

# THE PLACE OF BUILDINGS IN THE FIT FOR 55

10 May | 14h00 - 15h00 | online



**Ciarán Cuffe,**  
EPBD rapporteur (Greens/EFA)



**Paula Rey Garcia, DG Energy**



**Arianna Vitali,**  
Coalition for Energy Savings



**Moderator**  
**Adrian Joyce, EuroACE**



**Brian Motherway,**  
International Energy Agency



**Femke de Jong,**  
European Climate Foundation

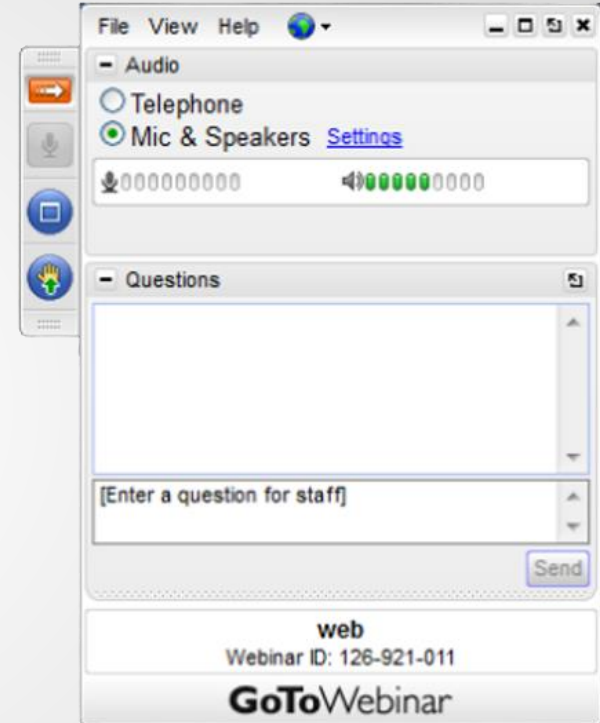
# Introduction



Adrian Joyce  
EuroACE Secretary General

# Instructions

Please send your questions via the Q&A box.



# EuroACE – Energy Efficient Buildings

- The European Alliance of Companies for Energy Efficiency in Buildings
- Formed in 1998 by Europe's leading companies involved with the manufacture, distribution and installation of energy saving goods and services
- A business association working together with the European institutions to help Europe move towards an efficient use of energy in buildings (new and renovated)



# EuroACE – Energy Efficient Buildings

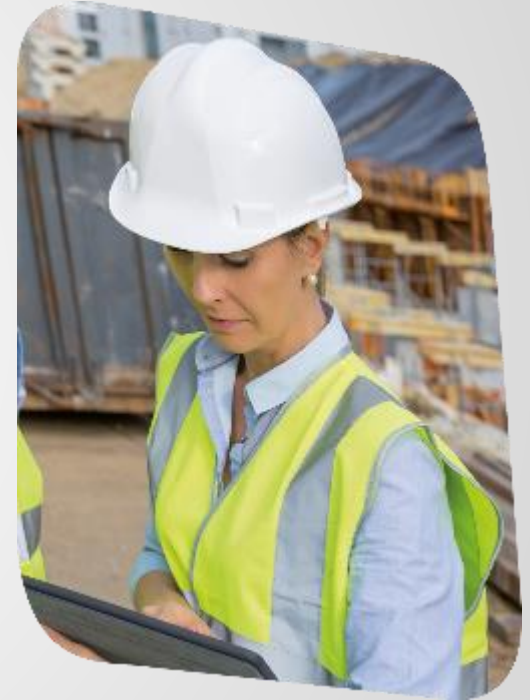
Our members provide the products, equipment, and services that go together to provide energy efficient buildings for the peoples of the EU



# EuroACE – Energy Efficient Buildings

We know that improving the energy efficiency of buildings, especially renovating existing buildings, is the most cost-effective method of:

- Creating employment and securing economic growth
- Alleviating energy poverty over the long-term
- Achieving energy security
- Providing people with comfortable and healthy homes
- Meeting carbon reduction targets



