

anthropogenic in origin. These gases also act as a source of stratospheric C_{10}_x .

(d) Bromine substances

Fully halogenated alkanes, e. g. CF_3Br

These gases are anthropogenic and act as a source of BrO_x , which behaves in a manner similar to C_{10}_x .

(e) Hydrogen substances

(i) Hydrogen (H_2)

Hydrogen, the source of which is natural and anthropogenic, plays a minor role in stratospheric photochemistry.

(ii) Water (H_2O)

Water, the source of which is natural, plays a vital role in both tropospheric and stratospheric photochemistry. Local sources of water vapour in the stratosphere include the oxidation of methane and, to a lesser extent, of hydrogen.

Annex II

INFORMATION EXCHANGE

1. The Parties to the Convention recognize that the collection and sharing of information is an important means of implementing the objectives of this Convention and of assuring that any actions that may be taken are appropriate and equitable. Therefore, Parties shall exchange scientific, technical, socio-economic, business, commercial and legal information.

2. The Parties to the Convention, in deciding what information is to be collected and exchanged, should take into account the usefulness of the information and the costs of obtaining it. The Parties further recognize that co-operation under this annex has to be consistent with national laws, regulations and practices regarding patents, trade secrets, and protection of confidential and proprietary information.

3. Scientific information

This includes information on:

- (a) Planned and ongoing research, both governmental and private, to facilitate the co-ordination of research programmes so as to make the most effective use of available national and international resources;
- (b) The emission data needed for research;
- (c) Scientific results published in peer-reviewed literature on the understanding of the physics and chemistry of the Earth's atmosphere and of its susceptibility to change, in particular on the state of the ozone layer and effects on human health, environment and climate which would result from changes on all time-scales in either the total column content or the vertical distribution of ozone;
- (d) The assessment of research results and the recommendations for future research.

4. Technical information

This includes information on:

- (a) The availability and cost of chemical substitutes and of alternative technologies to reduce the emissions of ozone-modifying substances and related planned and ongoing research;
- (b) The limitations and any risks involved in using chemical or other substitutes and alternative technologies.

~~I. Scientific, technical and commercial information on the~~
Annex I

It includes information on:

- (a) Production and production capacity;

(b) Use and use patterns;

(c) Imports/exports;

(d) The costs, risks and benefits of human activities which may indirectly modify the ozone layer and of the impacts of regulatory actions taken or being considered to control these activities.

6. Legal information

This includes information on:

- (a) National laws, administrative measures and legal research relevant to the protection of the ozone layer;
- (b) International agreements, including bilateral agreements, relevant to the protection of the ozone layer;
- (c) Methods and terms of licensing and availability of patents relevant to the protection of the ozone layer.

**Bekanntmachung
zum Montrealer Protokoll über Stoffe, die die
Ozonschicht abbauen, vom 16. September 1987**

vom 21. Juli 1989

Der Staatsrat der Deutschen Demokratischen Republik erklärte den Beitritt der Deutschen Demokratischen Republik zum Montrealer Protokoll über Stoffe, die die Ozonschicht abbauen, vom 16. September 1987.

Die Beitrittsurkunde wurde am 25. Januar 1989 beim Generalsekretär der Vereinten Nationen als dem Depositar hinterlegt.

Das Protokoll ist gemäß seinem Artikel 16 Absatz 3 am 25. April 1989 für die Deutsche Demokratische Republik in Kraft getreten. Es wird nachstehend veröffentlicht.

Berlin, den 21. Juli 1989

**Der Sekretär des Staatsrates
der Deutschen Demokratischen Republik**

H. Eichler

(Übersetzung)

**Montrealer Protokoll über Stoffe,
die die Ozonschicht abbauen**

Die Vertragspartner dieses Protokolls,

da sie Vertragspartner der Wiener Konvention zum Schutz der Ozonschicht **sind,**

etgedenk ihrer Verpflichtung im Rahmen dieser Konvention, entsprechende Maßnahmen zum Schutz der Gesundheit des Menschen und der Umwelt vor nachteiligen Auswirkungen, die aus Aktivitäten des Menschen resultieren oder resultieren können, die die Ozonschicht verändern oder verändern können, zu ergreifen,

hi dar Erkenntnis, daß weltweite Emissionen gewisser Stoffe die Ozonschicht erheblich abbauen und anderweitig in einer Weise verändern können, die sich auf die Gesundheit **das** Menschen und die Umwelt nachteilig auswirken kann,

in dem Bewußtsein, daß die Emissionen dieser Stoffe mögliche klimatische Auswirkungen haben.