#### REPORT OF THE FORTY-THIRD SESSION OF THE IPCC Nairobi, Kenya, 11 – 13 April 2016

## 1. OPENING OF THE SESSION

Mr Hoesung Lee, Chair of the IPCC, called the 43<sup>rd</sup> Session of the Intergovernmental Panel on Climate Change (IPCC) to order on Monday 11 April 2016 at 10 am at the United Nations Office at Nairobi (UNON), Kenya, and welcomed the dignitaries and delegates.

Mr Lee then introduced Mr Charles Sunkuli, Principal Secretary of the Ministry of Environment, Natural Resources and Regional Development Authorities of Kenya, who delivered his speech on behalf of Cabinet Secretary H.E. Prof. Judi W. Wakhungu. Mr Sunkuli praised the IPCC for delivering valuable assessment reports on climate change since 1990. He indicated that Kenya is very vulnerable to impacts of climate change and stressed the importance to align the IPCC work with the needs identified by the 21<sup>st</sup> Session of the Conference of the Parties (COP-21) to the United Nations Framework Convention on Climate Change (UNFCCC), so that the IPCC assessment can be policy relevant for the implementation of the Paris Agreement.

Mr Lee then introduced Mr Achim Steiner, United Nations Under Secretary General and Executive Director of the United Nations Environment Programme (UNEP) who made his opening address. Mr Steiner welcomed the delegates to UNEP and Kenya. He informed the Panel that this was the last time that he would address the IPCC in his current capacity and stressed the full support of UNEP to the Panel. He stressed the importance of the IPCC as a UN body which provides internationally coordinated scientific assessments on Climate Change and wished the Panel well with the next assessment cycle.

Mr Lee then introduced Mr David Carlson, Director of the World Climate Research Programme (WCRP) of the World Meteorological Organization (WMO), representing the Secretary-General of WMO, Mr Petteri Taalas, and invited him to deliver his opening remarks. Mr Carlson recalled the full support of the WMO to the IPCC, especially to the Secretariat, and thanked UNEP for its continuing support to the Panel. He warned against the high concentrations of carbon dioxide and methane in the atmosphere and noted that WCRP and IPCC could work together to determine the impacts. He wished the Panel well with the sixth assessment cycle.

Mr Lee then introduced a video-recorded message from Ms Christiana Figueres, Executive Secretary of the United Nations Framework Convention on Climate Change (UNFCCC). In her message, Ms Figueres noted that this was the first time that she addressed the Panel after the landmark achievement of the adoption of the Paris Agreement. She thanked the IPCC for providing governments with sound scientific reports on climate change. She also encouraged the Panel to respectfully look at the requests from UNFCCC to provide a Special Report in 2018 on the impacts of global warming of 1.5 °C above pre-industrial levels and related global greenhouse gas emission pathways, and to deliver the sound science for the global stocktaking which will start in 2023.

Mr Lee then delivered his opening address. He thanked Ms Figueres and the other speakers for their continued support to the IPCC and wished Mr Steiner success in his new role as director of the Oxford Martin School at Oxford University. He emphasized that the Panel needed to work with focus and discipline at the Session since the outcome of it would determine the work plan for the next six years of preparation of the Sixth Assessment Report. The choice of the number and themes of the Special Reports would have to be considered as well, as part of the overall strategic planning for the Sixth Assessment cycle. He also stressed the importance of the UNFCCC COP-21 decision on the Paris Agreement and the potential impact of the IPCC work on the implementation of the Agreement. The IPCC faced the

challenge to align its work schedule with the needs expressed by the COP of the UNFCCC so that the assessments appear when they are truly policy-relevant.

With those words the Chair of IPCC declared the 43<sup>rd</sup> Session of the IPCC open.

The provisional agenda of the meeting, contained in document <u>IPCC-XLIII/Doc. 1</u> and the provisional annotated agenda <u>IPCC-XLIII/Doc.1, Add. 1</u> was adopted by the Panel without change. The United Kingdom suggested that an update be provided to the Panel, under agenda Item 15 on Any Other Business, on the appointment of the Secretary of the IPCC.

## 2. APPROVAL OF THE DRAFT REPORT OF THE 43<sup>rd</sup> SESSION

The draft report of the 42<sup>nd</sup> Session of the IPCC, document <u>IPCC-XLIII/Doc. 12</u>, was presented and approved with minor editorial changes.

#### 3. IPCC TRUST FUND PROGRAMME AND BUDGET

The Acting Secretary of the IPCC, Mr Mannava Sivakumar, introduced documents <u>IPCC-XLIII/Doc.2</u>, <u>IPCC-XLIII/INF.1</u>, <u>IPCC-XLIII/INF.2</u>, <u>Rev.1</u>, <u>IPCC-XLIII/INF.2</u>, <u>Rev.1</u>, <u>Add.1</u> and <u>IPCC-XLIII/INF.3</u>. He made a brief presentation which highlighted the level of contributions and number of contributors from 1988-2015. He noted that both the level of contributions and the number of contributors were steadily declining. He also presented an overview of the financial trend over the Fifth Assessment Report (AR5) cycle (2008-2015) and the projected financial trend over the Sixth Assessment Report (AR6) cycle (2015-2021). He stressed the need to mobilize resources given that the IPCC Trust Fund could run out of savings in 2018 which would adversely affect the completion of activities and products planned for the Sixth Assessment Report (AR6) cycle. Suggestions to reverse the downward trend and increase financial resources included: (a) sending a letter to member governments, jointly signed by the heads of WMO and UNEP, (b) featuring IPCC prominently at side events at major meetings/conferences, (c) partnering with the private sector and (d) consider accepting offers of financial support from member governments for the production of a Special Report, (see document <u>IPCC-XLIII/INF.8</u>, Add.3, Corr.1).

The United States of America thanked the Acting Secretary for the presentation and indicated that it felt that over the years member governments had been in complacency mode because of the savings available in the IPCC Trust Fund. Based on the analysis presented it would seem that a lot has to be done to halt the decline in the level of resources. This could be achieved through outreach and fundraising. He recommended (a) a targeted outreach approach to countries that used to contribute but no longer do so and (b) requested that the heads of WMO and UNEP be approached to fundraise on behalf of the IPCC, as this was the right time for this kind of approach. Monaco thanked the Acting Secretary for the presentation but indicated that in its offer letter to produce a special report on oceans it did not indicate the estimated amount of its financial support, as indicated in the presentation made by the Acting Secretary. He further clarified that Monaco's support would be less than the amount reported in the presentation. Canada supported the comments made by the United States of America with regard to the financial status of the IPCC Trust Fund and suggested that the letter to be signed by the heads of WMO and UNEP should be sent to all members not just the donors. Germany thanked the Acting Secretary for the presentation and indicated that it found worrying the decline in the number of contributors from 36 to 24 and the possibility that the IPCC Trust Fund could run out of savings and possibly go into debt by 2018. It requested that the Acting Secretary's presentation be put on the PaperSmart system. It further suggested that the resource mobilization campaign should be carried out with the Chair and Vice Chairs of the IPCC leading this effort. Japan thanked the Acting Secretary for the presentation and pledged to continue supporting the IPCC Trust Fund and the Task Force on Inventories (TFI) in 2016, starting in April 2016. It cautioned that due to the economic situation in Japan it might be difficult to continue funding the IPCC Trust Fund and the TFI in the future.

Japan also felt that it was important for the IPCC to embark on a resource mobilization campaign with the private sector, with a view to diversifying its contributions base, but cautioned that IPCC should maintain its independence when dealing with the private sector. Switzerland invited the Chair of the IPCC to approach very high-level contacts in the responsible ministries from member governments to deal with resource mobilization. Dealing with other sponsors could raise questions and the IPCC needs to maintain its independence. He agreed with earlier interventions to use the heads of WMO and UNEP in the IPCC resource mobilization campaign. Switzerland enquired if any consideration had been given to assessed contributions and requested that it be discussed in the FiTT. Switzerland thanked the Acting Secretary for its presentation and indicated that in document IPCC-XLIII/INF.2, Rev.1 the amounts for Switzerland's contribution to host Working Group I (WGI) was missing. He indicated that the figures are readily available and that Switzerland provided financial support to WGI until February 2016.