# EuroACE – Renovate Europe Campaign



EU-wide political communications campaign  
Focuses exclusively on ambitious energy  
renovation of the building stock, motivating EU  
and national institutions to take action. It has  
49 partners, including 18 at national level and high  
political support with the 38 Champions Together  
for Renovation

#PrioritisePeople  
#AccelerateRenovation  
#Renovate2Recover



# Buildings in “Fit for 55”

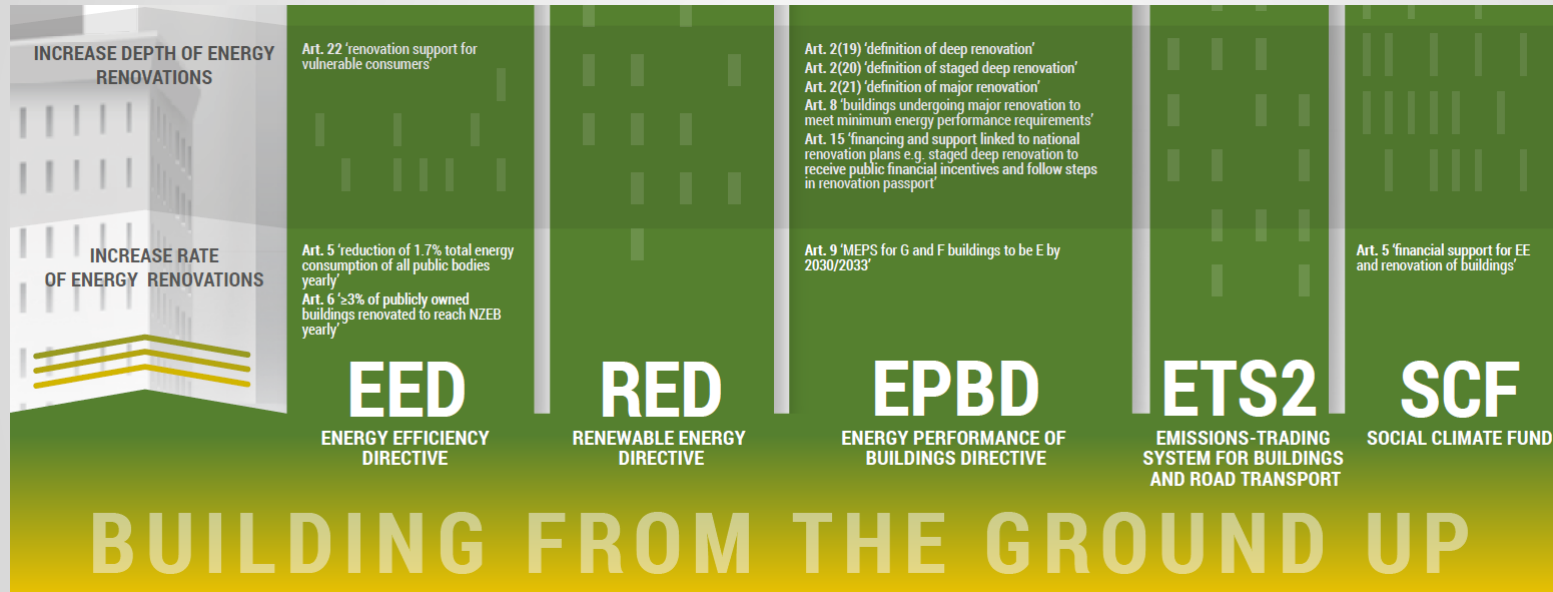
Our infographic gives a detailed overview of where the energy performance of buildings is featured in each of the relevant legislative proposals of the Fit for 55 Package Available on our website: <https://euroace.org/buildings-in-the-fit-for-55-package-for-a-climate-neutral-economy-in-2050/>





