

# DIRECTIVES AND REGULATIONS

*Dina Koepke*

*Brussels, 25th January 2019*

# AGENDA

1. EED, RED, Governance Regulation published
2. Machinery Directive Review
3. BREXIT – 3rd Party Conformity Assessment
4. EU Regulations & Harmonized Standards
5. HFCs placed onto the market within the EU
6. HFC Roadmap / Gapometer Ray Gluckman / EPEE
7. Price Monitoring HFCs Oeko-Recherche

# ENERGY EFFICIENCY DIRECTIVE

## DIRECTIVE (EU) 2018/2002



***NEW EU (NON-BINDING) ENERGY EFFICIENCY TARGET FOR 2030 OF AT LEAST 32.5%, WITH AN UPWARDS REVISION CLAUSE BY 2023***

***THE ANNUAL ENERGY SAVING OBLIGATION HAS BEEN EXTENDED BEYOND 2020***

***MEMBER STATES NEED TO HAVE TRANSPARENT, PUBLICLY AVAILABLE NATIONAL RULES ON THE ALLOCATION OF THE COST OF HEATING, COOLING AND HOT WATER CONSUMPTION IN MULTI-APARTMENT AND MULTI-PURPOSE BUILDINGS WITH COLLECTIVE SYSTEMS TO PROVIDE SUCH SERVICES***

# RENEWABLE ENERGY EFFICIENCY DIRECTIVE (EU) 2018/2001



***NEW EU (BINDING) RENEWABLE ENERGY TARGET FOR 2030 OF AT LEAST 32%, WITH AN UPWARDS REVISION CLAUSE BY 2023***

***BETTER DESIGN AND STABILITY OF SUPPORT SCHEMES FOR RENEWABLES***

***INTRODUCES A CLEAR AND STABLE REGULATORY FRAMEWORK ON SELF-CONSUMPTION***

***INCREASES THE LEVEL OF AMBITION FOR THE TRANSPORT AND HEATING/COOLING SECTORS***

***IMPROVES THE SUSTAINABILITY OF THE USE OF BIOENERGY***

# GOVERNANCE REGULATION REGULATION (EU) 2018/1999



***PROMOTES LONG-TERM CERTAINTY AND PREDICTABILITY FOR INVESTORS AND ENSURES THAT EU AND MEMBER STATES CAN WORK TOGETHER TOWARDS ACHIEVING THE 2030 TARGETS AND THE EU'S INTERNATIONAL COMMITMENTS UNDER THE PARIS AGREEMENT***

***CALLS FOR EACH MEMBER STATE TO PREPARE A NATIONAL ENERGY AND CLIMATE PLAN FOR THE PERIOD 2021 TO 2030***

***ALIGNS THE FREQUENCY AND TIMING OF REPORTING OBLIGATIONS DERIVING FROM THE ENERGY UNION AND THE PARIS CLIMATE AGREEMENT, SIGNIFICANTLY ENHANCING TRANSPARENCY AND REDUCING THE ADMINISTRATIVE BURDEN***

# MACHINERY DIRECTIVE REVIEW STARTED

***THE MACHINERY DIRECTIVE NEEDS UPDATING TO IMPROVE SAFETY LEVELS FURTHER AND TAKE ACCOUNT OF THE LATEST IT INNOVATIONS. THE PROPOSED REVISION:***

- ALIGNS THE DIRECTIVE WITH EU HARMONISED LEGISLATION ON PRODUCT HEALTH AND SAFETY, AND
- TACKLES THE CHALLENGES THAT MAY ARISE FROM TECHNICAL PROGRESS IN DIGITISATION.
- **FEEDBACK PERIOD 14.1.2019 – 11.2.2019**

[HTTPS://EC.EUROPA.EU/INFO/LAW/BETTER-REGULATION/INITIATIVES/ARES-2018-6426989\\_EN](https://ec.europa.eu/info/law/better-regulation/initiatives/ares-2018-6426989_en)

# BREXIT WITHDRAWAL DATE

***AS FROM THE WITHDRAWAL DATE, A MANUFACTURER OR IMPORTER ESTABLISHED IN THE UNITED KINGDOM WILL NO LONGER BE CONSIDERED AS AN ECONOMIC OPERATOR ESTABLISHED IN THE UNION.***

***IN SOME PRODUCT AREAS, UNION LEGISLATION REQUIRES THE INTERVENTION OF A QUALIFIED THIRD PARTY (NOTIFIED BODY), IN THE CONFORMITY ASSESSMENT PROCEDURE. AS FROM THE WITHDRAWAL DATE EITHER APPLY FOR A NEW CERTIFICATE ISSUED BY AN EU-27 NOTIFIED BODY OR ARRANGING FOR A TRANSFER.***