UNEP indicated its willingness to contact ministers, on behalf of IPCC, for financial contributions. It further indicated that it was ready to provide additional staff to defray the costs associated with the AR6 cycle. The European Union clarified that it has special observer status with the IPCC and therefore cannot make direct contributions to the IPCC Trust Fund except through projects. This European Union's conditionality does not affect the independence of the IPCC. It indicated that it is ready to accept solicitations of increase in contributions and will discuss this with the European Union member states as it sees the importance of maintaining the continuous flow of funds in order for the IPCC to carry out its planned activities throughout the AR6 cycle. It suggested that the IPCC consider looking at other sources of funding e.g. philanthropic charities and foundations. Saudi Arabia felt that IPCC's funding strategy will not affect IPCC's independence. With regard to funding, Saudi Arabia indicated that it was not worried as the IPCC seems to go through cycles but has always delivered. The important thing is to have very good planning and resource mobilization at the very high levels in the ministries. It encouraged the Chair of the IPCC to be part of the resource mobilization efforts. Norway expressed its concern about the future situation of the IPCC Trust Fund as the level of contributions was decreasing. It felt that the presentation made by the Acting Secretary was good and requested that it be put on the PaperSmart system. In addition, it requested that the language used in IPCC communications be very simple as it was not always easy to understand the full depth of messages in presentations and documents. Brazil supported earlier interventions made about maintaining the integrity of the IPCC. It felt that philanthropic charities were useful for organizing seminars but that the core budget of the IPCC should be driven by its objectives. Belgium echoed the comments made by other delegations regarding the independence of the IPCC. Belgium announced that it had paid its contribution to the IPCC for 2014 and 2015 though they were not reflected in the table due to the fact that the payments were received in the IPCC in early 2016. Mali indicated that the financial resources formed an integral part of the operations of the IPCC. He requested the IPCC to produce a special report on the 1.5 °C by 2018. He further requested the Chair to look into approaching the Green Climate Fund to see how it could assist the IPCC in its work.

The Acting Secretary thanked the delegations for their interventions and indicated that their comments and suggestions had been noted. The Chair of IPCC assured the member governments that irrespective of the sources of funding the integrity of the IPCC would be maintained. He thanked members for their donations in the past and invited members to scale-up contributions moving forward.

The Financial Task Team (FiTT) was established. The FiTT is open-ended with a core membership which comprises Germany, Pakistan, Saudi Arabia and United States of America and co-chaired by Mr Amjad Abdulla (Maldives) and Ms Helen Plume (New Zealand).

The FiTT met twice during the week to deliberate on key issues relating to the IPCC programme and budget, including the revised 2016 budget, the forecast budget for 2017 and the indicative budgets for 2018 and 2019.

Recommendations from the FiTT were submitted to the Panel by Ms Helen Plume, on behalf of her Co-chair. She thanked the delegations for having participated in the FiTT deliberations and also thanked the Programme Officer for her support to the FiTT.

The Panel approved the revised budget for 2016 and noted the forecast 2017 budget and the indicative budgets for 2018 and 2019 and adopted Decision IPCC-XLIII/1 regarding the IPCC Trust Fund and Programme as contained in Annex 1.

## 4. ADMISSION OF OBSERVER ORGANIZATIONS

The Acting Secretary of IPCC, introduced document <u>IPCC-XLIII/Doc.4</u> and informed that since the 42<sup>nd</sup> Session of the IPCC, the Secretariat had received four new requests for observer status, three of which were from organizations already accredited as observers with the UNFCCC and UNEP: the Economic Cooperation Organization (ECO); Yale University, United States of America; and University College London, United Kingdom. The fourth organization, Future Earth International, had submitted the additional documentation required from an organization not already accredited with UNFCCC, UNEP or WMO. The Acting Secretary noted that the application from the Industrial Technology Research Institute (ITRI), Hsinchu, is pending since 2008.

Based on the review of these four new applications by the Bureau at its 50<sup>th</sup> and 51<sup>st</sup> Sessions, the Panel adopted Decision IPCC/XLIII-2 on Admission of Observer Organizations as contained in Annex 1.

#### 5. **REPORTS**

#### 5.1. Communications and Outreach Activities

The IPCC Senior Communications Officer, Mr Jonathan Lynn, introduced this Agenda item, referring to the written report <u>IPCC-LIII/INF.5</u>. The Senior Communications Officer described the ambitious outreach programme undertaken for the Fifth Assessment Report (AR5), including at the 21<sup>st</sup> Conference of the Parties (COP21) to the United Nations Framework Convention on Climate Change. Outreach activities would continue this year, and he indicated the funding needs to facilitate the participation of authors and other participants from developing countries in these events.

The Panel took note of the report.

#### 5.2. Status with respect to the establishment of the Technical Support Units

#### 5.2.1. Working Group I

The Co-Chair of Working Group I (WGI) Ms Valérie Masson-Delmotte provided an oral update on behalf of her fellow Co-Chair Mr Panmao Zhai. She acknowledged support from the French government through the Ministry of Environment, Energy and Sea, Ministry of Foreign Affairs and Ministry of Research and Education. She also thanked the IPCC Focal Point in France for his efforts in the establishment of the WGI Technical Support Unit (TSU). She informed the Panel that an agreement has been signed with the three French ministries and that the TSU's budget will ramp up to 1.5 million Euros by 2018. The TSU will be hosted by University of Paris-Saclay in close collaboration with the Institut Pierre Simon Laplace. Ms Valérie Masson-Delmotte introduced the three new staff members who had been recruited internationally so far; the Head of the TSU Ms Anna Pirani who will be based at University of Paris-Saclay (France) and the International Centre for Theoretical Physics (Italy), the Head of Science Mr Wilfran Moufouma-Okia and Project Manager Ms Clotilde Péan. She informed the Panel that the TSU is still searching for a Head of Operations and an IT Officer. She further informed the meeting that in China, a small team of two young scientists will be established to support Mr Panmao Zhai, the WGI Co-Chair who is based there. The TSU has applied to the China Meteorological Administration (CMA) for support to the two young scientists.

The Panel took note of the report.

#### 5.2.2. Working Group II

The Co-Chair for Working Group II (WGII), Mr Hans Otto Pörtner provided an oral update on behalf of his fellow Co-Chair Ms Debra Roberts. He informed the meeting that budget negotiations between the German federal government and the Alfred-Wegener-Institute, who will host the TSU, were in their final stages. The Co-Chairs have also submitted a joint application to the German government for additional positions to be located in South Africa to further support the work of the Co-Chair who is based there. He informed the meeting that the lease for the TSU offices in Bremen is planned from May 2016. He was happy to report to the Panel that they had recruited Ms Melinda Tignor as the Head of the TSU.

The Panel took note of the report.

#### 5.2.3. Working Group III

The Co-Chair of Working Group III (WGIII), Mr Jim Skea informed the Panel that an interim contract between Imperial College London and the Department of Energy and Climate Change in the United Kingdom has been set up and the signing of a full AR6 contract is imminent. He noted that progress may seem slow from an IPCC perspective but it is necessary because of the budget and financial planning cycles of the United Kingdom government.

He noted that under the interim contract, administrative support has been set up at the Centre for Environmental Policy at Imperial College London where part of the Technical Support Unit (TSU) will be based. He said they have further made arrangements for interim/adhoc scientific support to facilitate the scoping process of any Special Reports to be decided by the Panel during this Session. Job specifications for all the other TSU posts are ready and the senior posts will be advertised internationally once the full AR6 contract has been signed.

He highlighted that the WGIII TSU will be located at Imperial College London and the Indian Institute of Management (IIM) in India. He said that the setting up of the Indian based TSU is following closely the process at Imperial College London. Under this setup, Imperial College London will provide a subcontract to support 3 posts and travel support for the TSU in India. WGIII Co-Chair Mr Priyadarshi Shukla thanked Imperial College London for its support and informed the Panel that they hope to report on a more fully staffed functional TSU during the next Session.

