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.
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
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

Buildings in “Fit for 55” – Zoom-in

Themes

- Increase Depth of Energy Renovations
  - Art. 22: "Renovation support for vulnerable consumers"
- Increase Rate of Energy Renovations
  - Art. 5: "Reduction of 1.7% total energy consumption of all public bodies yearly"
  - Art. 6: "52% of publicly owned buildings renovated to reach NZEB yearly"

EED
Energy Efficiency Directive

RED
Renewable Energy Directive

EPBD

ETS2
Emissions Trading System for Buildings and Road Transport

SCF
Social Climate Fund

Building from the Ground Up

Relevant Articles

Legislation

EuroACE
Energy Efficient Buildings
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**
Energy Efficiency in Buildings
Picking up the pace

Brian Motherway

10 May 2022

@BrianR Motherway
Early action on energy efficiency is vital to reach net zero by 2050

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
# Linking near terms actions with longer term goals

<table>
<thead>
<tr>
<th>Near term</th>
<th>Longer term</th>
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<tbody>
<tr>
<td>• Behavioural Campaigns</td>
<td></td>
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<tr>
<td>Act fast and focus on demand reductions</td>
<td>Stimulate sustained progress via incentives, information, and digital tools</td>
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<tr>
<td>• One-stop-shops (OSS)</td>
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<tr>
<td>Support existing “one-stop-shops”</td>
<td>Set up enabling framework for the OSS ecosystem to flourish locally and regionally</td>
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<td>• Labour force training</td>
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<tr>
<td>Rapid training programmes for heat pump installers</td>
<td>Training, re-training, capacity programmes to unlock efficiency’s job creation potential</td>
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<tr>
<td>• Funding</td>
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<tr>
<td>Support vulnerable groups and SMEs during the energy crisis; building out smart grants</td>
<td>Leverage public funds to stimulate the flow of private investment into building renovation</td>
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</table>
The IEA 7th Annual Global Conference on Energy Efficiency

- 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
Panel Discussion

Ciarán Cuffe
EPBD Rapporteur (Greens/EFA)

Brian Motherway
International Energy Agency

Paula Rey García
DG Energy

Arianna Vitali
Coalition for Energy Savings

Femke de Jong
European Climate Foundation

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
- 1.2 million new additional jobs are created, mainly in the construction sector
- Heating bills are 50% cheaper for households thanks to a lower energy demand

Figure 1: Illustration showing the main socio-economic benefits of the transition to efficient and electrified buildings by 2050, compared to the baseline
## Potential Impacts of the EU Renovation Wave on Low-Income Households in 2050

<table>
<thead>
<tr>
<th>Country</th>
<th>Change in energy consumption</th>
<th>Change in disposable income</th>
<th>Energy costs</th>
<th>Investment needs (billion €)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bulgaria</td>
<td>-34%</td>
<td>2.14%</td>
<td>-34%</td>
<td>3.60</td>
</tr>
<tr>
<td>Czechia</td>
<td>-36%</td>
<td>2.41%</td>
<td>-34%</td>
<td>11.79</td>
</tr>
<tr>
<td>Greece</td>
<td>-26%</td>
<td>5.55%</td>
<td>-48%</td>
<td>8.14</td>
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<tr>
<td>Hungary</td>
<td>-31%</td>
<td>7.12%</td>
<td>-41%</td>
<td>11.54</td>
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<tr>
<td>Italy</td>
<td>-32%</td>
<td>0.74%</td>
<td>-51%</td>
<td>41.74</td>
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<tr>
<td>Poland</td>
<td>-45%</td>
<td>1.39%</td>
<td>-34%</td>
<td>32.53</td>
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<tr>
<td>Portugal</td>
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<td>-0.24%</td>
<td>-8%</td>
<td>3.09</td>
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<td>Romania</td>
<td>-30%</td>
<td>3.93%</td>
<td>-44%</td>
<td>14.92</td>
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<tr>
<td>Slovakia</td>
<td>-35%</td>
<td>5.64%</td>
<td>-45%</td>
<td>5.30</td>
</tr>
<tr>
<td>Spain</td>
<td>-23%</td>
<td>0.74%</td>
<td>-20%</td>
<td>26.43</td>
</tr>
</tbody>
</table>

IEECP (2022, forthcoming)
Panel Discussion

Ciarán Cuffe
EPBD Rapporteur (Greens/EFA)

Brian Motherway
International Energy Agency

Paula Rey García
DG Energy

Arianna Vitali
Coalition for Energy Savings

Femke de Jong
European Climate Foundation

Moderator

Adrian Joyce
EuroACE
Conclusions

Céline Carré
Saint Gobain – President of EuroACE
Thank you!