# BREXIT

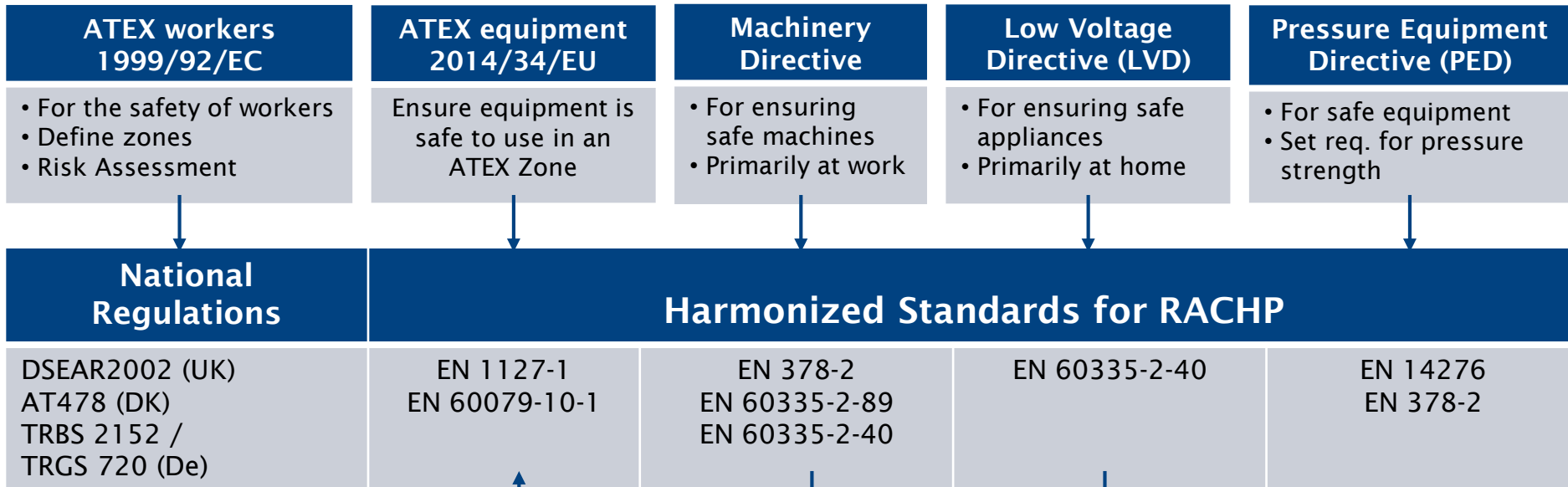
## UNION LEGISLATION 3RD PARTY

*GENERAL PRODUCT SAFETY / ROHS / WEEE / BATTERIES AND WASTE BATTERIES / APPLIANCES BURNING GASEOUS FUELS / **ECODESIGN REQUIREMENTS FOR ENERGY-RELATED PRODUCTS** / SIMPLE PRESSURE VESSELS / **LVD** / **MD** / **EMC** / MEASURING INSTRUMENTS / RED RADIO EQUIPMENT / **PED** / EQUIPMENT AND PROTECTIVE SYSTEMS INTENDED FOR USE IN POTENTIALLY EXPLOSIVE ATMOSPHERES / PERSONAL PROTECTIVE EQUIPMENT / ENERGY LABELLING*

[HTTPS://EC.EUROPA.EU/INFO/SITES/INFO/FILES/FILE\\_IMPORT/INDUSTRIAL\\_PRODUCTS\\_EN\\_1.PDF](https://ec.europa.eu/info/sites/info/files/file_import/industrial_products_en_1.pdf)



