



EU
Energy Poverty
Advisory Hub

EPAH 1st Practitioners Event

Cool Solutions for Hot Regions: Addressing Summer Energy Poverty through Data and Action

João Pedro Gouveia (EPAH & NOVA FCT)

01/07/2025

EPAH Practitioners Event

3 Practitioner Events Annually:

- One per macro-region (South, North-Central, and Eastern Europe)

Purpose:

- Collaboration: Strengthen regional dialogue
- Problem-Solving: Identify local challenges and brainstorm solutions

Agenda

10:00 | Welcome and Introduction- Climate Change and Summer Vulnerability

João Pedro Gouveia, Principal Researcher, NOVA School of Science and Technology – NOVA-FCT
Energy Poverty Advisory Hub, Portuguese Antenna

10:15 – 11:15 | Round Table: Understanding and Responding to Summer Energy Poverty

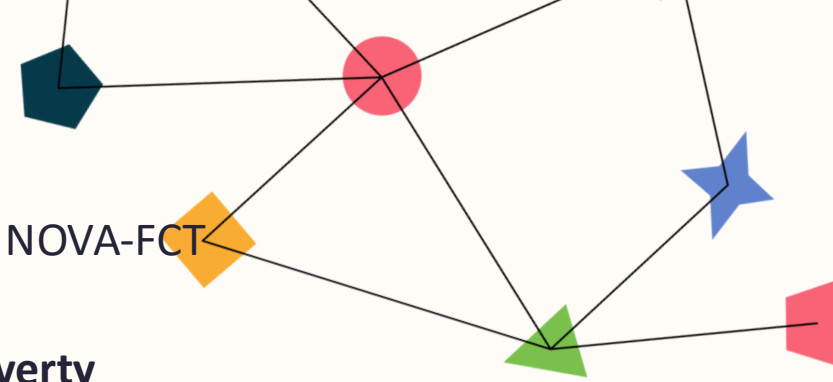
- **Framing Summer Energy Poverty in the EU**
Marine Cornelis, Executive Director, Next Energy Consumer
- **Diagnosing Summer Energy Poverty at multiple spatial scales in the EU and Portugal**
Pedro Palma, Researcher, NOVA School of Science and Technology – NOVA-FCT
- **Cool to Rise Project – Raising Summer energy poverty awareness to reduce cooling needs**
Carmen Sánchez Guevara, Associate Professor, Universidad Politécnica de Madrid
- **Cities HIT Refresh: EU Covenant of Mayors Campaign Summer 2025**
Alison de Luise, Covenant of Mayors Europe
- **Challenges and Opportunities in Renovation and Renewables in Malta**
Neil Muscat, Western Regional Council (Malta)

