Welcome!

With the support of:

EuroACE
THE EUROPEAN ALLIANCE OF COMPANIES FOR ENERGY EFFICIENCY IN BUILDINGS

DENEFF
DEUTSCHE UNTERNEHMENSINITIATIVE Energieeffizienz

DEUTSCHER BUNDESTAG
Opening Addresses

Adrian JOYCE
Secretary General
EuroACE

Henning Ellermann
Head of Energy Efficiency in Buildings
DENEFF
EuroACE:

- European association bringing leading companies involved with the manufacture, distribution and installation of a variety of energy saving products, equipment and services in buildings together.

- We promote energy efficiency in buildings on the EU political and regulatory agenda, raise awareness, providing research data and communicating on available solutions and policies.
Motivation:

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

- Meeting carbon reduction targets
- Creating employment and securing economic growth
- Providing Europeans with comfortable & healthy homes
- Achieving energy security
More than 200,000 employees and 900 production facilities & office locations in Europe

Cross-sector representation
A Political Communications Campaign with the Ambition to Reduce the Energy Demand of the Building Stock in the EU by 80% by 2050 through legislation and ambitious renovation programmes.

#GreenDeal4Buildings
#PrioritisePeople
Today’s Event:

The European Green Deal and German EPBD Implementation

Moderated by:
Adrian Joyce, Secretary General of EuroACE

10.00-10.20  Welcome Coffee
10.20-10.30  Opening Addresses
10.30-11.20  Session 1:
The Green Deal and Stakeholder Engagement in EPBD Implementation
11.20-12.30  Session 2:
Tools for Effective Implementation: financing, ambition and quality assurance
12h30-13h30  Lunch
Context:

**The European Green Deal:**
The backbone of EU policy for the next 5 years

*Climate Law will ensure “no way back” from climate neutrality by 2050*

**Energy Performance of Buildings Directive**
Transposition period ends on 10th March

*By 2050 the building stock must be “highly energy efficient and decarbonised”*
Opening Address

Henning Ellermann
Head of Energy Efficiency in Buildings
DENEFF
Session 1
The Green Deal and Stakeholder Engagement in EPBD Implementation

Pieter de Pous, E3G Berlin Office
An introduction to the European Green Deal

Céline Carre, Saint Gobain
Implications of the European Green deal for Buildings

Panelists:
Henning Ellermann, DENEFF
Volker Weinmann, Daikin Airconditioning Germany
Introduction to European Green Deal

Pieter de Pous
Senior Policy Advisor
E3G Berlin Office
An introduction to the European Green Deal

Pieter de Pous
22\textsuperscript{nd} January 2020
## What is E3G?

| **What:** E3G is an independent climate change think tank. |
| **Mission:** To accelerate the transition to a climate safe world. |
| **Where:** London, Brussels, Berlin, Dublin and Washington D.C. and staff in seven other countries worldwide. |
| **How:** We deliver outcomes through coalitions with partners in government, politics, NGOs, science & media. |
| **Funding:** Primarily from philanthropic foundations. |
| **Influence:** Ranked 5th most influential environmental policy think tank in the world*. |

*In 2018, E3G was ranked the fifth most influential environmental policy think tank in the world for the third year running by the Global Go To Think Tank Index.*
Politics are shifting

92% of Europeans agree that greenhouse gas emissions should be reduced to a minimum in order to make the EU economy climate neutral by 2050.

Q89 In your opinion, which of the following energy issues should the European Union tackle as a priority over the next 10 years? (MAX 3 ANSWERS)

(% - THE MOST MENTIONED ANSWER BY COUNTRY)

Base: All respondents (n=27,438)
The Energy Union is dead. Long live the European Green Deal!
UVDL’s European Green Deal

- European Climate Law
- Emission Trading System extension
- Carbon Border Tax
- Energy Taxation Directive review
- Industrial and Innovation Strategy
- Just Transition Fund
- European Climate Pact
- Strategy for Green Financing
- Sustainable Europe Investment Plan and EIB reform
- Increase the EU target for 2030 to 55% and lead international negotiations
- Biodiversity Strategy for 2030
- “Farm to Fork” Strategy
- Zero pollution strategy
- New Circular Economy Action Plan and Single Use Plastics Strategy
- Conference on the Future of Europe
Proposal for a European Green Deal

