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## Subsidiary Body for Scientific and Technological Advice

Forty-third session

Paris, 1–4 December 2015

Agenda item 8(a)

**Matters relating to science and review**

**Research and systematic observation**

### Research and systematic observation

#### Draft conclusions proposed by the Chair

1. The Subsidiary Body for Scientific and Technological Advice (SBSTA) noted with appreciation the statements delivered by representatives of the Global Climate Observing System (GCOS), the Intergovernmental Oceanographic Commission of the United Nations Educational, Scientific and Cultural Organization, the Intergovernmental Panel on Climate Change (IPCC), the World Meteorological Organization (WMO), and Australia on behalf of the Committee on Earth Observation Satellites (CEOS) and the Coordination Group for Meteorological Satellites (CGMS).<sup>1</sup>

2. It also noted with appreciation the report by GCOS entitled *Status of the Global Observing System for Climate* (hereinafter referred to as GCOS SR 2015),<sup>2</sup> which provides an assessment of the adequacy of the global observing system and progress made in the implementation of the *GCOS Implementation Plan for the Global Observing System for Climate in Support of the UNFCCC (2010)*, the executive summary of GCOS SR 2015,<sup>3</sup> and the draft outline of a new GCOS Implementation Plan (hereinafter referred to as GCOS IP 2016).<sup>4</sup>

3. The SBSTA noted the report of GCOS on the Enhancing observations to support preparedness and adaptation in a changing climate – learning from the IPCC 5<sup>th</sup> Assessment Report workshop, held on 10–12 February 2015 in Bonn, Germany, and welcomed the cooperation between GCOS, the IPCC and the secretariat in organizing the workshop.<sup>5</sup>

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<sup>1</sup> The statements are available on the UNFCCC website at <<http://unfccc.int/7528.php>>.

<sup>2</sup> Available at  
<[http://unfccc.int/files/documentation/submissions\\_from\\_observers/application/pdf/541.pdf](http://unfccc.int/files/documentation/submissions_from_observers/application/pdf/541.pdf)>.

<sup>3</sup> Available at  
<[http://unfccc.int/files/documentation/submissions\\_from\\_observers/application/pdf/542.pdf](http://unfccc.int/files/documentation/submissions_from_observers/application/pdf/542.pdf)>.

<sup>4</sup> Available at  
<[http://unfccc.int/files/documentation/submissions\\_from\\_observers/application/pdf/546.pdf](http://unfccc.int/files/documentation/submissions_from_observers/application/pdf/546.pdf)>.

<sup>5</sup> Available at  
<[http://unfccc.int/files/documentation/submissions\\_from\\_observers/application/pdf/543.pdf](http://unfccc.int/files/documentation/submissions_from_observers/application/pdf/543.pdf)>.



4. The SBSTA also noted the CEOS and the CGMS joint report on progress made by space agencies providing global observations on their coordinated response to relevant needs of the Convention.<sup>6</sup>
5. The SBSTA noted the WMO report on relevant outcomes of the seventeenth World Meteorological Congress, which was held in Geneva, Switzerland, from 25 May to 12 June 2015,<sup>7</sup> and progress made on the implementation of the Global Framework for Climate Services (GFCS).<sup>8</sup>
6. The SBSTA recognized the progress made in improving observing systems for climate, as relevant to the Convention, and encouraged GCOS to consider the outcomes of the twenty-first session of the Conference of the Parties when preparing the GCOS IP 2016.<sup>9</sup>
7. The SBSTA invited GCOS to collaborate with relevant partners to continue enhancing access to, and understanding and interpretation of, data products and information to support decision-making on adaptation and mitigation at national, regional and global scales.
8. The SBSTA urged Parties to work towards addressing the priorities and gaps identified in the GCOS SR 2015, and invited Parties and relevant organizations to provide inputs to, and contribute to the review of, the GCOS IP 2016.
9. The SBSTA welcomed the WMO supplement to the Technical guidelines for the National Adaptation Plan process<sup>10</sup> outlining how GFCS could provide support.
10. The SBSTA encouraged Parties and relevant organizations to enhance systematic observations related to the understanding and prediction of extreme events.

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<sup>6</sup> Available at  
<[http://unfccc.int/files/documentation/submissions\\_from\\_observers/application/pdf/538.pdf](http://unfccc.int/files/documentation/submissions_from_observers/application/pdf/538.pdf)>.

<sup>7</sup> <<http://cg-17.wmo.int/>>.

<sup>8</sup> Available at  
<[http://unfccc.int/files/documentation/submissions\\_from\\_observers/application/pdf/547.pdf](http://unfccc.int/files/documentation/submissions_from_observers/application/pdf/547.pdf)>.

<sup>9</sup> Available at  
<[http://unfccc.int/files/documentation/submissions\\_from\\_observers/application/pdf/546.pdf](http://unfccc.int/files/documentation/submissions_from_observers/application/pdf/546.pdf)>.

<sup>10</sup> See <<http://unfccc.int/7279.php>>.