

Intergovernmental Board on Climate Services

First Session

Geneva

1–5 July 2013

Abridged final report with resolutions



**World
Meteorological
Organization**

Weather · Climate · Water

WMO-No. 1124



GFCS

GLOBAL FRAMEWORK FOR
CLIMATE SERVICES



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GENERAL SUMMARY OF THE WORK OF THE SESSION

1. ORGANIZATION OF THE SESSION (agenda item 1)

1.1 Opening of the session (agenda item 1.1)

1.1.1 The President opened the first session of the Intergovernmental Board on Climate Services (IBCS) at 9:30 a.m. on Monday, 1 July 2013. He welcomed the members and all participants to the inaugural meeting of the IBCS. H.E. Alexandre Fasel, Ambassador and Permanent Representative of Switzerland to the United Nations Office and other International Organizations in Geneva, welcomed the participants to Geneva on behalf of the Swiss Confederation and delivered an opening statement. The list of participants is given in the [appendix](#) to the present report.

1.1.2 Following the introductory statements of the President and the Secretary-General (see agenda item 2), the President proceeded with a number of organizational agenda items, prior to commencing the Dialogue on “Operational Climate Services: Dialogue on Practical Action”.

1.2 Establishment of the Credentials Committee (agenda item 1.2)

In accordance with General Regulations 23 and 24, the Intergovernmental Board on Climate Services established a Credentials Committee, comprising principal delegates of the following Members:

- Regional Association I – Congo
- Regional Association II – Kuwait
- Regional Association III – Uruguay
- Regional Association IV – Belize
- Regional Association V – Fiji
- Regional Association VI – Italy

Mr De Leonibus, principal delegate of Italy, was elected chairperson of the Credentials Committee.

1.3 Approval of the agenda (agenda item 1.3)

The Intergovernmental Board approved the provisional agenda on the understanding that amendments may be introduced in the course of the session in accordance with the provisions of Regulation 160 of the General Regulations.

1.4 Report of the Credentials Committee (agenda item 1.4)

The Credentials Committee submitted two reports concerning the credentials of the delegates of Members, non-members, Organizations of the United Nations system, other intergovernmental organizations and other organizations. The Committee found that the credentials of 123 WMO Members were in order. These reports were approved by the Board.

1.5 Establishment of committees (agenda item 1.5)

1.5.1 The following committees were established:

Nomination Committee

1.5.2 In accordance with the provisions of Regulations 25 and 26 of the General Regulations, the Nomination Committee was established composed of the principal delegates of the following 12 Members:

- Regional Association I – Guinea and United Republic of Tanzania
- Regional Association II – Qatar and Republic of Korea
- Regional Association III – Chile and the Bolivarian Republic of Venezuela
- Regional Association IV – Panama and United States of America
- Regional Association V – Indonesia and Philippines
- Regional Association VI – Slovenia and Sweden

Ms Hall Eriksson, principal delegate of Sweden was elected chairperson of the Nomination Committee. The Committee submitted its report to the IBCS before agenda item 3.1 was considered.

Coordination Committee

1.5.3 In compliance with the provisions of Regulation 29, a Coordination Committee was established. The Committee was assisted by the Assistant Secretary-General.

Sub-committees

1.5.4 An open sub-committee was established for in-depth discussion and detailed consideration of the following:

- Functions and membership of the Management Committee;
- The mode of operation of the Partner Advisory Committee.

1.6 Programme of work of the session (agenda item 1.6)

Working hours of the meetings were established as 9:30 to 12:30 and 14:30 to 17:30. The necessary arrangements concerning the allocation of agenda items to the plenary were made.

2. INTRODUCTORY STATEMENTS (agenda item 2)

2.1 Statement by the President of the Organization (agenda item 2.1)

The President welcomed the participants of the IBCS-1 meeting. The President underlined that the Global Framework for Climate Services (GFCS) had entered the implementation phase, with a governance structure and Implementation Plan endorsed by the Extraordinary Session of the World Meteorological Congress in October 2012. He reminded the members of IBCS of the need to agree on the key principles and elements that would enable further development of the GFCS, including the definition of processes and substructures supporting the advancement of the Implementation Plan and the election of Chair, Vice-Chair and Management Team. The President emphasized that the success of the GFCS would be measured by the effectiveness and sustainability of a global partnership serving national and regional climate interests and empowering people around the world to adapt and respond to the impacts of climate variability and change. The President highlighted that the GFCS would capitalize on known capabilities through coordination of existing initiatives and mechanisms while strengthening capacities where they were lacking, noting that WMO partners and constituent bodies and programmes were working to

identify specific contributions to the GFCS and that regional associations, technical commissions and National Meteorological and Hydrometeorological Services would have an opportunity to lead early actions to strengthen the production, availability, delivery and application of science-based climate predictions and services for food security, water resources management, health and disaster risk reduction

2.2 Statement by the Secretary-General of the Organization (agenda item 2.2)

The Secretary-General welcomed all participants to the meeting. He acknowledged the important financial and in-kind contributions made by Members to the GFCS and the support provided by partners from the United Nations system and beyond. This has enabled the implementation of several pilot projects to develop national and local capacities in climate services in Africa that would soon be followed by projects in other regions. Regional workshops have been held in several parts of the world to review the current status of generating climate information in their regions, assess their needs for climate services and discuss and recommend improved arrangements for national observation networks and capacity building actions. In the coming months workshops would be held in other regions. In this regard, the Secretary-General noted that the Compendium of GFCS Projects developed as a portfolio of ideas to address the different goals of the GFCS could be further adapted to regional and national priorities through consultations. He informed the meeting that, to ensure effective cooperation with partners at the strategic and project level, inter-agency coordination mechanisms have been established (Project Oversight Board and Interagency Coordination Group) and that Joint Project Offices with UN partners are also being established. Finally, the Secretary-General drew the attention of the Board on the financial requirements and the funding mechanisms available to support the implementation of the GFCS and its supportive machinery.

2.3 Statement by the host Government (agenda item 2.3)

H.E. Alexandre Fasel, Ambassador and Permanent Representative of Switzerland to the United Nations Office and other International Organizations in Geneva, welcomed the participants to Geneva on behalf of the Swiss Confederation. He recalled the process that led to the establishment of the Global Framework for Climate Services as an initiative that was widely acknowledged as useful and necessary to respond to the challenges of climate variability and climate change. He underlined that the implications of climate variability and climate change reach further than the scope of the WMO and that the success of the GFCS would largely depend not only on the leadership of WMO but also on the contribution of relevant bodies from the United Nations system and other stakeholders. In this regard, Ambassador Fasel emphasized the need for the GFCS to remain an efficient instrument, building on existing bodies and structures in and outside WMO. He referred to the particular need to develop a sensible climate data policy that would facilitate access to and maximize use of data by actual and potential users of climate services. He indicated that international cooperation is a powerful tool to raise capacity in climate services, as in the example of the CLIMANDES project between Switzerland and Peru. Finally, he informed that Switzerland was supporting the organization of the session through free conference facilities and a contribution of 150 000 Swiss francs and express the willingness of the Swiss Government to host the second session of IBCS with similar support in 2014.

3. ELECTIONS (agenda item 3)

3.1 Chair and Vice-chair (agenda item 3.1)

3.1.1 In order to fulfil the mandate given to the Board by the Congress in order to oversee and provide the overall management of the development and implementation of the GFCS, the Board unanimously agreed that the Board shall be managed until the end of the next ordinary session of the Board by one Chair, and that the office of the Vice-Chair shall be shared by two co-Vice-chairs.

3.1.2 The Intergovernmental Board on Climate Services unanimously elected Mr A. ELIASSEN (Norway), Regional Association VI, as its Chair.

3.1.3 The Intergovernmental Board on Climate Services unanimously elected Mr L. RATHORE (India), Regional Association II, and Ms L.MAKULENI (South Africa), Regional Association I, as its co-Vice-chairs.

3.1.4 To ensure transparency, this decision of the Board shall be reported to the next session of Congress.

3.1.5 The Intergovernmental Board on Climate Services expressed its deep gratitude to the President of WMO, Dr D. Grimes, for his initial chairmanship of the Intergovernmental Board on Climate Services. At the request of the new Chair, the Board unanimously agreed that the President of WMO would continue to preside over the first meeting for the rest of the session.

3.2 Management Committee of the Intergovernmental Board on Climate Services (agenda item 3.2)

3.2.1 Pursuant to Resolutions 1 (Cg-Ext.(2012)) – Implementation plan of the Global Framework for Climate Services and Resolution 2 (Cg-Ext.(2012)) – Establishment of the Intergovernmental Board on Climate Services, the Board considered the establishment of its Management Committee and the definition of its terms of reference.

3.2.2 Having considered that, in accordance with its Terms of Reference, “the Management Committee shall be composed of the Chair, the Vice-Chair and Members’ representatives from each WMO Regional Association and respecting equitable geographical representation and paying special attention to gender balance”, the Intergovernmental Board on Climate Services (IBCS) adopted [Resolution 1 \(IBCS-1\) – Establishment of the Management Committee of the Intergovernmental Board on Climate Services](#).

3.2.3 The Board requested the Management Committee to develop a draft recommendation to be submitted by IBCS to Seventeenth Congress on an appropriate interaction mechanism between the IBCS and WMO constituent bodies, namely the Executive Council, technical commissions and regional associations, taking into account the possible financial implications.

3.2.4 The IBCS designated the members of the Management Committee, in addition to the Chair and the Vice-Chairs of the IBCS, from amongst the principal members nominated by WMO Members, as reflected in the [annex](#) to this report.

3.2.5 Taking into account financial resources required to support the Management Committee, the IBCS was of the view that at least one meeting of the Committee should be held following the closure of the IBCS regular session.

4. FOLLOW-UP TO THE DECISIONS OF THE WORLD METEOROLOGICAL CONGRESS ON THE INTERGOVERNMENTAL BOARD ON CLIMATE SERVICES (agenda item 4)

4.1 Implementation Plan of the Global Framework for Climate Services (agenda item 4.1)

4.1.1 The Intergovernmental Board on Climate Services (The Board) recalled Resolution 47 (Cg-XVI) – Response to the Report of the High-level Taskforce on the Global Framework for Climate Services, and Resolution 1 (EC-LXIII) – Establishment of an Executive Council Task Team on the Global Framework for Climate Services, and expressed its appreciation for the work done for the completion of the Implementation Plan of the GFCS.