11:15 – 11:30 | Break

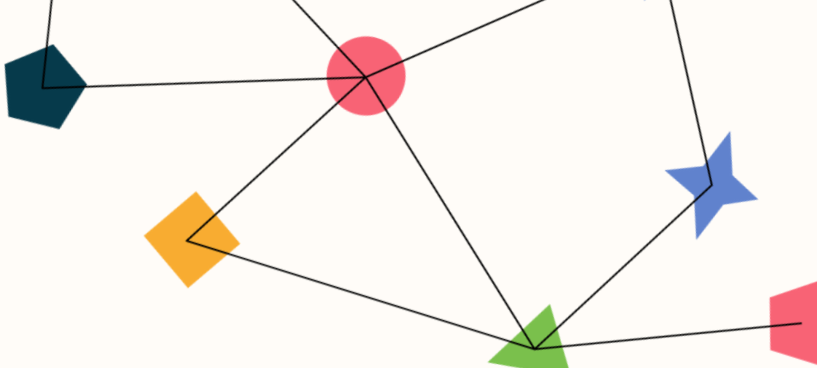
11:30 – 12:15 | Participatory Session

Interactive session with live input from participants

12:15 | Concluding remarks



Climate Change and Increase of Extreme Summer Events



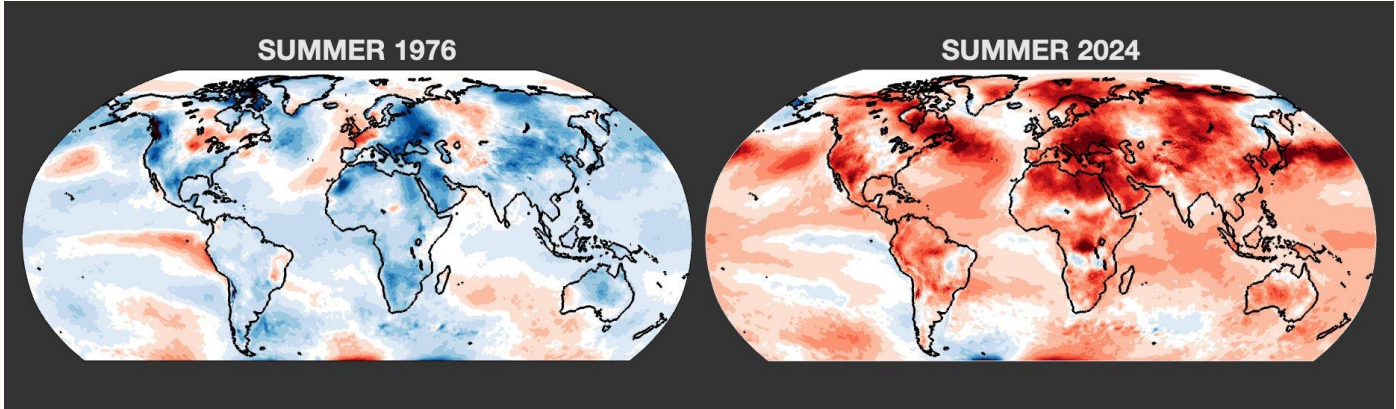
EEA Indicator

Global and European temperatures

Europe is warming faster than the global average. Mean annual temperature in the last decade was 2.19 to 2.26°C above pre-industrial levels.

**EU EnvironmentAgency** 
@EUEnvironment

The past decade has been the hottest on record, with European land temperatures increasing by 2.19 to 2.26°C - even faster than the global average (1.24 to 1.28°C warmer). Visit our updated indicator [link in replies] for more insights.

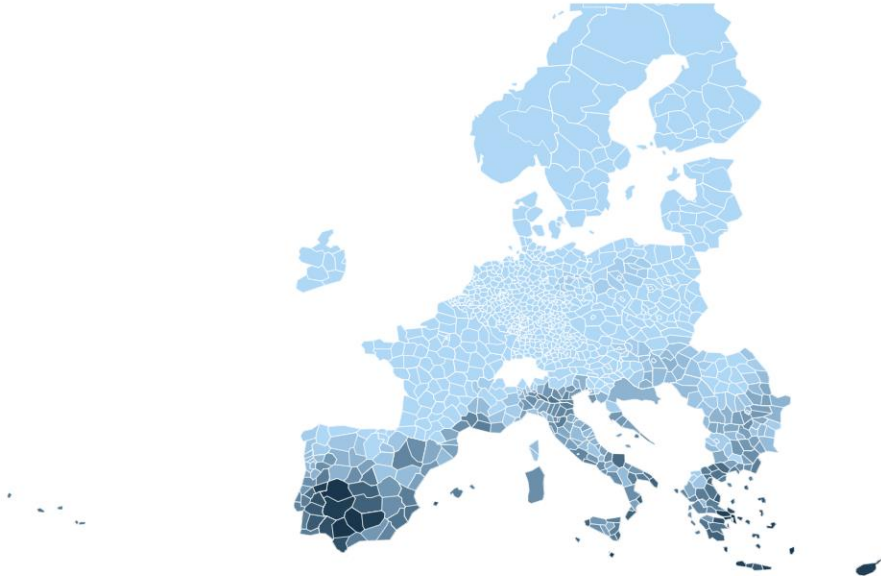


Increasing Cooling Needs

The need for cooling buildings in Europe has increased by a factor of 4 between 1979 and 2022

