



Meeting multiple transition challenges in Europe

Ozone2Climate Industry Roundtable



1
August
2022

The voice of the RACHP sector in Europe



- Full Value Chain of Refrigeration, Air Conditioning and Heat Pump Industry
- Small – medium – large companies
- National and sectoral associations
- Over **200,000 direct employees**, over €30bn turnover in Europe
- Main activities:
 - Promote **Decarbonisation** of Heating & Cooling
 - Ensure responsible management of all types of **Refrigerants**
 - Advise on **Eco-design and -labelling**



Corporate members



Association members



EPEE Members make the full product range of refrigeration, air conditioning and heat pump equipment, including ...



Residential Heat Pumps, e.g. hydronic



Air/Air Heat Pumps for residential and commercial use



Large AC and heat pumps (chillers, VRFs, rooftops, ...)



Commercial Refrigeration



Industrial Refrigeration



Transport Refrigeration



EU F-Gas Regulation – a great success story

2006 Original EU F-Gas Regulation

- Control and containment of F-Gases. Training and certification.

2014 Revised F-Gas Regulation (legislation currently in force)

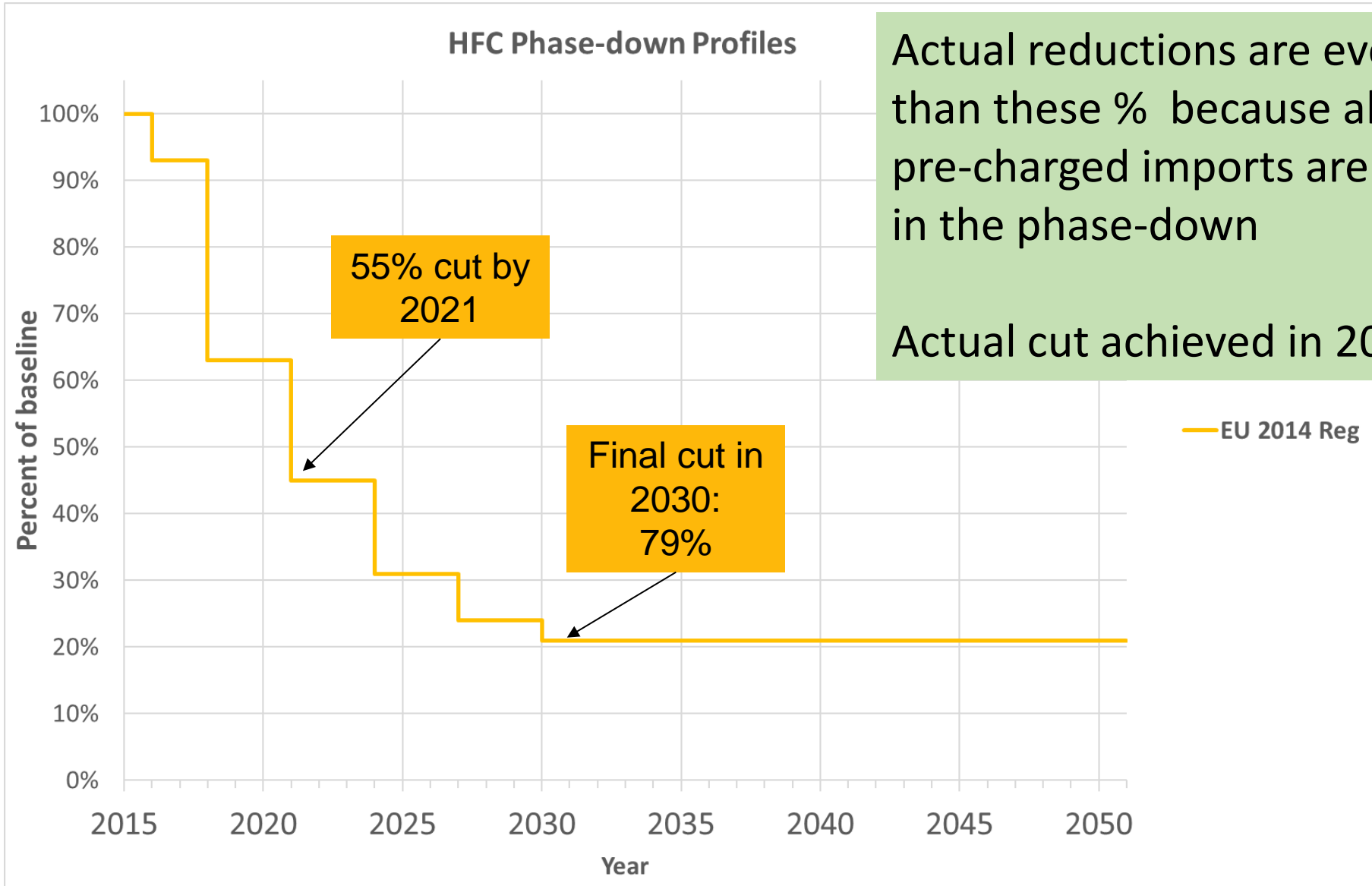
- HFC Phase-down and bans for placing on the market and use
- HFC consumption already reduced by 55% in 2021