The Panel took note of the report.

#### 5.2.4. Task Force on National Greenhouse Gas Inventories

The Co-Chair of the Task Force on National Greenhouse Gas Inventories (TFI), Mr Kiyoto Tanabe gave an oral update on behalf of his fellow Co-Chair, Mr Eduardo Calvo. He reminded the Panel that the TFI Technical Support Unit (TSU) which is hosted by the Institute for Global Environmental Strategies (IGES) in Japan has been working for more than 15 years with support from the government of Japan. He informed the Panel that the current TSU team remains unchanged from the previous AR5 cycle except for the position of the Head of the TSU which is currently vacant. He further informed the meeting that the post was advertised internationally and recruitment is in its final stages. It is expected that the new Head of the TSU will take up the post by June 2016.

The Panel took note of the report.

#### 5.3. 27<sup>th</sup> Task Force Bureau Meeting (TFI), 16-18 November 2015, Hayama, Japan

The meeting report (Document: <u>IPCC-XLIII/INF.11</u>) was presented by Mr Kiyoto Tanabe, TFI Co-Chair. He highlighted that this first meeting of the TFB after their election provided the newly elected members with background information on the work of the TFI and also discussed future activities.

The IPCC Chair thanked the TFI Co-Chairs, and the government of Japan for the generous contribution in organizing the meeting.

The Panel took note of the report.

#### 5.4. 13<sup>th</sup> Editorial Board Meeting for the IPCC Emission Factor Database (EFDB), 18-20 November 2015, Hayama, Japan

The meeting report (Document: <u>IPCC-XLIII/INF.13</u>) was presented by Mr Eduardo Calvo Buendia, TFI Co-Chair. He highlighted that the meeting reviewed new and outstanding data proposals and discussed means to enhance the EFDB. As an outcome of the meeting, Mr Calvo Buendia reported that 367 data were accepted for inclusion into the EFDB.

Germany thanked the TFI Bureau and the experts who contributed to its work. .

The Panel took note of the report.

#### 5.5. TGICA Expert Meeting, 26-27 January 2016, Geneva, Switzerland

Mr Mxolisi Shongwe, Programme Officer, IPCC Secretariat, presented the meeting report (Document: <u>IPCC-XLIII/INF.10, Rev. 1</u>). One of the key recommendations from the expert meeting he highlighted was the continuation of TGICA and the DDC.

The Panel took note of the report.

## 5.6. TFI Expert Meeting to collect EFDB and Software Users' feedback, 25-28 January 2016, Kobe, Japan

Mr Eduardo Calvo Buendia, TFI Co-Chair, presented the meeting report (Document: <u>IPCC-XLIII/INF.12</u>). He highlighted that the meeting encouraged inventory compilers to use the 2006 Guidelines for National Greenhouse Gas Inventories and the IPCC Inventory Software, and collected feedback on the use of the software.

The United States of America encouraged the TFI to utilize its expertise and tools to work constructively with the capacity building initiative for transparency under the Paris Agreement. Mr Calvo Buendia informed the Panel that the TFI has made arrangements to have an agreement with the UNFCCC to share products and will give more consideration to relevant capacity building activities in the future.

The Panel took note of the report.

#### 5.7. Expert Meeting on Communication, 9-10 February 2016, Oslo, Norway

The IPCC Senior Communications Officer introduced this item, referring to the written report IPCC-XLIII/INF.6. He noted that the Meeting Report had now been published online on the IPCC website (http://www.ipcc.ch/pdf/supporting-material/EMR\_COM\_full\_report.pdf). He thanked the Norwegian Environment Agency for their generous support in hosting the meeting. The meeting resulted in a large number of recommendations, some of which would be brought the Panel for consideration in a subsequent agenda item. Switzerland questioned the use of some of the terminology in the report and its references to certain audiences of IPCC materials. The Deputy Secretary of the IPCC, Mr Carlos Martin-Novella, noted that the list of recommendations in the report reflected those made by participants at the meeting and not necessarily IPCC policy and that the descriptions of audiences were in line with those spelled out in the Communications Strategy.

The Panel took note of the report.

#### 6. PROCEDURAL MATTERS

#### 6.1. Review of the IPCC Conflict of Interest Policy

Mr Youba Sokona, IPCC Vice-Chair and Chair of the IPCC Conflict of Interest (COI) Committee, introduced document <u>IPCC-XLIII/Doc. 3</u> on the Review of the IPCC COI Policy.

A number of delegates expressed their support for the establishment of the proposed subcommittee. Others had questions about the proposed mandate, which were responded to by the Chair in a second round of discussions.

The Panel adopted Decision IPCC/XLIII-3 on the Review of the COI Policy as contained in Annex 1.

#### 6.2. Size, composition and structure of a future IPCC Bureau

The Deputy Secretary of the IPCC introduced the document <u>IPCC-XLIII/INF.14</u> on "Size, composition and Structure of a Future IPCC Bureau".

The United States of America, supported by Saudi Arabia, stated the importance of reviewing the Appendix C to the Principles Governing IPCC Work on the Procedures for the Election of the IPCC Bureau and any Task Force Bureau, in particular regarding the provisions on regional balances. Maldives supported considering the substance of this matter at an appropriate time in a future Plenary session of the Panel.

The panel adopted Decision IPCC/XLIII-4. on "Procedural matters. Size, composition and structure of a future IPCC Bureau" as contained in Annex 1.

#### 7. MATTERS RELATED TO THE UNITED NATIONS FRAMEWORK CONVENTION ON CLIMATE CHANGE (UNFCCC) AND OTHER INTERNATIONAL BODIES

## 7.1. Follow-up to the 21<sup>st</sup> Conference of the Parties to the UNFCCC (COP-21)

The Deputy Secretary of the IPCC introduced the document <u>IPCC-XLIII/INF.4</u> on "Matters related to the United Nations Framework Convention on Climate Change (UNFCCC) and other international bodies".

The Republic of Korea made a statement welcoming the adoption of the Paris Agreement and Mr Simon Eggleston, the representative of the Global Climate Observing System (GCOS) made a statement underlining the contribution of GCOS to the implementation of the Paris Agreement and the importance of the ongoing collaboration with the IPCC.

The Panel adopted a Decision IPCC/XLIII-5 on "Matters related to the United Nations Framework Convention on Climate Change (UNFCCC) and other international bodies" as contained in Annex 1.

#### 8. SIXTH ASSESSMENT REPORT (AR6) PRODUCTS

The Deputy Secretary of the IPCC introduced documents <u>IPCC-XLIII/Doc.8</u> on "Special Reports" and <u>IPCC-XLIII/Doc.9</u> on "Strategic Planning". The Co-chairs of Working Groups I, II and III introduced documents <u>IPCC-XLIII/INF.7</u>, <u>IPCC-XLIII/INF.8</u>, <u>IPCC-XLIII/INF.8</u>, <u>Add.1</u>, <u>IPCC-XLIII/INF.9</u> and <u>IPCC-XLIII/INF.19</u>

#### 8.1. Special Reports

The document IPCC-XLIII/Doc.8 was introduced by the Deputy Secretary of the IPCC who highlighted a broad convergence during the 51<sup>st</sup> Session of the IPCC Bureau on Cluster A (land use, land degradation and agriculture), Cluster B (oceans and cryosphere), Cluster F (emissions pathways, including the 1.5°C proposal) and Cluster I (cities) as priority themes.

The Working Group Co-Chairs introduced the supporting documents. Mr Priyadarshi Shukla, Working Group III Co-Chair informed the Panel of the process undertaken to develop the clusters for Special Report proposals from the original thirty-one submissions from governments and Observer Organizations, and recommendations from workshops and expert meetings. Adding on Mr Shukla's submission, Mr Jim Skea informed the Panel that the Working Group Co-Chairs nominated Vice-Chairs from their Bureau to lead on specific clusters on the basis of their expertise and also consulted relevant communities including Steering Committees of International Research Bodies, and former Working Group Co-Chairs and Coordinating Lead Authors. The Co-Chairs consolidated the inputs from individual Working Group Vice-Chairs into a single document IPCC-XLIII/INF.8 and prepared a high-level commentary on the clusters with a brief summary of individual proposals, which are contained in IPCC-XLIII/INF.9.