► ● 1979

0 850

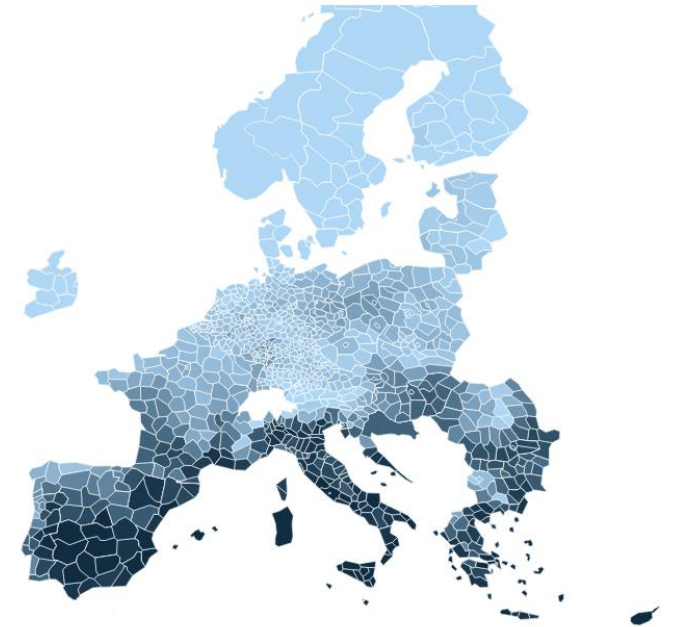


Source: Eurostat • A cooling degree day (CDD) is an index designed to quantify the energy demand required to cool buildings

euronews.

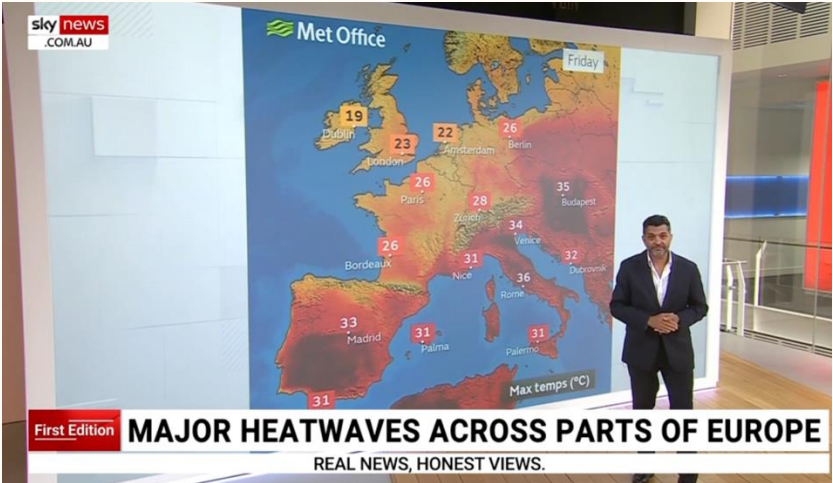
► ● 2022

0 850



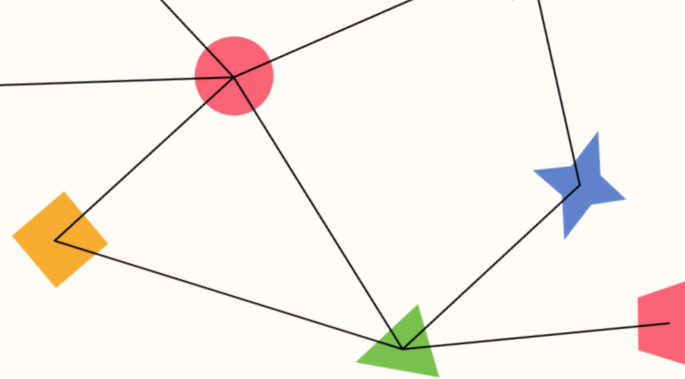
And has doubled in the last 20 years!

Current Situation



10 STATIONS >44c ! That's an insanity
Records destroyed all over the country from
South to North
See 29 June Max temp. list by IPMA

Coruche / Cruz Do Leão	44.2
Coruche	44.2
Portel, Oriola	44.2
Tomar, Valdonas	44.1
Pegões	44.1
Avis, Benavila	44.1
Santarém, Fonte Boa	43.9
Mértola, Vale Formoso	43.9
Amareleja	43.8
Reguengos, S. P. do Corval	43.7
Beja	43.6
Pinhão, Santa Bárbara	43.6
Castro Verde, N. Corvo	43.3
Elvas	43.2
Proença-a-Nova, P. Moitas	43.1
Évora (Aeródromo)	42.8
Lisboa, Amoreiras (LFCL)	42.8

