



Reducing the consumption of fluorinated greenhouse gases in the EU

Implications for the Global HCFC Phase-out

UNIDO ATM0shere – Vienna, 3 June 2013

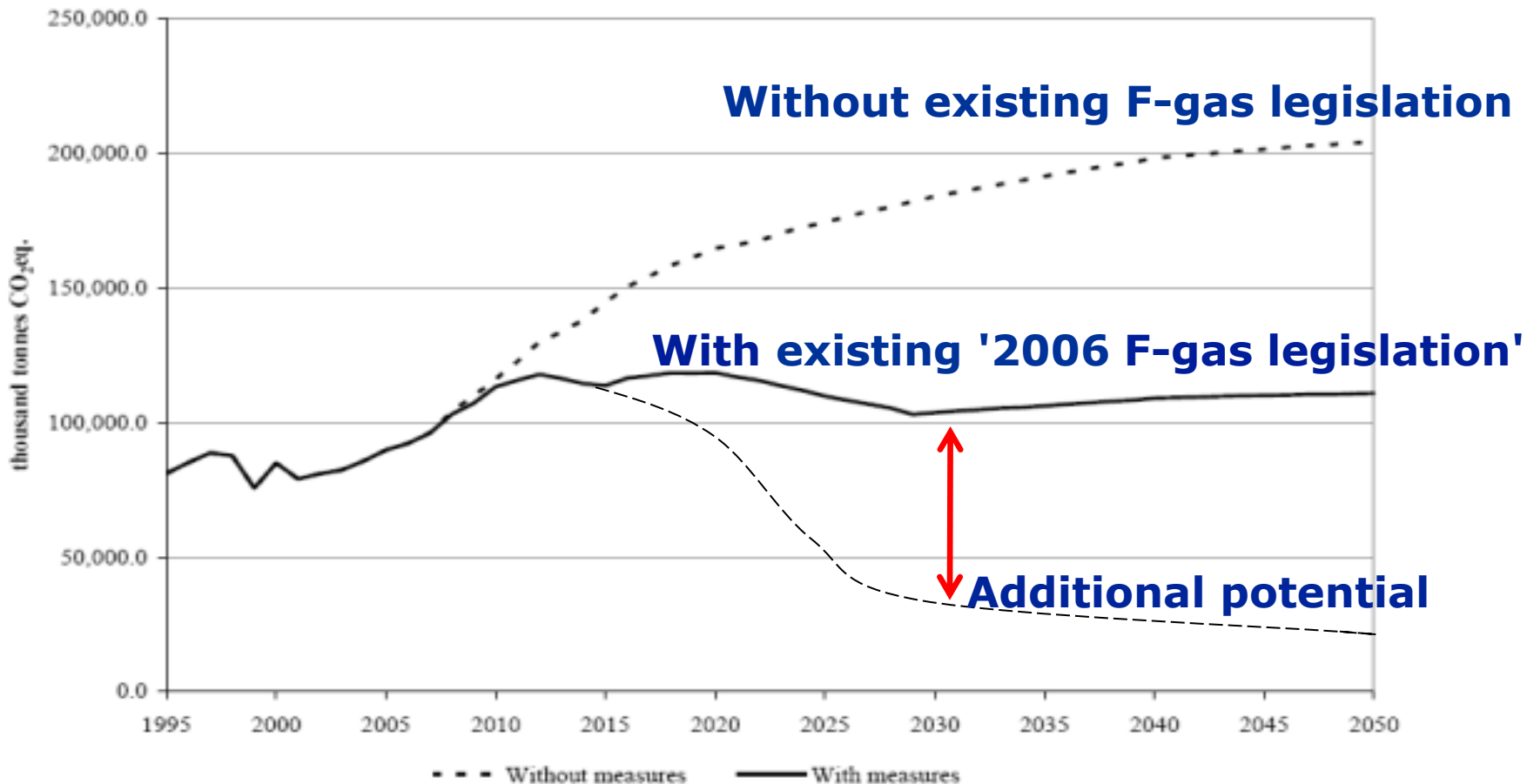
HCFC phase-out: History for the EU!

- No HCFC consumption since 2010
- Since 2000 progressive ban on uses, as of 2015 also servicing with recycled/reclaimed HCFC will be banned

BUT: Massive Phase-in of HFCs!

- EU F-gas (HFCs, PFCs and SF6) emissions increased by 60% and HFCs by 300%
- First EU Regulation on fluorinated greenhouse gases adopted in 2006
- By 2030 F-gas emissions can be reduced by two-thirds. Low GWP alternatives are available for most F-gas applications

Scenarios EU F-gas emissions



Two strategies to reduce greenhouse gas emissions

- **Prevent leakage** and ensure proper end of life treatment of products and equipment
- **Avoid the use** of F-gases with GWP where alternatives result in lower life cycle GHG emissions, without compromising safety and functionality

