

SOUTHERN AFRICAN REGIONAL WORKSHOP ON LESSONS LEARNED AND CASE STUDIES IN TECHNOLOGY TRANSFER FOR ODS PHASE OUT, NATIONAL BANK TRAINING COLLEGE, BLANTYRE (MALAWI), MAY 27 – 29, 2002

PARTICIPATING COUNTRIES : 15 (INCLUDING 5 MEMBER COUNTRIES OF THE CENTRE)

NUMBER OF PARTICIPANTS: 41 (INCLUDING 12 FROM THE MEMBER COUNTRIES OF THE CENTRE)

The developing countries are the major users of ozone depleting substances (ODS) in the world. Initiatives have been taken under the Montreal Protocol (1989) with support of the Multilateral Fund created in 1991 for providing financial and technical assistance to the developing countries to eliminate the production and consumption of ODS in developing countries in phased out stages. Most countries of the Southern African region have made significant contribution to the Montreal Protocol and have enacted legislation to control ODS consumption and import. In addition, new ozone friendly technologies are being developed and promoted for use by the industry. Technology transfer is therefore one of the vital steps in ODS phase out process. With assistance from international and bilateral institutions, a number of technologies covering various sectors like foam, aerosol, fumigant and refrigeration have been transferred to the African countries, including those in the Southern African region, to replace ODS and ODS using equipment.

As a follow-up of the African regional workshop on Ozone Depletion and Management of ODS Phase Out in Small and Medium Enterprises, which was jointly organised by the NAM S&T Centre and Commonwealth Science Council in October 1997, a Southern African regional workshop was held in the premises of the National Bank Training College at Blantyre, Malawi during May 27-29, 2002. The NAM S&T Centre, Commonwealth Science Council and Energy and OzonAction Programme of UNEP Division of Technology, Industry and Economics (DTIE) jointly sponsored the event. Environmental Affairs Department of the Ministry of Natural Resources and Environmental Affairs of Malawi was the local organiser for the meeting.

The case studies for ODS phase out efforts undertaken in various countries of the Southern African region were discussed at length during the Malawi Southern African Regional Workshop. More than 35 participants to the workshop included policy makers, representatives of National Ozone Units (NOU), enterprises that supplied the technologies and those who received these technologies, and the implementing agencies, which financed the technology transfer activities undertaken under the Montreal Protocol, from 18 countries. The member countries of the NAM S&T Centre, which attended the workshop, were India (Dr. A. P. Kulshreshtha, Director, NAM S&T Centre) Tanzania (Mr. Binelias Mndewa of Cleaner Production Centre of Tanzania, Dar-es-Salaam and Mr. Daya Mansoor from industry), Uganda (Prof. John. Okedi of the Environment and Development Associates, Kampala), Zambia (Mr. Cliff Ngwata of the

Environment Council of Zambia and Mr. Terry Toms of Sunshine Seedling Services, Fringilla) and Zimbabwe (Mrs. S.C. Madzinga of the Research Council of Zimbabwe, Mr. Vitalis Mugova, Assistant Ozone Manager in Harare, Dr. Upenyu Mazarura of the Tobacco Research Board, Mr. Peter Neganje of the Grain Marketing Board, and Mr. Reuben Zinyama of the Imperial Refrigeration and Mr. Carles Gena of the Commercial Refrigeration in Harare), of which Mr. Cliff Ngwata of Zambia and Mrs. Matzinga of Zimbabwe received support from the Centre. Other participating countries were Austria, France, Italy, Kenya, Malawi, Germany, Lesotho, Namibia, Swaziland and the UK.

H.E. Mr. Rudovico Shati, Deputy Minister of Natural Resources and Environmental Affairs of Malawi inaugurated the workshop. The other speakers during the inaugural session were Mr. Rajendra M. Shende, Head, Energy and OzonAction Programme of UNEP DTIE, Dr. J. Perera, Chief Programme Officer of CSC and Dr. C. Mwiyeriwa, Principal Secretary, National Research Council of Malawi.

The workshop was conducted in three main segments. The first segment comprised the country reports on ODS technology transfer presented by the representatives of Lesotho, Namibia, Swaziland, Tanzania, Zambia, Zimbabwe, Malawi and Kenya. These presentations included the statistics on ODS consumption level, legislation adopted, projects and management plans, training of technicians, custom officers, etc. and success in achieving the set targets. In the next segment the technology suppliers and recipients briefed the audience on the experiences in technology transfer in various sectors, viz. aerosol, foam, domestic and commercial refrigeration, methyl bromide and other alternate alternative technologies. The last segment related to the lessons learned by implementing agencies was chaired by the Director, NAM S&T Centre, who converted the session into an interactive meeting between the reps of UNDP, UNEP, UNIDO and FAO from the podium and the audience. At the conclusion of this session a small team was formed under the leadership of Professor John Okedi, Executive Director, Environment and Development Associates of Kampala (Uganda) to prepare draft recommendations from the workshop. These recommendations including specific requirements from the industries, NOUs and implementing agencies for the success of technology transfer efforts for ODS phase out were discussed and recorded during the concluding session of the workshop for bringing them to the attention of the policy makers and governments.