

# Progress on Energy Efficiency in the EU

Nils Borg, ecee Executive Director  
European Parliament, 31 January 2017



ENERGY EFFICIENCY WATCH



Co-funded by the Intelligent Energy Europe  
Programme of the European Union

# The EEW 3 Consortium



EUFORES



ESV - Upper Austrian Energy Agency



ECOFYS



Energy Cities



Wuppertal Institute – for climate, environment, energy gGmbH



FEDARENE - European Federation of Regional Energy and Environment Agencies

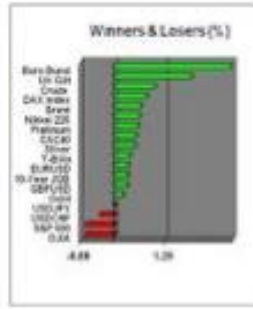


ECEEE – European Council for an Energy Efficient Economy

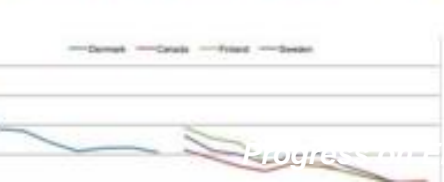


# air quality & health





# economy & jobs





climate

protection

Progress on Energy Efficiency in the B



**“there is  
no realistic or affordable  
energy and climate change policy  
without  
a sizeable and vigorous  