2022 Proposal for Revision of the 2014 F-Gas Regulation

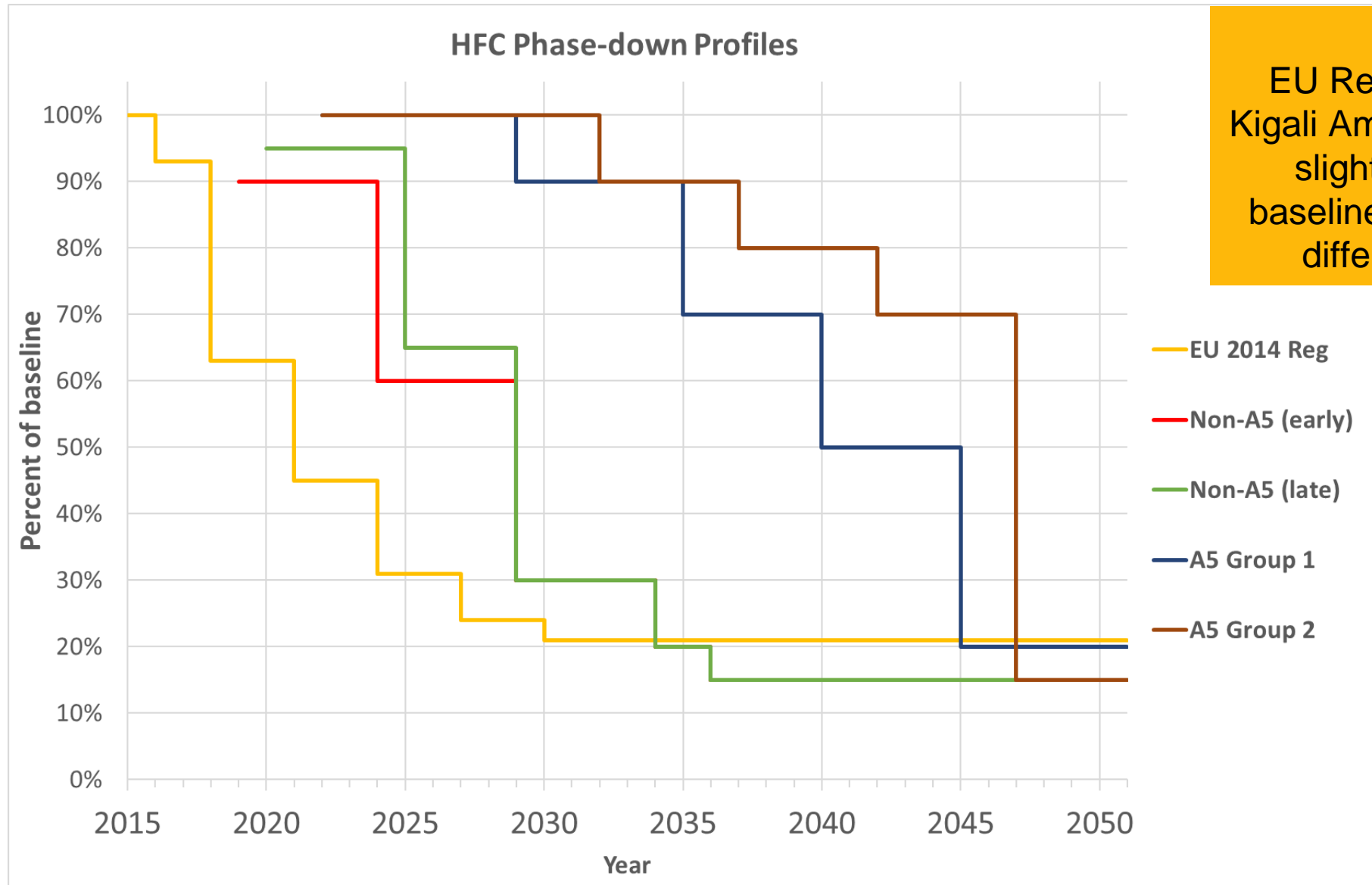


HFC Phase-down schedule – current EU Regulation

Baseline:
Average
2009-2012



