



ATMO
sphere

n e t w o r k

natural refrigerants

07 April 2015 in Shanghai, China

Welcome & Introduction

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*Marc Chasserot, Chairman ATMOsphere
Managing Director, shecco*

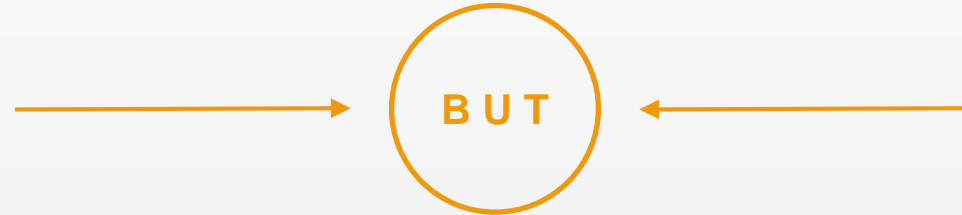
Direction is clear > Low GWP refrigerants worldwide

Business opportunity for **Natural** Refrigerants

Policies UN / US / EU / China / Japan accelerating this trend

More **End Users** (customers) applying these solutions

More **Suppliers** competing for this market



Natural Refrigerants still a 'niche'
= **+/- 10% Global HVAC&R**

“mainstreaming” of Natural Refrigerants
will **not happen by itself**

Ex: EcoCute vs. R32 HP

→ **Way forward:**
‘pro-active approach’ ←

Raise Awareness: NR label & Training

Reduce Costs: Lower capital costs, new business models,
incentives & subsidies

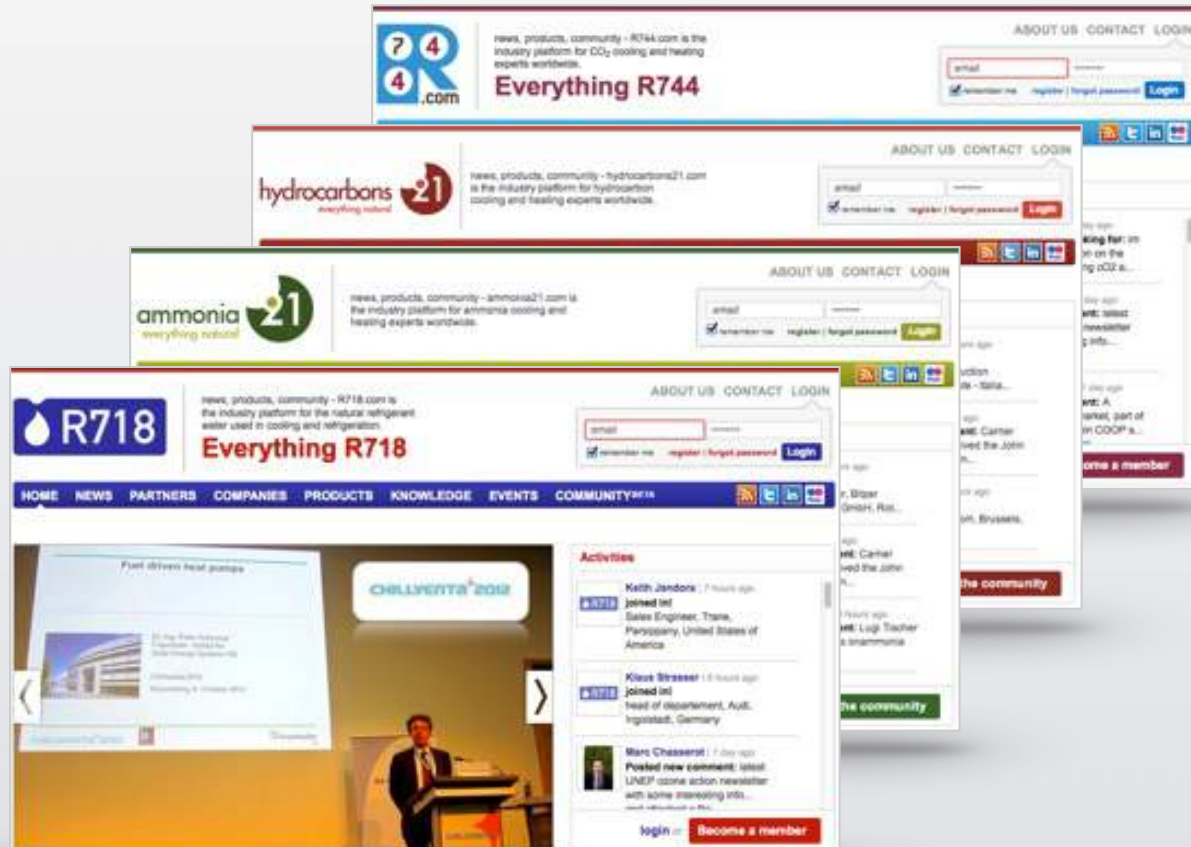
Increase Availability: Components, Systems, Services,
integrated approach, natural refrigerants for AC, high
ambients

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shecco Publishing



GUIDE to Natural Refrigerants in China

- State of the Industry -



GUIDE China free download (published early May 2015) publications.shecco.com



NORTH AMERICAN EDITION
ACCELERATE
ADVANCING HVAC&R NATURALLY MAGAZINE

- ★ first North American online magazine about natural refrigerant technology and beyond
- ★ end-users, suppliers, policy & more
- ★ Japanese version coming soon!

Accelerate Japan + Accelerate Europe coming soon
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25-26 June 2015 — Atlanta, Georgia



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All presentations will
be added to
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PROGRAMME ATMOSPHERE NETWORK SHANGHAI

- 16:00** **MARC CHASSEROT SHECCO** — Welcome speech
- 16:10** **CARSTEN DAHLGAARD DANFOSS** — Refrigerant trends in Industrial Refrigeration
- 16:25** **SHOGO YAMAGUCHI MITSUBISHI HEAVY INDUSTRIES** — CO₂ heat pump water heater for commercial use - case studies from Asia and Europe
- 16:40** **JIN JIAWEI CHINESE ASSOCIATION OF REFRIGERATION (CAR)** — Speech
- 16:55** **MARC CHASSEROT SHECCO** — Pre-launch of GUIDE China: Market Trends & Results from the largest Industry Survey on Natural Refrigerants
- 17:15** Q&A
- 17:30** NETWORKING RECEPTION WITH SNACKS AND DRINKS



Carsten Dahlgaard, Industrial Refrigeration
Global Segment Director, **Danfoss**

Refrigerant trends in industrial refrigeration

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Shogo Yamaguchi, Engineer Adviser, AC & Refrigeration System Solutions Division - **Mitsubishi Heavy Industries**

CO₂ heat pump water heater for commercial use - case studies from Asia and Europe



**Jin Jiawei, Secretary General,
Chinese Association of
Refrigeration (CAR)**



中国制冷学会
Chinese Association of Refrigeration



Marc Chasserot, Managing Director, **shecco**

Pre-launch of GUIDE China: Market trends & results of largest Industry survey on natural refrigerants





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