The European Green Deal is a Climate Project
- Be honest, be urgent
- Avoid stagnation, avoid capture

The European Green Deal is an Economic Project
- A “Green” response to the next crisis?
- Climate change is a systemic economic risk
- Supporting the industry does not mean preserving it as is

The European Green Deal is a Social Project
- Money is necessary but not sufficient
- Just Transition is not only coal
- Europe needs Just Resilience

The European Green Deal is an International Project
- Climate politics are geopolitics
- The success of Paris is the success of Europe

The European Green Deal is a European Project
- Tactical deals will not overcome the East-West divide
- European projects don’t need to be megaprojects
About E3G

E3G is an independent climate change think tank accelerating the transition to a climate safe world.

E3G builds cross-sectoral coalitions to achieve carefully defined outcomes, chosen for their capacity to leverage change. E3G works closely with like-minded partners in government, politics, business, civil society, science, the media, public interest foundations and elsewhere. In 2018, for the third year running, E3G was ranked the fifth most globally influential environmental think tank.

More information is available at [www.e3g.org](http://www.e3g.org)
Implications of the EGD for EE in Buildings

Céline Carré
Head of Public Affairs
Saint Gobain
IMPLICATIONS OF THE EUROPEAN GREEN DEAL FOR ENERGY EFFICIENCY IN BUILDINGS

Céline Carré – Head of Public Affairs

Berlin
22 January 2020
A STRONG GLOBAL GROUP – OVER 80% TURNOVER IN CONSTRUCTION

OPERATING IN

68
COUNTRIES

MORE THAN

180,000
EMPLOYEES

CREATED MORE THAN

350
YEARS AGO

2018 SALES

€41.8BN

ABOUT

3,700
RESEARCHERS IN 8 CENTERS

1 in 4 PRODUCTS SOLD DID NOT EXIST 5 YEARS AGO

MAIN CONSTRUCTION BRANDS

SAINT-GOBAIN

SAINT-GOBAIN

SAINT-GOBAIN

SAINT-GOBAIN

SAINT-GOBAIN

SAINT-GOBAIN

SAINT-GOBAIN

SAGEGLASS

SAINT-GOBAIN
To address the twin challenge of energy efficiency and affordability, the EU and the Member States should engage in a ‘renovation wave’ of public and private buildings. While increasing renovation rates is a challenge, renovation lowers energy bills, and can reduce energy poverty. It can also boost the construction sector and is an opportunity to support SMEs and local jobs.

Green Deal came like a Christmas present. How big is it?
THIS IS THE WAVE, SO FAR…

Has this really made a wave?

Better energy performance of buildings

Prices of different energy sources should incentivise energy-efficient buildings.

- Design of buildings should be in line with the circular economy.
- Increased digitalisation.
- More climate-proofing of buildings.
- Strict enforcement of rules on energy performance of buildings.

New renovation initiative in 2020

The Commission will launch an open platform bringing together the buildings and construction sector, architects and engineers and local authorities to:

- Develop innovative financing possibilities.
- Promote energy efficiency investments in buildings.
- Pool renovation efforts into large blocks to benefit from economies of scale.

Building and renovating

The European Green Deal

Start a 'renovation wave'

Renovate social housing, schools and hospitals

Particular attention will be paid to the renovation of social housing, to help households who struggle to pay their energy bills.

Leave no one behind

Help the 50 million consumers to keep their homes warm.
Buildings are key to drive decarbonisation. The challenge is BIG.
WHAT ABOUT THE CONSTRUCTION SECTOR?

9% GDP 18 million jobs 3 million SMEs

A big asset for the EU economy. But made of small fishes.
Not a breeze of wind. Who wants to set sail?
IS THE CURRENT LANDSCAPE ATTRACTIVE FOR CONSUMERS?