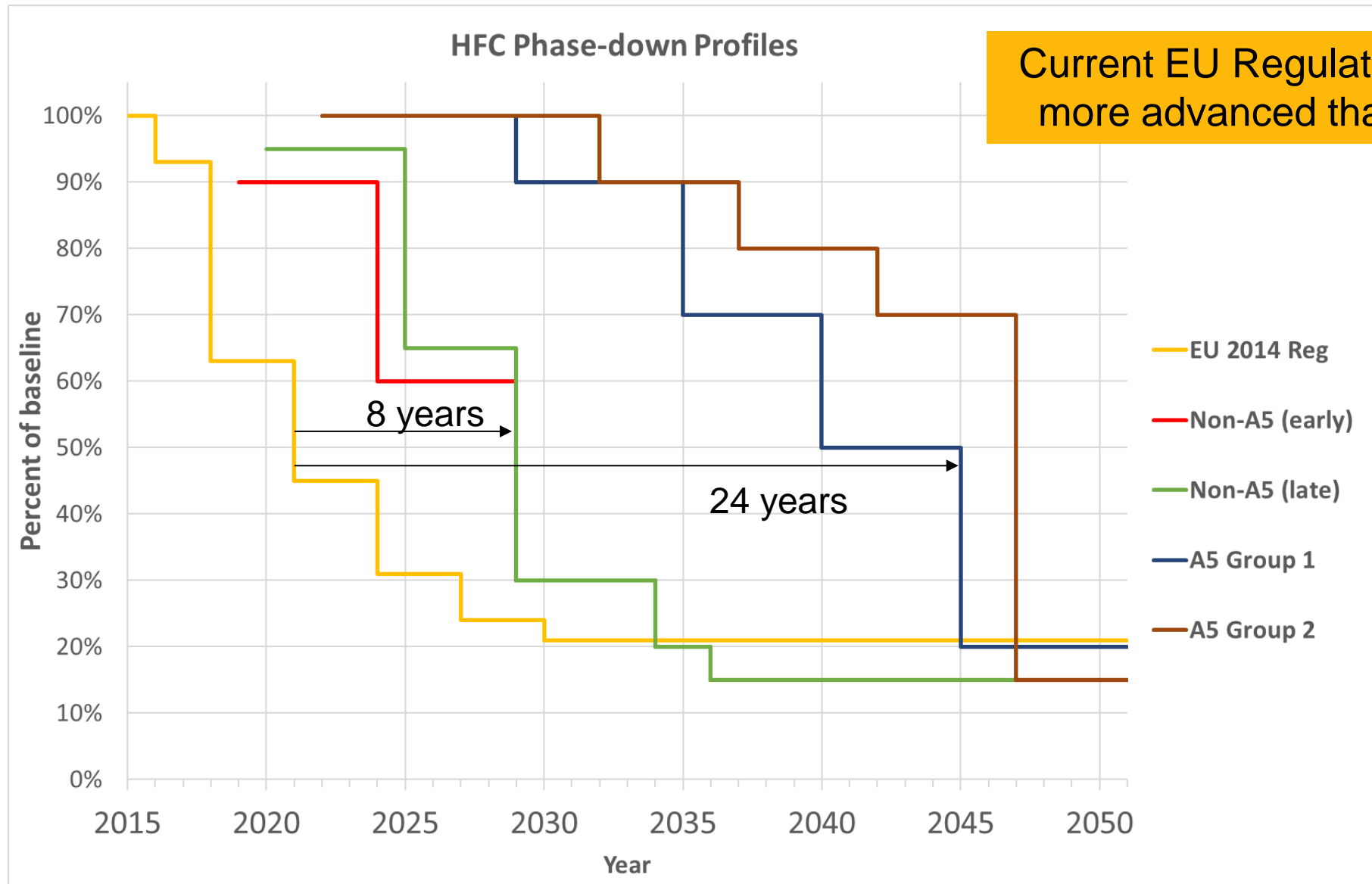
Current EU Regulation compared to Kigali



Note:
EU Regulation and Kigali Amendment have slightly different baselines and slightly different scope



