



Department
for Environment
Food & Rural Affairs

GB F-gas Review

MDIs stakeholder sector group

Introductory meeting

Thursday 5th August 2021

Defra F-gas team – fgas@defra.gov.uk



Department
for Environment
& Rural Affairs

Welcome & Agenda

- Introduction
- Current Regulation – Forecast of F-gas Emissions
- Technical opportunities to reduce MDI emissions
- Policy options that could be considered
- Next steps and future meetings

Introduction

Attendees

- Defra

Jacob Andresen	Head of Domestic Team	Oversight of review process
Samantha Bedry	Domestic Team	Lead contact – RACHP and power sector
Abbie Lee	Domestic Team	Leading contact - MDIs
Shannon Kelly	Domestic Team	
Ollie Bruton	Economic Analyst	Providing analytical support
Kashim Chowdhury	Project Management	

- Environment Agency – [Mladen Vukovic](#)
- Technical expert – Ray Gluckman
- Devolved Administrations (Scottish Government – [Matthew Costello](#);
Welsh Government – [Jamie Thomas](#))
- Other Government Departments

Organisations invited

ABPI	Ethical Medicines Industry Group	MHRA
Aspire Pharma	GSK	NHS England and Improvement
Astra Zeneca	Honeywell	NHS Scotland
Boehringer Ingheim	IPAC	NHS Wales
Chiesi	Kindeva	Novartis/Sandoz
Department of Health	Koura	Sustainable Healthcare Coalition

GB F-gas and ODS Review

Background

- Legal requirement set out in the current F-gas Regulation
- Supporting the UK's net zero commitment

2021/22 – Assessment Report

- Joint, GB-wide assessment report.
- Stakeholder input/engagement and technical evidence on focus areas.

2022 – Legislative proposal and formal consultation

- Agreement on approach for legislation.
- Consultation and legislative proposal.

Introductory meeting

Purpose and role of the sector group

- Provide expertise and experience in relation to MDIs
- Provide evidence and feedback to support assessment of the current F-gas Regulations in relation to MDIs
- Consider the main issues that need to be addressed within this sector
- Feedback on policy development and possible options for future legislation

MDIs

Other considerations

We are aware that there are a number of additional considerations for MDIs, in addition to the F-gas Regulation.

These include:

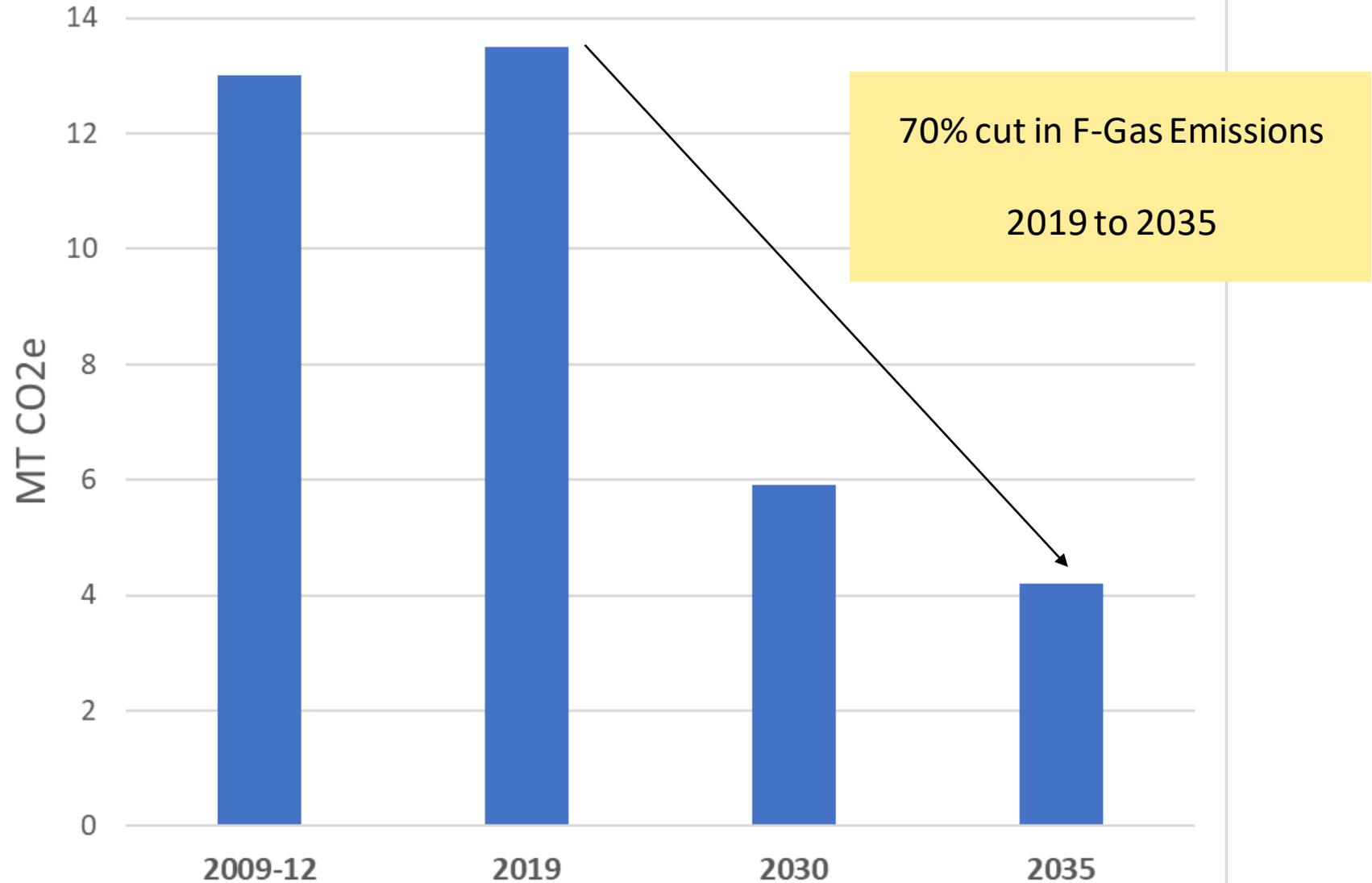
- Costs
- Supply chain
- Competition
- Patient care and choice
- Timeframes

