

Executive Bodies of sponsoring organisations	Executive Bodies of partner organisations	GCOS Steering Committee	Date	Decision / Conclusion on :	Reference Document
			1992	GCOS established UNFCCC established	
	UNFCCC COP-3		Kyoto, 1997	COP asked SBSTA, in consultation with IPCC, to consider and report on the adequacy of the global observing system on climate	8/CP.3 (Kyoto Protocol) Development of observational networks of the climate system
	UNFCCC COP-4		Buenos Aires, 1998	Invites GCOS to initiate an intergovernmental process for addressing the priorities for action to improve global observing systems to climate in relation to the needs of the Convention.	14/CP.4 Research and systematic observation GCOS report, 1998 (first report) GCOS, 2003 (second adequacy report)
	UNFCCC COP-5		1999	Guidelines for national communications by Parties. GCOS to organise regional workshops to identify capacity building required on systematic observations.	4/CP.5 5/CP.5
			2001		IPCC AR3
	UNFCCC COP-9		Milano, 2004	COP Decision 11/CP.9: Requests the Global Climate Observing System secretariat, under the guidance of the GCOS Steering Committee, [...], to coordinate the development of a phased 5- to 10-year implementation plan [...].	11/CP.9 Global observing systems for climate GCOS 2004 Implementation Plan
	UNFCCC COP-10		2005	Space agencies response to GCOS IP	5/CP.10
		GCOS	2006	GCOS IP Satellite Supplement to IP2004	
			2007		IPCC AR4
		Paris,	27 – 30		

Executive Bodies of sponsoring organisations	Executive Bodies of partner organisations	GCOS Steering Committee	Date	Decision / Conclusion on :	Reference Document
		SC-17	Oct, 2009		
	SBSTA-30 / SBSTA-31		2009	COP Decision 9/CP.15 to provide an updated implementation plan, taking into account emerging needs in climate observation, in particular those relating to adaptation activities.	9/CP.15 (Copenhagen Accord) Systematic climate observations GCOS 2009 Progress Report;
		Geneva, SC-18	28 Sep – 1 Oct, 2010	Approved release of the IP-10 for general publication and for submission to the UNFCCC SBSTA-33 / COP-16	
	UNFCCC SBSTA-33 / COP-16		2010	SBSTA Conclusion to report on progress made on implementation and to review the adequacy of observing systems. Report Status of the Global Observing for Climate, alias GCOS Status Report, invited by Parties	GCOS Implementation Plan updated in 2010
	European Union		2010	European regulation on initial operation of environmental services within the Copernicus Initiative building on ECVs	Regulation (EU) No 911/2010 of the European Parliament and of the council of 22 September 2010 on GMES
	GFCS High-Level Task Force		2011	ECVs as key elements of the observations and monitoring pillar of the GFCS	GFCS High-Level Task Force – Report The report of the HLT was endorsed by the Sixteenth Session of the World Meteorological Congress (Geneva, 16 May to 3 June 2011, report),
				CEOS response	

Executive Bodies of sponsoring organisations	Executive Bodies of partner organisations	GCOS Steering Committee	Date	Decision / Conclusion on :	Reference Document
		Reading, SC-19	Sep, 2011	Initialising independent review of the programme	
	UNFCCC COP-17		Durban, 2011	Additional guidance to GEF [...] for strengthening and/or establishing systematic observations and monitoring network ...	11/CP.17
		UNFCCC SBSTA-36	May 2012		/SBSTA/2012/L.17
WMO EC-64			25 June – 3 July 2012	<p>General Summary 4.4.44</p> <p>The Council (EC-64) recalled the recommendation of Cg-XVI to strengthen the establishment of a GCOS improvement and assessment cycle, approved by the UNFCCC, as a priority activity. In this context, the GCOS Secretariat had been asked to report back on its proposals at the thirty-sixth session of the Subsidiary Body for Scientific and Technical Advice of the UNFCCC in May 2012. A new assessment of progress and adequacy report, building on identification of needs for adaptation and other services and informed by identification of uncertainties by the IPCC Fifth Assessment process would be prepared by early 2015. This third adequacy report would be followed by a new Implementation Plan, to be published in 2016. The GCOS Secretariat will review the data needs for adaptation and service provision in one or more workshops and link these workshops with UNFCCC and GFCS initiatives in late 2012 or early 2013. The Council (EC-64) supported the recommended planning, and suggested that follow-up workshops should include relevant representation</p>	Resolution 15 (EC-64) GCOS