# EU REGULATIONS & HARMONIZED STANDARDS

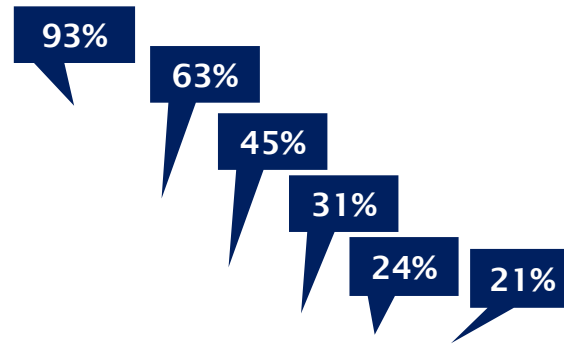


Harmonized Standard are:  
Not a Law, Not Mandatory  
Not a Design guideline

**But It is a Presumption of Conformity**

MD and LVD usually refer to ATEX equipment standard for safety

# HFCs PLACED ONTO THE MARKET EEA REPORT 2018



**ADDITIONAL:**

**CHEMOURS  
ANALYSED  
SALES DATA  
2018 AND  
ASSUMED **22.5M**  
TONS CO<sub>2</sub> EQ.  
OF ILLEGAL  
IMPORTS**

**RESULTING IN  
**137.5M** TONS  
CO<sub>2</sub> EQ.**

# HFC ROADMAP / GAPOMETER

## HFC MARKET INTERPRETATION BY R. GLUCKMAN



***Q4 2017 MASSIVE PRICE RISES. POSSIBLE INDICATOR OF SUPPLY SHORTAGES. END 2018 PRICES SOFTENED AND AVAILABILITY DOES NOT SEEM TO BE AN ISSUE. POSSIBLE REASONS?***

- *Faster Uptake Of Low GWP Refrigerants In New Equipment (Chillventa 2018)*
- *Leak Reduction - In Response To High Prices*
- *Faster Rate Of R404A Retrofits, Especially By Supermarkets*
- *Improved Rate Of Reclaim (Visible) And Recycle (Less Visible)*
- *Little Demand For Authorizations, 2015-2016 Sufficient Until 2018-2019*
- *Some Bulk Stock Piling In 2017*
- *Illegal Imports Of Bulk HFCs*

***WE NEED TO UNDERSTAND BETTER WHAT IS HAPPENING IN THE MARKET!***

# HFC ROADMAP / GAPOMETER

## NEW EQUIPMENT BY R. GLUCKMAN



***CHILLVENTA 2018 MASSIVE CHANGES, MANY STANDS HIGHLIGHT LOW GWP REFRIGERANTS***

***CONCLUSIONS NEW EQUIPMENT 2018:***

- *Small AC R32 <3kg*
- *3-12kg moving to R32 for DX air conditioning*
- *AC water chillers lots of HFO models available*
- *Large commercial refrigeration lots of ultra-low GWP*
- *Smallish commercial refrigeration like CU low GWP as well as A2L*
- *MAC in cars and vans: HFOs; R134a for service*

