

**Twenty-eighth Open-ended Working Group of the Parties to the Montreal Protocol
UNESCAP Bangkok, Thailand
7 to 11 July 2008**

REVISED SIDE EVENTS

Monday – Friday, 7 to 11 July 2008

Time: 0900 - 1800 Venue: To be decided

Title: Demonstration and Training on System for Paperless Meeting

Organizers: Government of Qatar

Description:

The Government of Qatar is hosting the joint 20th Meeting of the Parties to the Montreal Protocol and 8th Conference of the Parties to the Vienna Convention. The Government and the Ozone Secretariat are pioneering an initiative for a system for a paperless meeting. This initiative could lead to reduced costs and time involved for documents distribution as well as conservation of the environment.

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Monday, 7 July 2008

Time: 1300 - 1445 Venue: *To be decided*

Title: Awareness on ozone layer protection in Small-Island Developing States (SIDS)-launching of "Ozzy Goes Island Hopping"

Organizers: UNEP-DTIE

Description:

During this side event where representatives from various small island states are expected to attend, there will be the launch of a new cartoon book entitled "Ozzy Goes Island Hopping" which features ozone depletion and climate change with a special focus on Hydrochlorofluorocarbons (HCFCs).

For more information, please contact:

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Time: 1830 - 2200 Venue: Siam Niramit: Sawasdee 3

Title: Ozone Secretariat official dinner/reception

Organizers: Ozone Secretariat

Description:

Official dinner/reception in the honour of delegates to the 28th Open-ended Working Group meeting.

For more information, please contact:

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Tuesday, 8 July 2008

Time: 1300 - 1445 Venue: *To be decided*

Title: Natural Refrigerants – Sustainable Ozone – and Climate-Friendly Alternatives to HCFCs

Organizers: GTZ Proklima

Provisional Agenda Moderation: Jürgen Usinger, GTZ Proklima	
13.00-13.10	Welcome address and introductory note (GTZ-Proklima, Dr. Volkmar Hasse)
13.10-13.30	Introduction to the publication “Natural Refrigerants- Sustainable Ozone- and Climate-Friendly Alternatives to HCFCs” (GTZ-Proklima, Linda Ederberg) Q&A
13.30-13.50	Presentations by manufacturers/end-users A. Pachai, Johnson Controls: “The first CO2 supermarket plant in New Zealand” Q&A
13.50- 14.10	Presentations by manufacturers/end-users G. Scherrieble, Güntner AG <i>(title of the presentation has to be confirmed)</i> Q&A
14.10-14.30	Presentations by manufacturers/end-users J. Sears, Unilever “Green ice cream cabinets- Unilever’s move from HCFCs to HCs” <i>(to be confirmed)</i> Q&A
14.30-14.45	Conclusions and discussion (GTZ-Proklima, Dr. Volkmar Hasse and Jürgen Usinger)

Description:

GTZ-Proklima presents a new publication on natural refrigerants as climate- and ozone-friendly alternatives to HCFCs. The volume contains 31 articles by individual authors and covers policy issues, safety concerns and means to overcome, a technical assessment of natural refrigerants in different applications, as well as case studies by manufacturers and end.-users. The publication was compiled to highlight that natural refrigerants may be applied in various systems, which previously used R22 and that natural refrigerants have proven to be energy-efficient, economically feasibly and environmentally friendly replacements to HCFCs

GTZ -Proklima will open the session and give an introduction to the backgrounds and purpose of the publication. This will be followed by three presentations of manufacturers and end-users, which have successfully converted their refrigeration systems from HCFCs to natural refrigerants. Concluding remarks by GTZ-Proklima will close the session.

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Wednesday, 9 July 2008

Time: 1300 - 1445

Venue: *To be decided*

Title: Available, Affordable and Appropriate HFC-free Refrigeration and Cooling Technologies for Replacing CFCs and HCFCs in Developing Countries

Organizers: Greenpeace International and the Environmental Investigation Agency

Description:

Focusing on the availability of HFC-free refrigeration and cooling technologies and the advantages they hold for developing countries. Real- life, practical examples of the use of non-HFC alternatives to HCFCs will be presented.

There are non-HFC alternatives for most HCFC applications, including for replacing HCFC-22. These alternatives use natural refrigerants and blowing agents such as CO₂, hydrocarbons, ammonia and water. They are proven, commercially available, cost effective and environmentally safer. They are currently used in commercial cooling and refrigeration, vending machines and commercial freezers, supermarkets and department stores, office building, restaurants, hospitals, and so forth.