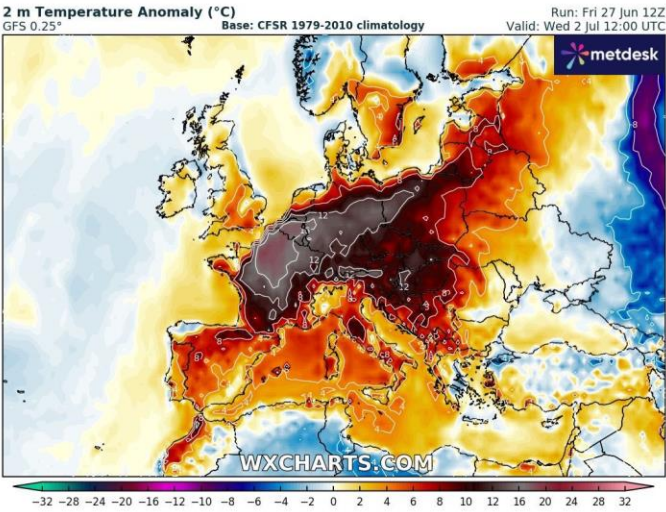


Weather Watcher @WXWatch... · 14h
Red Warnings now in effect for Sunday and Monday in Portugal due to extremely high temperatures — widely above 40°C and with heat index values approaching 50°C.

And before the “it’s called summer” comments start, please remember that if a weather service issues a maximum level alert for heat, it’s because it’s abnormally intense and dangerous.

Met4Cast @Met4CastUK · 15h
Spain has set a new all time June temperature record.
Provisionally, 46°C was recorded in El Granado beating the previous record of 45.2 °C set in Seville in June 1965.

SPAIN 2M TEMPERATURE
JUNE RECORD
Castelo Branco, Cáceres, Santarém, Portalegre, Badajoz, Évora, Beja, Faro, Seville, Cádiz, Algeciras.
El Granado,
GIF
Data: Based on 12 5 PM



Heat wave covers much of Europe: Here's a country-by-country glance

Published: Jun. 30, 2025, 6:52 p.m.

Portugal

Portuguese authorities issued a red heat warning for seven of 18 districts as temperatures were forecast to hit 43 C (109F).

Spain

Spain's national weather service said no relief from the first heat wave of the year is expected until Thursday. Sunday's national average of 28 C (82F) set a new high temperature for June 29 since records were started in 1950.

Italy

In Italy, the Health Ministry put 21 cities under its "red" alert, which indicates "emergency conditions with possible negative effects" on healthy, active people as well as others. Regional governments in northwestern Liguria and southern Sicily put restrictions on outdoor work.

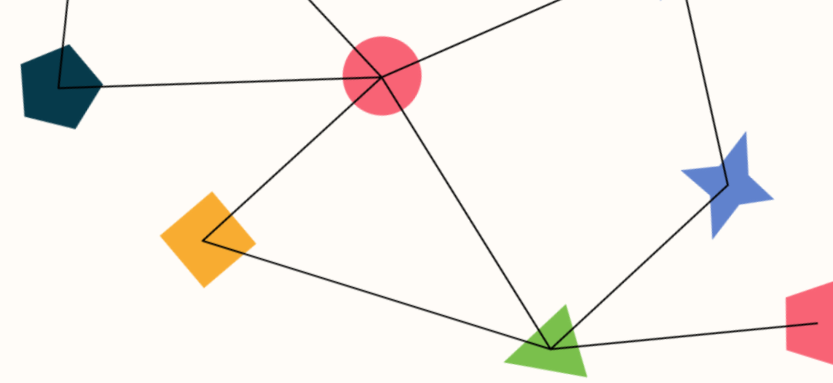
France

In France, where air conditioning remains relatively rare, authorities were taking extra effort to care for homeless and elderly people. Misting stations doused passers-by along the River Seine in Paris.

Germany

Temperatures in southern Germany were forecast as high as 39 C (102F) on Wednesday. Some towns and regions imposed limits on how much water can be taken from rivers and lakes.

At the Berlin zoo, elephants were showered with water and bears treated with blocks of ice containing fruit.