Emissions Forecasts

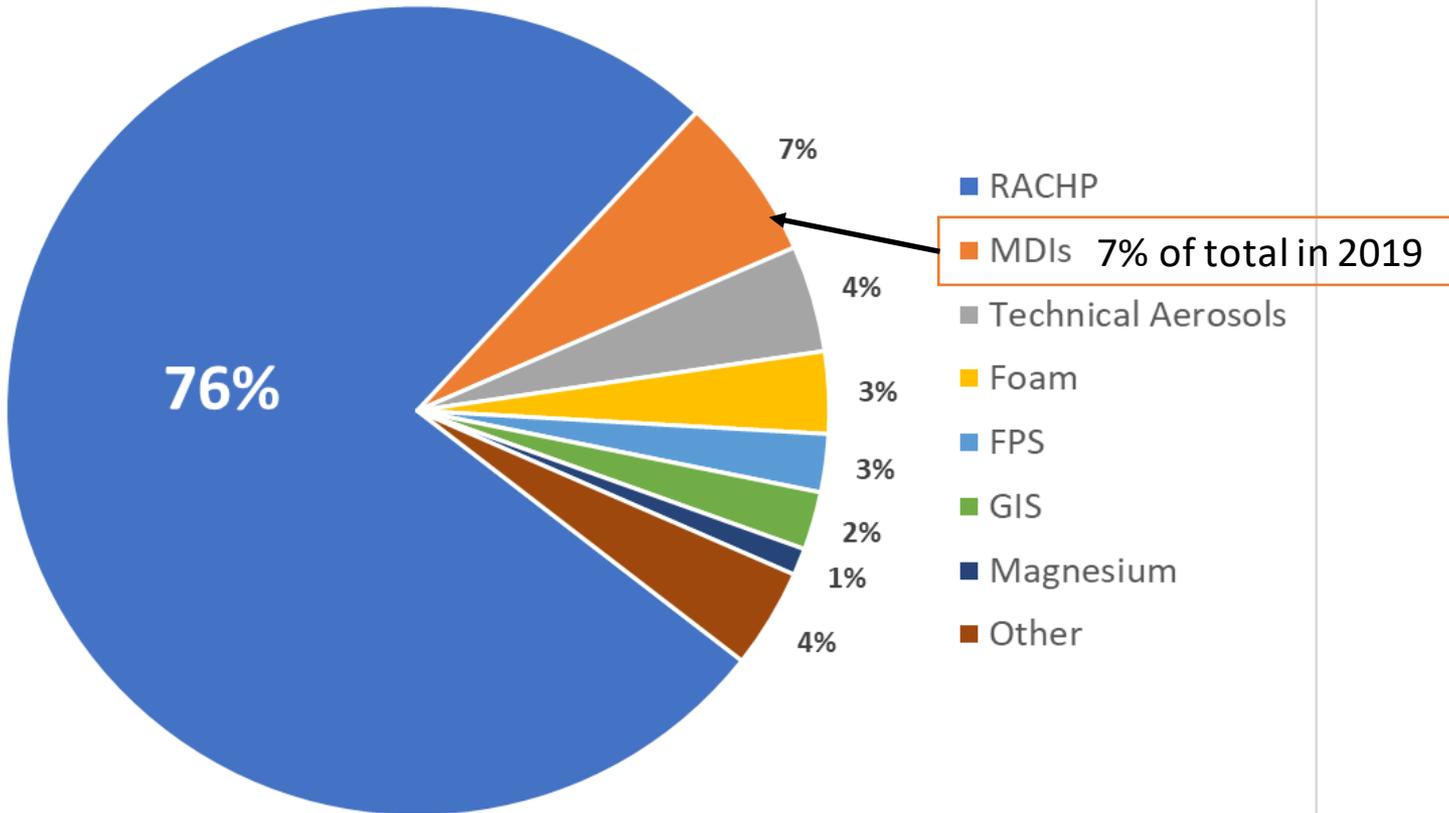
Current F-gas Regulation

- for MDIs, no controls on HFC use
 - forecast assumes slight growth in MDI use 2020 to 2040
 - growing population; more lung disease
- for most other sectors, substantial drop in HFC use expected
 - driven by HFC phase-down
 - and various other measures including bans, mandatory leak testing etc.
- hence MDIs will grow in importance in terms of percentage of total emissions
 - from 7% in 2020
 - to 26% in 2035