4.1.2 The Board further recalled Resolution 1 and 2 (Cg-Ext.(2012) and expressed its satisfaction with the materials that were entrusted to it.

4.1.3 The Board expressed its appreciation to the Secretary-General of WMO and partner agencies for the support provided in the development of the Implementation Plan of the Framework. It also appreciated the early actions in the implementation of the Framework through pilot projects. Furthermore, it appreciated the advocacy to publicize and make the Framework widely known through seminars, workshops as well as various publications produced in partnership with partner agencies to ensure early delivery of the Framework.

4.1.4 The Board expressed its appreciation to the governments of Australia, Canada, China, Hong Kong (China), India, Indonesia, Ireland, Norway, Republic of Korea, Switzerland and the United Kingdom of Great Britain and Northern Ireland who have contributed to the GFCS Trust Fund. It also appreciated the contributions of Members who have provided in-kind contributions to the GFCS, specifically, Australia, Brazil, Germany, Italy, Portugal, the United Kingdom and the United States of America for providing experts to the GFCS Office, supporting the writers involved in the development of the Implementation Plan of the GFCS and its Annexes and Exemplars and supporting the translation of GFCS-related publications. It noted, however, that more contributions are required to ensure successful implementation of the Framework.

4.1.5 The Board discussed the Implementation Plan of the Global Framework for Climate Services and identified a number of additional inputs that should be included in the next version of the Implementation Plan, including, inter alia, the integration of in-situ and remotely sensed observations, improving our understanding of how the climate change in the polar regions influences the climate on a global and regional level, practicalities around the establishment of national sources for authoritative climate information and the need for training of professionals in climate service development and delivery. The Board requested the Secretariat to record the proposed edits and inclusions in a revised version of the implementation plan to be presented at the next session of the Board.

4.1.6 The Board adopted [Resolution 2 \(IBCS-1\) – Implementation Plan of the Global Framework for Climate Services](#).

Pillars of the Global Framework for Climate Services

4.1.7 The Intergovernmental Board on Climate Services (The Board) recalled Resolution 47 (Cg-XVI), Resolution 48 (Cg-XVI) – Implementation of the Global Framework for Climate Services, and Resolution 1 ((Cg-Ext.2012) and expressed its appreciation for the development of the Annexes to the Implementation Plan of the GFCS.

4.1.8 The Board noted that the Annexes elaborate the Framework's five functional components, or pillars, that are described in the Plan. These pillars – the User Interface Platform; the Climate Service Information System; Observation and Monitoring; Research, Modelling and Prediction; and Capacity Development – will underpin the production and delivery of effective climate services. Cutting across the initial four priority areas (agriculture and food security, water, health and disaster risk reduction), they create a matrix that forms a comprehensive picture of how the Framework will operate.

4.1.9 The Board discussed the Annexes to the Implementation Plan of the Global Framework for Climate Services and identified a number of additional inputs that should be included in the next versions of the Annexes, including, inter alia, the need for training in the ongoing maintenance of systems to collect and store climate data, the lack of availability of ocean data and improvements to the structure of the Annexes. The Board requested the Secretariat to update the Annexes to the Implementation Plan taking into consideration the edits and inclusions provided by the participants.

4.1.10 The Board noted that almost all of the work done under the WMO Commission for Climatology (CCI) can be viewed as a direct contribution to the GFCS, and that the Sixteenth

session of Congress (Cg-XVI) recognized that CCI would have a central role in the implementation of the GFCS. The Board was informed that the fifteenth session of CCI (CCI-15) had given a high priority to the GFCS and adopted its working structure in close alignment with the GFCS including Climate Data Management, Climate Monitoring and Assessment, Climate Products and Services and Climate Information for Adaptation and Risk Management. The Board further noted that CCI is also engaged in fostering Quality Management for Climatology, and is developing strategies for Capacity Development for Climate Services, which largely take into account the requirements of the GFCS. The Board recognized the value of these initiatives to the GFCS implementation priorities. The Board invited CCI to continue its support to GFCS-related activities, including through suitably evolving working structures and collaboration with other WMO bodies.

4.1.11 In relation to the delivery of the climate service information system it was further noted that the WMO Commission for Basic Systems, other relevant technical commissions and other co-sponsored bodies would have a crucial role in promoting the use of the WIS and WIGOS. WIS compliance of relevant components of CSIS is necessary.

4.1.12 The Board adopted [Resolution 3 \(IBCS-1\) – Pillars of the Global Framework for Climate Services](#).

Initial priority areas

4.1.13 The Board recalled Resolution 47 (Cg-XVI), Resolution 48 (Cg-XVI) and Resolution 1 (Cg-Ext.(2012)) and expressed its appreciation for the development of the Exemplars as part of the User Interface Platform component or pillar of the GFCS.

4.1.14 The Board noted with appreciation the contribution, support and leading role played by the partner agencies leading the initial four priority areas of the GFCS in the development of the Exemplars.

4.1.15 The Board noted that the Exemplars are part of the User Interface Platform and provide details of activities required to enable effective climate services for the four current and future priority areas of the GFCS. The Exemplars consider how the approach proposed by the general Implementation Plan could be adapted and applied to each of the four initial priority areas. Furthermore, the Exemplars contain the essential elements that need to be put in place to ensure that climate information and services will effectively support decision-making in the four initial priority areas.

4.1.16 The Board noted with appreciation the offers of ongoing support from partner agencies who had been involved in the development of the Exemplars, including, UNDP, UNESCO, FAO, WHO and WFP. The Board stressed the importance of the Exemplars in the development and implementation of the User Interface Platform, especially at the national level, including the involvement of all relevant stakeholders. The Board noted that access to information was going to be a key factor in the implementation of the GFCS and that a strategic approach was called for in this regard. The Board requested the Secretariat to record any edits or inclusions proposed for the Exemplars and bring revised versions back to its next session.

4.1.17 The Board adopted [Resolution 4 \(IBCS-1\) – Initial priority areas](#).

Compendium of projects under the Global Framework for Climate Services

4.1.18 The Intergovernmental Board noted that for the GFCS to contribute to enhanced outcomes in agriculture and food security, water resources management, health and disaster risk reduction, implementation of concrete activities and projects across the pillars or components of the GFCS and the initial priority areas must be given priority. These activities and projects should promote the required integration, interaction and capacity development across the pillars and priority areas with a view to deliver, operationally, the products and services that will support effective decision-making;

4.1.19 The Board recognized the interconnected and complimentary nature of the activities contained in the Compendium, which will require the coordination and involvement of various actors, stakeholders and partners.

4.1.20 The Board considered the activities contained in the Compendium and expressed their satisfaction with the Compendium noting that the projects provide an excellent basis for the implementation of the GFCS.

4.1.21 The Board adopted [Resolution 5 \(IBCS\) – Compendium of projects under the Global Framework for Climate Services](#).

Monitoring and evaluating implementation of the Global Framework for Climate Services

4.1.22 The Intergovernmental Board recalled Resolution 1 (Cg-Ext.(2012) and Resolution 2 (Cg-Ext.(2012) and noted that effective monitoring and evaluation mechanisms checking the progress of activities implemented under the GFCS and assessing their effectiveness to ensure that the Framework promotes effective decision-making about climate-related issues need to be established and maintained as a continuous process.

4.1.23 The Board further noted that the monitoring and evaluation mechanisms would have to be established and agreed through the GFCS governance to foster adequate oversight for monitoring the stream flow of projects and activities, and should provide avenues for reporting to the existing governance mechanism of the Framework and stakeholders. Monitoring and evaluation would have to be integrated in the various levels of governance of the GFCS, from the global to the national level with two thrusts: (a) to assess activities' progress; and (b) to measure achievement in meeting the GFCS's larger goals for improved usage of climate knowledge in support of decision-making.

4.1.24 The Board agreed that monitoring and evaluation of the implementation of the GFCS activities will ensure that the appropriate programmatic and financial controls are in place to implement projects in a manner consistent with UN system and/or WMO procedures and guidelines as appropriate. In addition, the User Interface Platform will allow monitoring and evaluation of how the overall objectives of the Framework are being met. The definition of criteria for monitoring and evaluation, including development of suitable performance indicators would be specific to each project. Consistency of delivery, speed and quality of the product delivery and the related economic costs and benefits would be key considerations. Specific project goals would have to be evaluated against the achieved outcomes and their value to the specific sector or user communities.

4.1.25 The Board discussed the monitoring and evaluation of implementation of the Global Framework for Climate Services and provided the following guidance:

- (a) Monitoring and evaluation in the GFCS should promote accountability for the achievement of GFCS objectives through the assessment of results, effectiveness, processes, and participation of the partners involved in its activities. GFCS results should be monitored and evaluated for their contribution to enable better management of climate services;
- (b) Monitoring and evaluation should promote learning, feedback, and knowledge sharing on results and lessons learned among the GFCS and its partners, as a basis for decision-making on policies, strategies, programme management and projects; and to improve performance;
- (c) An impact assessment of the products and services produced under the GFCS showing the added value of the framework should form part of the evaluation and sustaining and improving the quality of the data and information services of the GFCS;

- (d) The monitoring and evaluation process will need to take into consideration that the priorities will differ at the various levels, global, regional and national, especially with respect to capacity development. Therefore different evaluation criteria and processes may be required, including for both project and GFCS programme performance, in line with [Resolution 6 \(IBCS\) – Monitoring and evaluating implementation of the Global Framework for Climate Services](#);
- (e) The monitoring and evaluation process will need to inform donors, development partners and the World Meteorological Congress of the effectiveness and efficiency of the GFCS in meeting its objectives.

4.1.26 The Board adopted [Resolution 6 \(IBCS\) – Monitoring and evaluating implementation of the Global Framework for Climate Services](#).

4.2 Establishment of bodies reporting to the Intergovernmental Board on Climate Services (agenda item 4.2)

Stakeholder engagement mechanism

4.2.1 Pursuant to Resolution 2 (Cg-Ext.(2012)), the Intergovernmental Board for Climate Services considered possible stakeholder engagement mechanisms that are compliant with the WMO legal framework and practices and in keeping with established UN norms and practices.

4.2.2. The IBCS recognized the potential of the practices in use for the World Meteorological Congress as per Rule 1 of the Rules of Procedure of the IBCS, e.g. *mutatis mutandis*, use of Regulation 19 of the General Regulations with the understanding that the wording “the president of any constituent body” is replaced by “the Chair of the IBCS”.

