



ATMO
sphere

n e t w o r k
Natural Refrigerants

07/06/18 - Johannesburg





Welcome & Introduction

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COMMERCIAL REFRIGERATION SERVICES

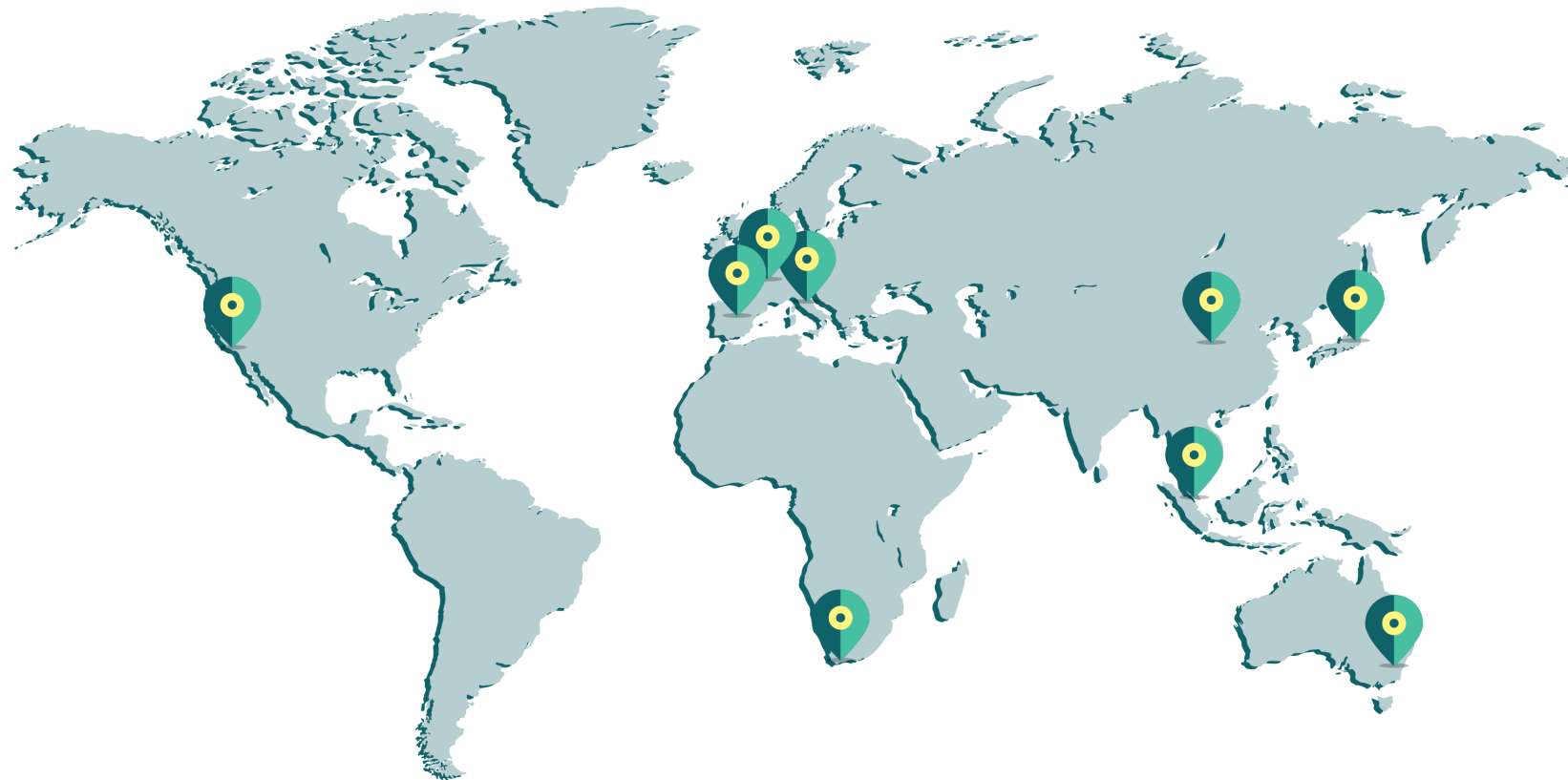


global market accelerator
for natural refrigerant based technologies





Global ATMO events 2018



ATMO JAPAN

13 February
Tokyo

ATMO CHINA

11-12 April
Beijing

ATMO AUSTRALIA

7 May
Sydney

ATMO AMERICA

12-14 June
Long Beach, CA

ATMO FRIGAIR

7 June
Johannesburg

ATMO FRANCE

5 July
Paris

ATMO ASIA

4 September
Singapore









ATMO IBÉRICA

18 September
Madrid

ATMO EUROPE

19-21 November
Lago di Garda

More info on
www.ATMO.org

-  Event details
-  News
-  Sponsors
-  Presentations
-  Pictures
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-  Programme
-  Register now