energy efficiency component”**

IEA 2016 Energy Efficiency Market Report (10 Oct 2016)



# IEA: Energy efficiency markets keep growing

- Coined “**first fuel**” as a concept
- **Lots of energy efficiency** resources in **all countries** (only resource *every* country has)
- Global energy efficiency gains are **accelerating**, even in the **current low price** environment.
- Energy efficiency **will influence** global energy markets.
- Energy efficiency is becoming **more central in climate change** responses.



And IEA's most important  
conclusion:

**Policy matters!**

**Policy delivers!**

# No time to celebrate

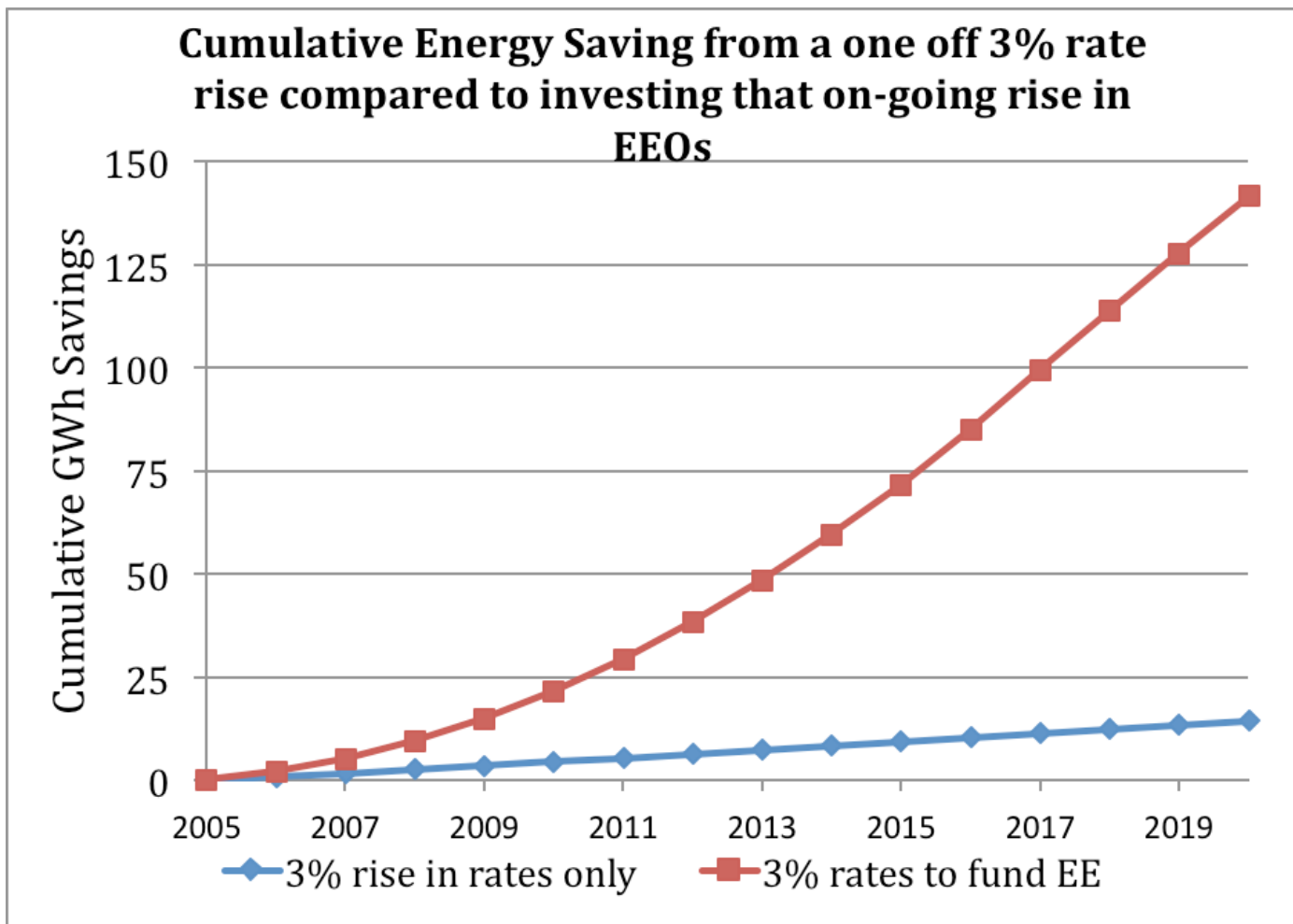
- **Policies are working, but we are in a hurry**
- **70% of global energy use is outside of any mandatory efficiency requirements**
- **Stronger policies required**