Current EU Regulation compared to Kigali



EU Commission Proposal

Much faster and more ambitious phase-down

- 75% cut by 2024
- 90% cut by 2027
- 95% cut by 2030

MDIs now also subject to phase-down

- were exempted from 2014 Regulation

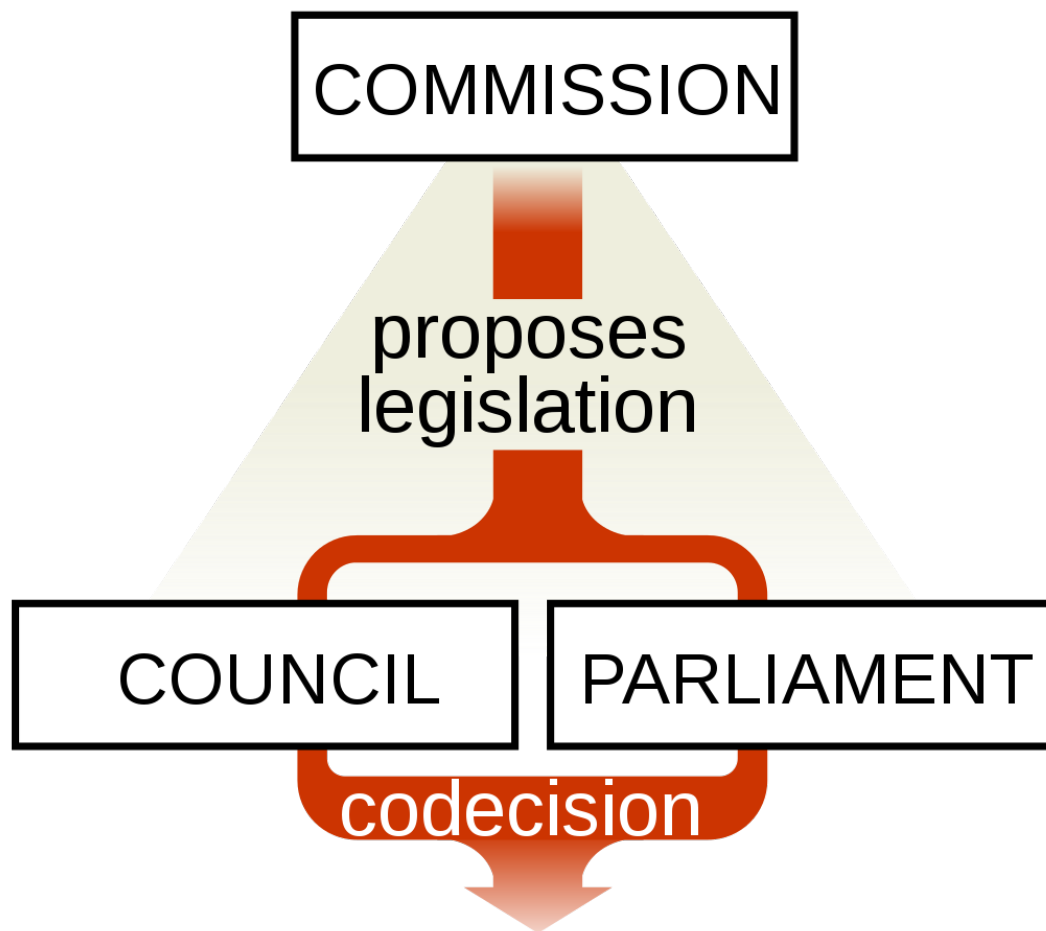
A number of new bans proposed

New enforcement measures to prevent illegal imports

HFOs included in containment and certification measures



EU Legislative Process



5 April 2022: European Commission proposes EU F-Gas Regulation Revision

EU Council and European Parliament codecision procedure expected to last into Q1/Q2 2023



Formal adoption of final legislation expected end-2023

Striking the balance between HFC phase-down and **EPEE**

2030 EU Climate and Energy Targets

- 55% Greenhouse Gas reduction target by 2030 (compared to 1990)
- Will require massive decarbonisation of heating and cooling which makes up roughly half of the EU's energy emissions)

REPowerEU: Action Plan to achieve EU independence from fossil fuel imports

- 30 million additional heat pumps by 2030, which roughly doubles the current yearly installation rate

The refrigerant transition must consider that by far the biggest contribution of our industry to the green energy transition is to move heating and cooling away from fossil fuel use and towards efficient heat pump equipment based on fossil-fuel-free electricity.



Striking the balance between HFC phase-down and accelerating sustainable heating and cooling