# Buildings in “Fit for 55” – Zoom-in

Themes



Relevant  
Articles



Legislation

# Today's agenda

**14:00** | **Introduction and guidance to participants** - Adrian JOYCE, Secretary General of EuroACE

**14:05** | **Keynote** - Brian MOTHERWAY, Head of the Energy Efficiency Division at the International Energy Agency

**14:15** | **Panel Discussion** - Moderated by Adrian Joyce, EuroACE

- Paula Rey Garcia, Deputy Head of Unit, ENER.B.3, European Commission
- Ciaran Cuffe, MEP (Greens/EFA, IE), EPBD rapporteur
- Arianna Vitali, Secretary General, Coalition for Energy Savings
- Femke de Jong, Project Manager Heating Buildings, European Climate Foundation
- Brian Motherway, Head of the Energy Efficiency Division, International Energy Agency

**14:55** | **Wrap-up** - Céline Carré, President of EuroACE

**15:00** | **End**

# Keynote



Brian Motherway  
International Energy Agency



# Energy Efficiency in Buildings

## Picking up the pace

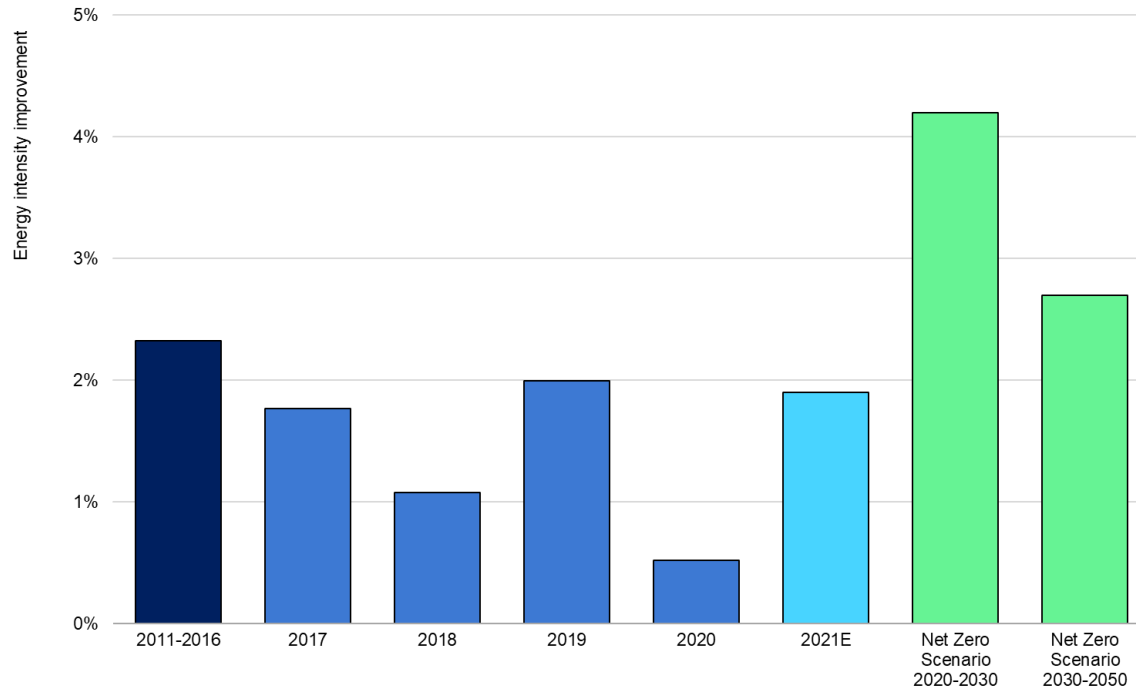
Brian Motherway

10 May 2022

 @BrianRMotherway

# Early action on energy efficiency is vital to reach net zero by 2050

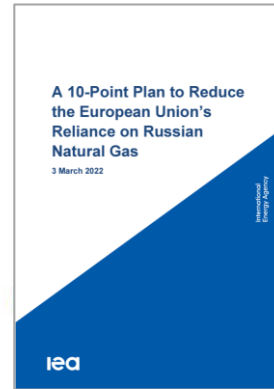
Energy intensity improvements, 2011-2021 and rates assumed in the Net Zero by 2050 Scenario




**Over the last decade the energy intensity of the global economy has improved at around 2% per year on average. This will need to double in this decade to be consistent with the IEA Net Zero by 2050.**