# **Energy efficiency is invisible and needs institutional support**



# Taxing energy is *not* a sufficient policy – EEOs vs taxes



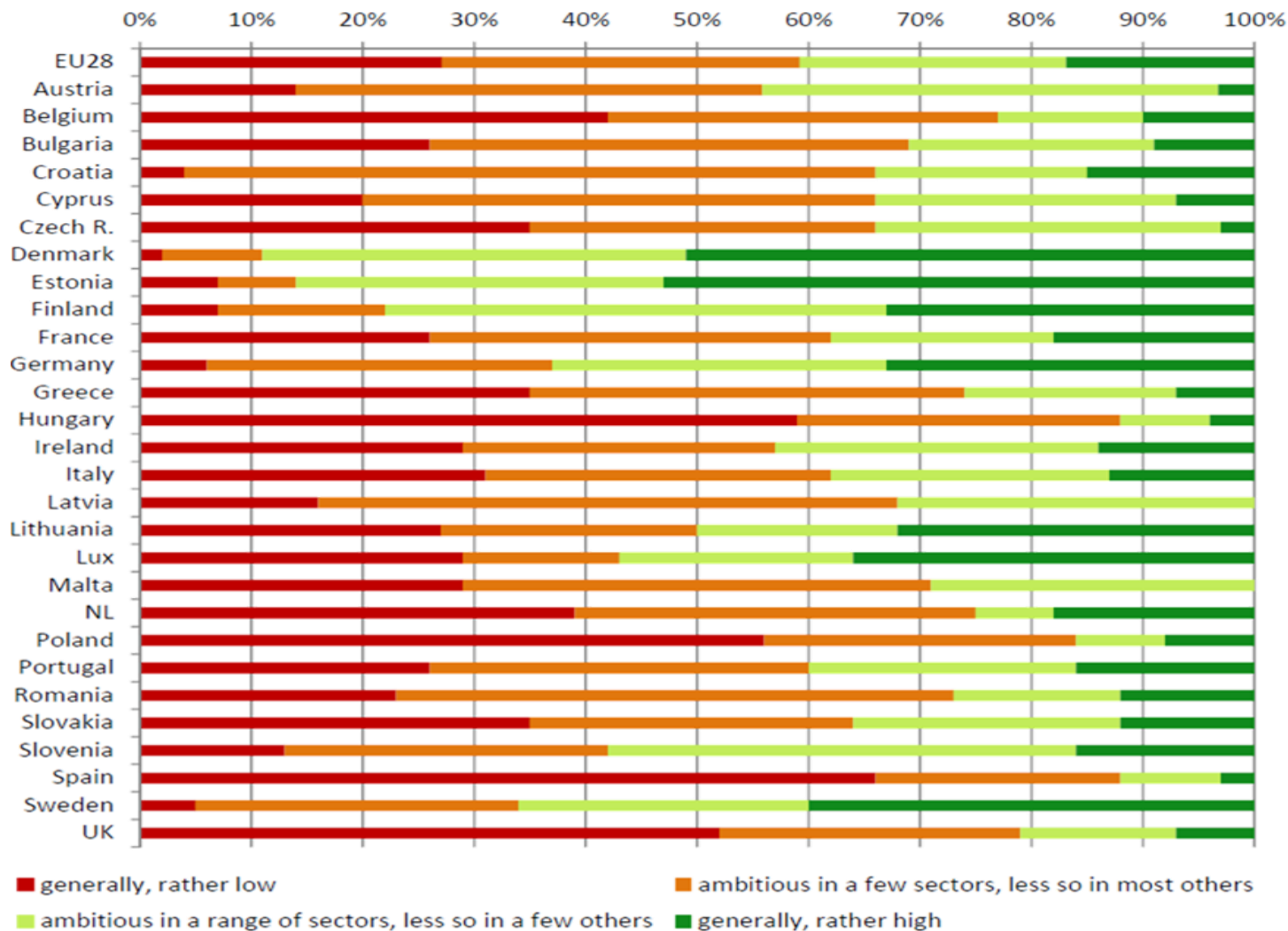
# The EEW expert survey

- What are experts' and other relevant stakeholders' perceptions on "real-life" progress in energy efficiency policies in their countries over the last 3 years?
- Input from more than **1100** experts from all 28 Member States
  - quantitative survey (questionnaires)
  - qualitative survey (oral interviews)
  - between January and May 2015