Revision of the EU F-gas regulation: Main elements of the Commission proposal*

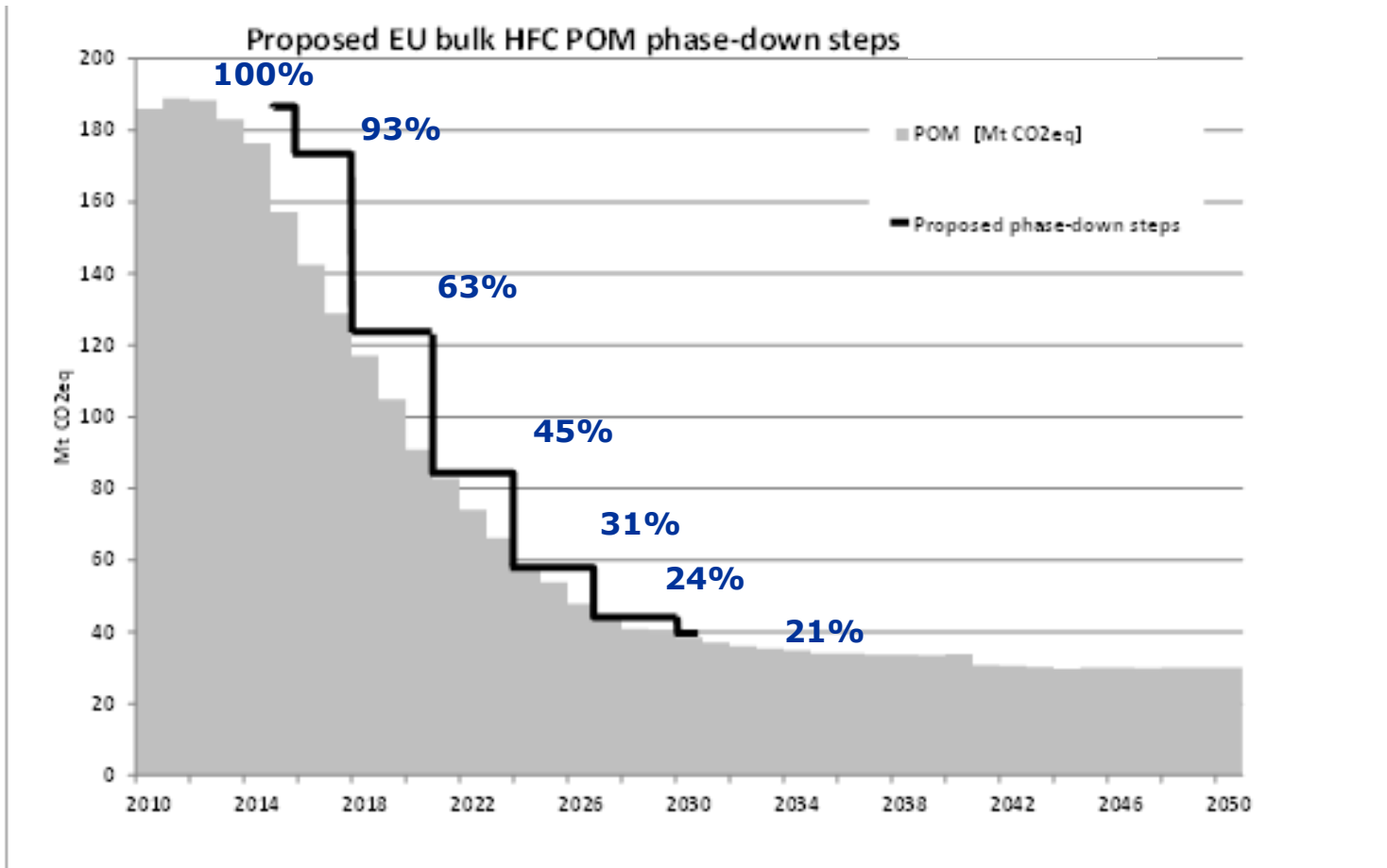
- HFCs, SF6 and PFCs covered (HFEs and HFOs reporting)
- Containment measures (leak checks, training)
- Prohibitions of new F-gas equipment/products
- **Phase-down of HFCs**

** The European Commission proposes EU legislation. The European Parliament and the Council of the European Union adopt EU legislation.*

HFC phase-down – the main novelty

- Scope: HFC bulk placed on the EU market
- Freeze 2015, first step 2016, reduction of HFC supply by 79% in 2030
- Baseline: Average quantities reported 2008-2011
- How: Quota allocation based on historical sales and new entrants reserve
- Monitoring: Independently verified reports

Phase-down: reduction of HFC supply



Quantities in Mt CO₂eq based on 2010 data, for illustrative purposes only, not part of the proposed legislation

Proposed bans

1. Addressing non-HFCs and by-production (e.g. mandatory destruction of HFC-23)
2. Signposts steering the HFC phase-down (e.g. ban to service existing equipment with high GWP HFCs)
3. Safeguarding integrity of phase-down (filling non-sealed equipment on site and bans on some **new** sealed HFC-equipment)

EU F-gas proposal next step: Adoption

European Parliament
754 Members
directly-elected



Council of the EU
Ministers from the 27
EU Member States



Proposal in the EU legislative procedure

Implications for the Global HCFC Phase-out

- EU demand for alternative technologies spurs innovation and economies of scale also in other markets
- Reduces costs of a global phase-out of HCFCs that maximises its climate benefits
- Contributes to reaching an international agreement on reducing HFC emissions

How can the Multilateral Fund support a transition to climate friendly alternatives?

To know more...

http://ec.europa.eu/clima/policies/f-gas/legislation/docs/com_2012_643_en.pdf

Thank you for your attention!