Working Group I Co-Chairs Ms Valerie Masson-Delmonte and Mr Panmao Zhai explained the nine clusters contained in IPCC-XLIII/INF.9, their scope and relevance across each of the three IPCC Working Groups.

Mr Hans-Otto Pörtner, Working Group II Co-Chair presented the Co-Chair's conclusions and preferences on the number and clusters of Special Reports, taking into consideration the constraints associated with the proposed timeline for the AR6. Mr Pörtner provided the motivation for a regional report as a separate volume from Working Group Assessment Reports and elaborated on the proposed approach to preparing this report.

Ms Debra Roberts, Working Group II Co-Chair presented the outcome of a preliminary discussion on potential responsibilities for each Working Group in leading and the preparation of Special Reports.

UNCCD offered support to the IPCC during the production of a Special Report on land degradation and clarified that such a report would not overlap much with the work of the Intergovernmental Science-Policy Platform on Biodiversity and Ecosystem Services (IPBES) which does not focus on climate change. FAO offered support to the IPCC in the preparation of a Special Report which will focus on climate change, agriculture and food security under Cluster A.

UN-Habitat offered to support the IPCC during the production of a Special Report on Cities.

After the first round of interventions from Argentina, Australia, Australia, Bangladesh, Belgium, Bhutan, Brazil, Canada, Chad, Chile, Costa Rica, Cuba, El Salvador, France, Germany, Hungary Ireland, Japan, Jordan, Luxemburg, Madagascar, Malaysia, Maldives, Mauritius, Mexico, Monaco, Mongolia, Montenegro, Netherlands, New Zealand, Nicaragua, Norway, Philippines, Portugal, Republic of Korea, Republic of Tanzania, Russian Federation, Saint Kits and Nevis, Saint Lucia, Venezuela, Saudi Arabia, Senegal, Serbia, Singapore, Solomon Islands, South Africa, Sudan, Switzerland, Turkey, United Kingdom, the European Union, FAO, UNCCD, UNEP and UN-Habitat, the Chair of the IPCC considering the divergent views on how many additional Special Reports should be undertaken, for which topics, the preferred clusters and the treatment of regional aspects, established a Contact Group co-chaired by IPCC Vice-Chairs Ms Ko Barret and Mr Youba Sokona to address these topics and make recommendations for a decision by the Plenary. The Contact Group met five times on the 12 and 13 of April.

After consideration of the recommendations submitted by the Contact Group the Panel adopted Decision IPCC/XLIII-6 on the "Sixth Assessment Report (AR6) Products. Special Reports" as contained in Annex I

#### 8.2. Strategic Planning

The Deputy Secretary of the IPCC introduced the Document: IPCC-XLIII/Doc.9.

Austria, Bangladesh, Belgium, Brazil, Canada, Chad, Chile, China, Cuba, Denmark, Egypt, El Salvador, Federation, France, Germany, Hungary, Ireland, Japan, Jordan, Luxemburg, Madagascar, Malaysia, Mauritius, Mexico, Mongolia, Netherlands, Nicaragua, Norway, Portugal, Republic of Korea, Russian Federation, Saint Lucia, Saudi Arabia, Senegal, Singapore, Solomon Islands, South Africa, Spain, Sudan, Switzerland, Turkey, United Kingdom, United States of America, Venezuela, the European Union and UNCCD made interventions regarding the number and priorities for Special Reports to be produced during the Sixth Assessment cycle, timing for a methodology report, the overall length of the sixth assessment report cycle and how to incorporate regional aspects in its products, in support of undertaking one or other, or several Special Reports and the length of periods for Expert reviews and Government and government/expert reviews. They also gave preliminary consideration to the options for the preparations of the Seventh Assessment report.

The Deputy Secretary of the IPCC and the Co-chairs of Working Groups I, II, III responded to several requests for clarification from delegations.

Delegations invited the Co-chairs to produce a detailed schedule of meetings and activities to deliver the agreed products during the Sixth Assessment Report including sequencing the delivery of WG III contribution to the AR6 before WGII and to submit it, through the Secretary of the IPCC, for information to the Panel.

The Panel adopted Decision IPCC/XLIII-7 on the "Sixth Assessment Report (AR6) Products. Strategic Planning" as contained in Annex 1.

## 9. UPDATE OF METHODOLOGIES ON NATIONAL GREENHOUSE GAS INVENTORIES

Mr Kiyoto Tanabe, Co-Chair of the TFI introduced the Document: <u>IPCC-XLIII/Doc.6, Corr. 1</u>. He explained that the 2006 Guidelines for National Greenhouse Gas Inventories continue to provide a technically sound basis for national greenhouse gas inventories and therefore fundamental revisions are not necessary. Notwithstanding, as revealed by online survey and two expert meetings held in 2015, certain refinements are necessary to incorporate recent scientific and other technical advances. He added that in the context of the Paris Agreement, a refinement of the 2006 Guidelines is required so that all UNFCCC Parties could use good practice inventory methodologies based on up to date scientific knowledge.

After an intervention by Germany, it was agreed that the format of the Methodology Report should be determined during the scoping process.

The Panel adopted Decision IPCC/XLIII-8 on "Update of methodologies on National Greenhouse Gas Inventories" as contained in Annex 1.

## 10. FUTURE OF THE TASK GROUP ON DATA AND SCENARIO SUPPORT FOR IMPACT AND CLIMATE ANALYSIS (TGICA)

Mr Timothy Carter, TGICA Co-Chair, introduced this agenda Item, referring to the documents IPCC-XLIII/Doc.10, Corr. 1; IPCC-XLIII/INF.10, Rev.1; IPCC-XLIII/INF.15; IPCC-XLIII/INF.16; IPCC-XLIII/INF.17; IPCC-XLIII/INF.18

Australia, Canada, Finland, France, Germany, Mali, Norway, Saudi Arabia, the United Kingdom and the United States of America made statements from the floor.

Delegations thanked Germany, United States of America and United Kingdom for hosting and supporting the DDC and proposals were made for other member States to also support TGICA.

A member State proposed the approval of the priorities for TGICA and the Data Distribution Centre as contained in document IPCC-XLIII/Doc.10, Corr.1 while others proposed to maintain or strengthen the DDC. It was proposed that given resource constraints, other mechanisms for overseeing the DDC work could be explored and it was also stressed that resource constraints might compel the IPCC to identify TGICA activities to be continued such as the DDC and those which could be discontinued or taken over by external organizations such as the development of guidance material. It was proposed to redefine the role of the DDC. A member State proposed that Working Group TSUs could oversee data archiving by the DDC while other member State proposed that the DDC should be overseen by the Secretariat. Mr Bruce Hewitson, TGICA Co-Chair reported to the Panel that Working Group Co-Chairs who attended the Expert Meeting on the future role of TGICA in January 2016 (IPCC-XLIII/Inf.10, Corr. 1) indicated their unwillingness to oversight of the DDC, and also that the transitory nature of TSUs raises continuity concerns. The development of guidance material by external organizations could have implications with regards to the objectivity of the products and their relevance for the IPCC.

A member State questioned the effectiveness of the process and possible challenges in curating datasets used in the AR5. TGICA Co-Chair, Mr Timothy Carter indicated that datasets are transmitted to the DDC after the approval of the assessment report and have to undergo quality control, a process which may take time particularly if certain errors in the data are identified.

The Panel adopted Decision IPCC/XLIII-9 on Future of the Task Group on Data and Scenario Support for Impact and Climate Analysis (TGICA)" as contained in Annex 1.

#### 11. COMMUNICATIONS FOR THE SIXTH ASSESSMENT REPORT (AR6)

The Senior Communications Officer introduced this Agenda Item, referring to document <u>IPCC-XLIII/Doc.5</u>.

Belgium, France, Germany, Japan, Saudi Arabia, Switzerland, the United Kingdom, the United States of America made statements from the floor. Ms Valerie Masson-Delmotte and Mr Jim Skea, Co-chair of Working Group III also made statements from the floor.

