International Energy Agency

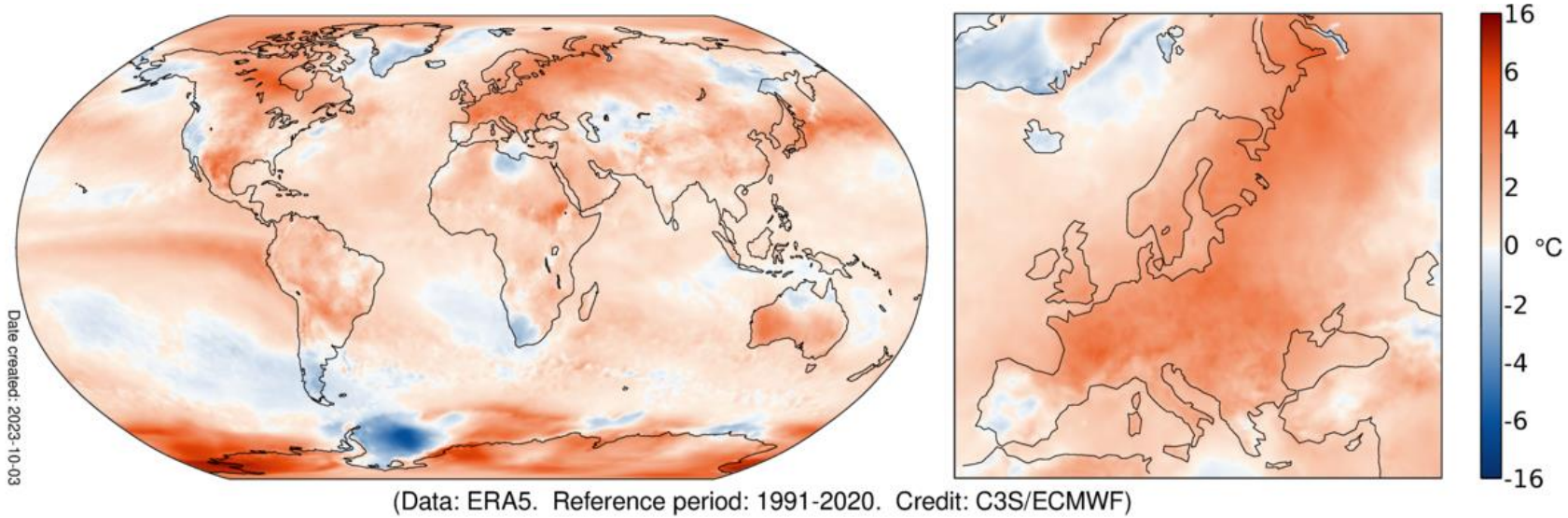
EMAK 12: Evolution of Energy Efficiency Policies into Demand-side Energy Policies

Energy Efficiency and Inclusive Transitions Office

December 13th 2023

2023 saw record temperatures and extreme weather events

Surface air temperature anomaly for September 2023



Source: https://climate.copernicus.eu/surface-air-temperature-september-2023

IEA call for doubling energy efficiency by 2030

Doubling energy efficiency progress offers substantial rewards

What is doubling?

Global annual progress on energy intensity doubles this decade

The target is global, all countries have a part to play

The target will be formally considered at COP28

Why should we double?

A critical step on the path to net zero

Over 7 Gt CO_2 emissions savings in 2030

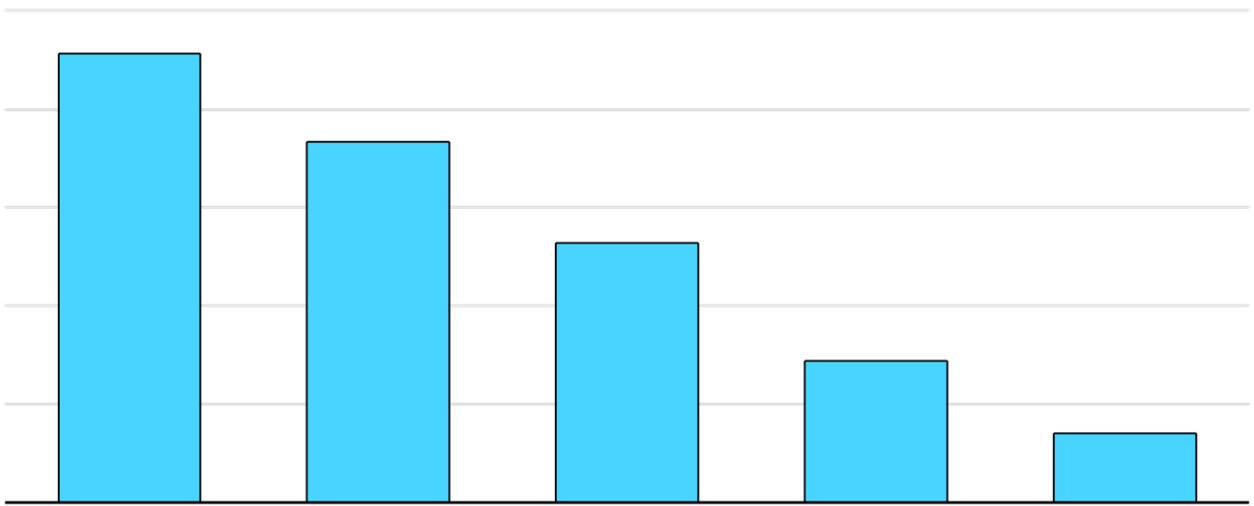
Today's home energy bills in advanced economies lowered by a third

4.5 million more jobs than today

Energy savings equivalent to twice the EU's consumption in 2022

Doubling is within reach of all countries

Proportion of countries to surpass a 4% annual energy intensity improvement one or more times, 2012-2021



Over the past 10 years, almost every country has hit the doubling rate at least once.

The Evolution of EE Policy to Support Clean Energy Transitions

- Energy Efficiency Policy is changing
  - Decarbonisation
  - Electrification
  - Flexibility
  - Engagement

- The challenge is considerable but governments have already begun the process of transforming their energy efficiency policies to address it.

- The tools, technologies and measures available today to not only help meet the challenge but to increase ambition and accelerate global progress on clean energy transitions.