All presentations
will be added to
www.ATMO.org/Frigair2018

Welcome to the world's largest
database on Natural Refrigerants.



sheccoBase 

Find out more
www.sheccobase.com



World's largest NatRef database (updated daily)

Team of experts (Engineers, Analysts, Researchers, Journalists)

Credit-based system for tailor-made requests

Reports (Policy, Market, Technology)

Why NatRefs in South Africa

KIGALI AMENDMENT

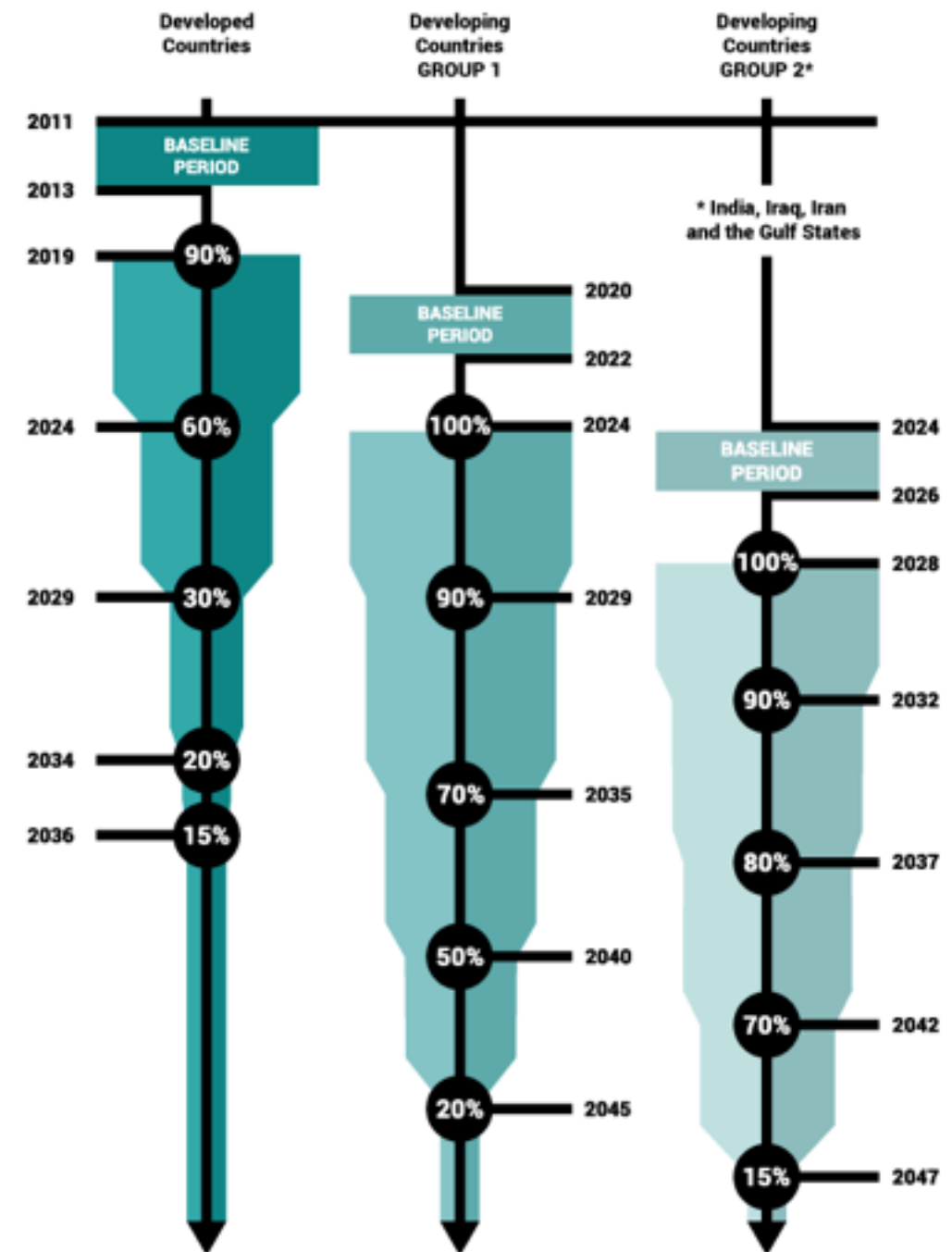
Global climate crisis

The Kigali Amendment to the Montreal Protocol is estimated to help avoid almost 0.4°C warming by 2100.