Executive Bodies of sponsoring organisations	Executive Bodies of partner organisations	GCOS Steering Committee	Date	Decision / Conclusion on :	Reference Document
				<p>from the IPCC Working Groups I and II.”</p> <p>Mapped out proposal for next assessment cycle: liaising with UNFCCC; reviewing data needs for adaptation and service provision (2012-2013); linking with GFCS, UNEP and other initiatives; assessing general progress and adequacy (2013-2015), taking account of uncertainties identified by the IPCC Fifth Assessment process; formulating new Implementation Plan (2015-2016).</p> <p>Requests the presidents of the technical commissions and regional associations to ensure that the relevant actions identified in the Implementation Plan are incorporated, as appropriate, in the work plan of the commissions and in the operational plans of the associations, especially on the implementation of the WMO Integrated Global Observing System.</p> <p>Requests the Secretary-General to incorporate the relevant actions within the Implementation Plan into the WMO Programmes and coordinate with the presidents of technical commissions on their workplan.</p>	
		Geneva, SC-20	September, 2012		
	UNFCCC		Doha, 26	SBSTA invites GCOS Secretariat to submit a report on the	SBSTA/2012/L.25

Executive Bodies of sponsoring organisations	Executive Bodies of partner organisations	GCOS Steering Committee	Date	Decision / Conclusion on :	Reference Document
	SBSTA 37 / COP-18		Nov – 1 Dec 2012	assessment of the adequacy of the global observing systems for climate by SBSTA 43, and the final implementation plan to SBSTA 45 in 2016.	
Sponsors` Review Board			Dec 2012	WMO Secretary General appointed a Chair and invited sponsors to nominate a Review Board, in December 2012: Chairman: Wolfgang Kusch (Germany, WMO) Review Board, and appointed members by relevant organizations: Howard Diamond (USA, ICSU), Masao Fukasawa (Japan, IOC), Isabelle Niang (Niger, IOC), Neville Smith (Australia, WMO), Martin Visbeck (Germany, ICSU), Zhiliang Zhu (China, UNEP) Kick-Off meeting: 15 February 2013 First Meeting of the Board: 26-27 March 2013 Second Meeting of the Board: 28 – 30 October 2013 Review completed: April 2014	
Sponsors` Review Board			15 February 2013	Kick-Off meeting	
		GCOS Secretariat	26 – 28 February 2013	GCOS supporting GFCS: Congress (CG-17) noted with appreciation the outcome of the GCOS ‘Workshop on Observations Adaptation to Climate Variability and Change’ held from 26-28 February 2013, in cooperation with UNEP, the IOC of UNESCO and the Department of Energy and Climate Change (DECC) of the United Kingdom, at the headquarters of the German Meteorological Service	GCOS-166

Executive Bodies of sponsoring organisations	Executive Bodies of partner organisations	GCOS Steering Committee	Date	Decision / Conclusion on :	Reference Document
				(DWD) in Offenbach, Germany	
Sponsors` Review Board			26 – 27 March 2013	First Board Meeting, chaired by former PR of Germany to WMO	
WMO EC-65			15 – 23 May 2013	The Council (EC-65) was informed on the next steps of the GCOS improvement and assessment cycle. At the thirty-seventh session of the Subsidiary Body for Scientific and Technical Advice of the UNFCCC in November 2012, GCOS was invited to submit a Third Adequacy Report to SBSTA in 2015, and a new Implementation Plan in 2016, with a draft of the latter encouraged to be provided one year before. The GCOS programme has started on the process of producing reports on progress and adequacy of climate observation and the new plan, which should identify not only verifiable and costed actions as previously but also specific requirements for data products, to meet the needs for adaptation to variability and change and for provision of services, in addition to those for assessment and mitigation of climate change. The content will be based on input from a review of actions set out in the in 2010 up-dated Implementation Plan, from the recent Workshop on Observations for Adaptation to Climate Variability and Change (26-28 February 2013, Offenbach, Germany), from the fifth IPCC Assessment process through one or more workshops that include participation of lead authors from Working Group 1 and Working Group 2 and other experts, from the 2014 National Communications to UNFCCC, from panel chairs	

