

**UNEP DTIE OzonAction Programme under the Multilateral Fund****Guidebook for Implementation of Codes of Good Practices - Refrigeration Sector****INFORMATION RELEASE - New Publication**

August 1998

As part of the information clearinghouse and training services under the Multilateral Fund of the Montreal Protocol, the OzonAction Programme of the United Nations Environment Programme, Industry and Environment (UNEP DTIE) office in Paris is releasing the "Guidebook for Implementation of Codes of Good Practice - Refrigeration Sector".

In many developing countries, the most important sector in which ozone-depleting substances are used is the refrigeration sector, predominantly for the servicing of CFC-containing equipment. Regrettably, poor servicing procedures often lead to the release of significant quantities of CFCs directly into the atmosphere. Through the application of good practices in refrigeration, a significant share of these unnecessary CFC emissions can be avoided.

The objective of this publication is to provide guidance on how to establish appropriate codes of good practice in the refrigeration sector in developing countries. It presents the steps that should be taken during design and implementation of such codes of good practice, including how to involve the relevant stakeholders and describes their main elements: servicing and maintenance of refrigeration systems, handling, recovery and recycling of refrigerants, preventive inspection, record-keeping etc. It provides guidance on where to find further reference documents and it contains further useful background information in the annexes such as templates for record keeping etc.

The guidebook is intended to be used by all relevant stakeholders involved, such as the national ozone officers, representatives from government institutions, industry and trade associations, service workshops as well as system owners and operators, technicians and manufacturers in their effort to design and establish codes of good practices in the refrigeration sector.

Given the importance of this sector, it is essential that they are well informed about the ways to design and establish codes of good practices. This is particularly urgent in light of the first control measure applicable to Article 5 countries: the freeze in consumption of CFCs by 1 July 1999. Developing countries need to develop Refrigeration Management Plans (RMPs) to help them meet the freeze and other Montreal Protocol requirements. An RMP is a policy instrument that enables a country to implement an integrated phase out strategy for the refrigeration sector.

This guidebook is part of a series of publications of the Ozone Programme under the Multilateral Fund. An introductory video on good practices in refrigeration has recently been issued which serves as an awareness-raising and educational tool for technicians in the refrigeration sector.

**Some recent UNEP Industry and Environment publications**

- Regulations to Control Ozone Depleting Substances: A Guidebook, 1996, 240 pp., 365 FF/US\$ 70
- Monitoring Imports of Ozone Depleting Substances: A Guidebook, 1996, 100 pp., 315 FF/US\$ 60
- How the Hotel and Tourism Industry Can Protect the Ozone Layer, 1998, 54 pp., 225 FF/US \$45
- Identifying Alternative Solvents to Protect the Ozone Layer: Case Studies from Around the World, 1997, 80 pp., 250 FF/US\$ 45
- Five Steps for Raising Awareness on Ozone Depletion: A Handbook for National Ozone Units, 1996, 30 pp., Available in English, French and Spanish, 125 FF/US\$ 25
- Industry and Environment, a quarterly review. Each issue focuses on a specific topic and also covers news and events in the worldwide industrial environment. Contact UNEP DTIE for subscription information.

**To Order**

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### **About UNEP Industry and Environment**

UNEP established its Industry and Environment office (UNEP DTIE) in 1975 to bring industry and government together to promote environmentally sound industrial development. UNEP DTIE is located in Paris. Its goals are: 1) to encourage the incorporation of environmental criteria in industrial development plans; 2) to facilitate the implementation of procedures and principles for the protection of the environment; 3) to promote preventive environmental protection through cleaner production and other pro-active approaches; 4) to stimulate the exchange of information and experience throughout the world. DTIE provides access to practical information and develops cooperative activities backed by regular follow-up and assessment. To promote the transfer of information and the sharing of knowledge and experience, DTIE has developed three complementary tools: technical reports; the quarterly "Industry and Environment" review and a technical query-response service. UNEP DTIE is conducting the following main programme elements: Accident Prevention (APELL), Cleaner Production, Energy, OzonAction, Pollution Management, Tourism.

[Back to the Press Releases page](#)