= Global phase-down of HFCs by **85%** by late 2040s - first reductions by developed countries as of 2019

South Africa to freeze HFCs in 2024 and first reduce in 2029

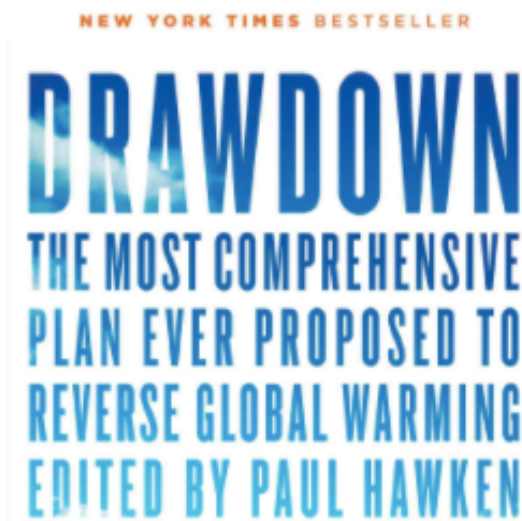
Entry into force: 1 January 2019 (**38 countries ratified so far**)



Refrigerant management – NO.1 solution

Book documenting **80 climate-change mitigation approaches**
(April 2017)

- **Refrigerant management** ranked as the **No. 1 global solution** in terms of estimated atmospheric CO₂-equivalent reductions between 2020 and 2050



Solution	Atmospheric CO₂e reduction (GT)	%
Refrigerant Management	89,74	8,5%
Wind Turbines (Onshore)	84,60	8,0%
Reduced Food Waste	70,53	6,7%
Plant-Rich Diet	66,11	6,3%
Tropical Forests	61,23	5,8%
Educating Girls	59,60	5,7%
Family Planning	59,60	5,7%
Solar Farms	36,90	3,5%
Silvopasture	31,19	3,0%
Rooftop Solar	24,60	2,3%

Natural refrigerants offer to South Africa a sustainable choice to:

- **Leapfrog** to environmentally friendly refrigerants.
- Introduce innovative, proven, and **energy efficient** solutions for all HVAC&R applications.
- Avoid **price fluctuations** of chemical refrigerants.
- Lead the way in Africa (i.e. Business opportunities, technology transfer, etc)
- The **ONLY** future-proof solution for the sector going forward

Programme

Thursday, 7 June

15:00

Welcome & Introduction

15:10

Global Trends on Natural Refrigerants

16:00

Networking break

16:30

Future of the Industry Session

18:00

Networking drinks reception

Participate in the discussion on Social Media
by tagging your posts with the hashtag

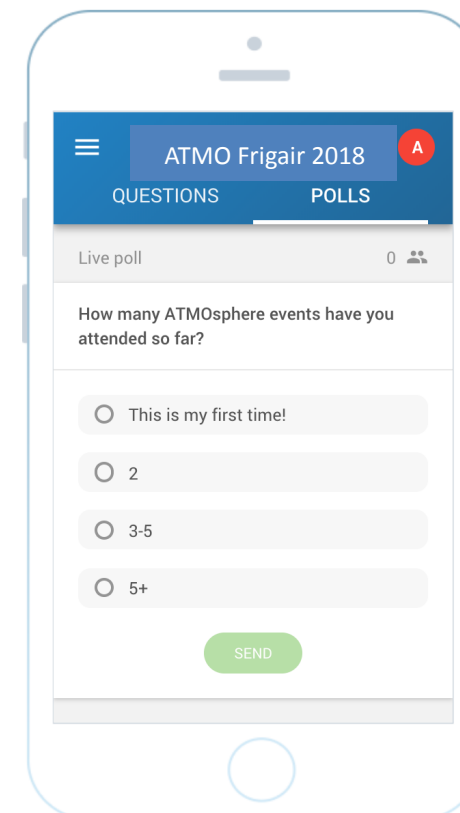
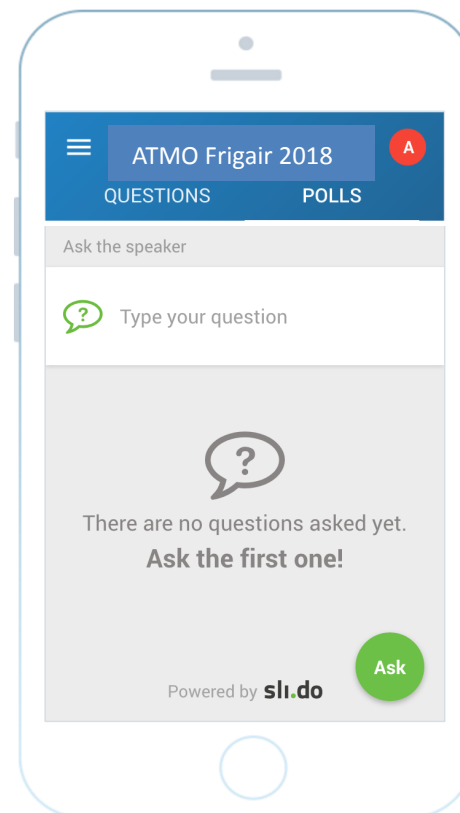
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Live coverage of ATMO Frigair 2018,
including all news & key messages from the event

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CARBONS 



AMMONIA21



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Please note

This conference is on record

All opinions stated are the speaker's own.

Stand up please!





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Thank you for listening