Executive Bodies of sponsoring organisations	Executive Bodies of partner organisations	GCOS Steering Committee	Date	Decision / Conclusion on :	Reference Document
				<p>and panel members and calling on one or several writing-team meetings, consultations and a public review. The Council supported the recommended planning and requested the GCOS Secretariat to report back on the process at EC-66.</p> <p>Requesting the GCOS Secretariat to report back on the process of the third assessment of progress and adequacy of global observing systems for climate and on the draft of a new Implementation Plan.</p>	
				<p>GCOS Programme Review: The Council (EC-65) noted the status of the sponsors' review of the GCOS programme. The GCOS programme has had substantial success in the past 20 years, but several new developments and some emerging issues have given rise to the need to re-examine the mandate and terms of reference of GCOS. The GCOS Steering Committee at its 19th session in 2011 welcomed an independent review of GCOS and appreciated the willingness of WMO to take the lead in seeking to carry this out in 2013. The review board had held its first meeting from 26 to 27 March 2013. The Council requested to be informed on the outcome of the review at its next session in 2014.</p>	
		Offenbach, SC-21	October, 2011		
Sponsors' Review Board			28 – 30 October	Second Meeting of the Board	

Executive Bodies of sponsoring organisations	Executive Bodies of partner organisations	GCOS Steering Committee	Date	Decision / Conclusion on :	Reference Document
			2013		
	UNFCCC SBSTA-39/COP-19		Warsaw, 11 – 16 Nov 2013	Report on planning activities.	SBSTA/2013/L.25
			December 2013	GCOS Secretariat: Scoping Meeting on the GCOS Status Report	
			Through out 2014	GCOS Secretariat: World wide information collection	
Sponsors` Review Board			April 2014	Review completed: 18 Recommendations addressing: <ul style="list-style-type: none"> ▪ Balance and Relevance of the GCOS MoU ▪ GCOS Programme Achievements ▪ Relationship of GCOS to international and national organizations ▪ GCOS Programme Functions, Mechanism and Governance ▪ Vision for the Future 	Full Report and Executive Summary (in all languages) GCOS-181
		GCOS Secretariat	5 -7 May 2014	GCOS supporting GFCS: Congress (CG-17) expressed again its appreciation for the findings of the joint workshop GCOS and the Global Observations for Forest Cover and Land Dynamics (GOFC-GOLD) on Observations for Climate Change Mitigation , Geneva, Switzerland, 5-7 May 2014	GCOS-185
WMO EC-66			18 – 27 June 2014	[...] Dr Stephen Briggs (European Space Agency), Chairperson of the GCOS Steering Committee with effect 1 March 2014 [...] stressed that a strengthened Global Climate Observing System will be a core contribution to the successful implementation of the Global Framework	EC-66 noted that the GCOS Secretariat will submit a draft of the progress report to Cg-17 in 2015 and report back on the process of a new

Executive Bodies of sponsoring organisations	Executive Bodies of partner organisations	GCOS Steering Committee	Date	Decision / Conclusion on :	Reference Document
				<p>for Climate Services (GFCS), because observations and monitoring constitute one of its essential pillars. The Council emphasized the role of GCOS in the development of Climate Services as the main basis of GFCS for information about the status of the climate system. [...] The Council (EC-66) reiterated its urgent call issued at EC-64 and EC-65 to Members to assist international and national organizations in the implementation of global observing systems for climate.</p> <p>The Council (EC-66) was informed about the planning process for the assessment of the adequacy of the global observing systems for climate. A progress report will be prepared for submission to GCOS' sponsoring organizations; WMO, the Intergovernmental Oceanographic Commission (IOC) of the United Nations Educational, Scientific and Cultural Organization (UNESCO), United Nations Environment Programme (UNEP) and the International Council for Science (ICSU) and Parties to the United Nations Framework Convention on Climate Change (UNFCCC), in the course of 2014 and early 2015. It will document how actions in the GCOS Implementation Plan have been or are being addressed, in reviewing the overall status of each Essential Climate Variable (ECV) and identifying gaps. It will be followed by a new Implementation Plan that will draw on the progress report. The evolving GFCS requires that the new Implementation Plan will consider new developments, systems and frameworks, such as the</p>	implementation plan.