4.2.3 Having analyzed the potential benefit for the effectiveness of the GFCS development and implementation, the IBCS adopted [Resolution 7 \(IBCS-1\) – Establishment of a stakeholder engagement mechanism and participation of GFCS stakeholders in the work of the Intergovernmental Board on Climate Services](#) with its [Annexes 1 and 2](#).

4.3 Financial matters (agenda item 4.3)

Resource mobilization

4.3.1. The Board recalled Resolution 1 (Cg-Ext.(2012)) and Resolution 2 (Cg-Ext.(2012)) and recognized that implementation of the Global Framework for Climate Services (GFCS) will require resources. Resources will be required to support: (a) the institutional structure of the GFCS including the Board and its sessions, an Office, the substructure and activities of the Board; as well as (b) the project and activities that will deliver outcomes around the pillars and priority areas.

4.3.2 The Board noted that to secure appropriate funding for the GFCS, support from Members and partnerships with UN and international agencies, regional organizations including regional development banks, funding initiatives supporting major global issues and GFCS-related activities under the pillars and initial priority areas, were required.

4.3.3 The Board expressed its gratitude to the Members who have contributed funds to the GFCS Trust Fund, including Australia (CHF 484 000); Canada (CHF 5 796 000); China (CHF 200 000); Finland (CHF 461 700); Hong Kong, China (CHF 9 520); India (CHF 118 000); Indonesia (USD 650 000); Ireland (CHF 488 400); Norway (CHF 18 885 000); Republic of Korea (CHF 126 368), Switzerland (CHF 950 000) and the United Kingdom (CHF 350 000). Furthermore, it expressed its appreciation to Germany and Italy for providing in-kind contributions through the provision of staff to the GFCS Office, as well as to Australia, the United Kingdom and the United States for supporting the writers who were involved in the development of the draft Implementation

Plan of the GFCS. It thanked Brazil and Portugal for supporting the translation of GFCS-related materials.

4.3.4 The Board noted that while these funds have been useful in enabling the development of the draft implementation plan and supporting early implementation of the GFCS, full implementation of the GFCS will require additional resources.

4.3.5 The Board noted that implementation of the GFCS will involve activities and projects directly supported by the GFCS Trust Fund as well as contributions and direct support from partners agencies and stakeholders based on a set of principles and criteria agreed and approved by the IBCS.

4.3.6 The Board stressed that partner organizations should play a key role by mainstreaming GFCS-related activities in their institutional mechanisms.

4.3.7 The Board was informed of the costs of undertaking some of the administrative arrangements for the implementation of the GFCS, including, for example, the budget for holding an Intergovernmental Board Meeting in Geneva (CHF 686 140), the budget for holding a fully funded meeting of the Management Committee (CHF112 560) and the annual cost of the Office staff required to supporting the operations of the GFCS (CHF 1 379 605).

4.3.8 The Board discussed strategies for resource mobilization for implementation of the Global Framework for Climate Services and made the following comments:

- (a) The Board appreciated the contributions made by many countries to the GFCS, but noted that countries had also contributed in many other ways to the activities which support the implementation of the GFCS, including for example contributions made by Japan to GCOS;
- (b) The Board also appreciated that there was considerable activity at the national level that also contributed to the implementation of the GFCS and requested the Management Committee to establish a process to capture these contributions to the framework;
- (c) The Board noted that it was essential that the resources available to the GFCS are used in the most efficient and effective manner to support the substantial activities and that the administrative costs are kept to a minimum;
- (d) The Board welcomed the support provided to the Least Developed Countries, Small Island Developing States and Land Locked Developing Countries to attend the meetings of the Board and noted that, to date this support had been provided primarily to the service provider community, and that additional representation from the user community, at the national level may be of advantage to the deliberations of the Board.

4.3.9 The Board adopted [Resolution 8 \(IBCS-1\) – Resource mobilization](#).

5. DATE AND PLACE OF THE SECOND SESSION OF THE INTERGOVERNMENTAL BOARD ON CLIMATE SERVICES (agenda item 5)

5.1 Pursuant to Resolution 2 (Cg-Ext.(2012)) the Intergovernmental Board on Climate Services considered the options for holding its second session.

5.2 The Board decided that the second session of the Intergovernmental Board on Climate Services will be held from 10 to 14 November 2014, in Geneva.

6. CLOSURE OF THE SESSION (agenda item 6)

The first session of the Intergovernmental Board on Climate Services closed on Friday, 5 July 2013 at 11.30 am.

RESOLUTIONS ADOPTED BY THE SESSION

Resolution 1 (IBCS-1)

ESTABLISHMENT OF THE MANAGEMENT COMMITTEE OF THE INTERGOVERNMENTAL BOARD ON CLIMATE SERVICES

THE INTERGOVERNMENTAL BOARD ON CLIMATE SERVICES,

Noting Resolution 2 (Cg-Ext.(2012)) – Establishment of the Intergovernmental Board on Climate Services,

Bearing in mind the role and authority of the Intergovernmental Board on Climate Services as a primary organ of the Governance of the Global Framework for Climate Services (GFCS) and the importance of effectiveness and efficiency in fulfilling its functions under its Terms of Reference,

Recognizing the need for the active participation of members in a Management Committee to carry out the decisions of the Board in the intersessional period,

Decides to establish its Management Committee with the terms of reference set out in the annex to this resolution;

Invites the Secretary-General to inform partner organizations of this resolution.

Annex to Resolution 1 (IBCS-1)

TERMS OF REFERENCE OF THE MANAGEMENT COMMITTEE OF THE INTERGOVERNMENTAL BOARD ON CLIMATE SERVICES

These terms of reference specify functions and responsibilities, membership, mode of operation and financing of the Management Committee of the Intergovernmental Board on Climate Services (hereunder referred as the “IBCS”).

I. Functions of the Management Committee

1. The Management Committee shall operate under the guidance of, and be accountable to, the IBCS. The Committee has the mandate to carry out the decisions and requests of the Board during the intersessional period. In particular, the Committee is asked to provide advice and recommendations on technical, scientific or organizational issues to the IBCS and take decisions on behalf of the IBCS on specific matters as defined in the Terms of Reference. The Committee shall discharge its mandate through the following specific activities supporting IBCS functions:

- (a) To support the IBCS in carrying out the decisions and requests of the Board in the intersessional period;
- (b) To assist the IBCS Chair in discharging his/her duties as defined in IBCS Terms of Reference 7;
- (c) To support the Board on the establishment of sub-structures of the IBCS with due consideration of the expertise available in existing bodies of WMO and Partners;

- (d) To ensure that the views of the Partner Advisory Committee (PAC) are considered in the planning and execution of Management Committee duties and relevant information and proposals are submitted to PAC for its consideration and advice;
- (e) To support IBCS function 2 (a), (b), (d), (e), (g) and (h);
- (f) To perform such other functions as may be conferred on it by the IBCS.

2. The Management Committee may establish working groups and task teams and define their Terms of Reference and membership as may be required, in carrying out its work. Their continued existence should be reviewed at each meeting of the Management Committee and the IBCS.

II. Membership

3. The membership of the Committee is limited to principal members of the IBCS designated by the WMO Members with due consideration of regional balance, gender balance and required expertise, and is decided at each regular sessions of the IBCS.

4. Initially, the Management Committee shall be composed of 28 members including the Chair and Vice-Chair, or co-Vice-Chairs, with the following distribution across RAs: Region I (Africa): 6; Region II (Asia): 5; Region III (South America): 3; Region IV (North America, Central America and the Caribbean): 4; Region V (South-West Pacific): 4; and Region VI (Europe): 6.

5. The following principles will apply to the membership of the Management Committee:

- (a) The selection of Management Committee members, beside the Chair and the Vice-Chair, or co-Vice-Chairs, is decided by the IBCS, based on a proposal by the Chair, to be adopted by consensus;
- (b) Should a Management Committee member cease to be an IBCS principal member at any point in the intersessional period, he/she will be replaced on the Management Committee by that person's replacement as principal member to the IBCS;
- (c) In the case of a principal member not being able to attend a session of the Management Committee, he/she can be represented by an alternate nominated by the same WMO Member;
- (d) The Board will review and determine the size of the membership and approve the composition of the Management Committee at each regular session;
- (e) Regional associations will be invited by the Chair to suggest changes to Management Committee member representation from their Regions.

III. Chair and Vice-chair

6. The Chair or co-Vice-chairs of the IBCS are the Chair and or co-Vice-chair(s) of the Management Committee.

7. The duties of the Chair of the Management Committee shall be:

- (a) To preside over sessions of the Management Committee;
- (b) To guide and coordinate the activities of the Management Committee;
- (c) To carry out such specific duties as prescribed by decisions of the IBCS;

- (d) To ensure that the activities and decisions of the Management Committee are in accordance with the Terms of Reference of the Management Committee;
- (e) To report to the IBCS.

IV. Sessions

8. The sessions of the Management Committee shall be held as planned by the IBCS during each intersessional period, or at the request of a least one third of its members taking into account resource implications. A majority of the Management Committee members should have indicated in writing their willingness to attend to the GFCS Office, with copy to the Chair, for a session to be organized.

9. The date and place of each session of the Management Committee shall be determined by its Chair in consultation with the GFCS Office and the Secretary-General.

10. Management Committee sessions shall be open to other IBCS members as observers at their own costs. Session documentation and reports of its meetings shall be made available by the GFCS Office and distributed to IBCS principal delegates and the partner organization members' representatives.

V. Funding of sessions

11. The cost of administrative arrangements, including those for conference services for the sessions of the Management Committee, shall be financed from the GFCS Trust Fund in accordance with norms and tariffs applied by WMO and consistent with UN system practice.

12. The cost of participation of members of the Management Committee in its sessions shall be borne by members' governments. Subject to availability of funds, participation of members from Least Developed Countries, as a matter of priority, and members from developing countries and countries with economies in transition may be supported from the GFCS trust fund upon request.

13. The cost of participation of invited WMO Members and partner organization experts in the sessions of the Management Committee and of its working groups and task teams shall be borne by them.

