

ATMOsphere Europe 2013 Natural Refrigerant trends and EU F Gas Regulation



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ATMOsphere Europe 2013 - Report





solutions for europe

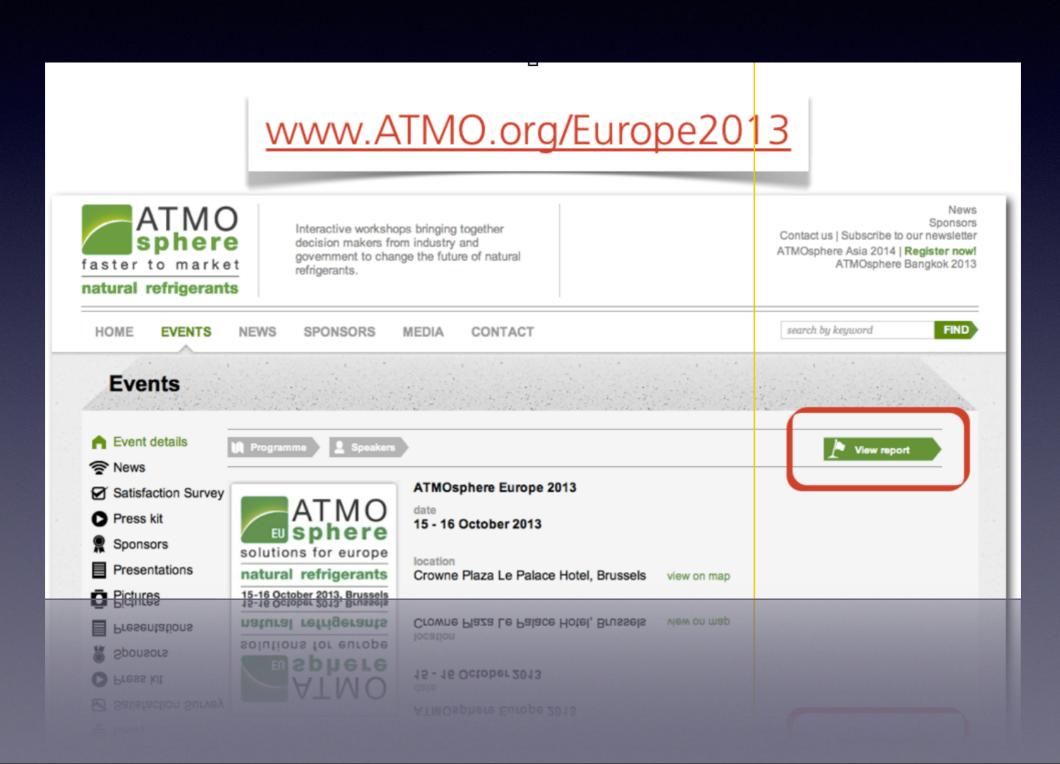
ATMOsphere Europe 2013 Summary Report International Workshop Brussels, Belgium 15-16 October 2013



- EU F Gas
- market trends
- end user experience
- market innovations

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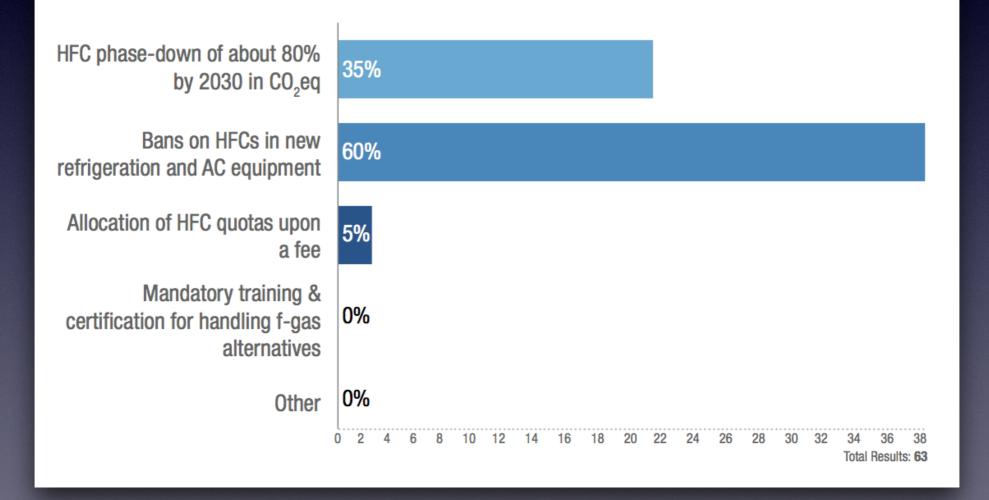