Members States welcomed the results of the Expert Meeting, thanked Norway for hosting it, welcomed the reported initiatives and emphasized the importance of communications for in the IPCC. It was said that the conclusion of the science-based Paris Agreement at COP-21 suggested the IPCC was already successful in communicating its findings.

Interventions from the floor focused on the importance of headline statements for reinforcing the clarity of the Summary for Policymakers, the financial implications of some of the proposals, the collaboration between the Secretariat and TSUs in outreach initiatives, how outreach materials should reflect IPCC reports and the use of different languages in outreach materials.

The feasibility and timing of the proposed pre-scoping meeting and the Expert Meeting were also discussed and it was mentioned as alternatives to the Expert Meeting the possibility of communications scientists to brief authors at early Lead Authors meetings. It was also said that the inclusion of authors with communications skills could come at the cost of selecting authors with the right expertise and balance, but it was important to train all new authors and provide them with support on communications.

The involvement of the Executive Committee, the Communications Action Team and the Working Groups Bureaux in the update of the Communications Strategy was also discussed.

A member State called for the creation of an electronic platform for AR6 that would facilitate the exchange of information within the Bureau and at all levels of the IPCC.

The Panel adopted Decision IPCC/XLIII-10 on Communications for the Sixth Assessment Report (AR6)" as contained in Annex 1.

#### 12. IPCC LIBRARY FACILITY

The Deputy Secretary of the IPCC introduced the document <u>IPCC-XLIII/Doc.13</u> and oral amendments to its second bullet point.

The United States of America asked for clarification on whether the proposed budget reflected one-off costs or would be recurring costs for the IPCC in the future and about the long term sustainability of the facility. The representative of UNEP confirmed that the proposed budget reflected one-off costs and explained how the facility will be managed in the longer term.

The United States of America, Madagascar and Saudi Arabia thanked UNEP for the offer to develop, host and manage the IPCC Library Facility. Ms Valerie Masson-Delmotte, Co-Chair of Working Group I stressed the need for the facility to be operational as soon as possible

and Mr Eduardo Calvo Buendia, Co-Chair of the Task Force Bureau added the importance of the IPCC Library Facility to cover the needs of the Task Force Bureau.

The Panel adopted Decision IPCC/XLIII-11on the IPCC Library Facility as contained in Annex 1.

#### 13. IPCC SCHOLARSHIP PROGRAMME

The Acting Secretary of the IPCC introduced document <u>IPCC-XLIII/Doc.7</u> and provided an update on the third round of awards (2015-2017) in which ten students were awarded scholarships. He expressed gratitude to the Prince Albert II of Monaco Foundation and the Cuomo Foundation for their continued support of the Scholarship Programme.

The Panel thanked the members of the Board of Trustees of the Scholarship Programme for their contributions and noted that the Secretariat and the Science Board are undertaking an in depth review of the Scholarship Programme and will submit proposals in this regard to the 44<sup>th</sup> Session of the Panel.

The Panel adopted Decision IPCC/XLIII-12. on the IPCC Scholarship Programme as contained in Annex 1.

# 14. DECISION PATHWAY FOR CONSIDERATION OF REQUESTS FOR ACCESS TO INFORMATION OR MEETINGS

The Deputy Secretary of the IPCC introduced the document <u>IPCC-XLIII/Doc. 11</u> on the "Decision pathway for consideration of requests for access to information or meetings".

Canada, Germany, Saudi Arabia, Switzerland, the United Kingdom and the United States of America requested information regarding differences between the proposal submitted for the consideration of the Panel and the previous draft version seen by the Panel at its 42<sup>nd</sup> Session. They also suggested some amendments to the proposal.

The Panel adopted Decision IPCC/XLIII-13.on the "Decision pathway for consideration of requests from researchers for access to information and meetings" as contained in Annex 1.

#### 15. ANY OTHER BUSINESS

Upon request from the United Kingdom for information on the appointment of a new IPCC Secretary, the Acting Secretary of the IPCC read out a statement from Mr Petteri Taalas, Secretary-General of WMO (Annex 2) regarding the appointment of Mr Abdallah Mokssit from Morocco as the new Secretary of the IPCC. The Acting Secretary presented a brief biography of Mr Mokssit (Annex 3).

Saudi-Arabia read a statement regarding procedural matters at the 43<sup>rd</sup> Session of the IPCC, in particular regarding reports of Bureau sessions and the role of the IPCC Co-chairs (see Annex 4). The Deputy Secretary of the IPCC clarified that the practice in the IPCC is to adopt reports of the Bureau by written procedure and to post them immediately after in the IPCC website. He added that so far it has not been the practice to submit the reports of Bureau sessions for the consideration of the Panel as timing between sessions of the Bureau and the Panel would make very difficult to complete the written procedure on time.

Switzerland and the Russian Federation proposed a new overarching architecture for the Information communications technology (ICT) structure in IPCC, including the Data Distribution Centre. France suggested discussing this first in the Bureau and with the Co-Chairs of TGICA.

## 16. PLACE AND DATE FOR THE 44<sup>TH</sup> PLENARY SESSION OF THE IPCC

The Panel considered options regarding the place and date of the 44<sup>th</sup> Plenary session of the IPCC and Decision IPCC/XLIII-14 as contained in Annex 1.

## 17. CLOSING OF THE SESSION

The 43<sup>rd</sup> Session of the IPCC was closed at 18:10 hrs on Wednesday 13 April 2016.

## 43<sup>rd</sup> SESSION OF THE IPCC

11-13 April 2016, Nairobi, Kenya

#### Decisions adopted by the Panel

#### Decision IPCC/XLIII-1. IPCC Programme and Budget

Based on preliminary discussions and acknowledgement of the need to evaluate the AR6 workplan currently under development by the IPCC Executive Committee, the Intergovernmental Panel on Climate Change,

1. Thanks the Secretariat of the IPCC for the Statement of contributions as contained in document IPCC-XLIII/Doc.2, Possible funding sources as contained in document IPCC-XLIII/INF.1, funding needs as provided in document IPCC-XLIII/INF.2 and the interim statement of expenditures as of 31 December 2015, as contained in document IPCC-XLIII/INF.3.

2. Approves that the revised 2016 budget proposal should include the following modifications in **Table 1 to this Decision** as compared to the budget approved at the 42<sup>nd</sup> Session of the IPCC:

- Move from 2015 to 2016 of "Lessons Learnt Workshop on Gaps in Knowledge" budget line; increase of CHF 140,000;
- Move from 2016 to 2017 of "WG I, II, III Sessions" from budget line "IPCC-44 + WG I, II, II Sessions" and adjustment in number of days and journeys; decrease of CHF 550,000;
- Move from 2016 to 2017 of budget line "Lead Author meeting"; decrease of CHF 280,000;
- Change in title of budget line "Scoping meetings (SR/AR6) contingency" to read "Scoping meeting (SR) contingency" and adjustment to the number of journeys; decrease of CHF 93,600;
- Adjustment in the number of journeys for budget line "TFI Scoping Meeting Future Methodological Development"; increase of CHF 74,880;
- Addition of budget line "Library Facility"; increase of CHF 103,000;
- Adjustment to number of meetings and journeys for "TGICA contingency" budget line; decrease of CHF 8,160.

3. Takes Notes of the revised proposed budget for 2017 **(Table 2 to this Decision)** with the following modifications as compared to the budget noted at the 42<sup>nd</sup> Session of the IPCC:

#### Changes related to Governing Bodies, Scoping, Expert Meetings and Workshops

- Move from 2016 to 2017 of budget line "Lead Author meeting" and adjustment in the number of journeys to accommodate journeys for "Special Report 2 – LA 1 and 2 meetings" budget line;
- Change in title of budget line "WG meetings contingency" to read "Special Report 1 – LA 1 and LA 2 meetings" and "Special Report 2 – LA 1 and LA 2 meetings" and adjustment in number of journeys;
- Change in title of budget line "Scoping meetings (SR/AR6) contingency" to read "Scoping meeting (AR6)" contingency;

- Addition of contingency budget line "Expert meetings/workshops"; increase of CHF 280,800;
- Addition of "Special Report 3 LA 1 and 2 meetings" budget line; increase of CHF 421,400.
- Deletion of budget line "WGI, II, III Sessions", as no pre-scoping session requires; decrease of CHF 561,000.