Resolution 2 (IBCS-1)

IMPLEMENTATION PLAN OF THE GLOBAL FRAMEWORK FOR CLIMATE SERVICES

THE INTERGOVERNMENTAL BOARD ON CLIMATE SERVICES,

Noting Resolution 1 (Cg-Ext.(2012)) – Implementation plan of the Global Framework for Climate Services, and Resolution 2 (Cg-Ext.(2012)) – Establishment of the Intergovernmental Board on Climate Services,

Noting further:

- (1) The decision of the World Climate Conference-3 to establish a Global Framework for Climate Services (GFCS),

- (2) The report of the Intergovernmental Meeting for the High-level Taskforce for the Global Framework for Climate Services (WMO-No. 1052), which was held in Geneva on 11 and 12 January 2010,
- (3) The report of the High-level Taskforce on the Global Framework for Climate Services, *Climate Knowledge for Action: A Global Framework for Climate Services – Empowering the Most Vulnerable* (WMO-No. 1065) presented to the Sixteenth World Meteorological Congress,
- (4) Resolution 47 (Cg-XVI) – Response to the report of the High-level Taskforce on the Global Framework for Climate Services,
- (5) Resolution 48 (Cg-XVI) – Implementation of the Global Framework for Climate Services,
- (6) Resolution 1 (EC-LXIII) – Establishment of an Executive Council Task Team on the Global Framework for Climate Services,
- (7) Resolution 3 (EC-64) – Terms of reference of the Executive Council Working Group on Climate and Related Weather, Water and Environmental Matters,
- (8) Resolution 4 (EC-64) – Executive Council Task Team on the WMO Policy for International Exchange of Climate Data and Products to Support the Implementation of the Global Framework for Climate Services,
- (9) Resolution 1 (EC-65) – Follow-up to the Extraordinary Session of the World Meteorological Congress (2012),
- (10) Resolution 2 (EC-65) – Policy of the World Meteorological Organization for the international exchange of climate data and products to support the implementation of the Global Framework for Climate Services,
- (11) The Implementation Plan of the Global Framework for Climate Services as adopted by the World Meteorological Congress at its Extraordinary Session through Resolution 1 (Cg-Ext.(2012)),

Having considered the revised Implementation Plan of the Global Framework for Climate Services and the needs and activities contained therein,

Decides:

- (1) To approve the Implementation Plan of the Global Framework for Climate Services, which should start without delay;
- (2) To report to the second session of the Intergovernmental Board on Climate Services and subsequently to the Seventeenth World Meteorological Congress on progress with the Global Framework for Climate Services as set out in its Implementation Plan;

Urges Governments:

- (1) To provide support for the implementation of the GFCS through national, regional and global institutions and mechanisms relevant to the Framework;
- (2) To contribute to the GFCS Trust Fund to support operationalization of the Framework and implementation of GFCS activities and projects at national and regional level;
- (3) To support implementation of the projects contained in the compendium of GFCS projects;

- (4) To promote collaboration between countries for the optimal implementation of the GFCS in line with the vision, goals and principles of the GFCS and relevant decisions of the WMO Extraordinary Congress for the delivery of high-quality climate services;

Invites all stakeholders, including bodies of the United Nations system, as well as all relevant national, regional and international organizations and entities, whether governmental or non-governmental, to actively contribute to the implementation of the GFCS through participation in its specific activities, and to provide expertise and resources to its programmes, projects and activities;

Invites the Food and Agriculture Organization of the United Nations, the World Food Programme, the World Health Organization, the United Nations International Strategy for Disaster Reduction, the United Nations Educational, Scientific and Cultural Organization, and UN-Water and their partners to take the lead in the implementation of the activities and projects in the initial priority areas to ensure that climate services support improved outcomes in agriculture and food security, health, disaster risk reduction and water resources management;

Invites the Secretary-General to bring this resolution to the attention of all concerned.

Resolution 3 (IBCS-1)

PILLARS OF THE GLOBAL FRAMEWORK FOR CLIMATE SERVICES

THE INTERGOVERNMENTAL BOARD ON CLIMATE SERVICES,

Noting Resolution 1 (Cg-Ext.(2012)) – Implementation plan of the Global Framework for Climate Services, and Resolution 2 (Cg-Ext.(2012)) – Establishment of the Intergovernmental Board on Climate Services,

Noting further:

- (1) The decision of the World Climate Conference-3 to establish a Global Framework for Climate Services (GFCS),
- (2) The report of the Intergovernmental Meeting for the High-level Taskforce for the Global Framework for Climate Services (WMO-No. 1052), which was held in Geneva on 11 and 12 January 2010,
- (3) The report of the High-level Taskforce on the Global Framework for Climate Services, *Climate Knowledge for Action: A Global Framework for Climate Services – Empowering the Most Vulnerable* (WMO-No. 1065) presented to the Sixteenth World Meteorological Congress,
- (4) Resolution 47 (Cg-XVI) – Response to the report of the High-level Taskforce on the Global Framework for Climate Services,
- (5) Resolution 48 (Cg-XVI) – Implementation of the Global Framework for Climate Services,
- (6) Resolution 1 (EC-LXIII) – Establishment of an Executive Council Task Team on the Global Framework for Climate Services,
- (7) Resolution 3 (EC-64) – Terms of reference of the Executive Council Working Group on Climate and Related Weather, Water and Environmental Matters,

- (8) Resolution 4 (EC-64) – Executive Council Task Team on the WMO Policy for International Exchange of Climate Data and Products to Support the Implementation of the Global Framework for Climate Services,
- (9) Resolution 1 (EC-65) – Follow-up to the Extraordinary Session of the World Meteorological Congress (2012),
- (10) Resolution 2 (EC-65) – Policy of the World Meteorological Organization for the international exchange of climate data and products to support the implementation of the Global Framework for Climate Services,

Having considered the five Annexes to the Implementation Plan of the Global Framework for Climate Services and the required activities contained therein to ensure production and delivery of effective climate services,

Decides:

- (1) To adopt the Annexes to the Implementation Plan of the Global Framework for Climate Services;
- (2) To adopt the activities contained in the Annexes as an integral part of the Plan and essential to its effective implementation;

Urges Governments:

- (1) To support the implementation of the activities contained in the Annexes, considered essential for the delivery of the Global Framework for Climate Services, by making available and facilitating maximum use of national infrastructure, expertise, institutional capabilities, and resources;
- (2) To carry out activities and projects contained in the Annexes to the Implementation Plan;
- (3) To report to the GFCS Office on activities and initiatives implemented under the GFCS pillars, for inclusion in the compendium;

Invites:

- (1) All stakeholders that have a role to play in the activities contained in the Annexes, including bodies of the United Nations system, relevant national, regional and international organizations and entities, whether governmental or non-governmental, to actively participate in the implementation of those activities as an integral part of their contribution to the GFCS;
- (2) All stakeholders to report to the GFCS Office on their contributions to and progress in implementation of specific activities contained in the Annexes;

Invites the Secretary-General to bring this resolution to the attention of all concerned.

Resolution 4 (IBCS-1)**INITIAL PRIORITY AREAS**

THE INTERGOVERNMENTAL BOARD ON CLIMATE SERVICES,

Noting Resolution 1 (Cg-Ext.(2012)) – Implementation plan of the Global Framework for Climate Services, and Resolution 2 (Cg-Ext.(2012)) – Establishment of the Intergovernmental Board on Climate Services,

Noting further:

- (1) The decision of the World Climate Conference-3 to establish a Global Framework for Climate Services (GFCS),
- (2) The report of the Intergovernmental Meeting for the High-level Taskforce for the Global Framework for Climate Services (WMO-No. 1052), which was held in Geneva on 11 and 12 January 2010,
- (3) The report of the High-level Taskforce on the Global Framework for Climate Services *Climate Knowledge for Action: A Global Framework for Climate Services – Empowering the Most Vulnerable* (WMO-No. 1065) presented to the Sixteenth World Meteorological Congress,
- (4) Resolution 47 (Cg-XVI) – Response to the report of the High-level Taskforce on the Global Framework for Climate Services,
- (5) Resolution 48 (Cg-XVI) – Implementation of the Global Framework for Climate Services,
- (6) Resolution 1 (EC-LXIII) – Establishment of an Executive Council Task Team on the Global Framework for Climate Services,
- (7) Resolution 3 (EC-64) –Terms of reference of the Executive Council Working Group on Climate and Related Weather, Water and Environmental Matters,
- (8) Resolution 4 (EC-64) – Executive Council Task Team on the WMO Policy for International Exchange of Climate Data and Products to Support the Implementation of the Global Framework for Climate Services,
- (9) Resolution 1 (EC-65) – Follow-up to the Extraordinary Session of the World Meteorological Congress (2012),
- (10) Resolution 2 (EC-65) – Policy of the World Meteorological Organization for the international exchange of climate data and products to support the implementation of the Global Framework for Climate Services,

Having considered:

- (1) The four Exemplars as an integral part of the User Interface Platform of the Global Framework for Climate Services,
- (2) The Implementation Plan of the Global Framework for Climate Services,
- (3) The needs of the specific communities in the initial four priority areas of the GFCS expressed in the Exemplars of the User Interface Platform,

Decides:

- (1) To adopt the Exemplars as an integral part of the User Interface Platform of the Global Framework for Climate Services;
- (2) To adopt the activities contained in the Exemplars as essential for building the User Interface Platform for the initial four priority areas and for any future priorities of the GFCS;

Urges Governments:

- (1) To support implementation of the User Interface Platforms for the initial four priority areas of the GFCS through the activities contained in the Exemplars;
- (2) To promote the use or establishment of an appropriate coordination mechanism to serve as User Interface Platform;
- (3) To report to the GFCS Office on activities and initiatives implemented under the Exemplars;

Invites the Food and Agriculture Organization of the United Nations, the World Food Programme, the World Health Organization, the International Strategy for Disaster Reduction, the United Nations Educational, Scientific and Cultural Organization and UN-Water, with the involvement of relevant stakeholders including other bodies of the United Nations system, to participate in the implementation of the activities contained in the Exemplars;

Invites:

- (1) All stakeholders that have a role to play in the initial four priority areas of the GFCS, including bodies of the United Nations system, relevant national, regional and international organizations and entities, whether governmental or non-governmental, to be actively involved in the implementation of the activities contained in the Exemplars;
- (2) All stakeholders to report to the GFCS Office on their contributions to and progress in implementation of specific activities contained in the Exemplars;

Invites the Secretary-General to bring this resolution to the attention of all concerned.