Executive Bodies of sponsoring organisations	Executive Bodies of partner organisations	GCOS Steering Committee	Date	Decision / Conclusion on :	Reference Document
				<p>Global Earth Observation System of Systems (GEOSS), the WMO Integrated Global Observing System (WIGOS), the findings of the Intergovernmental Panel on Climate Change (IPCC) Fifth Assessment Report, Future Earth, Blue Planet, and the Programme of Research on Climate Change Vulnerability, Impacts and Adaptation (PROVIA). A draft version of the plan will be made available for public review in October 2015, to be finalized in the summer of 2016 to meet the timescale that had been indicated to the UNFCCC Subsidiary Body for Scientific and Technological Advice (SBSTA).</p>	
				<p>The Council (EC-66) was informed that the GCOS expert panels are currently reviewing the ECVs specified for each physical domain and cross-cutting topics. The next panel sessions in 2015 will consider the draft of the Progress Report prior to its release for public review, and will also consider the outcomes of dedicated workshops, to be held in early in 2015 in preparation of the new Implementation Plan.</p>	
				<p>The Council (EC-66) was informed that the review focused on assessing the added value the GCOS programme is giving to the Members of its sponsors and to the closely affiliated Earth Observation Community with respect to climate science research and climate politics. The programme review provided the basis for eventually revising the GCOS Memorandum of Understanding and updating the GCOS strategic plan. The Council noted that the major outcome of the review</p>	<p>Resolution 9 (EC-66) Review of the GCOS programme sign new MoU</p>

Executive Bodies of sponsoring organisations	Executive Bodies of partner organisations	GCOS Steering Committee	Date	Decision / Conclusion on :	Reference Document
				<p>is the general recognition of the normative work of GCOS in defining guidelines and setting principles. The review showed that a clear vision of the GCOS programme will be key for its future activities and success.</p> <p>The Council (EC-66) took note of the Synthesis Report of the GCOS Programme Review and encouraged the co-sponsors to take steps to implement the recommendations given in the report and to accordingly revise the GCOS Memorandum of Understanding.</p>	GCOS-181
ICSU General Assembly 31			31 Aug – 3 Sep 2014	<p>Report on planning and review process.</p> <p>Discussion:</p> <p>ICSU to renew and to strengthen its commitment to the GCOS programme, in particular:</p> <p>ICSU to provide regular guidance and advise to the GCOS strategic planning and to its Steering Committee.</p> <p>ICSU to support the implementation of a global observing system for climate in fostering the national network of GCOS coordinators, for example, funding team building efforts and regular meetings to exchange know-how (capacity building).</p> <p>Strengthening the GCOS Secretariat, for example, with secondments from the ICSU community.</p> <p>All GCOS sponsors should be encouraged to take steps to implement the recommendations and to accordingly revise the GCOS Memorandum of Understanding.</p>	

Executive Bodies of sponsoring organisations	Executive Bodies of partner organisations	GCOS Steering Committee	Date	Decision / Conclusion on :	Reference Document
		Geneva, SC-22			
		UNFCCC SBSTA-41 / COP-20		SBSTA 41 noted the progress made by GCOS towards the development of a status report that will be presented at SBSTA 43. This status report includes the assessment of the adequacy of the global observing system and the progress made in the implementation of the 2010 GCOS Implementation Plan. SBSTA 41 also welcomed the draft outline for a new implementation plan and encouraged to submit the final plan to SBSTA 45.	SBSTA/2014/L.19
		GCOS Secretariat	10 – 12 February 2015	GCOS supporting GFCS: Congress (Cg-17) further was pleased to note the report on the GCOS workshop “ Enhancing observations to support preparedness and adaptation in a changing climate – Learning from the IPCC 5th Assessment Report ”, which had been held in collaboration with UNFCCC and IPCC, 10-12 February 2015, in Bonn, Germany	GCOS-191
WMO Cg-17			25 May – 12 June 2015	Congress (Cg-17) commended the GCOS SC for evolving the programme on the basis of the review, which entails also the evolving explanation of accuracy requirements and the reinforcing to mend the weaknesses in the global observing systems. Congress (Cg-17) also noted that in parallel with the Status Report, GCOS has started drafting a new Implementation Plan which requires that GCOS will consider new developments, systems and frameworks,	Resolution 39