# Short term action to improve energy efficiency

- IEA 10-point plan to reduce the European Union's reliance on Russian natural gas
- IEA 10-point plan to cut oil use
- **Playing my part** – How to save money, reduce reliance on Russian energy, support Ukraine and help the planet



**Action 7**




Speed up the replacement of gas boilers with heat pumps

**Action 8**

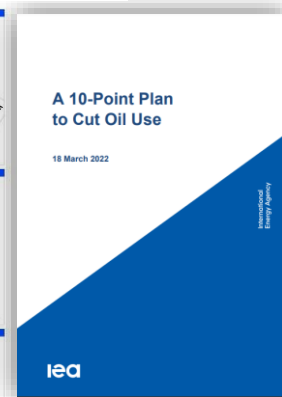
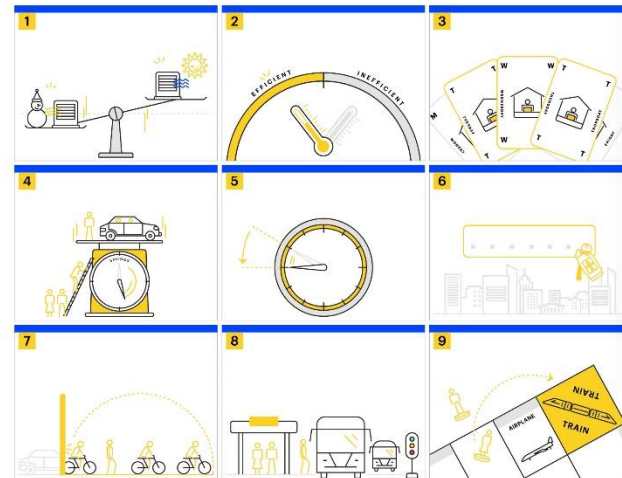


Accelerate energy efficiency improvements in buildings and industry

**Action 9**



Encourage a temporary thermostat adjustment by consumers



# Linking near terms actions with longer term goals

Near term  Longer term

- Behavioural Campaigns

**Act fast and focus on demand reductions**

**Stimulate sustained progress via incentives, information, and digital tools**

- One-stop-shops (OSS)

**Support existing “one-stop-shops”**

**Set up enabling framework for the OSS ecosystem to flourish locally and regionally**

- Labour force training

**Rapid training programmes for heat pump installers**

**Training, re-training, capacity programmes to unlock efficiency’s job creation potential**

- Funding

**Support vulnerable groups and SMEs during the energy crisis; building out smart grants**

**Leverage public funds to stimulate the flow of private investment into building renovation**

- Over 25 energy/climate ministers from all continents will gather to discuss how to immediately accelerate energy efficiency progress
- Key focus on immediate action on energy efficiency for resilience, affordability and climate
- 40 speakers and 300 delegates
- Gala dinner at Sønderborg Castle, joined by HRH the Crown Prince of Denmark
- **Sønderborg, Denmark, 7-9 June**
- **Kindly hosted by Government of Denmark**

[www.iea-events.org/energy-efficiency](http://www.iea-events.org/energy-efficiency)





iea

# Panel Discussion



Ciarán Cuffe  
EPBD Rapporteur (Greens/EFA)



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International Energy Agency



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Moderator

Adrian Joyce  
EuroACE

# Benefits of renovating and electrifying buildings

Cambridge Econometrics (2022), [here](#)