Forecast of UK F-Gas Emissions, 2009 to 2035

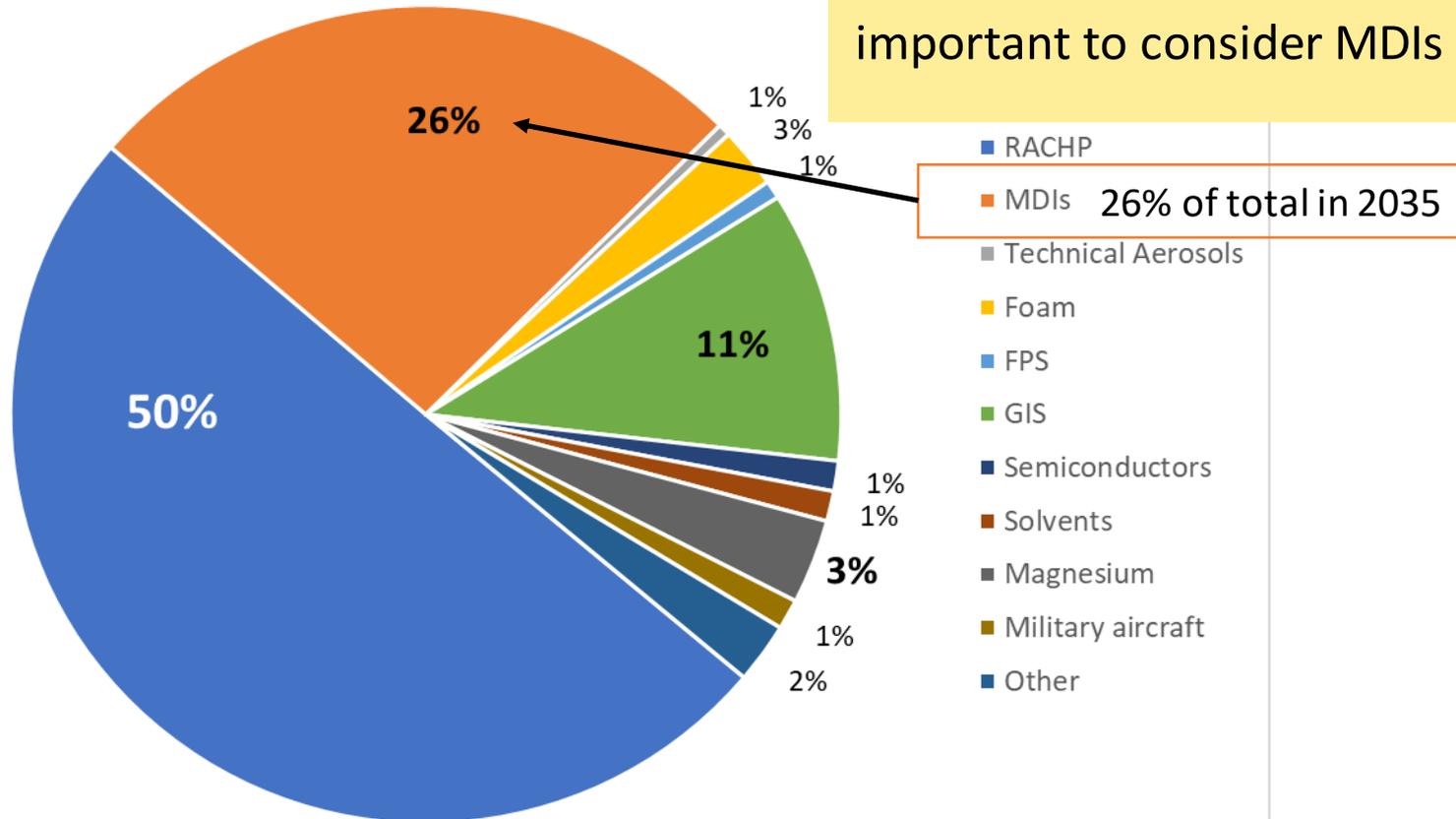


UK F-Gas Emissions 2019, Split by Main Market
% of tonnes CO₂e emitted
Total = 13.2 MT CO₂e



UK F-Gas Emissions 2035, Split by Main Market
% of tonnes CO2e emitted
Total = 4.2 MT CO2e

To maximise future F-Gas emission reduction it is important to consider MDIs



Key Changes Since 2013

MDIs

- MDI exemption from EU HFC phase-down agreed in 2013
 - since that time:
 - greater concern about the climate crisis
 - significant development work on lower GWP MDI propellants
 - Kigali Amendment phasing down HFCs globally
 - as illustrated, without Regulation MDIs become “more visible” in total emissions
 - hence Defra want to explore emission reductions from MDI sector
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Technology Options to Discuss

MDIs sector

- use of lower GWP propellants
 - HFC-152a; HFO-1234ze
 - minimising propellant required (via improved valve design)
 - end-of-life MDI collection, with gas recovery
 - greater use of DPIs
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Policy Options to Discuss

MDIs sector

1) HFC phasedown

- Removal of MDIs exemption from the phasedown

Possible concerns – costs, supply, patient choice/care, timeframes?

Are there other issues to consider if MDIs became part of the quota system?

2) Bans

- Future bans – MDIs with high GWP propellants

Could a ban be helpful to encourage the transition away from high GWP propellants?

Should any other bans on MDIs be considered?

Policy Options to Discuss

MDIs sector

3) Alternatives

- Low GWP propellants
- mechanisms to encourage greater use of DPIs

What are the available alternatives and the impact of these – costs, accessibility, availability, supply, timeframes etc.?

4) Containment – end-of-life

- Producer responsibility
- Recovery
- Recycling, reclamation and destruction

What more could be done to strengthen and encourage end-of-life containment?

Organisation of work

Possible options/points for discussions

1. Continue to meet as a collective and work through the main issues highlighted in the presentation and any others raised.
 2. Break into sub-groups to consider some of the key issues, for instances removal of the exemptions, alternatives, containment.
 3. Frequency of meetings
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Discussion – questions to consider

Concerns if MDIs became subject to the HFC phasedown – costs, supply, patient choice/care, timeframes etc.?

Could bans be helpful to encourage the transition away from high GWP propellants? Should any other bans on MDIs be considered?

What are the available alternatives and the impact of these – costs, accessibility, availability, supply, timeframes etc.?

What more could be done to strengthen and encourage end-of-life containment?

MDIs sector group

- We welcome written contributions/position papers – please send to fgas@defra.gov.uk
- These slides and the list of invited attendees will be sent to all participants following the event
- If you have further questions, please get in contact with the Defra F-gas team – fgas@defra.gov.uk

Thank you for your time!
