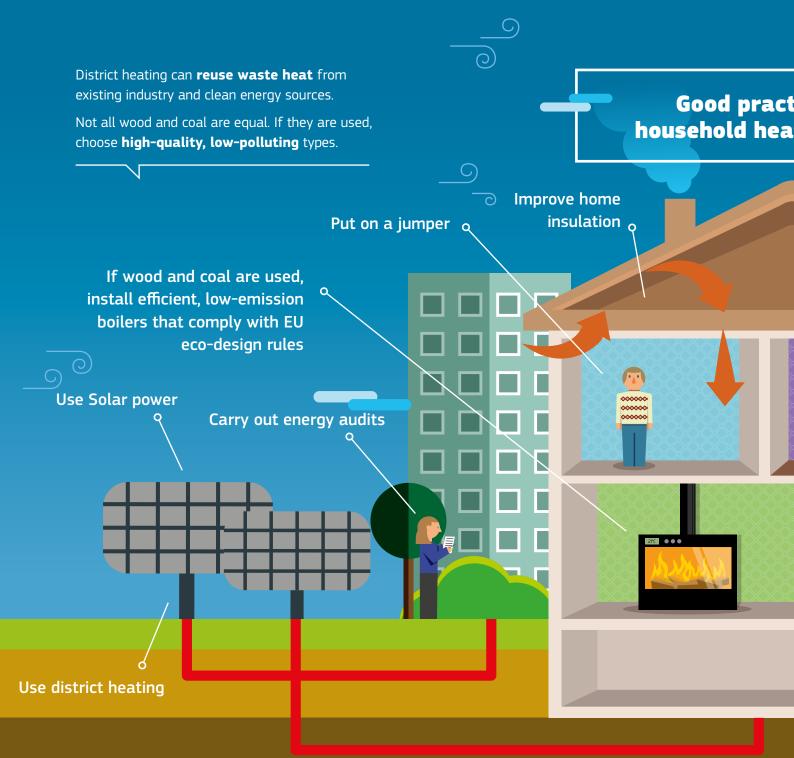


Efficient eco-design boilers can emit **over 80% less particulate matter**

than traditional ones.



More efficient heaters can save up to **135 million tonnes** of **CO₂** by 2030, helping to **fight climate change.**



LIFE support for cleaner residential heating

The EU LIFE programme funds environment and climate action, with a budget of **EUR 3.4 billion** for **2014-2020**. For example, these two LIFE-funded projects are improving air quality in European homes.

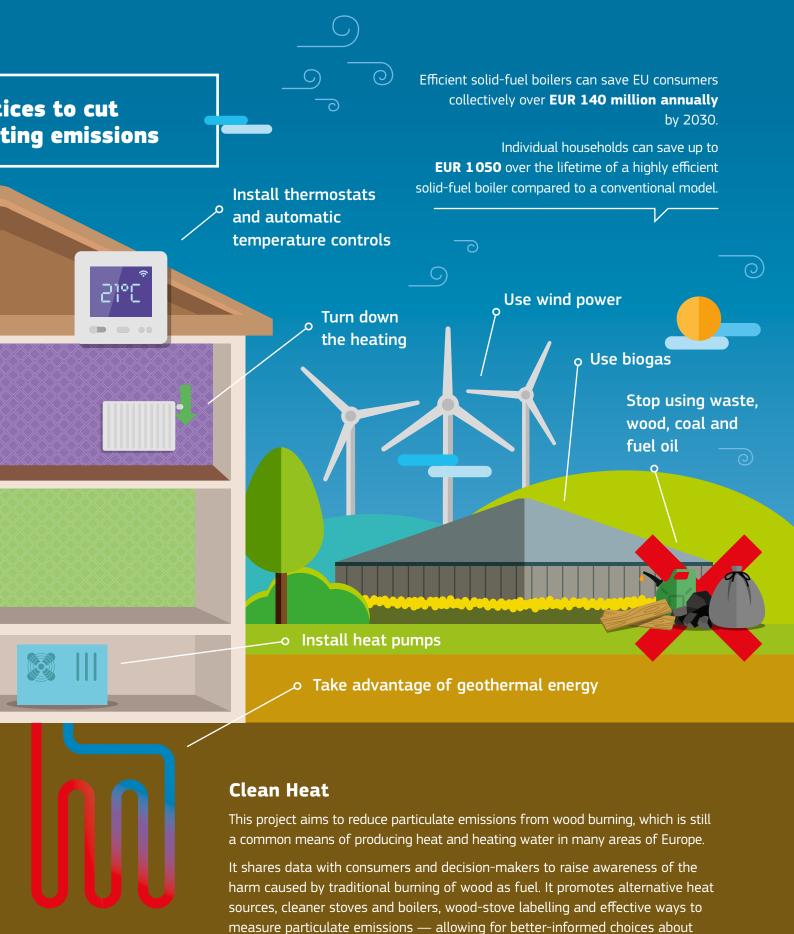


Małopolska air quality plan

Małopolska in southern Poland is one of the most polluted regions in the EU. Here, old household boilers are a major source of air pollution, linked to breathing problems and some forms of cancer.

The project provides advice to help local governments develop policies to modernise household heating in their region. Households can then switch to cleaner energy, such as district heating or boilers that comply with the latest rules.

https://www.powietrze.malopolska.pl/en/life-project



sustainable heating.

https://www.clean-heat.eu



New EU eco-design rules will apply to solidfuel boilers and stoves that produce up to 500 kW heat (enough for a large home or business), from 1 January 2020, and will start to apply to solid-fuel stoves that produce up to 50 kW heat from 1 January 2022.

In addition to standards on heating efficiency, there are also strict caps on emissions of particulate matter, nitrogen oxide and carbon monoxide.

The rules include requirements for additional information on using and repairing boilers safely, and on suitable fuels and their emissions.

EU initiatives to protect Europe's air include the following.

EU Clean Air Forum. Brings together decision-makers, stakeholders and experts to discuss topics such as health, energy, agriculture and funding.

Dialogues with EU Member States. Regular meetings between the European Commission and individual Member States on air quality.

Environmental implementation review.

Commission reports every 2 years on progress of Member States in implementing EU rules.

Suitability check of ambient air quality directives. Regular Commission reviews to eliminate red tape, gaps and conflicts with other rules.

#CleanAirEU

EU funding and actions for cleaner air:

- % http://bit.ly/2xA9sCY
- https://ec.europa.eu/environment/air/index_en.htm
- https://twitter.com/EU_ENV
- (f) https://www.facebook.com/EUEnvironment



Print	PDF
ISBN 978-92-76-11033-0	ISBN 978-92-76-11034-7
doi:10.2779/397218	doi:10.2779/030989
KH-04-19-596-EN-C	KH-04-19-596-EN-N