Resolution 5 (IBCS-1)

COMPENDIUM OF PROJECTS UNDER THE GLOBAL FRAMEWORK FOR CLIMATE SERVICES

THE INTERGOVERNMENTAL BOARD ON CLIMATE SERVICES,

Noting Resolution 1 (Cg-Ext.(2012)) – Implementation plan of the Global Framework for Climate Services, and Resolution 2 (Cg-Ext.(2012)) – Establishment of the Intergovernmental Board on Climate Services,

Noting further:

- (1) The decision of the World Climate Conference-3 to establish a Global Framework for Climate Services (GFCS),

- (2) The report of the Intergovernmental Meeting for the High-level Taskforce for the Global Framework for Climate Services (WMO-No. 1052), which was held in Geneva on 11 and 12 January 2010,
- (3) The report of the High-level Taskforce on the Global Framework for Climate Services, *Climate Knowledge for Action: A Global Framework for Climate Services – Empowering the Most Vulnerable* (WMO-No. 1065) presented to the Sixteenth World Meteorological Congress,
- (4) Resolution 47 (Cg-XVI) – Response to the report of the High-level Taskforce on the Global Framework for Climate Services,
- (5) Resolution 48 (Cg-XVI) – Implementation of the Global Framework for Climate Services,
- (6) Resolution 3 (EC-64) – Terms of reference of the Executive Council Working Group on Climate and Related Weather, Water and Environmental Matters,
- (7) Resolution 4 (EC-64) – Executive Council Task Team on the WMO Policy for International Exchange of Climate Data and Products to Support the Implementation of the Global Framework for Climate Services,
- (8) Resolution 1 (EC-65) – Follow-up to the Extraordinary Session of the World Meteorological Congress (2012),

Having considered the Implementation Plan of the Global Framework for Climate Services, its five Annexes and four Exemplars,

Decides:

- (1) To adopt for implementation the current projects and activities contained in the Compendium of GFCS projects;
- (2) To adopt, as a starting point, the principles and criteria for funding of projects and activities through the GFCS Trust Fund and for recognition and designation of projects as GFCS-related, but funded from other sources (see the annex to the present resolution);
- (3) To monitor and evaluate progress in such projects and activities in accordance with the guidance provided under agenda item 4.1 (paragraphs 4.1.22–4.1.25 of the general summary);
- (4) To request the Management Committee to review and update on a regular basis the principles and criteria for funding of projects and activities through the GFCS Trust Fund, for approval by the Board;

Urges Governments:

- (1) To actively participate in the implementation of the activities and projects contained in the Compendium by making available and allowing maximum use of national infrastructure, expertise, institutional capabilities, and resources;
- (2) To report to the GFCS Office on activities and initiatives implemented, for inclusion in the GFCS Compendium;

Invites:

- (1) All stakeholders, including bodies of the United Nations system, relevant national, regional and international organizations and entities, whether governmental or non-governmental, to

actively participate in the implementation of the activities contained in the Compendium as an integral part of their contribution to the GFCS;

- (2) All stakeholders to report to the GFCS Office on their contribution to and progress in implementation of specific activities contained in the Compendium;
- (3) All stakeholders to note the criteria for funding of projects through the GFCS and for designation of projects as GFCS-related, as provided in the annex to the present resolution, and to report to the GFCS Office on their contributions and progress in a systematic manner, for inclusion in the reports of the GFCS Office to the Intergovernmental Board;

Invites the Secretary-General to bring this resolution to the attention of all concerned.

Annex to Resolution 5 (IBCS-1)

CRITERIA FOR PROJECTS ELIGIBLE FOR FUNDING THROUGH THE GLOBAL FRAMEWORK FOR CLIMATE SERVICES (GFCS) AND FOR DESIGNATION OF PROJECTS AS GFCS-RELATED

1. Introduction

The criteria described here is to be used by the Intergovernmental Board for deciding which projects are to be implemented and funded under the GFCS Trust Fund, with a focus on projects to be carried out over the first two years (2013–2015). The projects that satisfy these criteria are listed in the GFCS Compendium, along with additional GFCS-related projects which will not be funded through the GFCS Trust Fund but can be designated as GFCS-related. The GFCS Implementation Plan describes the overall goals of the Framework, the Principles that should be adhered to for successful achievement of those goals, and criteria for identifying projects to be implemented in the first two years of the Framework.

Goals:

1. Reducing the vulnerability of society to climate-related hazards through better provision of climate information;
2. Advancing the key global development goals through better provision of climate information;
3. Mainstreaming the use of climate information in decision-making;
4. Strengthening the engagement of providers and users of climate services;
5. Maximizing the utility of existing climate service infrastructure.

Principles:

1. All countries will benefit, but priority shall go to building the capacity of developing countries most vulnerable to the impacts of climate change and variability;
2. A primary goal will be to ensure greater availability of, access to, and use of enhanced climate services for all countries;

3. Activities will address three geographic domains: global, regional and national;
4. Operational climate services will be the core element;
5. Climate information is primarily an international public good provided by governments, which will have a central role in its management;
6. Promote the free and open exchange of climate-relevant data, tools and scientifically based methods while respecting national and international policies;
7. Facilitate and strengthen, not to duplicate;
8. The Framework will be implemented on the basis of user–provider partnerships that include all stakeholders.

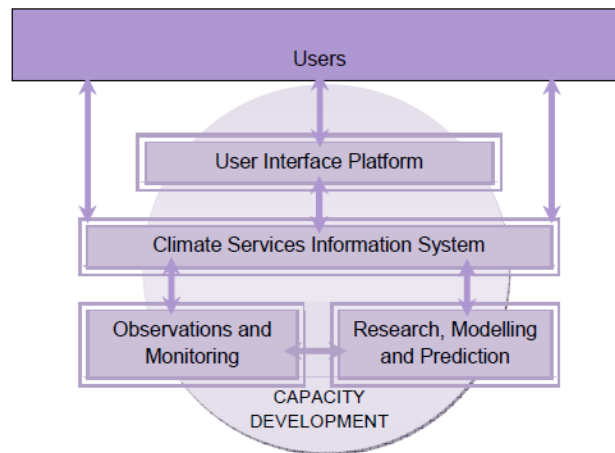


Figure 1: A schematic illustration of the five pillars of the Framework

2. Criteria for projects eligible for funding through the GFCS Trust Fund

Projects eligible for funding from the GFCS Trust Fund should meet all of the following criteria:

1. Adhere to the eight Principles of the Framework (see above, and Section 1.4 of the Implementation Plan);
2. Be aligned with at least one of the priority areas. Currently the priority areas are disaster risk reduction, water management, agriculture and food security, and health;
3. Address at least one of the gaps in current scientific and technical capabilities as identified in Section 3.2.2 of the Implementation Plan, and cut across the Framework's five pillars (Figure 1);
4. Ensure the outcomes will address users' needs and not simply address scientific or technical research priorities. To do this successfully the project should ensure close engagement between users, developers and providers;
5. Contribute to at least one of the following (which were identified by the High-Level Taskforce):
 - Upgrade those National Meteorological and Hydrological Services with basic climate service capabilities;
 - Develop national capacities by building the User Interface Platform;

- Develop regional capacities to assist national capacities in providing climate services;
6. Successfully deliver over a two-year timeframe;
 7. Support, not contradict, relevant national and international goals and policies;
 8. Ensure the country or region in which the project is being implemented has (or, through capacity development activities, will rapidly have) sufficient institutional capacities for successful delivery, and will build connections across institutes and disciplines. Additionally, these institutes must take on a level of ownership of the project to ensure the outcomes and benefits are sustained, and the infrastructure and operations created will be maintained;
 9. Involve, or contribute to activities in, Least Developed Countries, Small Island Developing States, Land-locked Developing Countries or other regions or countries highly vulnerable and sensitive to climate-related risks. Priority should be given to countries that have had, and continue to have, significant input from many agencies.

2.1 Prioritization

The Intergovernmental Board may need to prioritize the funding of projects if there are insufficient resources (financial and other) to implement all of the projects. In this case, the following should be considered:

1. To what extent does the project build upon something that already exists by expanding the area, locating in a new place, enhancing it, making it operational, ensuring its sustained operation, or broadening its scope?
2. To what extent does the project address the Feedback, Dialogue, Evaluation or Outreach outcomes of the User Interface Platform?
3. To what extent does the project fill the objectives, agendas, work plans, goals and missions that have already been agreed to by the partner organizations?
4. What is the anticipated value (economic, social, environmental, etc.) and impact of the proposal and how cost effective will it be?

For projects to be successful there needs to be:

- Effective project management, and the availability of the necessary funding, human resources and technological resources;
- Genuine ownership from end users, and engagement by and with them;
- Genuine willingness for all stakeholders to collaborate and cooperate (for example to facilitate transfer of knowledge and data);
- Direct relevance of the project's deliverables to measurable outcomes in support of existing mandates, agendas and goals;
- As direct as possible a link to operational, policy and technical support mechanisms within the user and provider communities;
- Accountability for responding to user needs and for supporting user outcomes;
- Sustained political commitment by Members to the GFCS and the projects;

- Sustained financial commitment by Members to the GFCS and the projects;
- Capacity developed to ensure successful delivery of actionable climate services.

The project proposal must clearly describe:

- Any dependency or interdependency with other projects in the GFCS or elsewhere;
- The intended cooperation and partnership at either the global, regional or national level;
- The level of commitment and engagement of partners, and their roles and responsibilities;
- Alignment with the GFCS priorities and Implementation Plan, including integration and interaction across the five pillars (illustrated in Figure 1);
- Capacity development needs and activities;
- A communication and outreach plan that will ensure results and lessons learnt will be shared;
- The methodology, metrics and measure of success, the criteria for evaluation of progress during the lifetime of the project, and project management approach;
- Where appropriate, a clear plan for transferring observations, research and analysis capabilities into sustainable operational climate services, for example through an operational environment.

3. Criteria for recognition or designation of projects as GFCS-related

For projects not funded from the GFCS Trust Fund to be recognized or designated as GFCS-related, they have to satisfy the criteria indicated below. Stakeholders interested in having their projects or activities designated as contributing to the GFCS would communicate their proposals to the Intergovernmental Board through the GFCS Office. The GFCS Office shall maintain a database of proposals for designation as GFCS-related for the consideration of the Intergovernmental Board.

A. User focus:

- The intended product(s) and service(s) address clearly the needs of decision-makers and users of such products and services as informed by User Interface Platform processes;
- Focus on climate services/products related to the initial priorities of the GFCS (water, agriculture and food security, health, and disaster risk reduction), and other sectors (energy, transport, tourism, etc.) that have proven requirements or benefits to be derived from such services;
- Availability of an initial assessment and understanding of the maturity or level of research and development required to either improve existing products/services or develop new ones;
- Existing methodology(ies) for evaluating the socio-economic benefits and envisioned impact of the proposed products/services;
- Readiness and level of engagement of users in development of envisioned products/ services;

- Clarity on the institutional setting in which the intended product(s) and service(s) are going to be used operationally;
- The proposed product or service is shown to add value when adopted by the users.