Increased Consequences

Monday, June 30, 2025
10:59 pm (Paris)

Le Monde

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Heat wavesTricks to lower your home's temperature without ACEffects on the body

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LATESTS NEWS - PARIS AIR SHOW

FRANCE • HEAT WAVES

Heatwave forces some French schools to close, as others struggle to cope

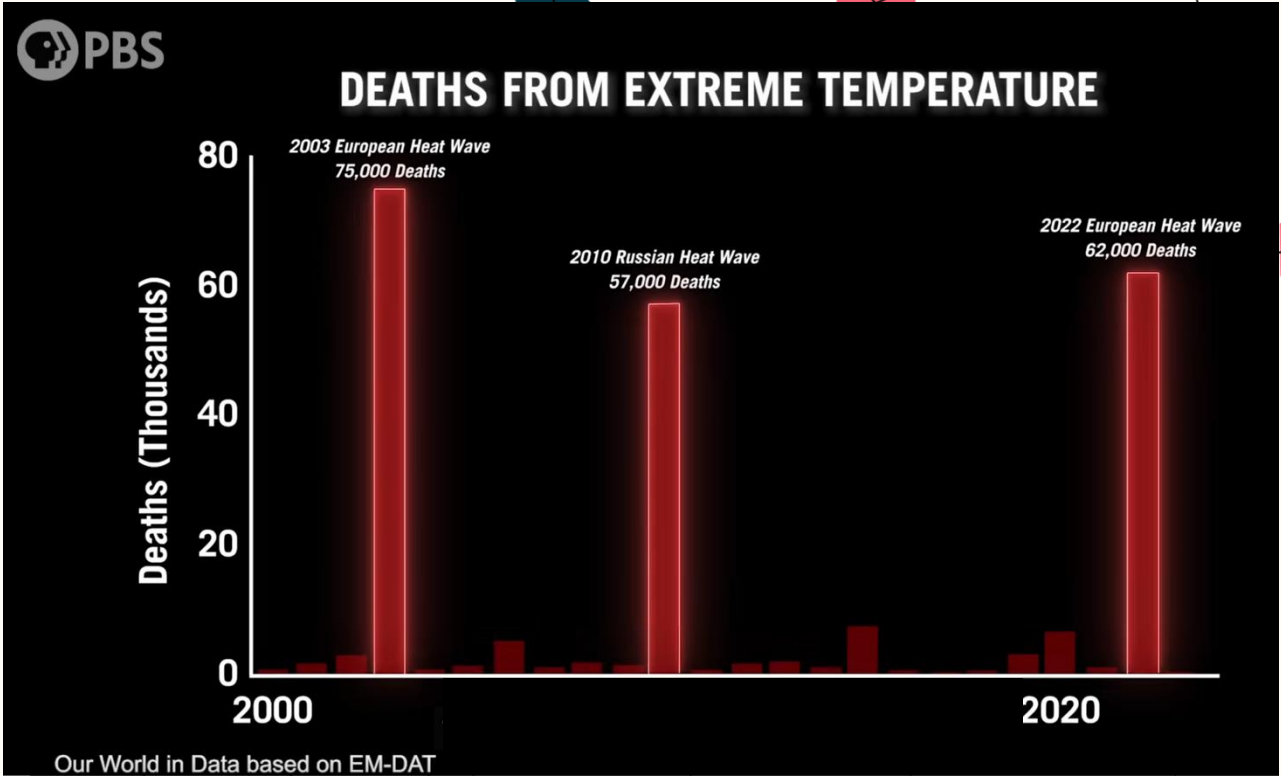
Education Minister Elisabeth Borne has turned to a 'case-by-case approach' in response to high temperatures. Around 200 schools have closed.

By Sylvie Lecherbonnier
Published today at 10:17 am (Paris), updated at 4:15 pm - 4 min read - [Lire en français](#)

European power grids face week-long 40C heatwave stress

(Montel) Power grids across Europe are poised to face significant challenges as temperatures soar to record highs in excess of 40C in coming days, boosting demand, affecting infrastructure and potentially causing blackouts, experts said.

