



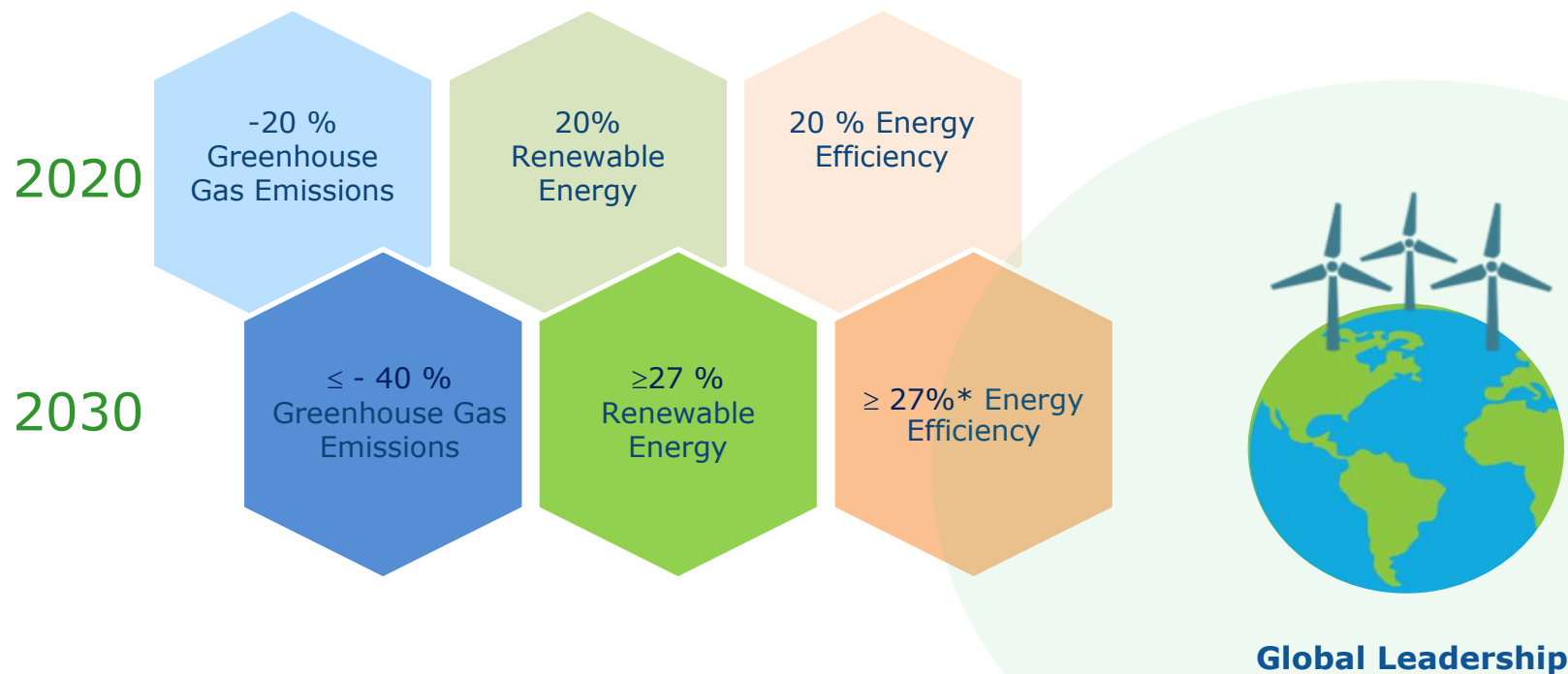
Heating and Cooling Workshop

7th February 2017
IEA - Paris

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C1 - Renewables and CCS Policy
European Commission – DG ENERGY

Introduction and Context

October 2014: European Council Agreement on Climate and Energy objectives 2030



Commission's 10 Priorities – Ambition to Become Global Leader in Renewables

Introduction and Context

More than **1 million people** work in the renewable energy sector



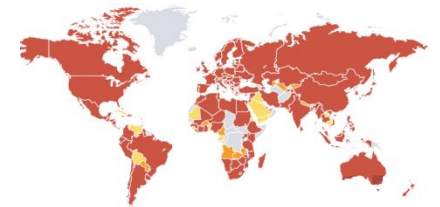
Reduced **dependence on fossil fuels** and **energy imports**: cut fossil fuels use by the equivalent of **Poland's entire** annual energy **consumption**



