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UNEP Ad Hoc Working Group of Legal and
Technical Experts for the Elaboration
of a Global Framework Convention for
the Protection of the Ozone Layer

Stockholm, 20-29 January 1982

CONTRIBUTION OF THE CO-ORDINATING COMMITTEE ON
THE OZONE LAYER TO THE AD HOC WORKING GROUP OF
LEGAL AND TECHNICAL EXPERTS

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CCOL V CONTRIBUTION TO THE AD HOC WORKING GROUP OF LEGAL AND TECHNICAL EXPERTS TO ELABORATE A GLOBAL FRAMEWORK CONVENTION FOR THE PROTECTION OF THE OZONE LAYER

1. In accordance with Decision 9/13B of the Governing Council of UNEP on the Protection of the Ozone Layer, wherein it is stated that the Co-ordinating Committee on the Ozone Layer (CCOL) is invited, as part of its activities under its mandate, to contribute to the work of the Ad Hoc Working Group of Legal and Technical Experts - the CCOL wishes to submit to the Ad Hoc Working Group the Report of its 5th Session. The CCOL wishes, in particular, to draw attention to its statement therein on:

- i) the status of the ozone layer,
- ii) monitoring,
- iii) modelling results,
- iv) the assessment of UV-B effects,
- v) production, usage and emissions of ozone-affecting chemicals other than CFC-11 and CFC-12, and
- vi) possible influences on climate.

2. In addition, the CCOL wishes to bring to the attention of the Ad Hoc Working Group the importance of considering, during its own deliberations on a global framework convention on the protection of the ozone layer, the following aspects:

- a) Monitoring of:
 - i) the status of the ozone layer,
 - ii) UV-B irradiance,
 - iii) the global production, release and use of ozone-affecting substances, and
 - iv) the content of trace constituents of the atmosphere which may affect the ozone layer.

- b) Research on:
 - i) the trace constituents of the troposphere and stratosphere,
 - ii) the chemistry and dynamics of the stratosphere,
 - iii) the biological effects of UV-B radiation,
 - iv) computational models of the atmosphere, and
 - v) the validation of such models.

- c) The Use of Models to calculate:
 - i) the future change of the ozone layer,
 - ii) the consequent changes of UV-B radiation, and
 - iii) the impact on climate.

- d) Assessment of:
 - i) the status of the ozone layer,
 - ii) the impact of predicted changes of UV-B radiation, and
 - iii) the socio-economic impact of alternative control strategies.

- e) Development of:
 - i) best available and economically feasible technologies to limit/reduce emissions of ozone-affecting substances, and
 - ii) alternative chemicals/techniques/products to replace those regulated by controls.

3. The Co-ordinating Committee on the Ozone Layer wishes to inform the Ad Hoc Working Group that it has a capability to advise the Working Group on, and is prepared further to assist it with respect to the majority of those areas under section 2. The following are aspects on which the CCOL has not carried out any work, but which it considers to be of relevance to the deliberations of the Ad Hoc Working Group:

a) Socio-Economic Impact of Alternative Control Strategies:

although reference to this topic is contained in the World Plan of Action, to date there has not been a comprehensive study of this matter apart from individual studies on specific aspects carried out by member countries and in the EEC which can be made available to the Ad Hoc Working Group.

b) Development of:

best available and economically feasible technologies to limit/reduce emissions of ozone-affecting substances.

4. The Committee recommends that the Secretariat:

- i) contacts member countries to make available recent model scenario reports to the Ad Hoc Working Group.
- ii) makes available for the Ad Hoc Working Group meeting in January, other material on relevant work on other fora.
- iii) makes available to the Ad Hoc Working Group relevant information, including statistical and technical data, on the implementation of the recommendations contained in Decision 8/7B of 29 April 1980.