2024



EUROPA

Onda de calor na Europa: trabalhadora morre em Espanha após jornada ao ar livre

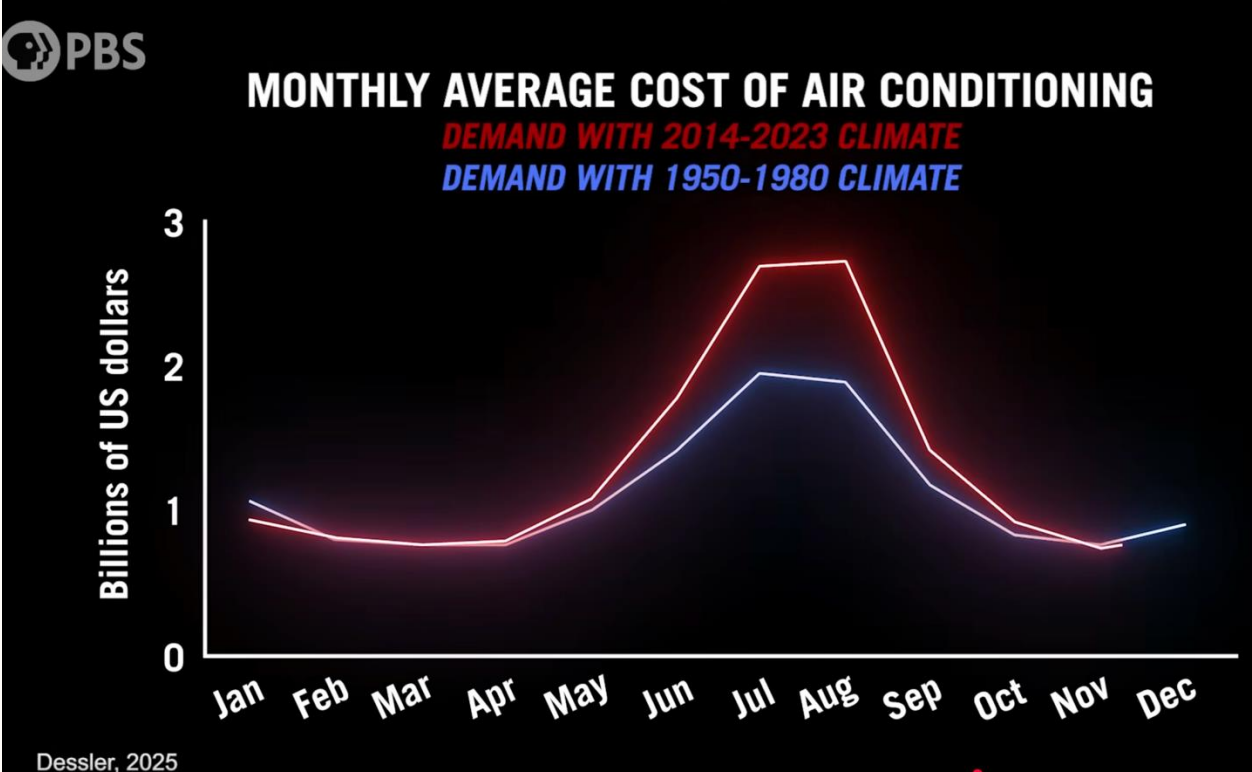
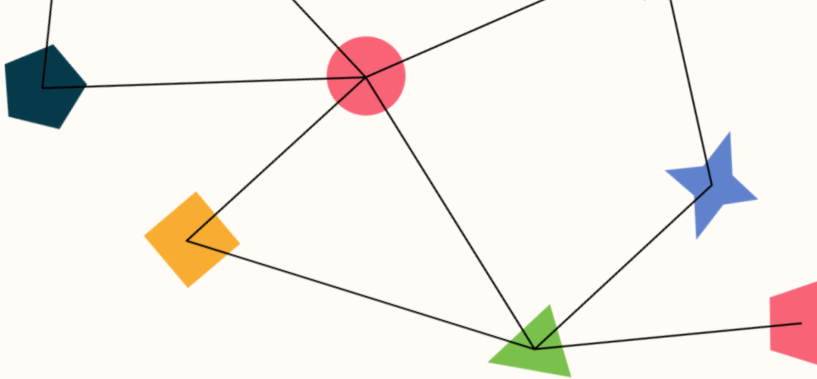
Trabalhadora que limpava ruas de Barcelona morreu após jornada laboral. Vaga de calor persiste em vários países europeus: França fecha escolas, Itália proíbe trabalho ao ar livre.

Increased Summer Vulnerability

Air conditioning is 'exacerbating the climate crisis' but how many Europeans use it?



In 2022, the penetration rate of [air conditioning](#) was 90 per cent in the US and only 19 per cent in Europe (IEA).



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