Executive Bodies of sponsoring organisations	Executive Bodies of partner organisations	GCOS Steering Committee	Date	Decision / Conclusion on :	Reference Document
				<p>such as the GFCS and GEOSS. It will also need to take into account the findings of the IPCC AR5, the Future Earth, the Blue Planet, and the PROVIA initiatives. The new GCOS Implementation Plan, to be published at the end of 2016, will be a milestone that will influence the agenda for climate observations on a global and regional scale. GCOS is planning to submit the Implementation Plan to the 45th session of SBSTA 45, at the 22nd meeting of COP, in 2016.</p>	
				<p>Congress (Cg-17) recommended that the Status Report and Implementation Plan should be submitted for review to relevant WMO Technical Commissions and the appropriate Expert Teams, before formal submission to UNFCCC.</p>	<p>GCOS-166 GCOS-185 GCOS-191</p>
				<p>Congress (Cg-17) commended GCOS for its successful initiatives which have been supporting effectively the GFCS in addressing the need for observation requirements for climate change adaptation and mitigation. Congress (Cg-17) requested that GCOS should continue to identify observational needs for climate services and recommended that the GCOS Secretariat should cooperate closely with the GFCS Office to ensure that the necessary resources are made available to further strengthen the Observation and Monitoring Pillar of the GFCS.</p>	
				<p>Congress (CG-17) was informed that the review focused</p>	

Executive Bodies of sponsoring organisations	Executive Bodies of partner organisations	GCOS Steering Committee	Date	Decision / Conclusion on :	Reference Document
				<p>on assessing the added value the GCOS programme is giving to the Members of its sponsors and to the closely affiliated Earth Observation Community with respect to climate science research and climate policies. The programme review provided the basis for revising the GCOS Memorandum of Understanding (MoU).</p> <p>Congress (CG-17) noted with appreciation the key outcomes of the review, which is the general recognition of the normative work of GCOS in defining guidelines and setting principles, and of the significance of the programme in general. Based on the full report, the review board prepared 18 recommendations to assist the sponsors in their considerations of further action to support the GCOS programme.</p> <p>Congress (Cg-17) commended the GCOS Steering Committee for evolving the programme on the basis of the review, which entails also the evolving explanation of accuracy requirements and the reinforcing to mend the weaknesses in the global observing systems.</p>	<p>Resolution 39 : Decides to strengthen and to continue GCOS as a programme of the Organization as regulated by the 1998 MoU with partners such as IOC, UNEP and ICSU, and as regulated by new MoU(s) agreed by international sponsors</p>
			2015		IPCC AR5
			24.7. – 7.9.2015	GCOS Secretariat: Public review GCOS Status Report	
IOC Assembly - XXVIII			22 – 23 July 2015	Report on the planning process. Reaffirms the IOC commitment to continue as sponsor.	IOC-XXVIII Decision 7.1.2
	Simon`s Town, SC-		29.9. – 1.10.2015	Approval of GCOS Status Report. Approve draft outline of new implementation plan.	

Executive Bodies of sponsoring organisations	Executive Bodies of partner organisations	GCOS Steering Committee	Date	Decision / Conclusion on :	Reference Document
		23		Designate writing team for implementation plan.	
	UNFCCC SBSTA-43 / COP21 (Paris)		7 – 12 December 2015	<p>Providing the GCOS Status Report to Parties for considerations, as invited by SBSTA-37.</p> <p>Submitting draft outline of the implementation plan.</p> <p>“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 COP 21 when preparing the GCOS IP 2016.</p> <p>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.</p> <p>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. “</p>	FCCC/SBSTA/2015/5 (L.18) GCOS-195 / GCOS-194
ICSU Exec Board			November 2015	Approved new MoU	At its 115 th meeting held at ICSU HQ in Paris, France, from 18-19 November 2015, the Executive Board (EB) has agreed that the MoU was necessary.
		Writing team	2 – 4 Feb 2016	Detailed outline and writing assignments	
		Open Science	2 -4 March 2016	Collecting community views. Inviting the science and operational community to	

