

### Driving energy efficiency in buildings







### Moderator

### Jens Laustsen

Coordinator of the Concerted Action on the EPBD,

Danish Energy Agency







### Federica Sabbati

# Secretary General The association of the European Heating Industry









## Modernize installed heating appliance



Realise CO2 reduction to keep EU within climate targets



Focus on consumers





### **Thomas Nowak**

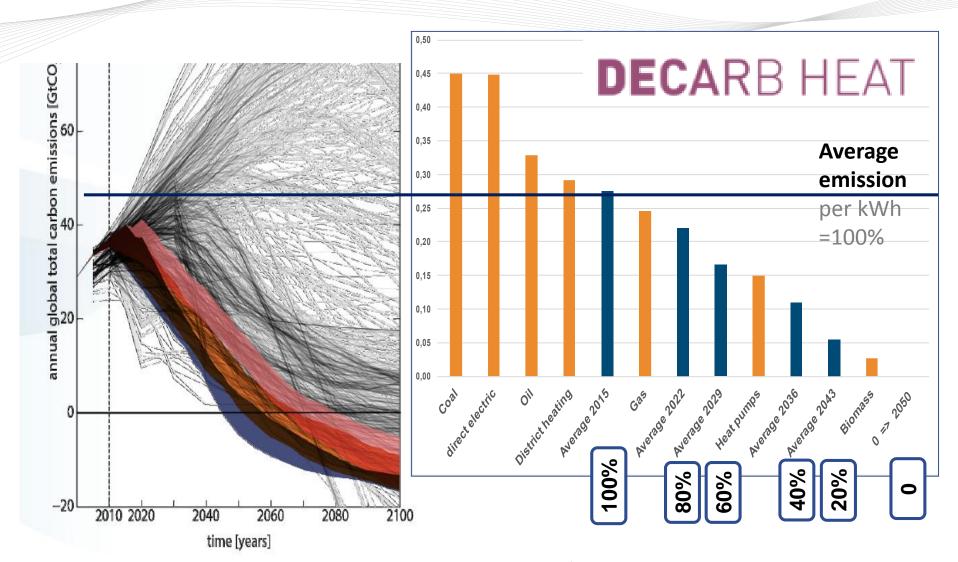
## Secretary General EHPA





### A decarbonized society needs to...





### Necessary decarbonisation paths until 2100: Rogelj, J.:

www.iea.org/media/workshops/2016/etp2017/3 Rogelj IEA ETP WB2DS Workshop 20160620 di stri.pdf

#### Avg. g of CO<sub>2</sub>/kWh: status quo 2015 & target values

EU building stock 2015 from www.entranze.eu, Emission values from iinas.org/gemis.html, own calculations



### Vasco Ferreira

## Policy officer DG Energy, European Commission







### The EPBD Review

- Simple
- Smart
- Supportive







### **Adrian Joyce**

## Secretary General EuroAce









## **Martin Dieryckx**

## General Manager Daikin Europe







### Keys to valorise innovation in the market

#### **DESIGN** → EPB calculation

- How many countries valorise the inverter technology (exist more the 10 years)?
- How many countries valorise heat recovery ventilation technologies?

#### BUILD → EPB results

- How many countries valorise smart appliances or BMS?
- How many countries valorise a maintenance contract?

### MAINTAIN → EPB certificate



#### **FINANCE:**

- Investment
- running cost

Cash flow in each stage? → most important → nZEB creates a new mechanism

Life cycle cost? → after cash flow

A unified approach in Europe is most important to accelerate innovation and energy saving. The present national approach is delaying the introduction of innovation.







## Q&A



