# The EEW expert survey

















































EU 28: overall ambition of the energy efficiency policies



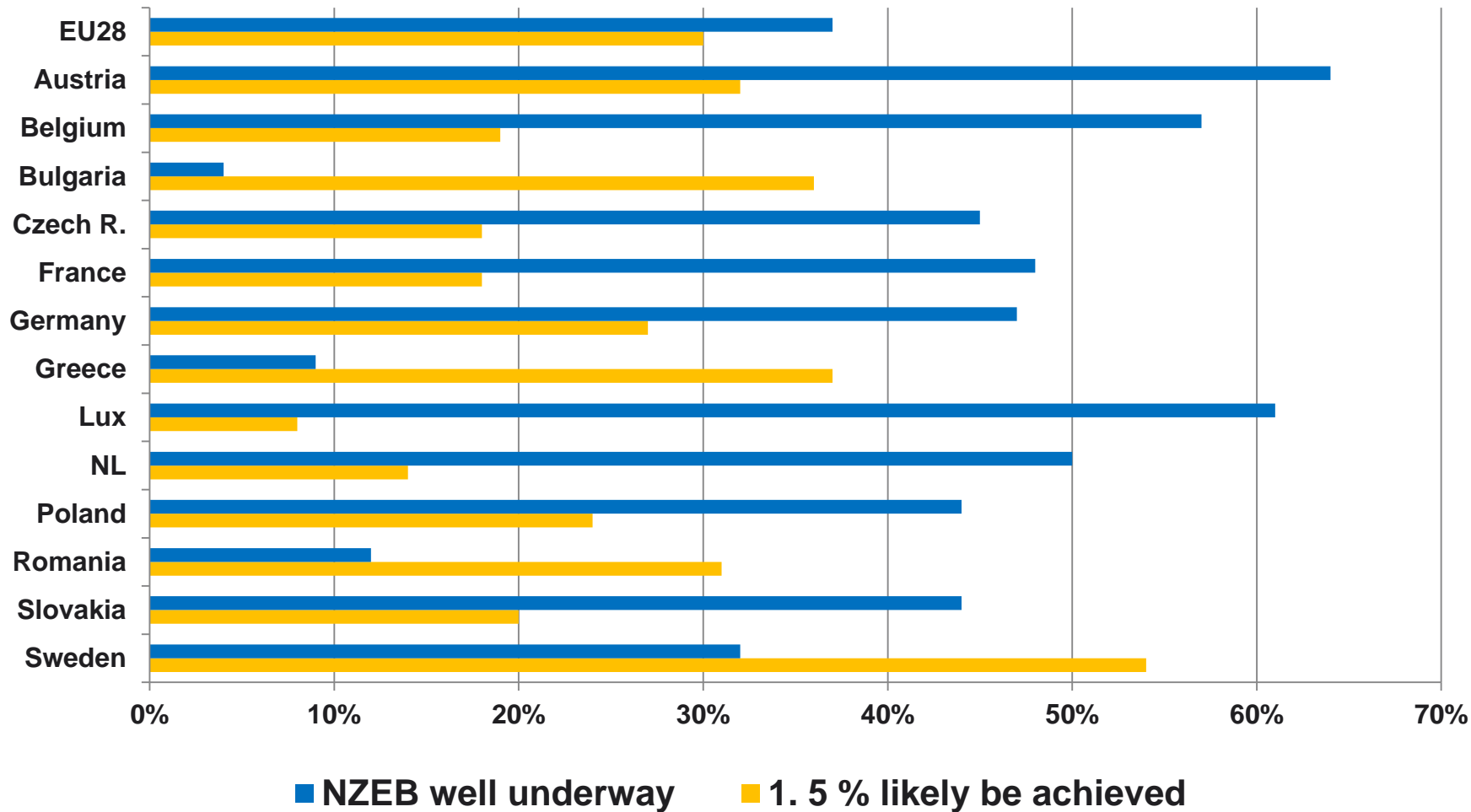
# Progress indicator 2012→2015

## Progress indicator 2015 - Comparison 2012

	Austria	5	13			Italy	13	27	
	Belgium	13	18			Latvia	15	12	
	Bulgaria	23	16			Lithuania	9	18	
	Croatia	10				Lux	10	3	
	Cyprus	5	22			Malta	25	3	
	Czech Rep.	15	25			NL	19	24	
	<b>Denmark</b>	<b>1</b>	<b>2</b>			Poland	22	21	
	<b>Estonia</b>	<b>3</b>	<b>3</b>			Portugal	21	6	
	<b>Finland</b>	<b>2</b>	<b>1</b>			Romania	20	23	
	France	12	10			Slovak Rep.	15	26	
	Germany	5	8			Slovenia	5	7	
	Greece	24	16			Spain	28	15	
	Hungary	26	20			Sweden	4	9	
	Ireland	15	11			UK	27	13	