Executive Bodies of sponsoring organisations	Executive Bodies of partner organisations	GCOS Steering Committee	Date	Decision / Conclusion on :	Reference Document
				<p>the interactions between systematic observations and the IPCC assessments, Observes that relevant WMO bodies are engaged in the review of the draft implementation plan, Decides to support its review process in asking Members, technical commissions, regional associations and WMO Programmes to actively promoting the draft plan during the period of the public review, to contribute to it and to request to feed their comments back to the GCOS Secretariat;</p> <p>Invites Members to contribute to the review of the draft implementation plan.</p>	<p>Circular letter from WMO SG to NMHS out on 20 July 2016. 2016-07-20-PR-6913-OBS-GCOS-GCOS-IP2016</p>
					<p>WMO addresses the ECVs and recognizes GCOS assessment and planning documents as statements of guidance</p>
			<p>10 June – 8 July</p>	<p>Limited review: Friendly Fire Review of Implementation Plan</p>	<p>Draft has been submitted for review, inter alia, to relevant WMO Technical Commissions and the appropriate Expert Teams, through WMO Secretariat staff.</p>
<p>IOC EC-49</p>			<p>7 – 10 June 2016</p>	<p>Approving draft MoU based on review process</p>	<p>IOC/EC-XLIX/2 Decision 4.3(IV)</p>

Executive Bodies of sponsoring organisations	Executive Bodies of partner organisations	GCOS Steering Committee	Date	Decision / Conclusion on :	Reference Document
	CGMS Plenary-44		9-10 June 2016	Reporting on plan	
			25 July – 8 Sep	Public Review of Implementation Plan	Open review Circular letter from WMO SG to NMHS out on 20 July 2016. 2016-07-20-PR-6913-OBS-GCOS-GCOS-IP2016
		Guayaquil, GCOS-24	4-6 October 2016	Approval of Draft Implementation Plan	
	UNFCCC SBSTA 45 / COP22 (Marrakesh)		7 – 12 Nov 2016	Submission of GCOS Implementation Plan Earth Information Day 8 Nov (based around implementing the GCOS IP) SBSTA noted the need for regional workshops as identified in the IP, and invited GCOS to organize such workshops. COP decision 19/CP.22	SBSTA/2016/4 (L26) 19/CP.22 Implementation of the global observing system for climate
WMO EC-69			10 – 17 May 2017	Decision on supporting the development of actions based on the GCOS implementation plan and climate indicators	Decision 14/EC-69 Doc 4.4/1 (EC-69)

Executive Bodies of sponsoring organisations	Executive Bodies of partner organisations	GCOS Steering Committee	Date	Decision / Conclusion on :	Reference Document
				<p>Welcomes the new implementation plan, The Global Observing System for Climate: Implementation Needs (GCOS-200), hereinafter referred to as the implementation plan, approved by the GCOS Steering Committee at its 24th session (October 2016, Guayaquil, Ecuador);</p> <p>Recognizes that Parties at the 22nd session of the UNFCCC Conference of the Parties noted in decision 19/CP.22 the important role of GCOS in meeting the need for climate observation and climate services under the Convention, welcomed the new implementation plan, submitted by the GCOS secretariat and prepared under the guidance of the GCOS Steering Committee; encouraged Parties to the Convention to work towards the full implementation of the plan and to consider what actions they can take to contribute towards its implementation; and invited United Nations agencies and international organizations to support its full implementation, as appropriate;</p> <p>Recognizes that the sixteenth session of CBS (CBS-16) has decided to support Members in the implementation of the actions identified in the GCOS implementation plan and especially those identified as important components of the WMO Integrated Global Observing System, which are actions: (1) related to network needs, and which ensure that observations meet GCOS requirements and that resources for networks are made available; (2) that promote open data, metadata, discoverability and long term access, and actions that</p>	