When dreaming of it, it looks still too scary. So we don’t go.
THE RENOVATION WAVE(S) AND THE SEA WE WANT

Our WAVES will need
1. Amplitude
2. Frequency
3. Velocity
4. Continuity

Our dream SEA will need
1. A clear horizon
2. Various currents
3. Wind
4. Islands
WHAT WILL MAKE US SET SAIL?

1. Clear horizon & strategy
   - 2050 objectives (2030/2040)
   - Energy Efficiency First (EE1)
   - Long term strategies
   - Carrots & Sticks
   - Trigger points – EPBD
   - Min. performance requirements

2. Favoring « currents » for any building
   - Segment specific policies
   - Worst performing buildings first
   - Exemplary wave : public buildings (art 5 EED)
   - Leverage data / mapping / solutions
   - Take best-practice sharing "to the moon"
   - Build "ecosystem" for scaling up

3. Easy & efficient renovation
   - Empower professionals (architects, installers,…)
   - Team coordination & skills (Platforms)
   - Integrate passive & active solutions
   - Building Renovation Passport
   - Efficiency / industrialised renovation
   - City / district approach (link EE1)

4. Affordable & valuable
   - Simple & stable subsidy schemes
   - Tailored schemes (vulnerable / able to pay)
   - Reward EE ambition
   - Pooling MFF; EIB InvestEU; Just Transition...
   - Other ideas : Leverage use of ETS money; mainstream green mortgages; Eurostat note

Renovating, like sailing, involves preparedness. Synchronising the mix of tools is the priority.
TO CONCLUDE …

« No wind blows in favour of a ship without direction ». Seneca
THANK YOU FOR YOUR ATTENTION

Céline Carré, Head of Public Affairs, Saint-Gobain – celine.carre@saint-gobain.com
Session 1: Panel Debate

Pieter de Pous  
*E3G Berlin Office*

Céline Carré  
*Saint Gobain*

Henning Ellermann  
*DENEFF*

Volker Weinmann  
*Daikin Airconditioning Germany*
Session 2
Tools for Effective Implementation:
Financing, Ambition and Quality Assurance

Murray Birt, DWS
Investor Perspective on Advancing Energy Efficiency in Germany

Prof. Andreas Holm, FIW Munich
Strategy for Renovation: How deep should we go?

Panelists:
Sune Tobias Grollov, VELUX
Dr. Thomas Engelke, vzbv
Investor Perspective on Advancing EE in Germany*

Murray Birt
Senior ESG Strategist
DWS UK Office

*Due to regulatory restrictions, the DWS presentation cannot be published online but if you are interested in further information about the presentation, please contact murray.birt@dws.com
Strategy for Renovation: How Deep Should we go?

Prof. Andreas Holm
FIW Munich
Strategy for Renovation: how deep should we go?

Andreas H. Holm
today

Black Box

2050
The road to success
CO2-Emissions

BAU (0.8 % p.a.)

1.6 % p.a.

2.4 % p.a.
The road to success
Final energy demand from renewable resources

**BAU**

**All-Electric**

**Technolog Mix**

- Strom für Hilfsenergie
- Fernwärme
- Bio
- Strom für Wärme
- Öl
- Gas
Accumulated additional costs compared to BAU

**All-Electric**

**Technology Mix**
The road to success
better U-values

more houses
Energy Code
- EH 100
- EH 70
- EH 55
- EH 40

more houses
- Retrofitting rate
  - 1 % p.a.
  - 2 % p.a.
  - 3 % p.a.

better U-values
Necessary retrofitting rate in order to compensate

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<th>EFH 70</th>
<th>EFH 55</th>
<th>EFH 40</th>
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Accumulated additional costs

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Kumulierter Kosten in Mrd. €

Betrachtungszeitraum: 2020 bis 2050
Conclusion
CO₂ - Reduction

Energy efficiency
Session 2: Panel Debate

Murray Birt
DWS UK Office

Prof. Andreas Holm
FIW Munich

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VELUX

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