#### Changes related to TFI

• Adjustment in the number of journeys for budget line "TFI Methodological development Science Meeting"; decrease of CHF 51,480.

#### Changes to Other Expenditures

• Adjustment in the amount for the "2006 GL Software" budget line; increase of CHF 24,000.

#### New activities

- Addition of "46<sup>th</sup> Plenary Session + WGI, II, III Sessions" budget line; increase of CHF 1,310,000;
- Addition of a "Workshop on Cities" budget line; increase of CHF 468,000.

4. Takes Notes of the indicative budgets for 2018 (Table 3 to this Decision) and 2019 (Table 4 to this Decision), as proposed in these decisions.

5. Expresses its gratitude to the World Meteorological Organization (WMO), and the United Nations Environment Programme (UNEP) for their contributions to the IPCC Trust Fund and for financing one Secretariat position each, and to WMO for hosting the Secretariat. Thanks the United Nations Framework Convention on Climate Change (UNFCCC) for its contribution to the IPCC Trust Fund.

6. Expresses its gratitude to governments, including those from developing countries, for their generous contributions to the IPCC Trust Fund, with special thanks to governments which support the Technical Support Units (TSUs) and a number of IPCC activities, including data centres, meetings and outreach actions.

7. Takes note with concern the decline in the number of contributors and the level of contributions to the IPCC Trust Fund. Requests the IPCC Chair and the Secretariat, with support from the IPCC Vice Chairs, to embark on a resource mobilisation campaign in an attempt to reverse this downward trend. Requests the IPCC Chair and the Secretariat to write a letter to all members, to be addressed to the highest levels in the various capitals, to be signed by the Secretary-General of WMO and the Executive Director of UNEP). The Secretariat is to report back to the 44<sup>th</sup> Session of the IPCC on the outcome of the resource mobilisation efforts.

8. Requests that countries maintain their generous contribution in 2016 and invites governments, who are in a position to do so, to increase their level of contributions to the IPCC Trust Fund or to make a contribution in case they have not yet done so.

9. Further requests the Secretary of the IPCC to dedicate an agenda item on the financial situation of the IPCC Trust Fund at the 44<sup>th</sup> Session of the IPCC.

#### REVISED 2016 BUDGET ADOPTED BY IPCC-XLIII

Activity	Purpose	DC/EIT support	Other Expenditure	Sub-total
Governing bodies				
IPCC-43	Programme and budget	480,000	210,000	690,000
3 days	SR, AR6 products & TGICA	120 journeys		
IPCC-44	Programme and budget	480,000	280,000	760,000
4 days	SR/MR outline approval	120 journeys		
Bureau	2 sessions	288,000	120,000	408,000
4 days		72 journeys	120,000	100,000
Executive Committee	2 sessions and	64,000	10,880	74,880
		-	10,880	74,880
4 days	consultations	16 journeys	6 120	40 100
TFB	1 session	36,000	6,120	42,120
		9 journeys		
UNFCCC		80,000	0	80,000
and other UN meetings		20 journeys		
SUB-TOTAL				2,055,000
Lead Authors, scoping, expert		_		
Lead Author meeting	contingency	0	0	0
	(move to 2017)	60 journeys	40.000	200.000
Expert meetings/workshops	contingency	240,000 60 journeys	40,800	280,800
Scoping meetings (SR)	2 meetings	400,000	68,000	468,000
Scoping meetings (Si ()	contingency	100 journeys	00,000	400,000
Co-sponsored mtg Lessons learn		120,000	20,400	140,400
Gaps in knowl WG I/II/III AR5		30 journeys	-,	,
TGICA	1 meeting contingency	48,000	8,160	56,160
		12 journeys		
TGICA	1 workshop/expert meeting	120,000	20,400	140,400
Vision for future		30 journeys		
Lesson learned	1 expert meeting	80,000	0	80,000
AR5 communictions/outreach		20 journeys		
EFDB Editorial Board	1 meeting	96,000	16,320	112,320
		24 journeys		
EFDB Data meeting	2 meetings	80,000	13,600	93,600
		20 journeys		
EFDB and Software Users	1 meeting	44,000	0	44,000
Feedback (Japan)		11 journeys		
TFI Expert meeting - Technical	1 expert meeting	132,000	22,440	154,440
Ass'mnt (Cross-sectoral issues)	4	33 journeys	00.440	154.440
TFI Expert meeting - Technical	1 expert meeting	132,000	22,440	154,440
Ass'mnt IPCC Inventory GL	4	33 journeys	00.000	000.000
TFI Scoping meeting -	1 scoping meeting	196,000	33,320	229,320
Future methodological devt. SUB-TOTAL	contingency	49 journeys		1 052 990
				1,953,880
Other Expenditures				0.000
2006 GL software	maintenance/development			6,000
EFDB maintenance	update/management			7,000
Publication/Translation	IPCC publications			200,000
Publication	Wetlands & KP Supplements			100,000
Communication	AR5 material/travel/events			260,500
Distribution	IPCC publications			170,000
Webconferences	licences & communication costs			30,000
IT Infrastructure	web hosting/cloudflare/upgrade			41,818
Secretariat	staff/misc expenses			1,912,500
Library facility	one-time fee		<u>├</u>	103,000
External Audit	fee			20,000
Advisory Services	Conflict of Interest			30,000
Co-Chairs	support			200,000
<u>SUB-TOTAL</u> TOTAL				<u>3,080,818</u> 7,089,698

#### FORECAST 2017 BUDGET NOTED BY IPCC-XLIII

A	Dumpere		Other	Out total
Activity	Purpose	DC/EIT support	Expenditure	Sub-total
Governing bodies		480.000	280.000	700.000
	Programme and budget	480,000	280,000	760,000
4 days IPCC-46 + WG I, II, III	Approval outline SRs Programme and budget	120 journeys 960,000	250,000	1,310,000
	Approval AR6 outline		350,000	1,310,000
5 days		240 journeys	100.000	400.000
Bureau	2 sessions	288,000	120,000	408,000
4 days		72 journeys	10.000	74.000
Executive Committee	2 sessions and	64,000	10,880	74,880
4 days	consultations	16 journeys	0.100	40,100
TFB	1 session	36,000	6,120	42,120
		9 journeys		
UNFCCC		80,000	0	80,000
and other UN meetings		20 journeys		0.075.000
SUB-TOTAL	ert meetings and workshops			2,675,000
Lead Author meeting	contingency	120,000	20,400	140,400
	(moved from 2016)	30 journeys		,
Expert meetings/workshops	contingency	240,000	40,800	280,800
Workshop on Cities	1	60 journeys 400,000	000 00	468,000
workshop on Cities	1 workshop	100 journeys	68,000	468,000
SR 1	CLA/LA	360,000	61,200	421,200
LA 1 and LA 2		90 jourmeys		
SR 2	CLA/LA	360,000	61,200	421,200
LA 1 and LA 2 SR 3	CLA/LA	90 jourmeys 360,000	61,200	421,200
LA 1 and LA 2	CLAVEA	90 jourmeys	01,200	421,200
Scoping meeting (AR6)	contingency	480,000	81,600	561,600
		120 journeys		
TFI Methodological devt.	3 meetings	684,000	116,280	800,280
Lead Author meetings TFI Methodological devt.	contingency 1 meeting	171 journeys 44.000	7,480	51,480
Science meeting	contingency	11 journeys	7,400	51,460
TFI Methodological devt	1 prep meeting before		0	0
	Plenary (move to 2019)	0 journeys	Ŭ	Ŭ
TGICA	2 meetings	96,000	16,320	112,320
	contingency	24 journeys		
EFDB Editorial Board	1 meeting	96,000	16,320	112,320
		24 journeys	10.000	
EFDB Data meeting	2 meetings	80,000	13,600	93,600
EFDB and Software Users	1 meeting	20 journeys 44,000	0	44,000
Feedback, Japan	Theeting	11 journeys	Ŭ	44,000
SUB-TOTAL				3,928,400
Other Expenditures				
2006 GL software	maintenance/development			30,000
EFDB maintenance	update/management			7,000
Publication/Translation	IPCC publications			200,000
Communication	AR5 material/travel/events			260,500
Distribution	IPCC publications			100,000
IT Infrastructure	web hosting/cloudflare/upgra	de		13,128
Webconferences	licences & communication co	sts		30,000
Secretariat	staff/misc expenses			1,912,500
External Audit	fee			20,000
Advisory Services	Conflict of Interest			30,000
Co-Chairs	support			200,000
				2,803,128
SUB-TOTAL TOTAL				9,406,528