***SUPERMARKETS SELF-SUSTAINABLE, NO R404A FOR NEW EQUIP.***

- *Year 1 bank of 100tons - retire 5% obtain 5tons, retrofit 10% obtain 10tons*

# EPEE ROADMAP / GAPOMETER

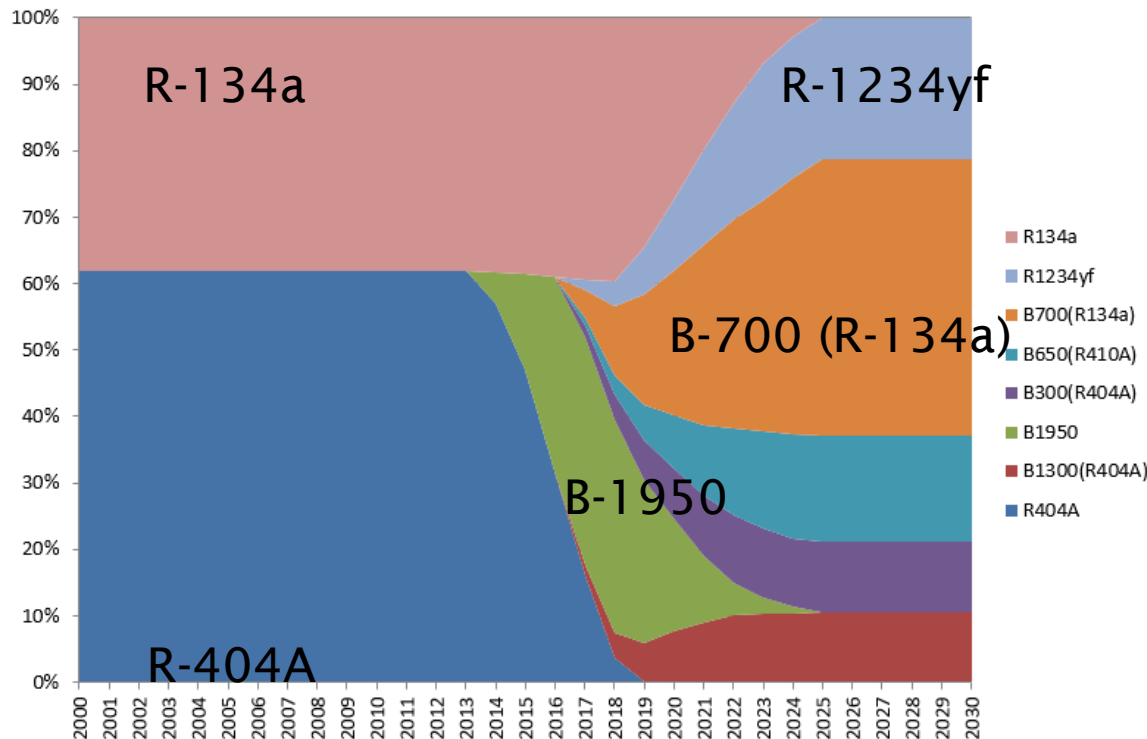
## EXAMPLE CONDENSING UNITS

**EPEE ROADMAP  
WAS PREPARED IN  
2012**

**REGULAR INPUT IS  
NEEDED FOR  
UPDATES**

**PLEASE CONTACT:  
[RAY@GLUCKMANCONSULTING.COM](mailto:RAY@GLUCKMANCONSULTING.COM)**

**GasInNewUnits, tonnes, Low Estimate, Commercial  
Refrig, Single condensing units MT**



# HFC PRICE MONITORING OEKO-RECHERCHE



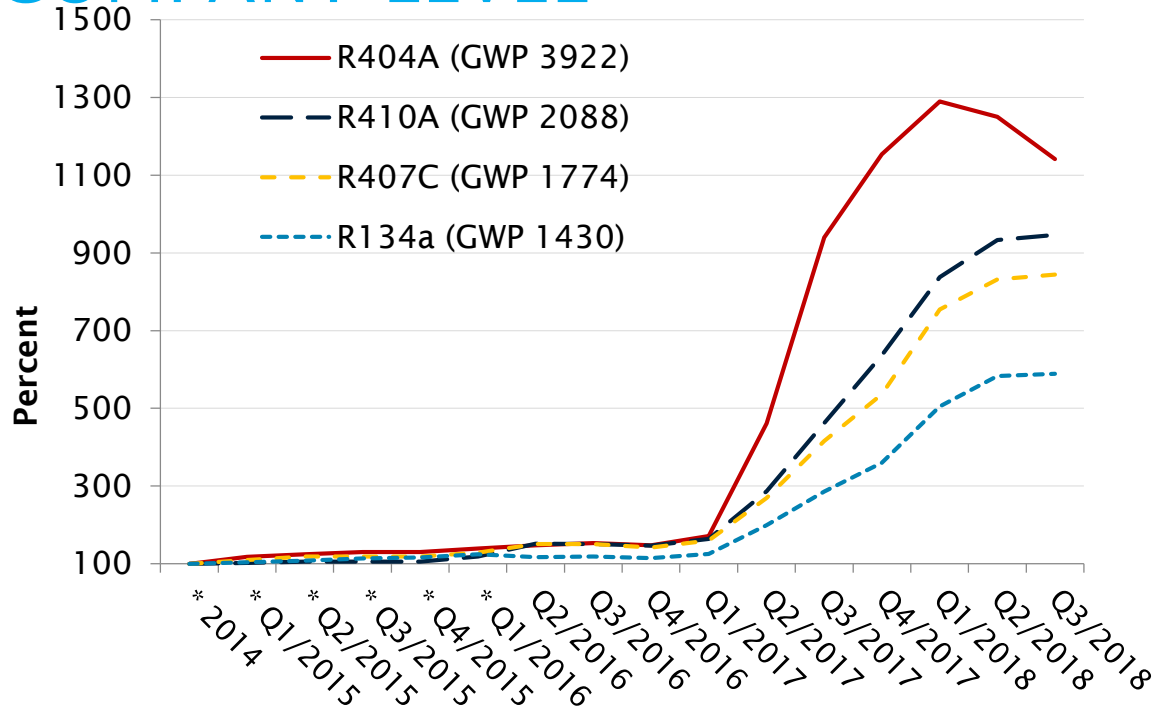
## ***AIM: MONITORING THE PRICE EFFECTS OF THE HFC PHASE-DOWN AT DIFFERENT LEVELS OF THE SUPPLY CHAIN***

- *Commissioned by DG CLIMA, started in mid-2016*
- *Takes into account results from a previous project (2015-2016)*
- *60 -70 companies*
- *End-users not included*
- *Quarterly reports to DG CLIMA*

*(Participating Companies receive an excerpt from the last report (with a three months delay))*

