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SUBSIDIARY BODY FOR SCIENTIFIC AND TECHNOLOGICAL ADVICE
Eighteenth session
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Agenda item 7

RESEARCH AND SYSTEMATIC OBSERVATION

Addendum

Recommendation of the Subsidiary Body for Scientific and Technological Advice

The Subsidiary Body for Scientific and Technological Advice, at its eighteenth session, decided to consider, at its nineteenth session, the following draft decision with the aim of forwarding it for adoption by the Conference of the Parties at its ninth session:

Draft decision -/CP.9

Global observing systems for climate

The Conference of the Parties,

Recalling Article 4.1(g)–(h) and Article 5 of the Convention,

Further recalling its decisions 14/CP.4 and 5/CP.5,

Having considered conclusions of the Subsidiary Body for Scientific and Technological Advice at its fifteenth, sixteenth and seventeenth sessions,

Having considered and noted with appreciation the *Second Report on the Adequacy of the Global Observing Systems for Climate in Support of the UNFCCC*,

Recognizing the importance of collaboration among the sponsoring agencies responsible for the Global Climate Observing System,

Recognizing further the need for a clear definition of the long-term needs of the Convention and of the short-term priorities concerning the support of systematic observation and networks, in particular taking into account the needs of developing countries,

1. *Invites* the sponsoring agencies of the Global Climate Observing System, and in particular those of the Global Terrestrial Observing System, in consultation with other international or intergovernmental agencies, as appropriate, to develop a framework for the preparation of guidance

materials, standards and reporting guidelines for terrestrial observing systems for climate, and associated data and products, bearing in mind the importance of adhering to the principles of free and unrestricted exchange of data, and to submit a progress report on this issue to the Conference of the Parties at its eleventh session;

2. *Invites* the relevant national entities, in cooperation with the sponsoring agencies of the Global Climate Observing System and other international and intergovernmental agencies, to make available on a sustained basis a range of integrated climate products relevant to the needs of the Convention as identified in the second adequacy report;

3. *Invites* the Global Climate Observing System secretariat, in conjunction with the Global Ocean Observing System secretariat, to provide information to the Subsidiary Body for Scientific and Technological Advice, at its twenty-second session, on progress made towards funding the initial ocean climate observing system;

4. *Requests* the Global Climate Observing System secretariat, under the guidance of the Global Climate Observing System steering committee, taking into account international and intergovernmental mechanisms, to coordinate the development of a phased five- to ten-year implementation plan for the integrated global observing systems for climate, using a mix of high-quality satellite and in situ measurements, dedicated infrastructure and targeted capacity-building, such a plan being developed:

- (a) To draw on the second adequacy report and the views of Parties;
- (b) To take into consideration existing global, regional and national plans, programmes and initiatives;
- (c) To be based on extensive consultations with a broad range of scientists and data users;
- (d) To include indicators for measuring its implementation;
- (e) To identify resource requirements and funding options;

5. *Invites* the Global Climate Observing System secretariat to provide information to the Subsidiary Body for Scientific and Technological Advice, at its twenty-first session, on the development of the implementation plan;

6. *Urges* Parties in the position to do so, in particular, Parties included in Annex I to the Convention, to support, including by contributing to relevant funding mechanisms, the high-priority needs, as identified in the second adequacy report, in developing countries, especially the least-developed countries and small island developing States, noting that filling the gaps in the baseline atmospheric networks is an urgent need that should be met over the next two years;

7. *Encourages* the Global Climate Observing System secretariat, under the guidance of the Global Climate Observing Systems steering committee, to continue its efforts to establish a voluntary Global Climate Observing System funding mechanism to support high-priority needs, especially in developing countries, taking into account the special needs and situations of least developed countries and small island developing States, and to report to the Subsidiary Body for Scientific and Technological Advice, at its twentieth session, on the progress made in establishing the fund.