Noted in IPCC-40 and subject to Panel approval in IPCC-44

Noted in IPCC-42 and subject to Panel approval in IPCC-44

New activity as compared to budget noted in IPCC-42 subject to Panel approval in IPCC-44

Activity moved from 2016 to 2017 and already approved in IPCC-42

All other activities with no colour are also subject to Panel approval in IPCC-44

#### INDICATIVE 2018 BUDGET NOTED BY IPCC-XLIII

Activity	Purpose	DC/EIT support	Other Expenditure	Sub-total
Governing bodies				
IPCC-47	Programme and budget	480,000	280,000	760,000
4 days	various	120 journeys		
IPCC-48	Programme and budget	480,000	280,000	760,000
4 days	Acceptance SR1	120 journeys		
Bureau	2 sessions	288,000	120,000	408,000
4 days		72 journeys		
Executive Committee	2 sessions and	64,000	10,880	74,880
4 days	consultations	16 journeys		
TFB	1 session	36,000	6,120	42,120
		9 journeys		
UNFCCC		80,000	0	80,000
and other UN meetings		20 journeys	-	,
SUB-TOTAL		20 journojo		2,125,000
	expert meetings and worksho	ops		
WG I AR6	CLA/LA	800,000	136,000	936,000
LA 1 and LA 2		200 journeys		
WG II AR6	CLA/LA	400,000	68,000	468,000
LA 1 WG III AR6	CLA/LA	100 journeys 400,000	68,000	468,000
LA 1		100 journeys	08,000	408,000
SR 1	CLA/LA	360,000	61,200	421,200
LA 3 and LA 4		90 journeys		
SR 2	CLA/LA	360,000	61,200	421,200
LA 3 and LA 4 SR 2		90 journeys	01.000	404.000
SR 2 LA 3 and LA 4	CLA/LA	360,000 90 journeys	61,200	421,200
Expert meeting Science of	1 meeting	80,000	13,600	93,600
Communicating Science	1 mooting	20 journeys	,	00,000
TFI Methodological devt.	1 meeting	44,000	7,480	51,480
Science meeting	contingency	11 journeys		
TFI Methodological devt.	2 meetings	744,000	126,480	870,480
Lead Author meetings	contingency	186 journeys	10.000	110.000
TGICA	2 meetings	96,000	16,320	112,320
EFDB Editorial Board	contingency 1 meeting	24 journeys 96,000	16,320	112,320
EI DB Editorial Board	Theeting	24 journeys	10,520	112,320
EFDB Data meeting	2 meetings	80,000	13,600	93,600
		20 journeys	,	00,000
EFDB and Software Users	1 meeting	44,000	0	44,000
Feedback (Japan)	-	11 journeys		
SUB-TOTAL				4,513,400
Other Expenditures				
2006 GL software	maintenance/development			6,000
EFDB maintenance	update/management			7,000
Publications/Translations	IPCC publications			200,000
Communication	AR5 material/travel/events			260,500
Distribution	IPCC publications			100,000
Webconferences	licences & communication co	sts		30,000
IT Infrastructure	web hosting/cloudflare/upgra	des		13,128
Secretariat	staff/misc expenses			1,912,500
External Audit	fee			20,000
Advisory Services	Conflict of Interest			30,000
Co-Chairs	support			200,000
SUB-TOTAL	Ισαρροιτ			2,779,128
TOTAL				9,417,528

New activity as compared to budget noted in IPCC-42 subject to Panel approval in IPCC-46

#### INDICATIVE 2019 BUDGET NOTED BY IPCC-XLIII

Activity	Purpose	DC/EIT support	Other Expenditure	Sub-total
Governing bodies				
IPCC-49	Programme and budget	480,000	280,000	760,000
4 days	Acceptance SR2 & MR	120 journeys		
IPCC-50	Programme and budget	480,000	280,000	760,000
4 days	Acceptance SR3	120 journeys		
Bureau	2 sessions	288,000	120,000	408,000
4 days		72 journeys		
Executive Committee	2 sessions and	64,000	10,880	74,880
4 days	consultations	16 journeys		
TFB	1 session	36,000	6,120	42,120
		9 journeys		
UNFCCC		80,000	0	80,000
and other UN meetings		20 journeys		
SUB-TOTAL				2,125,000
Lead Authors, scoping, e	xpert meetings and worksho	ops		
WG II AR6	CLA/LA meeting	800,000	136,000	936,000
LA 2 and LA 3		200 journeys	00.000	100.000
WG III AR6 LA 2	CLA/LA meeting	400,000 100 journeys	68,000	468,000
SYR AR6	Scoping meeting 2	160,000 40 journeys	27,200	187,200
SYR AR6	CWT-1 meeting	60,000	10,200	70,200
		15 journeys	10.000	
TGICA	2 meetings	96,000	16,320	112,320
EFDB Editorial Board	contingency	24 journeys 96,000	16,320	112,320
EFDB Editorial Board	1 meeting	24 journeys	10,320	112,320
EFDB Data meeting	2 meetings	80,000	13,600	93,600
		20 journeys	10,000	55,000
EFDB and Software Users	1 meeting	44,000	0	44,000
Feedback (Japan)		11 journeys		
TFI Methodological devt	1 prep meeting before	36,000	0	36,000
	Plenary (moved from 2017)	9 journeys		
TFI Expert meeting	1 meeting	100,000	17,000	117,000
SUB-TOTAL	contingency	25 journeys		515 240
Other Expenditures				515,240
2006 GL software	maintenance/development		Г	6,000
				7,000
EFDB maintenance Publications/Translations	update/management			
	IPCC publications			200,000
Communication	AR5 material/travel/events			260,500
Distribution	IPCC publications		┝─────┣	100,000
Webconferences	licences & communication co			30,000
IT Infrastructure	web hosting/cloudflare/upgrad	des		13,128
Secretariat	staff/misc expenses			1,912,500
External Audit	fee			20,000
Advisory Services	Conflict of Interest			30,000
Co-Chairs	support			200,000
SUB-TOTAL 2,779				
TOTAL				5,419,368

All activities to be noted at IPCC-43 and subject to Panel approval in IPCC-48

## Decision IPCC/XLIII-2. Admission of Observer Organizations

The Intergovernmental Panel on Climate Change decides,

To admit the following new observer organizations:

- Economic Cooperation Organization
- Yale University (United States of America)
- University College London (United Kingdom)
- Future Earth International

## Decision IPCC/XLIII-3. Procedural matters. Review of the Conflict of Interests Policy

The Intergovernmental Panel on Climate Change decides,

- To establish a sub-committee of the Conflict of Interest (COI) Committee consisting of the Chair of the COI and the COI Committee members representing UNEP and WMO, as well as a representative of each Working Group Bureau and the Task Force Bureau, and serviced by the IPCC Secretariat, with the mandate to review the COI Policy and its implementation arrangements, and propose solutions for the problems and concerns outlined in document IPCC-XLIII/Doc. 3, for the Panel's consideration and decision at its 44<sup>th</sup> Session.
- 2. That the mandate of the sub-committee has three elements:
  - Revision of the COI disclosure form in order to solicit and ensure the provision of complete and relevant information;
  - Consideration of the usefulness of expanding the scope of application of Rule 21 (d) of Appendix C to the Principles Governing IPCC Work, the Election Procedures, which requests that the COI disclosure form is accompanied by a curriculum vitae, to all COI disclosure form submission requests;
  - Consideration of the advantages and disadvantages of changing the composition of the COI Committee, or any other measures to ensure continuous full and effective participation in its work and meetings.
- 3. That the recommendations of the Sub-committee would be reviewed by the IPCC Bureau first before their submission to the 44<sup>th</sup> Session of the IPCC.