# Targets and obligations: How well is your country doing?







# EEW Analysis: Policy making

## What has changed 2007–2016

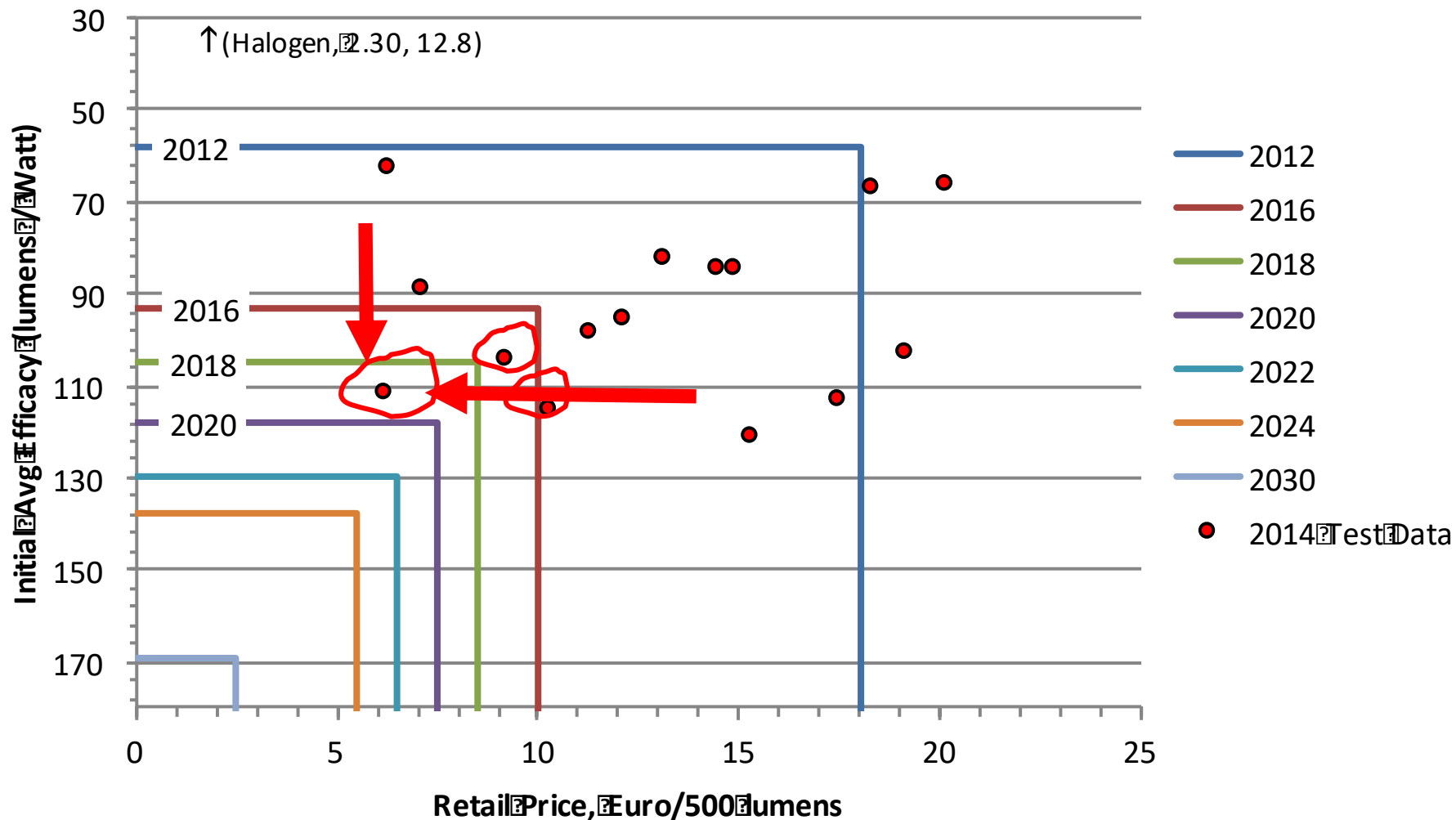
2007	2016
When NEEAP process was started in 2007, hardly any EE policies were around	Today, we have an impressive toolbox of EE policy instruments
Many approaches were still rather theoretical	Many of them are really good practice!
Very few MS had EEOs	Today the majority have or consider EEOs
It was often doubted whether broad EE policies could address complex savings potentials	Decentralised EU approach provides great variety
	→ Yes we can! EU-28 has succeeded in developing good EE policies

# Three examples

1. From policies for “cream skimming” standard cases towards complexity  
→ triggered e.g. by combining auditing and saving obligation
2. New stakeholders evolving: project developers (ESCOs, etc)  
→ Some policy instruments create more dynamics
3. Savings are easier to quantify and with more accuracy  
→ EE policy is coupled e.g. with smart metering



# LED lamps developed much faster than ecodesign predicted





What we need?

**Visions**

**Ambitions**

**Courage**

**Skip the obsession with cost optimality**

**There are new low hanging fruit on the tree every year!**

**Thank You!**

[www.eceee.org](http://www.eceee.org)  
[nils@eceee.org](mailto:nils@eceee.org)