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Addendum

V. COOPERATION ON SCIENCE, RESEARCH, INFORMATION AND EDUCATION¹

* In order to facilitate processing, the consolidated working document is being reproduced as A/AC.237/Misc.17 and Add.1-9. The present addendum is thus an integral part of the whole document, an edited version of which will be published subsequently as an annex to the report of the Committee on the work of its fourth session.

V.1. SCIENTIFIC [,TECHNOLOGICAL] AND TECHNICAL COOPERATION

Cooperation

1. The Parties shall cooperate [, on a global and regional level,] in the development and dissemination of scientific, [technological,] technical, socio-economic and legal knowledge relevant to [uncertainties surrounding] climate change, and the potential responses thereto, through research [and development] and systematic observation, exchange of information and education, training and public awareness. [Such cooperation shall be carried out with due respect to national sovereignty and shall be consistent with national laws, regulations and practices.]

Developing countries

2. The Parties shall take into account the particular concerns and needs of developing countries and [seek to] [promote] [improve] [the] [their] capacity and capability [of all Parties] to participate in these cooperative efforts.

Minimize duplication

3. The Parties shall also seek to minimize duplication of [these cooperative] effort[s] by utilizing, where [possible] [appropriate], existing competent international and intergovernmental bodies.

V.2. RESEARCH [AND DEVELOPMENT] AND SYSTEMATIC OBSERVATION

Cooperation

1. The Parties [shall] [undertake [in accordance with their needs and the means at their disposal] to initiate] [promote] and cooperate in, directly or through competent international and intergovernmental bodies [,as decided by the Parties,] the conduct of research [and [technological] development] and systematic observation related to the climate system and climate change [as elaborated in Annex I].

National Jurisdiction

[2. Within areas under its jurisdiction, [Within its scientific means,] [and, where appropriate, within the framework of established international climate and research programmes,] each Party shall [undertake] [within their capabilities] research [and development] and systematic observation [in accordance with the means at their disposal].] [Parties that do not have the indigenous capability to undertake research and development will be ensured assistance as articulated in Article [V.1.]]

Beyond National Jurisdiction

[3. [In areas beyond national jurisdiction[s,] the Parties shall encourage cooperation in research [and development] and systematic observation, taking into account [relevant laws] [and activities] [and existing programmes] at both the national and international levels. Special measures shall be implemented to promote [equal] [full and open] access to data obtained [from these areas].

Strengthen Networks and Capacity

4. The Parties shall [implement measures, including] support [for] international and inter-governmental efforts [of competent bodies as decided by the Parties] to strengthen the observational networks and data collection and research capacities, particularly in developing countries, [and shall contribute to the development of an integrated global climate observing system built upon existing cooperative international meteorological and oceanographic observing systems].

[Possible Alternative to Articles [V.1. and V.2.]

SCIENTIFIC AND TECHNICAL RESEARCH, SYSTEMATIC OBSERVATION AND COOPERATION

1. The Parties shall initiate and cooperate in, directly or through competent international and intergovernmental bodies, scientific and technical research and systematic observation related to the climate system and climate change as elaborated in Annex I.
2. Within areas under its jurisdiction, each Party shall be responsible for undertaking scientific and technical research and systematic observation.
3. The Parties shall take into account the particular concerns and needs of developing countries and seek to promote the capacity and capability of all Parties to participate in these cooperative efforts.
4. The Parties shall support international and intergovernmental efforts to strengthen the observational networks and data collection as well as scientific and technical research capacities particularly in developing countries.
5. The Parties shall also seek to minimize duplication of effort in research and systematic observation by utilizing, where possible, existing competent international and intergovernmental bodies.]

V.3. EXCHANGE OF INFORMATION

In order to achieve the objective of the Convention, the Parties [shall] [may] facilitate and encourage, [taking into account the special circumstances of developing countries,] directly or [, as far as possible,] through [existing] competent international and intergovernmental organizations, full [, open] and timely exchange of relevant scientific, technological, technical, socio-economic and legal [available] information [as described in Annex II]. [The Parties recognize that cooperation under this Annex has to be consistent with national laws, regulations and practices regarding patents, trade secrets and protection of confidential and proprietary information.]

V.4. EDUCATION, TRAINING AND PUBLIC AWARENESS

Promotion

1. In order to increase the understanding of climate change [and the uncertainties surrounding it] and to facilitate appropriate responses, the Parties shall promote education, training and public awareness related to climate change.

National

2. At the national [and/or regional] level and in accordance with [national laws and regulations] [the means] at their disposal, the Parties shall promote and facilitate:
 - (a) The development and implementation of public awareness and education programmes on climate change;
 - (b) Public access to information on climate change;
 - (c) Public participation in addressing climate change issues and developing appropriate responses; and
 - (d) Appropriate training of scientific, technical and managerial personnel.

International

3. At the international level, using existing organizations, institutions and channels where appropriate, the Parties shall cooperate in and promote:
 - (a) The development and exchange of public awareness and educational material on climate change; and
 - (b) The development and implementation of education and training programmes, including the exchange or secondment of personnel, in particular for developing countries.

[Alternative to paragraph 3(b)]

- (b) The development and implementation of education and training programmes should be carried out by:
 - (i) Providing courses and skills particularly to developing countries in the developed countries' institutions in the short and medium term;
 - (ii) In the long term, assist developing countries build such institutions on their own; and
 - (iii) Exchange or secondment of personnel to train experts in this field in the developing countries.]