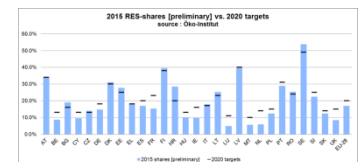
Renewables are becoming **affordable**: 80% decrease of **PV panel prices** in 5 years



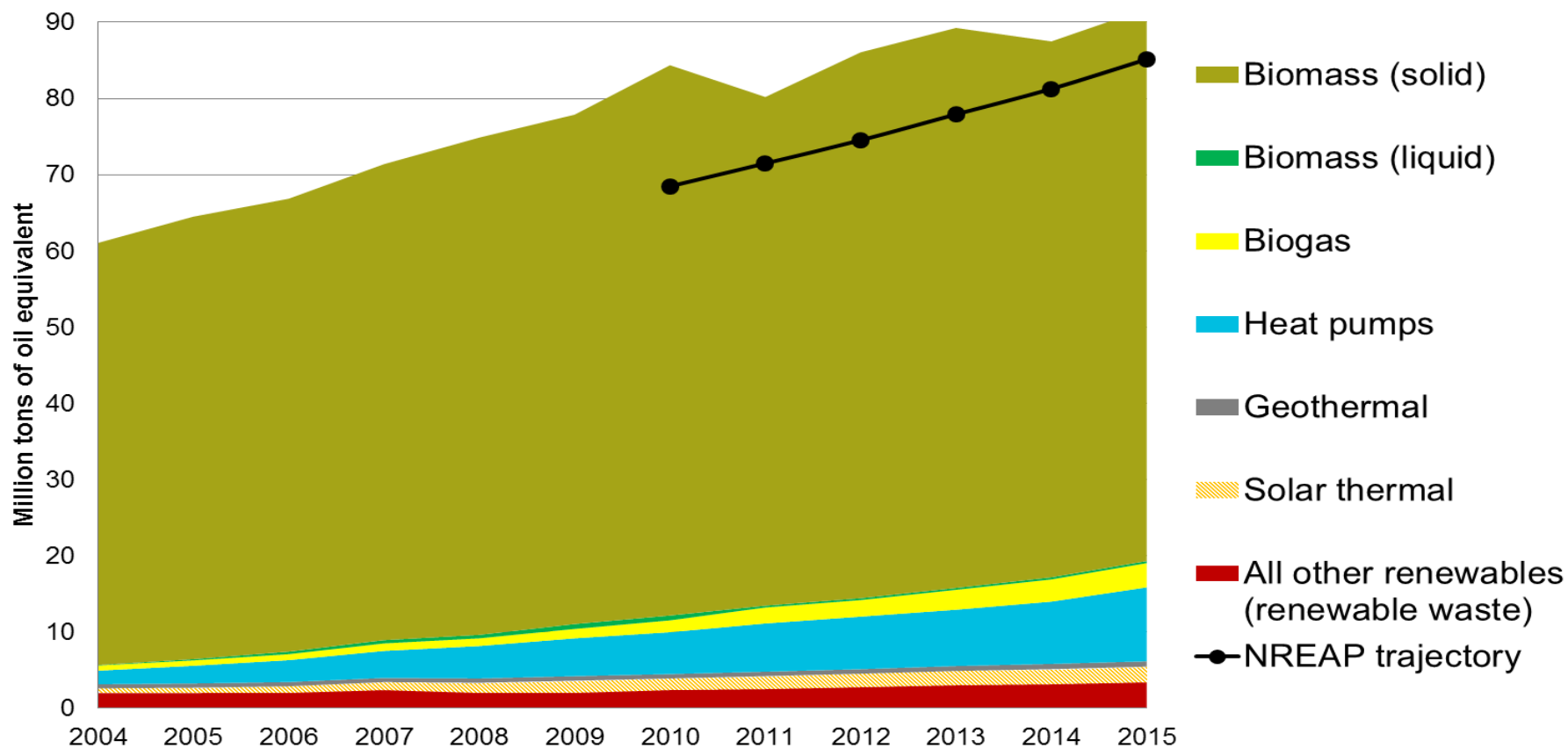
European leadership: in 2016 **173 countries** have renewable energy targets



With an estimated renewable energy share of 16.4% of gross final energy consumption in 2015 the **EU is on track to meet the 2020 target**