Executive Bodies of sponsoring organisations	Executive Bodies of partner organisations	GCOS Steering Committee	Date	Decision / Conclusion on :	Reference Document
				<p>ensure the delivery of operational products; and (3) aimed at promoting future improvements to the climate observing system [Decision 23 (CBS-16)];</p> <p>Notes that in accordance with the GCOS implementation plan the Secretariat has coordinated an action to identify a core set of climate change indicators to be used as a basis for reporting climate change to the public (Indicators of Climate Change, GCOS-206). [.....]</p> <p>Notes further the performance statistics and improvement plans as detailed in the reports on the GCOS surface network, GCOS upper-air network and GCOS Reference Upper-Air Network to regional association sessions [INF. 4.4 in Part II of the present report];</p> <p>Recognizes that the fifteenth session of CHy noted that 24 actions in the new GCOS implementation plan are of particular interest to CHy. The Commission appreciated the substantive contributions towards the GCOS implementation plan by the Global Terrestrial Network – Hydrology through its federated global data centres including <i>Global Runoff Data Centre, Global Precipitation Climatology Centre, International Groundwater Resources Assessment Centre</i> and the International Data Centre on Hydrology of Lakes and Reservoirs. CHy-15 in its Resolution 3/1 decided to recommend that, in view of the complexity of the GCOS implementation plan, one or more Open Panel of Commission for Hydrology Experts members explore</p>	

Executive Bodies of sponsoring organisations	Executive Bodies of partner organisations	GCOS Steering Committee	Date	Decision / Conclusion on :	Reference Document
				<p>what actions might be needed to help GCOS make better use of CHy observing capabilities, particularly to WMO Hydrological Observing System, in its hydrology and water resources-related actions;</p> <p>Recognizes further that ocean-related actions will need to be implemented by JCOMM, and that actions addressed to the satellite agencies will be brought to the attention of the Committee on Earth Observation Satellites and the Coordination Group for Meteorological Satellites;</p> <p>Observes that some of relevant WMO constituent bodies are already engaged in the development of work plans addressing the actions in the implementation plan;</p> <p>Endorses actions pertaining to WMO and observing systems coordinated by the Organization;</p> <p>Urges technical commissions and regional associations to address relevant actions in their work plans;</p> <p>Invites Members to contribute to the implementation of actions as discussed in the GCOS implementation plan;</p> <p>Requests the Secretary-General:</p> <p>(1) To provide guidance to Members and WMO constituent bodies on actions pertaining to the systems and networks coordinated by WMO to monitor and review progress in implementation;</p> <p>[...]</p>	
IOC-XXIX Assembly			21-29 June 2017	<p><u>Welcoming</u> the new implementation plan, <i>The Global Observing System for Climate: Implementation Needs</i> (GCOS-200, GOOS-214);</p>	IOC-XXIX Doc 6.2.3 Decision 6.1.2

Executive Bodies of sponsoring organisations	Executive Bodies of partner organisations	GCOS Steering Committee	Date	Decision / Conclusion on :	Reference Document
				<p><u>Recognizes</u> that ocean-related actions will need to be implemented by JCOMM and GOOS, and that actions addressed to the satellite agencies will be brought to the attention of the Committee on Earth Observation Satellites and the Coordination Group for Meteorological Satellites;</p> <p><u>Endorses</u> actions pertaining to IOC and its programmes;</p> <p><u>Urges</u> all IOC programmes to address relevant actions in their work plans;</p> <p><u>Invites</u> Member States to contribute to the implementation of actions as discussed in the GCOS implementation plan;</p> <p><u>Requests</u> the GCOS Secretariat to:</p> <p>provide guidance to Member States and IOC programmes on actions pertaining to the systems and networks coordinated by IOC to monitor and review progress in implementation;</p> <p>continue promoting a single minimal set of indicators that describes climate changes and to further refining them; and</p> <p>engage Member States and relevant mechanisms in regional implementation of the</p>	

Executive Bodies of sponsoring organisations	Executive Bodies of partner organisations	GCOS Steering Committee	Date	Decision / Conclusion on :	Reference Document
GCOS implementation plan.					
		GCOS-25 Hangzhou	October 2017		
ICSU General Assembly 32			Taipeh, Taiwan 23-26.10.217	merger with ISSC as pressing issue, therefore not attended by GCOS.	
	COP23 SBSTA47 (Bonn)		November 2017	SBSTA Conclusion: welcomed the report from GCOS on progress made on the IP, and CEOS/CGMS WG Climate; noted the regional workshops; invited CEOS/CGMS to report on progress at future SBSTA sessions; encouraged Parties to enhance systematic observations related to monitoring ECVs.	SBSTA/2017/7
	SBSTA48		May 2018		
WMO EC-70			May 2018	GCOS not on the agenda	
IOC EC-LI 2018			3 – 6 July 2018	Draft GCOS strategy introduced; Notes the development of the GCOS Strategy; Requests the Executive Secretary to work with the GCOS Secretariat and other-co-sponsors of GCOS to finalize and approve the GCOS Strategy.	IOC-EC-LI Doc 5.3 A 10-Year Strategy for GCOS
	COP24 SBSTA49 (Katowice)		1 – 13 Dec 2018		SBSTA did not conclude
		GCOS-26 23-26 Oct 2018, Helsinki			
Cg-18			3 – 14 June 2019	GCOS not on agenda	