# HFC PRICE MONITORING

## PURCHASE PRICES AT SERVICE COMPANY LEVEL

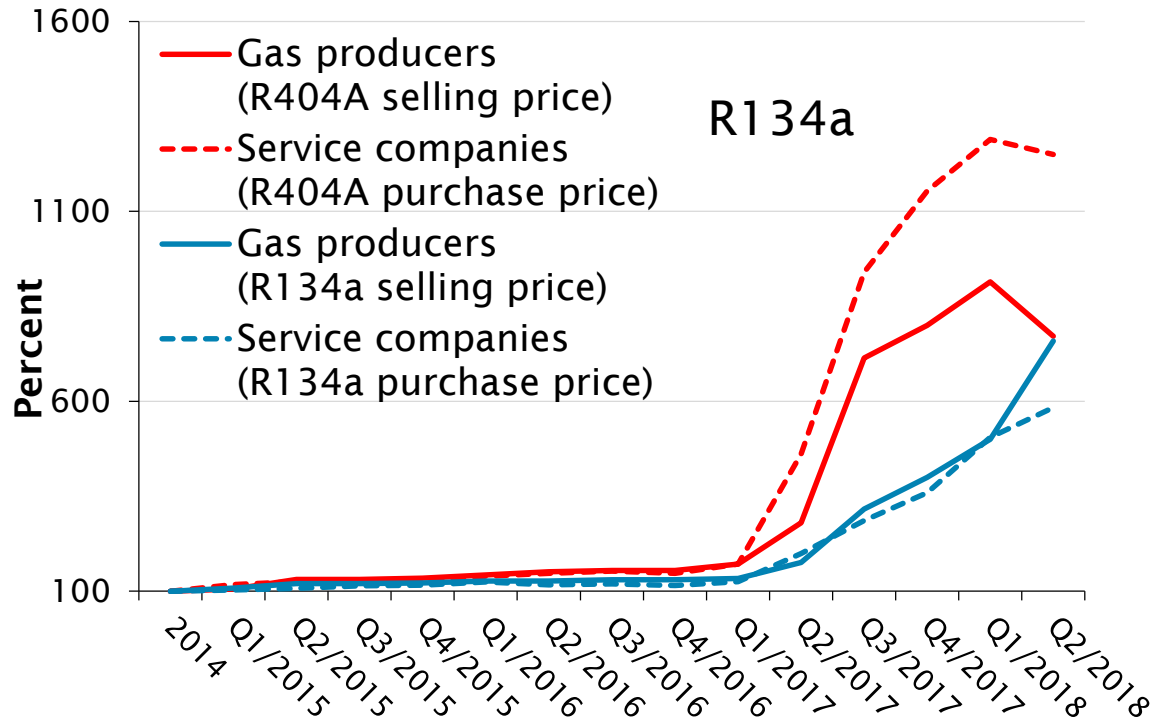


**PRICE INDEX, 2014  
= 100 %**

**SOURCE: OEKO-  
RECHERCHE (2018)  
ON BEHALF OF THE  
EU COMMISSION  
(DG CLIMA)**

# HFC PRICE MONITORING

## AVERAGE PRICES R-404A, R-134A



**PRICE INDEX, 2014  
= 100 %**

**SOURCE: OEKO-  
RECHERCHE (2018)  
ON BEHALF OF THE  
EU COMMISSION  
(DG CLIMA)**



# HFC MONITORING



**ROADMAP REGULAR INPUT IS NEEDED FOR UPDATES**

**PLEASE CONTACT: [RAY@GLUCKMANCONSULTING.COM](mailto:RAY@GLUCKMANCONSULTING.COM)**

**OEKO-RECHERCHE LOOKS FOR MORE PARTICIPANTS TO THE F-GAS PRICE MONITORING! CONTACT JULIA KLEINSCHMIDT: [JK@OEKORECHERCHE.DE](mailto:JK@OEKORECHERCHE.DE)**

**OEKO-RECHERCHE WILL BE CONDUCTING A **WEBINAR** ON THE **6<sup>TH</sup>** OF FEBRUARY 2019 **14:00-15:00** ON THE DEVELOPMENT OF REFRIGERANT PRICES FOR THE COMPANIES THAT CONTRIBUTE TO THE PRICE MONITORING SURVEY (DEADLINE 29.1.2019).**

**ARNO KASCHL (DG CLIMA) WILL PARTICIPATE TO THE WEBINAR AND COMPANIES WILL HAVE THE OPPORTUNITY TO ASK HIM QUESTIONS ON THIS OCCASION.**