B. Partnerships and cooperation:

- Describes clearly the concept of cooperation/partnership and mutual benefit(s) inherent in the GFCS at global, regional, national or local level;
- Describe clearly any dependency or interdependency with other existing, related project(s) in GFCS;
- Demonstrated experience and evidence of successful partnership(s) based on present or past project(s);
- Level of commitment and engagement of partners, and clear roles and responsibilities in the proposed partnership arrangements;
- Includes partnerships across the relevant GFCS Pillars.

C. Alignment with the GFCS priorities and Implementation Plan:

- The degree of alignment with the objectives and deliverables identified in the GFCS Pillars (Observation and Monitoring; Research, Modelling and Prediction; Climate Service Information System; User Interface Platform; Capacity Development), and the required integration and interaction between/among them;
- A clear description of the integration between/among required pillars to achieve the expected products/services.

D. Capacity development:

- Articulates specifically capacity development needs based on urgency and envisioned outcome that will benefit Members, especially for most vulnerable regions and nations;
- A clear plan to transfer mature observations, research and analysis results into sustainable operational climate services, for example through demonstration in an operational environment;
- Includes a communication/publication plan that will ensure results and lessons learnt will be shared;
- Identifies training and other requirements for the application of the product or service;
- Demonstration of a quality assurance management scheme for the development and operations of the intended product(s) and service(s).

E. Resources allocation and mobilization:

- Identify sources of funding, commitments for funding, and/or needs for funding (i.e. pending proposals, proposed initiatives, etc.);

- Includes the required mix of expertise with a balance in terms of gender, regional representation in the case of projects with a regional or global focus.

F. Monitoring and evaluation:

- Describe the methodology, metrics and measure of success, and the criteria for evaluation of progress during the lifetime of the project as co-developed with users;
- A clear description of how lessons learned from past and present activities will be documented and shared with GFCS partners;
- Identifies any risks associated with implementation of the products and services and undertakes a risk management assessment, including issues of sustainability.

Resolution 6 (IBCS-1)

MONITORING AND EVALUATING IMPLEMENTATION OF THE GLOBAL FRAMEWORK FOR CLIMATE SERVICES

THE INTERGOVERNMENTAL BOARD ON CLIMATE SERVICES,

Noting Resolution 1 (Cg-Ext.(2012)) – Implementation plan of the Global Framework for Climate Services, and Resolution 2 (Cg-Ext.(2012)) – Establishment of the Intergovernmental Board on Climate Services,

Noting further:

- (1) The decision of the World Climate Conference-3 to establish a Global Framework for Climate Services (GFCS),
- (2) The report of the Intergovernmental Meeting for the High-level Taskforce for the Global Framework for Climate Services (WMO-No. 1052), which was held in Geneva on 11 and 12 January 2010,
- (3) The report of the High-level Taskforce on the Global Framework for Climate Services, *Climate Knowledge for Action: A Global Framework for Climate Services – Empowering the Most Vulnerable* (WMO-No. 1065) presented to the Sixteenth World Meteorological Congress,
- (4) Resolution 47 (Cg-XVI) – Response to the report of the High-level Taskforce on the Global Framework for Climate Services,
- (5) Resolution 48 (Cg-XVI) – Implementation of the Global Framework for Climate Services,
- (6) Resolution 1 (EC-65) – Follow-up to the Extraordinary Session of the World Meteorological Congress (2012),

Bearing in mind the role and authority of the Intergovernmental Board on Climate Services as the primary organ of GFCS governance and oversight,

Recognizing the need for effective criteria and process for monitoring and evaluating implementation of the Global Framework for Climate Services,

Having considered the Implementation Plan of the Global Framework for Climate Services, its five Annexes and four Exemplars,

Requests the Management Committee:

- (1) To design the monitoring and evaluation criteria and process for implementation of the Global Framework for Climate Services, and to bring this back to the Board for approval;
- (2) To implement the monitoring and evaluation process and report upon it regularly to the Board;

Invites partner organizations and stakeholders to monitor and evaluate the GFCS-related projects and activities they implement or contribute to using the established monitoring and evaluation criteria;

Invites the Secretary-General to inform GFCS stakeholders of this resolution and to facilitate its implementation and follow-up actions.

Resolution 7 (IBCS-1)

ESTABLISHMENT OF A STAKEHOLDER ENGAGEMENT MECHANISM AND PARTICIPATION OF GFCS STAKEHOLDERS IN THE WORK OF THE INTERGOVERNMENTAL BOARD ON CLIMATE SERVICES

THE INTERGOVERNMENTAL BOARD ON CLIMATE SERVICES,

Noting Resolution 2 (Cg-Ext.(2012)) – Establishment of the Intergovernmental Board on Climate Services,

Bearing in mind the role and authority of the Intergovernmental Board on Climate Services as a primary organ of the Governance of the Global Framework for Climate Services (GFCS), and the importance of effectiveness and efficiency in fulfilling its functions under its Terms of Reference,

Recognizing that implementation of the Framework requires strengthening the relations with all interested partners in accordance with the purposes and principles of the GFCS Governance,

Recognizing also the importance of cooperation between the GFCS partner organizations, as well as the benefits to the GFCS Governance of such cooperation,

Recalling Resolution 47 (Cg-XVI) – Response to the report of the High-level Task Force on the Global Framework for Climate Services, and Resolution 48 (Cg-XVI) – Implementation of the Global Framework for Climate Services,

Mindful of the modalities for the participation of observers in the work of the Intergovernmental Board on Climate Services (IBCS) as explained in its Terms of Reference and Rules of Procedure,

Reaffirms that the Board is an intergovernmental body;

Decides to establish the Partner Advisory Committee as the stakeholder engagement mechanism with the terms of reference set out in Annex 1 to the present resolution;

Also decides to adopt the modalities set out in Annex 2 to the present resolution for the participation of representatives of the GFCS stakeholders, as observers, in the sessions and work of the IBCS;

Requests the Chair of the IBCS to report to the second session of the Board on implementation of the adopted stakeholder engagement mechanism including the review of the Board composition and the criteria for membership;

Invites the Secretary-General to inform the partner organizations on the implementation of the modalities set out in the annexes to the present resolution.

Annex 1 to Resolution 7 (IBCS-1)

TERMS OF REFERENCE OF THE PARTNER ADVISORY COMMITTEE OF THE INTERGOVERNMENTAL BOARD ON CLIMATE SERVICES

These terms of reference specify functions and responsibilities, membership, mode of operation and financing of the Partner Advisory Committee (hereunder referred as the "PAC") of the Intergovernmental Board on Climate Services (hereunder referred as the "IBCS").

I. Functions of the Partner Advisory Committee

1. The PAC shall operate under the guidance of the IBCS. The PAC has the mandate to discuss GFCS Stakeholders issues relating to the implementation of the GFCS. In particular, the PAC is asked to provide expert advice and recommendations on such issues to the IBCS, to raise awareness within the GFCS Stakeholders and to prepare and share information accordingly. The PAC shall discharge its mandate through the following specific functions:

- (a) To provide comments on draft decisions for the consideration of the IBCS before and during IBCS sessions;
- (b) To facilitate, as appropriate, relevant decisions and recommendations of GFCS Stakeholders participating in the GFCS, by providing a forum for the examination of GFCS-relevant issues;
- (c) To prepare a synthesis and consolidated report on the GFCS implementation within the GFCS Stakeholders with a view to identify gaps and priorities in order to facilitate effective resource mobilization for GFCS implementation;
- (d) To contribute to the monitoring of the GFCS strategy, objectives and targets, and the Implementation Plan and present their views in collaboration with the Management Committee thereon to the IBCS.

II. Membership

2. The Partner Advisory Committee is open to UN organizations, non-UN intergovernmental organizations, international organizations, international development partners, international non-governmental organizations in strict compliance with the UN (the agreement concluded between the UN and WMO which came into force 20 December 1951) and WMO policies and regulations (WMO Convention Art. 26 as well as paragraph 2 (f) of the Terms of Reference of the IBCS).

III. Mode of operation

3. The PAC shall work as a structured network of its members. In this respect, the GFCS Office, under the supervision and guidance of the WMO Secretary-General shall register the partner organizations willing to be part of the PAC, and maintain this register up-to-date.
4. The PAC members shall designate two spokespersons, hereinafter referred as its Chair and Vice-Chair, who shall act as its representatives vis-à-vis the IBCS, and replace them as may be required under the circumstances. The WMO Secretary-General shall inform the Chair of the IBCS accordingly.
5. The duties of the Chair, of the PAC, and the Vice-Chair when acting as his/her representative, shall be:
 - (a) To guide and coordinate the activities of the PAC;
 - (b) To engage PAC members to take part as appropriate in consultation as may result from decisions of the IBCS;
 - (c) To ensure that the activities of the PAC are in accordance with the Terms of Reference of the PAC;
 - (d) As may be decided by the Chair of the IBCS, to report on the activities of the PAC and present its views to the IBCS at its sessions.

IV. Funding

6. The cost of administrative arrangements, including those for conference services for meetings of the PAC shall be borne by partner organizations.

Annex 2 to Resolution 7 (IBCS-1)

PARTICIPATION OF THE PARTNER ADVISORY COMMITTEE IN THE WORK OF THE GFCS GOVERNANCE

1. In accordance with the present resolution, in order to present views and offer advice to the IBCS, the Partner Advisory Committee through its Chair would be:
 - (a) Allowed to be inscribed on the list of speakers in order to make interventions;
 - (b) Invited to participate in the general debate of the Intergovernmental Board on Climate Services, taking into account the practice for participating observers;
 - (c) Permitted to present proposals as they may be authorized by their own constituencies.
2. The members of the Partner Advisory Committee shall not have the right to vote or to put forward candidates.
3. A precursory explanation or recall of the present resolution will be made by the Chair of the Intergovernmental Board on Climate Services at the start of each session.