EU F gas



Which type of measure considered in the F-Gas review do you regard to be of key importance in driving the uptake of natural refrigerant technology



Natural refrigerant commercial availability, 2013-2025



commercially available in all EU

semi-commercially available

not commercially available yet

REFRIGERATION	TODAY	2015-2020	2020-2025	2025
Domestic refrigeration				
Stand-alone units				
Condensing units				
Centralised systems		2018		
Small industrial refrigeration				
Large industrial refrigeration				
Road transport refrigeration		2017		
AIR-CONDITIONING	TODAY	2015-2020	2020-2025	2025
Movable room AC		2017		
Split AC		2018		
Multisplit/ VRF AC				
Rooftop AC				
Displacement chillers				
Centrifugal chillers				
Heat pump water heaters		2018		
Heat pumps for space and water heating				
AC in cargo ships				

400+ companies in Europe working with natural refrigerants today

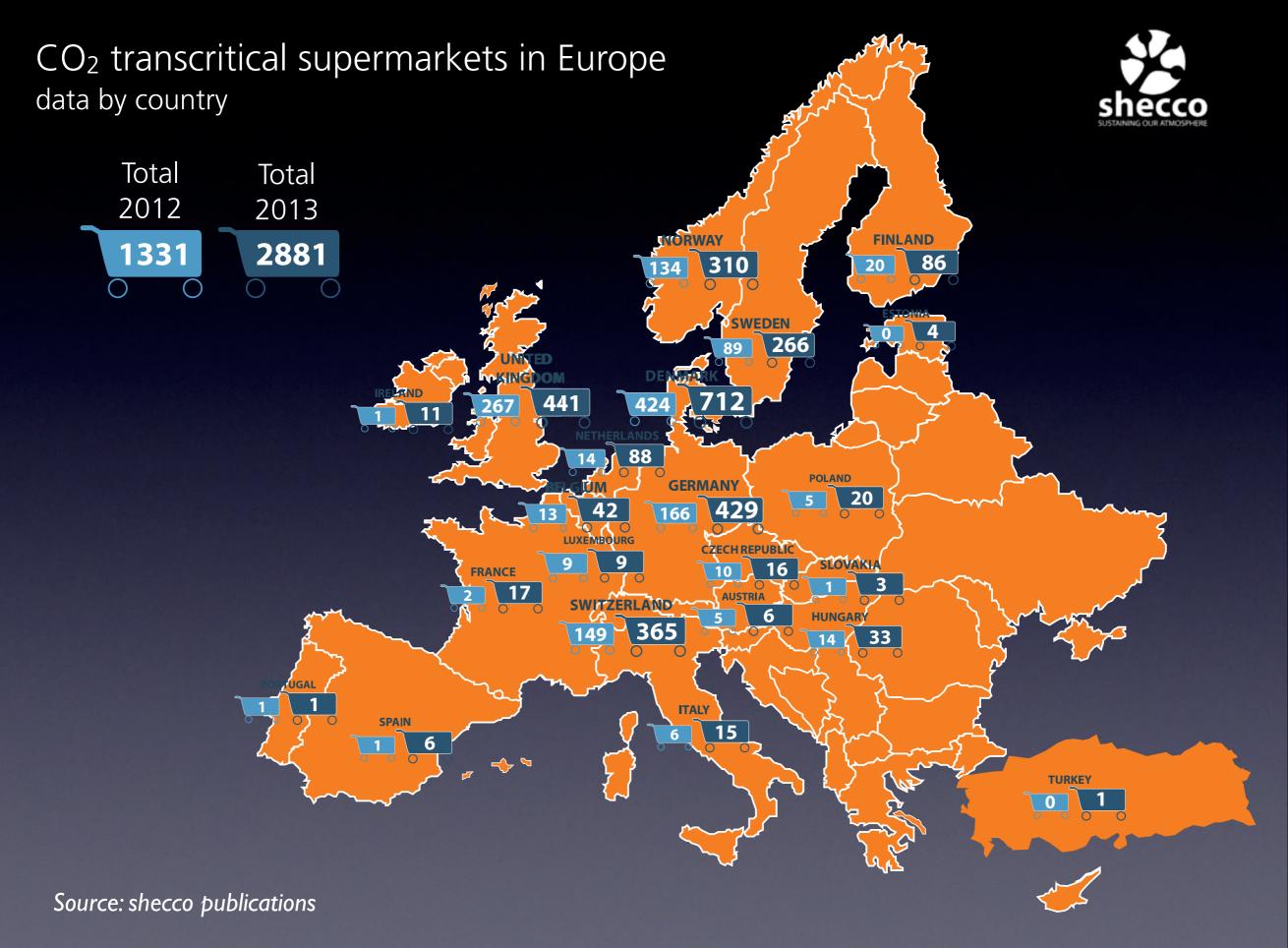


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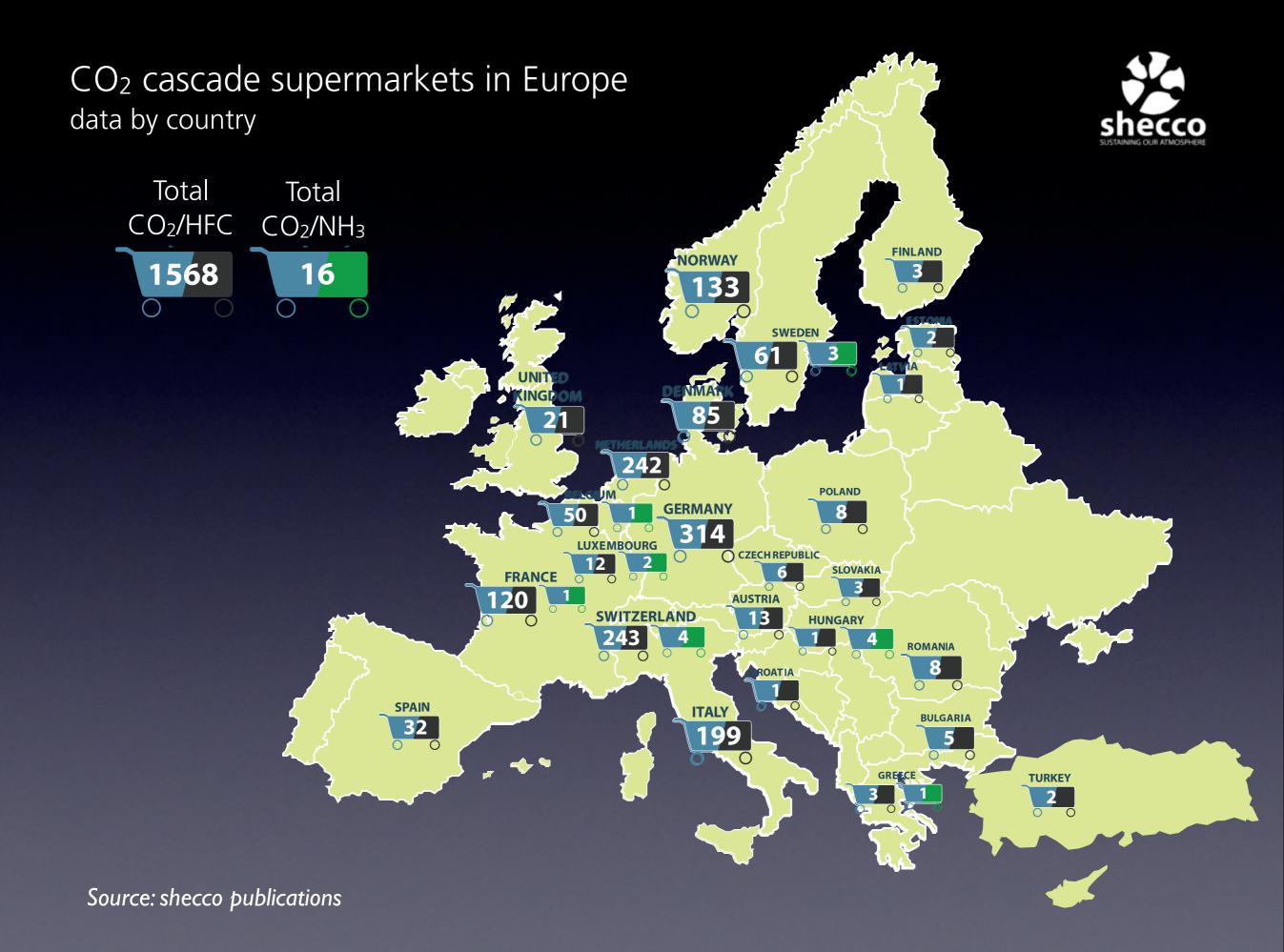
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Source: shecco publications



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