## THE MAIN SOCIO-ECONOMIC BENEFITS OF THE TRANSITION TO EFFICIENT AND ELECTRIFIED BUILDINGS BY 2050

GDP in the EU27 and UK increases by 1%

Disposable income of the poorest households increases

Europe will spend €43 billion less on gas imports

which will reduce Europe's dependence on volatile fossil fuel prices

NOx emissions are reduced by 90% leading to better air quality

in addition to zero CO2 emissions from residential heating & cooling

Heating bills are 50% cheaper for households

thanks to a lower energy demand

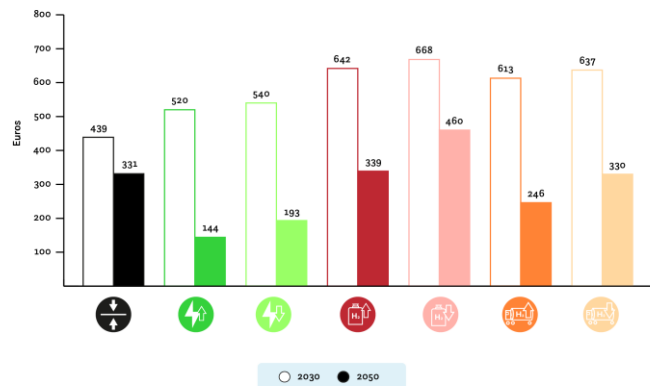
1.2 million net additional jobs are created

mainly in the construction sector



Figure 1: Illustration showing the main socio-economic benefits of the transition to efficient and electrified buildings by 2050, compared to the baseline

## AVERAGE HEATING BILLS CAN BE CUT IN A HALF BY 2050 WHEN BUILDINGS ARE ELECTRIFIED AND MADE ENERGY EFFICIENT



## HEAT PUMPS AND SOLAR THERMAL WOULD BE THE CHEAPEST TECHNOLOGIES FOR HOUSEHOLDS IN THE NEXT DECADE

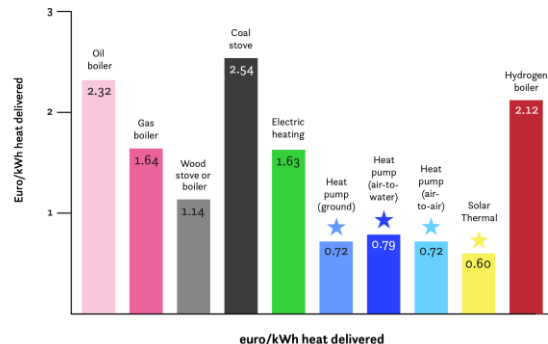

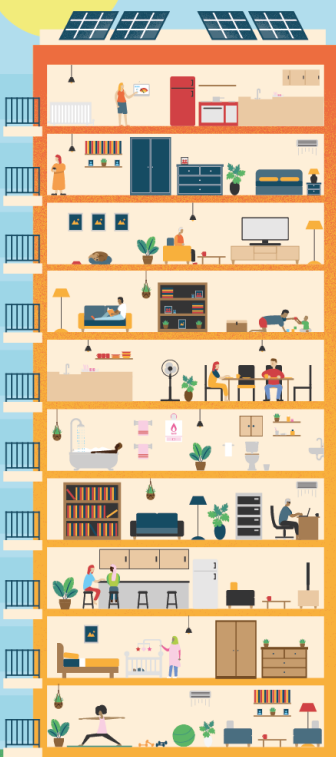











Figure 8: Total cost of owning and running different heating technology (in €/kWh heat delivered) over the period 2030-2040 (Mixed scenario with hydrogen produced domestically)

# POTENTIAL IMPACTS OF THE EU RENOVATION WAVE ON LOW-INCOME HOUSEHOLDS IN 2050

		Change in energy consumption	Change in disposable income	Reduction of greenhouse gas emissions	Better air quality	Energy costs	Investment needs (billion €)
Bulgaria		-34%	2.14%			-34%	3.60
Czechia		-36%	2.41%			-34%	11.79
Greece		-26%	5.55%			-48%	8.14
Hungary		-31%	7.12%			-41%	11.54
Italy		-32%	0.74%			-51%	41.74
Poland		-45%	1.39%			-34%	32.53
Portugal		-3%	-0.24%			-8%	3.09
Romania		-30%	3.93%			-44%	14.92
Slovakia		-35%	5.64%			-45%	5.30
Spain		-23%	0.74%			-20%	26.43

Improved health and well-being

Enhanced social inclusion

Improvement in education and productivity

Job creation

# Panel Discussion



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EuroACE

# Conclusions



Céline Carré  
Saint Gobain – President of EuroACE



# Thank you!

