

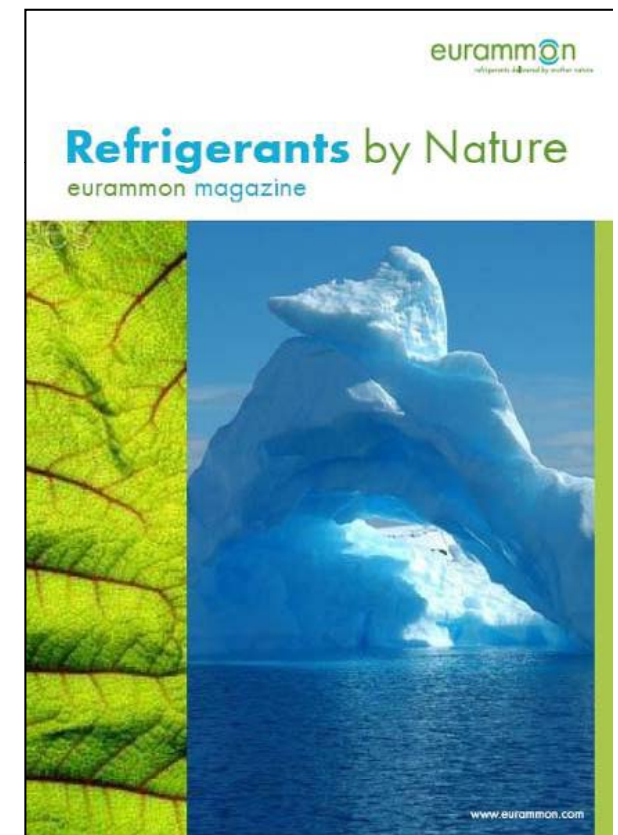


euramm^on

refrigerants delivered by mother nature

eurammon – portrait

- **Initiative** of companies, institutions and individuals who advocate an increased use of **natural refrigerants**
- **Project experience** for users and planners of refrigeration systems
- Development of progressive solutions in refrigeration as a **partner to business and politics**
- Committed to sustainable solutions at the **international level**
- **Worldwide network** with around 70 members from nearly 25 countries



eurammon – position and topics

- Natural refrigerants are an **environment-friendly, energy-efficient, future-proof, cost-effective** and **safe** solution
- Increase **public awareness** of the positive features of natural refrigerants by submitting case studies to the international press
- Participation of **exhibitions and conferences** on behalf of natural refrigerants
- **Topics** of interest for eurammon:
 - HCFC/HFC phase-out
 - Energy efficiency
 - Climate protection



eurammon – natural refrigeration award

- Since 2005 eurammon instigated every second year the **Natural Refrigeration Award** for the best academic thesis paper on natural refrigerants.
- Eurammon awards the **5.000 Euro prize** in cooperation with an academy and a trade publication. The cooperation partners change from year to year.
- Thus, eurammon is promoting research into refrigeration with **natural refrigerants**.



eurammon – natural refrigeration award winners 2005

1. Paul Tischer

Technical University of Dresden

“Supercritical Carbon Dioxide as Refrigerant”

2. Dipl.-Ing. Torge Pfafferott

Technical University of Hamburg-Harburg

“Transient Simulation of CO₂-Refrigeration Cycles for Mobile Applications”

3. Verena Berndt

University of Stuttgart

“Operational-test measurement of a solar powered absorption cooling machine”



Partners



eurammon – natural refrigeration award winners 2007

1. Jörg Nickl

Technical University of Dresden

“Development of an expander/
compressor for the transcritical
refrigeration process with carbon dioxide
as refrigerant“

2. Christine Junior

Technical University Carolo-
Wilhelmina at Brunswick

“Energetic evaluation of different R744
loop concepts“

3. Arash Soleimani Karimabad

Royal Institute of Technology,
Stockholm

“Experimental investigations of an
ammonia/carbon dioxide cascade system
for supermarket refrigeration“



Partners



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eurammon – natural refrigeration award winners 2009

1. **Julia Mildenberger**

Technical University Carolo-Wilhelmina at Brunswick

"R744 two-phase natural circulation for heat pump defrosting"

2. **Dr. Samer Sawalha**

Stockholm Royal Institute of Technology

"Carbon dioxide in supermarket refrigeration"

3. **Dr. Stefan Elbel**

University of Illinois

"Experimental and analytical investigation of a two-phase ejector used for expansion work recovery in a transcritical R744 air-conditioning system"



Partners



Remove barriers to use more natural refrigerants

- Information regarding advantages and challenges
- Innovative products by ongoing research
- Excellent training of installers and operators