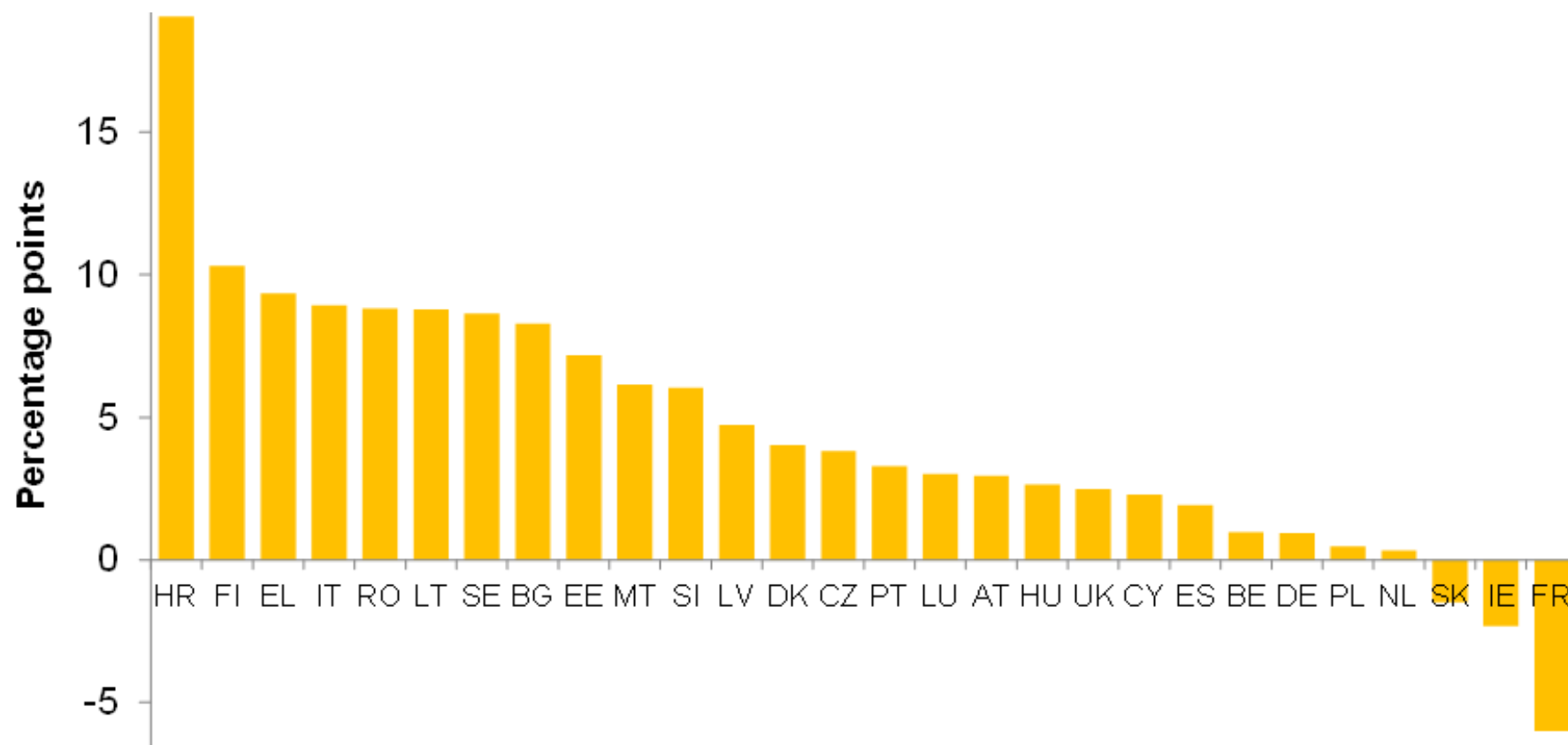


RES-H&C – State of play



EU-28 renewable heating and cooling production by source
source: EUROSTAT, Öko-Institut