Executive Bodies of sponsoring organisations	Executive Bodies of partner organisations	GCOS Steering Committee	Date	Decision / Conclusion on :	Reference Document
				<p>But there is: Resolution 20 (Cg-18) (WMO Contributions To The Provision Of Climate Information And Services In Support Of Policy And Decision-Making) Decides to establish a Climate Coordination Panel for coordination of WMO contributions to the provision of policy- and decision-supporting climate information and services; ...; Engagement of the operational WMO entities of the Climate Services Information System, including Global Producing Centres, Regional Climate Centres and NMHSs, and other relevant organizations, programmes and initiatives with whom cooperation and coordination is needed to strengthen WMO contributions to the provision of policy- and decision-supporting climate information and services;</p>	
WMO EC-71			17 – 19 June 2019	<p>GCOS Strategy as Draft decision from agenda withdrawn by WMO Executive Management</p> <p>But there is Resolution 4 (Climate Coordination Panel) Mandate: Coordinate and facilitate the integration of WMO Members’ and partners’ input into WMO and GFCS flagship products, including the WMO state of the climate report, greenhouse gas bulletins, GCOS reporting on the status of global observing systems for climate and on implementation needs, and GFCS reporting on the global status of climate services, inform Members of opportunities to review and comment on IPCC assessment and special reports, and integrate IPCC findings into WMO and GCOS assessments;</p>	Doc. 4.4(2)
	SBSTA50 Bonn		17 – 21 June 2019	SBSTA conclusion: (check against exact wording) welcoming the outcome of the Pacific and Uganda	

Executive Bodies of sponsoring organisations	Executive Bodies of partner organisations	GCOS Steering Committee	Date	Decision / Conclusion on :	Reference Document
				workshops and invite to Parties to implement the Pacific Plan; Pacific workshop resulted into the concept for GBON, promoted through WIGOS.	
IOC-XXX Assembly 2019			26 June – 4 July 2019	The Assembly, 1. Having examined the proposed Global Climate Observing System (GCOS) status report and work plan (IOC/INF-1377); 2. Accepts the GCOS work plan; 3. Calls on the other sponsors of GCOS - the World Meteorological Organization, United Nations Environment, and the International Science Council - to finalize and consider how they will help implement a GCOS Strategy, as well as this work plan; and 4. Urges Member States to take actions to facilitate its implementation.	IOC-XXX, Doc 7.1.2 WMO-ISC-IOC-UNEP Global Climate Observing System (GCOS) Work Plan
		GCOS-27 28 – 31 Oct 2019, Paris			
	COP25 SBSTA51 (Madrid)	1 – 13 Dec 2019	IPCC special reports have been submitted and IPCC has organized special events. GCOS, CEOS/CGMS, IOC, WCRP, WMO submitted statements Parties welcomed: – with appreciation Earth Info Day and the information which has been presented; – noted with concern the state of the global climate as reported at Earth Info Day; – highlighted the importance of and need for systematic observations, open data, and climate services;		FCCC/SBSTA/2019/L.15 Conclusion

Executive Bodies of sponsoring organisations	Executive Bodies of partner organisations	GCOS Steering Committee	Date	Decision / Conclusion on :	Reference Document
				<ul style="list-style-type: none"> – emphasized the vital role of GCOS and GOOS Satellite community informed about their ability to monitor CO2 and methane emissions from space; – underlined the importance of observations of the ocean, cryosphere and high mountains and need for support to vulnerable countries and regions (recognizing importance of further GCOS regional workshops); – re-emphasised the need for continued funding of observations. 	