They enable developing countries to go with long term, sustainable solutions and to leapfrog expensive, high-GWP HFCs.

Background note:

TEAP has noted that the climate benefits of an accelerated HCFC phase-out can only be achieved if (a) the HCFCs are replaced by alternatives that have zero or low GWPs and (b) the energy efficiency of refrigeration and air conditioning equipment is improved.

If high-GWP HFCs become the primary replacement for HCFCs in developing countries, then the climate loses, and then we all lose.

For more information, please contact:

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Thursday, 10 July 2008

Time: 1300 - 1445

Venue: *To be decided*

Title: Natural Blowing Agents – Sustainable Ozone- and Climate-Friendly Alternatives to HCFCs

Organizers: GTZ Proklima

Provisional Agenda Moderation: Jürgen Usinger, GTZ-Proklima	
13.00-13.10	Welcome address and introductory note (Dr. Volkmar Hasse, GTZ-Proklima)
13.10-13.40	Presentations by manufacturers/end-users J. Rappold, KraussMaffei Technologies “Natural Blowing Agents in Foam Manufacturing” (title has to be confirmed) Q&A
13.40-14.10	Presentations by manufacturers/end-users Thai supplier to KraussMaffei “Conversion to Pentane” To be confirmed Q&A
14.10- 14.40	Presentations by manufacturers/end-users To be confirmed Q&A
14.40-14.45	Conclusions (Dr. Volkmar Hasse and Jürgen Usinger, GTZ-Proklima)

Description:

GTZ-Proklima is currently developing a new publication on natural blowing agents as climate- and ozone-friendly alternatives to HCFCs in the foam sector. Similar to the natural refrigerants handbook, the volume will contain various articles by manufacturers who have successfully substituted HCFCs with natural substances.

GTZ -Proklima will open the session with an introduction to the topic. This will be followed by several presentations of manufacturers of foams, which have successfully converted their production systems from CFCs and HCFCs-141b to natural refrigerants, such as Co₂ or Hydrocarbons. Concluding remarks by GTZ-Proklima will close the session.

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Time: 1300 - 1445

Venue: *To be decided*

Title: Leveraging Support for HCFC Phase-out: Opportunities and Modalities for Pursuing Linkages with the Climate Change Agenda

Organizers: World Bank

Description:

With recent agreement on an accelerated HCFC phase-out schedule and the concomitant commitment to assist Article 5 countries meet agreed incremental costs of this phase-out, the Parties to the Montreal Protocol have paved the way for another successful phase towards complete elimination of ozone depleting substances. However, this stage of ODS phase-out comes with its unique challenges for Article 5 countries. High growth rates in HCFC production and consumption – up to 20% in some countries – will more than offset the lower ODP of HCFC than CFC and could lead to difficulties in the future when HCFC supplies decrease, particularly in the servicing sector. Moreover, although alternatives are available, not all are economically viable for developing countries at this point. In fact, on a kilogram basis, the cost of HCFC phase-out could be significantly higher than the cost of CFC phase-out.

A promising way to address these challenges may lie in the same decision taken by the Parties to the Protocol to accelerate HCFC phase-out – namely to prioritize interventions which, among others, also minimize impacts on the climate. The synergies between the climate change and ozone agendas present not only opportunities for more effective control of harmful chemical emissions to the atmosphere but may enable countries to better design, finance and implement HCFC phase-out programs.

The purpose of the event is to consider the opportunities and possible modalities for HCFC phase-out within the wider context of generating additional global environmental benefits while taking into account current concerns surrounding accelerated HCFC phase-out in Article 5 countries. The session will provide a brief overview of carbon finance as a possible means for leveraging new private and public investment for projects that reduce greenhouse gas emissions; explore the programmatic approach under the MLF, CDM and GEF as a modality for linking HCFC phase-out to carbon emission reductions; and consider several case studies as examples.

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Friday, 11 July 2008

Time: 1500 - 1800 Venue: *To be decided*

Title: Technical discussions – Ozone and climate

Organizers: Stockholm Group

Description:

The Stockholm Group is an informal gathering of experts to engage in “out of the box” thinking on protecting both the stratospheric ozone layer and mitigating global climate change. Attendees participate in the Stockholm Group under “Chatham House Rules” where everyone participates in their individual capacities. The Stockholm Group side event will address how to implement the environmental benefit of a global cap and phase down of HFCs; integrate energy-efficiency considerations into alternatives to ozone depleting substances; and encourage the recovery, recycling and destruction of banks and stocks of ozone depleting substances.

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