RES-H&C – State of play

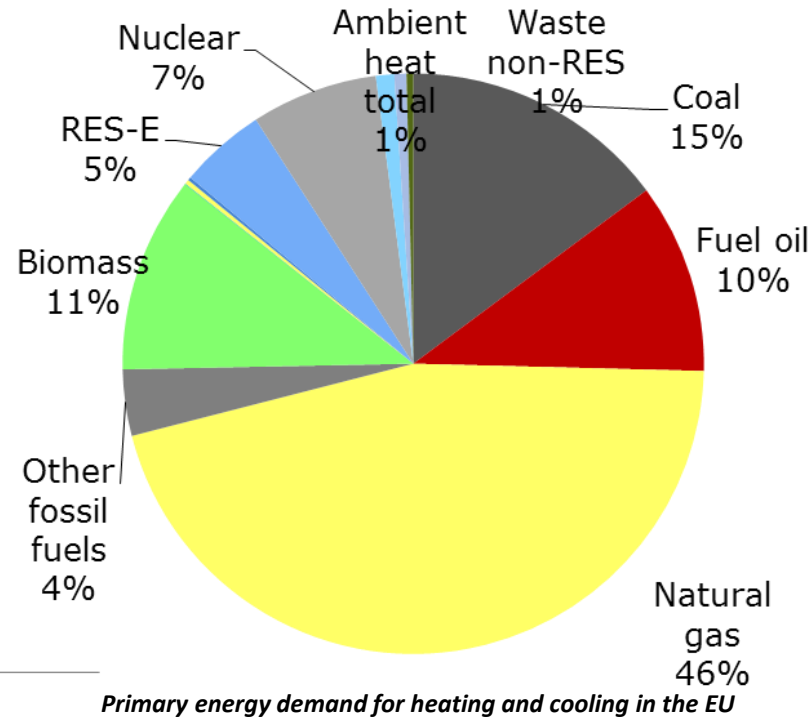


Deviation of approximated 2015 deployment from 2015 planned NREAP trajectory
source : Öko-Institut

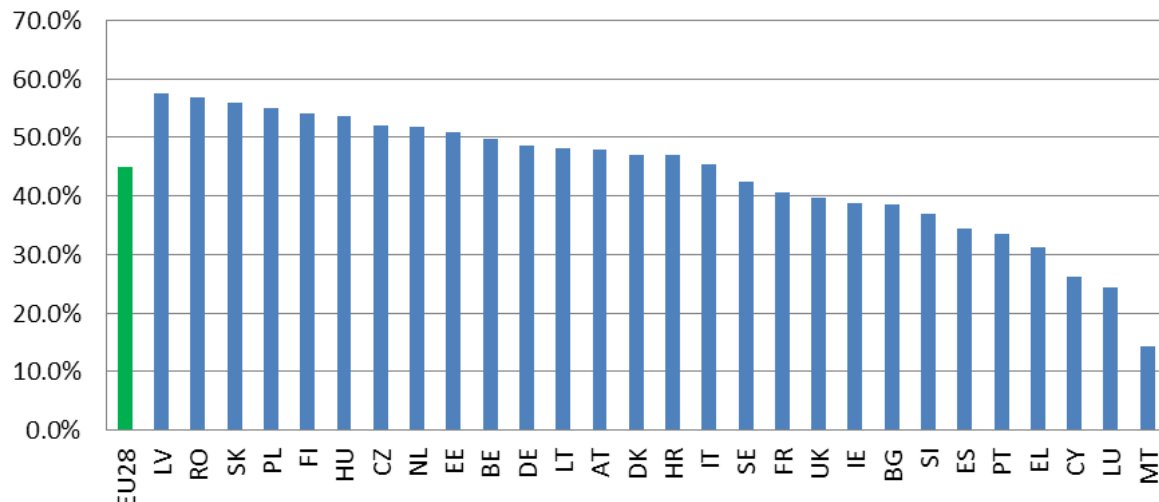
RES-H&C – What Is At Stake?

Why act at EU-level ?

- $\approx 50\%$ energy consumption
- 18% RES today => 27% in 2030
- 68% of the EU's gas imports
- Risk of missing target if no action



Share of heating and cooling in Gross Final Energy Consumption



**Essential yet
fragmented sector**

PROPOSAL: Addressing the Untapped Potential of Heating & Cooling

New Articles

Article 23

- MS "shall endeavour to increase" the share of RES-HC by 1pp/year
- Flexibility on the measures
- Flexibility on implementing entities
- Possible combination with EED Art 7

Article 24

- Consumers' information on DHC energy performance and RES share
- Consumers can disconnect, if they can achieve a higher performance, or switch within the DHC system to RES/waste heat suppliers
- Opens DHC for RES/waste energy suppliers

Revisions

Article 2 (definitions)

introduction of ambient heat and waste heat

Article 15 (reg. and codes)

- Reinforcement of RES-HC in planning & building
- Minimum levels of RES in buildings + link with EPBD
- Easier technical requirements

Article 20 (grid operation)

DHC deployment, RES integration

Article 26 to 28

bioenergy sustainability criteria



THANK YOU!

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