Resolution 8 (IBCS-1)
RESOURCE MOBILIZATION

THE INTERGOVERNMENTAL BOARD ON CLIMATE SERVICES,

Noting:

- (1) Resolution 1 (Cg-Ext.(2012)) – Implementation plan of the Global Framework for Climate Services,
- (2) Resolution 2 (Cg-Ext.(2012)) – Establishment of the Intergovernmental Board on Climate Services,
- (3) Resolution 3 (Cg-Ext.(2012)) – Financing the Intergovernmental Board on Climate Services, Secretariat and Implementation Plan of the Global Framework for Climate Services,

Noting further:

- (1) The decision of the World Climate Conference-3 to establish a Global Framework for Climate Services (GFCS),
- (2) The report of the Intergovernmental Meeting for the High-level Taskforce for the Global Framework for Climate Services (WMO-No. 1052), which was held in Geneva on 11 and 12 January 2010,
- (3) The report of the High-level Taskforce on the Global Framework for Climate Services, *Climate Knowledge for Action: A Global Framework for Climate Services – Empowering the Most Vulnerable* (WMO-No. 1065) presented to the Sixteenth World Meteorological Congress,
- (4) Resolution 47 (Cg-XVI) – Response to the report of the High-level Taskforce on the Global Framework for Climate Services,
- (5) Resolution 48 (Cg- XVI) – Implementation of the Global Framework for Climate Services,
- (6) Resolution 1 (EC-65) – Follow-up to the Extraordinary Session of the World Meteorological Congress (2012),

Having considered:

- (1) The Implementation Plan of the Global Framework for Climate Services, its five Annexes and four Exemplars, and the needs and activities contained therein,
- (2) The investment requirements to support the institutional structure of the GFCS, including the Intergovernmental Board on Climate Services (IBCS), its substructures and activities, and the GFCS Office, as well as the implementation of GFCS-related projects and activities,

Requests Members to note the resource requirements for implementation of the GFCS, including its IBCS and substructures, when pledging contributions;

Requests the Management Committee to establish a process to capture the various contributions made by Members at the global, regional and national level, that support the implementation of the GFCS;

Urges Governments:

- (1) To make voluntary contributions to the GFCS Trust Fund to support implementation of the GFCS, including the IBCS, its substructures, programmes and activities/projects;
- (2) To provide in-kind contributions by supporting and seconding experts for the GFCS Office as well as supporting specific activities of the GFCS Office;
- (3) To report to the GFCS Office all contributions made to the GFCS through bilateral and multilateral mechanisms for inclusion in the Office's reports to the Intergovernmental Board;
- (4) To institutionalize support to GFCS-related projects and activities at national level;

Invites all stakeholders, including bodies of the United Nations system, as well as all relevant national, regional and international organizations and entities, whether governmental or non-governmental, to contribute to the GFCS Trust Fund and commit resources for the implementation of specific project activities as contained in the Implementation Plan and the compendium of GFCS-related projects and activities;

Invites the Food and Agriculture Organization of the United Nations, the World Food Programme, the World Health Organization, the International Strategy for Disaster Reduction, the United Nations Educational, Scientific and Cultural Organization, UN-Water, the Board of the Green Climate Fund, the World Bank and regional development banks and their partners to institutionalize GFCS-related projects and activities as part of their working mechanism, and be actively involved in resource mobilization for implementation of the activities under their areas of responsibility;

Invites the Secretary-General to bring this resolution to the attention of all concerned.

ANNEX

Annex to [paragraph 3.2.4](#) of the general summary

MEMBERSHIP OF THE MANAGEMENT COMMITTEE

Chair: Dr Anton Eliassen

Vice-Chairs: Dr Linda Makuleni and Dr Laxman Singh Rathore

Other members: RA I (Egypt, Côte d'Ivoire, United Republic of Tanzania, Cameroon, South Africa and Guinea Bissau);

RA II (India, Japan, China, Islamic Republic of Iran and Republic of Korea);

RA III (Argentina, Peru and Brazil);

RA IV (Canada, United States, Costa Rica and British Caribbean Territories);

RA V (Philippines, Indonesia, Fiji and Australia);

RA VI (Italy, Germany, Norway, Russian Federation, Switzerland and Turkey)

APPENDIX

LIST OF PARTICIPANTS

1. Representatives of WMO Members

Afghanistan

Arzula ELMI (Ms) Principal Delegate

Antigua and Barbuda

Keithley MEADE Principal Delegate

Argentina

Mónica Beatriz MARINO (Ms) Principal Delegate

Armenia

Levon VARDANYAN Principal Delegate

Australia

Robert Alexander VERTESSY Principal Delegate

Neil PLUMMER Alternate

Ben CHURCHILL Delegate

Jennifer RUSH KAINÉ (Ms) Delegate

Austria

Michael STAUDINGER Principal Delegate

Vera FUCHS (Ms) Delegate

Azerbaijan

Murad N. NAJAFBAYLI Principal Delegate

Elvin ASHRAFZADE Delegate

Vafa MAMMADOVA (Ms) Delegate

Bahrain

Adel Tarrar Mohammed DHAMA Principal Delegate

Tariq Mohammed KHALFAN Delegate

Ahmed Abdulla NADER Delegate

Barbados

Hampden LOVELL Principal Delegate

Belarus

Mikhail KHVOSTOV Principal Delegate

Pavel SHERMANAU Alternate

Vitali KORNEU Delegate

Natalia SHEVTSOVA (Ms) Delegate

Belgium

Christian TRICOT Principal Delegate

Bertrand DE COMBRUGGE Alternate

Pierre-Emmanuel BRUSSELMANS Delegate

Belize

Dennis GONGUEZ Principal Delegate

Benin		
	Denis TOHIO	Delegate
Bhutan		
	Karma TSERING	Principal Delegate
Botswana		
	Penny LESOLLE (Ms)	Delegate
	Russel C. MOTHUPI	Delegate
	Radithupa RADITHUPA	Delegate
Brazil		
	Antonio Divino MOURA	Principal Delegate
British Caribbean Territories (BCT)		
	David FARRELL	Principal Delegate
Brunei Darussalam		
	Muhamad Husaini AJI	Principal Delegate
	Mohammad Affindi HAJI SABLI	Delegate
Bulgaria		
	Bojana TRIFONOVA (Ms)	Delegate
Burkina Faso		
	P. VOKOUMA	Principal Delegate
	M. SOUGOURI-KABORE (Ms)	Delegate
Burundi		
	Aloys RURANTIJE	Delegate
Cameroon		
	Temothee KAGONBE	Principal Delegate
	E. BONGKIYUNG	Delegate
	Martin FOU DA	Delegate
	S. NDONGO NDONGO	Delegate
Canada		
	David GRIMES	Principal Delegate
	Diane CAMPBELL (Ms)	Delegate
	Sharon RIBERO (Ms)	Delegate
	Ester VAN NEES (Ms)	Delegate
Central African Republic		
	Vincent ANDJIDOU LOU	Delegate
	Joël-Urbain TETEYA	Delegate
	Athanase YAMBELE	Delegate
Chile		
	Guillermo NAVARRO	Principal Delegate
	Jorge CARRASCO	Alternate
	Laura GALLARDO KLENNER (Ms)	Delegate
	Jaime MOSCOSO	Delegate
	Maria Heloisa ROJAS CORRADI (Ms)	Delegate

China

Meyan JIAO (Ms)	Principal Delegate
Zenlin CHEN	Alternate
Xialolong JIA	Delegate
Xiangmei JIANG (Ms)	Delegate
Peng LI	Delegate
Mingmei LI (Ms)	Delegate
Zhiyu LIU	Delegate
Qiyong LIU	Delegate
Jinjun PAN	Delegate
Lianchun SONG	Delegate
Yi WANG (Ms)	Delegate
Xianghua XU	Delegate
Guoguang ZHENG	Delegate

Colombia

Ricardo LOZANO	Principal Delegate
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Congo

Camille LOUMOUAMOU	Principal Delegate
Paul DINGA	Delegate
Alphonse KANGA	Delegate

Costa Rica

Manuel B. Dengo BENAVIDES	Principal Delegate
Roberto VILLALOBOS FLORES	Alternate
Mario A. Vega HERNANDEZ	Delegate

Côte d'Ivoire

Daouda KONATE	Delegate
Bernard Djé KOUAKOU	Delegate

Croatia

Ivan CACIC	Principal Delegate
Kreso PANDZIC	Delegate

Curaçao and Sint Marteen

Pedzi GIRIGORI (Ms)	Principal Delegate
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Cyprus

Silas MICHAELIDES	Principal Delegate
T. PANTAZI	Alternate

Czech Republic

Radim TOLASZ	Principal Delegate
Anna VALERIANOVA (Ms)	Delegate

Democratic Republic of the Congo

Augustin AZANGIYE KOLO	Delegate
Jean-Pierre LOLANGO IKANGU	Delegate
Aimé MBUYI KALOMBO	Delegate
Jean-Pierre MPUNDU ELONGA	Delegate
Alexis MUNUNGI LEKI	Delegate
Nestor NYANGA NKUFI	Delegate
Umba Olivier THAMBA	Delegate
Jhon WAKU MAVAKALA	Delegate

Denmark

Lars PRAHM Principal Delegate
 Christian WEGENER Alternate

Djibouti

Osman Saad SAID Principal Delegate
 Abdourahman Youssouf NOUR Delegate

Ecuador

L. GALLEGOS Principal Delegate
 A. JÁCOME Alternate
 Monica MARTINEZ (Ms) Alternate

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Wafaa BASSIM Principal Delegate
 Ahmed Hussein IBRAHIM Alternate
 Mohamed HASSAN Delegate
 Kamel Fahmy Mohamed MAHMOUD Delegate
 Ahmed Bahaa Eldin MOHAMED Delegate
 Mohamed NASR Delegate

El Salvador

Luis Alberto GARCÍA Delegate
 Ana Deisy LÓPEZ RAMOS (Ms) Delegate

Ethiopia

Fetene TESHOME Principal Delegate
 Semunesh GOLA (Ms) Delegate
 Diriba KORECHA Delegate
 Dula SHANKO Delegate

Fiji

Francis KEAN Principal Delegate
 Alipate WAQAICELUA Delegate

Finland

Petteri TAALAS Principal Delegate
 Pekka PLATHAN Alternate
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 Philippe DANDIN Alternate
 Timothée OURBAK Alternate
 Nicolas BÉRIOT Delegate
 Jean-Pierre CERON Delegate
 Sébastien CHATELUS Delegate
 Maurice IMBARD Delegate
 Sylvain MONDON Delegate

Gabon

Lambert EKANG Delegate
 Arlette MACKOSSO KELLY (Ms) Delegate
 Moussounda NZIGOU Delegate
 Martin ONDO ELLA Delegate

Gambia

Amadou SAINÉ	Principal Delegate
Bernard Edward GOMEZ	Alternate
Peter GIBBA	Delegate
Fatou SIMA (Ms)	Delegate
Lamin Mai TOURAY	Delegate

Georgia

Ramaz CHITANAVA	Delegate
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Gerhard ADRIAN	Principal Delegate
Thomas FITSCHEN	Alternate
Detlev FROEMMING	Alternate
Dirk A.M. ENGELBART	Delegate
Tobias FUCHS	Delegate
Bjoern ORIWOHL	Delegate
Joachim SAALMUELLER	Delegate

Greece

Nikolaos KARATARAKIS	Principal Delegate
Theagenis CHARANTONIS	Delegate
Dimitrios KONIDARIS	Delegate

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Carla RODRIGUEZ (Ms)	Principal Delegate
Mario Roberto Bautista BODÍNEZ	Delegate
Michelle BRAN (Ms)	Delegate
Carlos ESCOBEDO	Delegate

Guinea

Mamadou Lamine BAH	Principal Delegate
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Guinea-Bissau

Alexandre CABRAL	Delegate
Francisco GOMES	Delegate
Joao LONA TCHEDNA	Delegate
Ernesto Augusto PEREIRA	Delegate

Hong Kong, China

Edwin LAI	Principal Delegate
Tsz-cheung LEE	Alternate
Chi-ming SHUN	Delegate

Hungary

Gabriella SZÉPSZÓ (Ms)	Principal Delegate
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Iceland

Árni SNORRASON	Principal Delegate
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Ajit TYAGI	Alternate
Nagabhushana Reddy BOLLAVARAM	Delegate
B. MUKHOPADHYAY	Delegate
Biranchi Narayan SATPATHY	Delegate
Dilip SINHA	Delegate

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Andi EKA SAKYA	Principal Delegate
Edvin ALDRIAN	Alternate
A. SOPAHELWAKAN	Alternate
Asteria HANDAYANI (Ms)	Delegate
Nelly Florida RIAMA (Ms)	Delegate
Widada SULISTYA	Delegate
Adi WINARSO	Delegate

Iran, Islamic Republic of

Iman BABAEIAN	Principal Delegate
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Iraq

Ali Karem KADHUM	Principal Delegate
Sajedah Ali HASSAN	Delegate

Ireland

Ray MC GRATH	Principal Delegate
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Sinaia NETNYAHU	Delegate

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Vincenzo ARTALE	Delegate
Michele BRUNETTI	Delegate
Carlo CACCIAMANI	Delegate
Gianluigi CONSOLI	Delegate
Silvio GUALDI	Delegate
Giovanni MARESCA	Delegate
Leone M. MICHAUD	Delegate
Antonio NAVARRA	Delegate
Simone ORLANDINI	Delegate
Paola PAGLIARA (Ms)	Delegate
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Paolo Michele RUTI	Delegate

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Hideto ORIHARA	Alternate
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Yuichi ONO	Delegate

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Zhibek KARAGULOVA (Ms)	Delegate
Aibek T. MENDIGARIN	Delegate

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Malaysia Thean Shong KANG	Principal Delegate
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Mauritania Keita OULD MOHAMEDOU Cheikh A. ZAHAF	Delegate Delegate
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Berta OLMEDO (Ms)	Delegate
Paraguay	
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Peru	
Esequiel Bruno VILLEGAS PAREDES	Delegate
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Marivil VALLES (Ms)	Delegate
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Rashid AL-KUWARI	Alternate
Abdulla AL MANNAI	Delegate
Saad AL-HITMI	Delegate
Abdulhadi AL-MARRI	Delegate
Mahmoud AL-MARWANI	Delegate
Ahmed MOHAMED	Delegate
Republic of Korea	
Won-Tae YUN	Principal Delegate
Young Hwa BYUN (Ms)	Alternate
Yeunsook CHOI (Ms)	Delegate
Chang-Heum LEE	Delegate
Russian Federation	
Alexander MAKOSKO	Principal Delegate
Victor BLINOV	Delegate
Vladimir KATTSOV	Delegate
Sergey SEMENOV	Delegate
Alexander ZAITSEV	Delegate
Samoa	
Mulipola Ausetalia TITIMAEA	Principal Delegate
Fata L. Sunny SEUSEU	Delegate

Sao Tome and Principe

Cosme Manuel do Nascimento DIAS	Delegate
Joao Vicente DOMINGOS VAZ LIMA	Delegate

Saudi Arabia

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Ayman GHULAM	Alternate
Mohammed BABIDHAN	Delegate
Murad HASHIM	Delegate
Abdalrahman MUSHTAQ	Delegate

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Maryline DIARA (Ms)	Principal Delegate
Mamina KAMARA	Principal Delegate
Ansoumana BODIAN	Delegate
Mamadou DIALLO	Delegate
Chérif DIOP	Delegate
Abdoulaye KA	Delegate
Marc LO	Delegate
Noël Magloire MANGA	Delegate

Serbia

Milan DACIC	Principal Delegate
Vladimir DJURDJEVIC	Delegate
Danica SPASOVA (Ms)	Delegate

Slovakia

Martin BENKO	Principal Delegate
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Slovenia

Tanja CEGNAR (Ms)	Principal Delegate
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Solomon Islands

Moses Kouni MOSE	Principal Delegate
Lloyd TAHANI	Alternate

South Africa

Linda MAKULENI (Ms)	Principal Delegate
Mark MAJODINA	Alternate
Themba DUBE	Delegate
Mandixole MATROOS	Delegate
Minikeli NDABAMBI	Delegate
Johan STANDER	Delegate

Spain

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D. Fernando BELDA ESPLUQUES	Delegate

Sri Lanka

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P. WECKRAMASINGHE	Delegate

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Khyar Abdalla ABDALLA	Principal Delegate
Ahmed Mohamed ABDELKARIM	Delegate
Sharafeldein IDRIS	Delegate

Sweden

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Principal Delegate
Alternate

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Christof APPENZELLER
Salman BAL
Emmanuel ECKARD
Alexandre FASEL
Regula MÜLCHI (Ms)
José ROMERO
Alex RUBLI
Gerhard ULMANN
Andrea VAN DER ELST (Ms)

Principal Delegate
Delegate
Delegate
Delegate
Delegate
Delegate
Delegate
Delegate
Delegate
Delegate

Syrian Arab Republic

Ibrahim Khalil MOUSTAPHA
Aabdel Kader ALKOURDY

Principal Delegate
Delegate

Thailand

Tiewthanom WORAPAT
Sitthichivapak KORNRAWEE (Ms)
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Delegate
Delegate
Delegate

The former Yugoslav Republic of Macedonia

Vlado SPIRIDONOV
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Principal Delegate
Delegate

Togo

Koffi Z. EDOU
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Nassou TORO

Delegate
Delegate
Delegate
Delegate
Delegate
Delegate

Trinidad and Tobago

Kenneth KERR
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Principal Delegate
Delegate

Tunisia

Mohamed HAJJEJ

Principal Delegate

Turkey

Hayreddin BACANLI
Alper AKCAKAYA

Principal Delegate
Delegate

Uganda

Michael NKALUBO

Principal Delegate

Ukraine

Tatiana ADAMENKO (Ms)

Principal Delegate

United Kingdom of Great Britain and Northern Ireland

Chris HEWITT	Principal Delegate
Mike GRAY	Alternate
Mark RUSH	Delegate
Jane WARDLE (Ms)	Delegate
Selby WEEKS	Delegate

United Republic of Tanzania

Agnes Lawrance KIJAZI (Ms)	Principal Delegate
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United States of America

Laura FURGIONE (Ms)	Principal Delegate
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Bart COBBS	Delegate
David REIDMILLER	Delegate
Renee TATUSKO (Ms)	Delegate

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Beatriz CUELLO (Ms)	Principal Delegate
Lia BERGARA (Ms)	Delegate
Mario BIDEGAIN	Delegate
Laura DUPUY (Ms)	Delegate
Rodolfo PEDOCCHI	Delegate
Estela QUELROLO (Ms)	Delegate

Uzbekistan

S. MYAGKOV	Principal Delegate
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Venezuela, Bolivarian Republic of

Fabio Daniel DI CERA PATERNOSTRO	Delegate
Luis Alfonso FERNANDEZ HERNANDEZ	Delegate

Viet Nam

Van Tan PHAM	Principal Delegate
Thi Binh Minh NGUYEN	Delegate
Hong Ha TRAN	Delegate

Yemen

Abdo A. ALMAKALEH	Principal Delegate
Abdulwasea AL-MIKHLAFI	Alternate

Zambia

Jacob NKOMOKI	Principal Delegate
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Zimbabwe

James MANZOU	Principal Delegate
Amos MAKARAU	Alternate
E. BUNDO (Ms)	Delegate
Elliot BUNGARE	Delegate
Z. MANYANGADZE	Delegate
Chameso MUCHEKA	Delegate
K. MUTUVA	Delegate

2. Presidents of technical commissions

Bertrand CALPINI	Commission for Instruments and Methods of Observations (CIMO)
Jan DANHELKA	Commission for Hydrology (CHy)
Byong Lyol LEE	Commission for Agricultural Meteorology (CAgM)
Serhat SENSOY	Commission for Climatology (CCI)

3. Representatives of organs and organizations of the United Nations system

Food and Agriculture Organization of the United Nations (FAO)

Selvaraju RAMASAMY

United Nations Development Programme (UNDP)

Neil BUHNE

Maxx DILLEY

Lucy FOGGIN (Ms)

United Nations Educational, Scientific and Cultural Organization (UNESCO)

Anil MISHRA

United Nations Institute for Training and Research (UNITAR)

Angus MACKAY

World Food Programme (WFP)

Richard CHOULARTON

World Health Organization (WHO)

Marina MAIERO (Ms)

4. Representatives of intergovernmental organizations

African Center of Meteorological Application for Development (ACMAD)

Adama Alhassane DIALLO

European Commission (EC)

Claus BRUENING

European Organization for the Exploitation of Meteorological Satellites (EUMETSAT)

Paul COUNET

Alain RATIER

Johannes SCHMETZ

Intergovernmental Authority on Development (IGAD)/IGAD Climate Prediction and Application Centre (ICPAC)

Laban OGALLO

World Organisation for Animal Health (OIE)

Stephane DE LA ROCQUE

5. Representatives of other organizations

CERAFS

Arame TALL

Geospatial Media & Communications

Sanjay KUMAR

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