# Decision IPCC/XLIII-4. Procedural matters. Size, composition and structure of a future IPCC Bureau

The Intergovernmental Panel on Climate Change decides,

To request the Secretary of the IPCC to include this matter and comments made from the floor in proposals to be submitted for the consideration of the Panel at the time of the five-year review of the Principles Governing IPCC Work expected to be considered no later than 2018.

# Decision IPCC/XLIII-5. Matters related to the United Nations Framework Convention on Climate Change (UNFCCC) and other international bodies.

The Intergovernmental Panel on Climate Change decides,

To take the outcomes of the 21<sup>st</sup> Conference of the Parties to the United Nations Framework Convention on Climate Change (UNFCCC) into account when determining the IPCC programme of work and products for the sixth IPCC assessment cycle.

## Decision IPCC/XLIII-6. Sixth Assessment Report (AR6) Products. Special Reports

The Intergovernmental Panel on Climate Change decides,

- 1. That all of the topics contained in the Special Report proposals contained in IPCC-XLIII/Doc.8 are important and should be addressed in the AR6 suite of products.
- 2. In the context of the Paris Agreement, to accept the invitation from the UNFCCC to provide a Special Report in 2018 on the impacts of global warming of 1.5 °C above pre-industrial levels and related global greenhouse gas emission pathways, and decides to prepare a Special Report on this topic in the context of strengthening the global response to the threat of climate change, sustainable development and efforts to eradicate poverty.
- 3. To prepare a Special Report on climate change, desertification, land degradation, sustainable land management, food security, and greenhouse gas fluxes in terrestrial ecosystems. The scoping process may consider challenges and opportunities for both adaptation and mitigation.
- 4. To prepare a Special Report on climate change and oceans and the cryosphere.
- 5. To recommend, within the AR6 scoping processes, a stronger integration of the assessment on the impacts of climate change on cities and their unique adaptation and mitigation opportunities, and make more robust the consideration of cities in the treatment of regional issues and in chapters that are focused on human settlements, urban areas and the like, including through the enhanced engagement of urban practitioners.
- 6. That the AR7 cycle will include a Special Report on climate change and cities.
- 7. To consider working with academia, urban practitioners, and relevant scientific bodies and agencies, to organize an international scientific conference on climate change and cities early in the AR6 cycle, in order to stimulate scientific reports and peer reviewed publications on this subject.
- 8. To consider modalities for addressing and enhancing the treatment of regional issues in the product suite of the Sixth Assessment during its scoping process.

## Decision IPCC/XLIII-7. Sixth Assessment Report (AR6) Products. Strategic Planning

## The Intergovernmental Panel on Climate Change decides,

- To consider the outline of the Special Report on the impacts of global warming of 1.5° C above pre-industrial levels and related global greenhouse gas emissions pathways at the 44<sup>th</sup> Session of the IPCC in October 2016. The draft Special Report on this topic will be considered by the Panel for approval at its Plenary session in September 2018.
- 2. To consider the outline of the Special Report on climate change, desertification, land degradation, sustainable land management, food security and greenhouse gas fluxes in terrestrial ecosystems at the 45<sup>th</sup> Session of the IPCC in 2017.
- 3. To consider the draft Special Report on climate change and oceans and cryosphere as early as possible during the Sixth Assessment Report cycle.
- 4. To consider the outline of the Methodology Report on Greenhouse Gas Inventories at the 44<sup>th</sup> Session of the IPCC in October 2016.
- 5. To consider the draft Methodology Report on Greenhouse Gas Inventories at a Plenary session of the IPCC in May 2019.
- 6. To consider the outline of the Sixth Assessment Report at a Plenary session of the IPCC provisionally scheduled for October 2017.
- 7. To consider the approval of the Synthesis Report of the Sixth assessment Report as soon as possible in 2022.
- 8. To request the Secretariat to prepare proposals for aligning the work of the IPCC during its Seventh Assessment Report with the needs of the global stocktake foreseen under the Paris Agreement and to submit these proposals for consideration at a Plenary session of the IPCC no later than 2018.

## Decision IPCC/XLIII-8. Update of methodologies on National Greenhouse Gas Inventories

The Intergovernmental panel on Climate Change decides:

To approve the proposal on "Refinement of 2006 IPCC Guidelines for National Greenhouse Gas Inventories, including production of a Methodology Report(s)" as contained in Annex 1 to this Decision.

## Refinement of 2006 IPCC Guidelines for National Greenhouse Gas Inventories, including production of a Methodology Report(s)

## Background

- 1. The 26<sup>th</sup> Meeting of Task Force Bureau (TFB) (28 29 August 2014, Ottawa) concluded that:
  - The 2006 IPCC Guidelines for National Greenhouse Gas Inventories (2006 IPCC Guidelines) provide a technically sound methodological basis of national greenhouse gas inventories, and therefore fundamental revision is unnecessary.
  - To maintain the scientific validity of the 2006 *IPCC Guidelines*, certain refinements may be required, taking into account scientific and other technical advances that have matured sufficiently since 2006.
- 2. Following these conclusions by the TFB and approval by the Panel at its 40<sup>th</sup> Session, the Task Force on National Greenhouse Gas Inventories (TFI) started a technical assessment of IPCC Inventory Guidelines through an on-line questionnaire survey and two expert meetings in 2015. The technical assessment revealed that there has been abundant new scientific and empirical knowledge published since 2006 which the IPCC should take into account, particularly with respect to data for emission factor development for some categories and gases. Consequently the necessity and usefulness of *refinement* of the current methodological guidance (e.g. updating default emission factors) has been recognized by TFB.
- This document responds to comments made by country delegates at the 42<sup>nd</sup> Session of the IPCC (5 - 8 October 2015, Dubrovnik) on this process.
- 4. Previously the former TFB Co-chairs suggested in their report to the Panel (IPCC-XLII/INF. 9, Corr.2) that refinement of the 2006 IPCC Guidelines should be undertaken, including production of a Methodology Report by 2019 so that it can be used by Parties to the United Nations Framework Convention on Climate Change (UNFCCC) to report on their national greenhouse gas inventories beyond 2020, presumably under a new climate agreement expected to be adopted at the 21<sup>st</sup> Session of the Conference of the Parties to the UNFCCC (COP21) in December 2015.
- 5. However, the Panel did not conclude consideration on that suggestion at the 42<sup>nd</sup> Session of the IPCC. The Panel agreed to take note of the report (IPCC-XLII/INF. 9, Corr.2); that the comments made by country delegates would be noted and included in the report of the 42<sup>nd</sup> Session of the IPCC; and to request the new TFB Co-chairs to take the submissions into consideration when revising the TFI work programme.
- 6. The comments made by country delegates were considered at the 27<sup>th</sup> Meeting of TFB (TFB27) was held on 16-18 November 2015 in Hayama, Japan. It was the first TFB meeting after the 42<sup>nd</sup> Session of the IPCC. The new TFB Co-chairs and new TFB members elected at the 42<sup>nd</sup> Session of the IPCC considered a proposal on refinement of the 2006 IPCC Guidelines, and agreed that the production of (a) new Methodology Report(s) must not be a revision of the 2006 IPCC Guidelines.

- 7. In December 2015, the COP21 adopted the Paris Agreement which emphasizes the importance of an enhanced transparency framework for action and support, and in that context it requires each Party to regularly provide a national greenhouse gas inventory prepared using good practice methodologies accepted by the IPCC and agreed upon by the COP serving as the meeting of the Parties to the Paris Agreement.
- 8. In order for the IPCC to be able to assist the Paris process by ensuring that it is supported by the best and latest available science, a refinement of the 2006 IPCC Guidelines is required as early as possible so that all UNFCCC Parties will be able to use good practice inventory methodologies based on up-to-date scientific knowledge under the Paris Agreement.

## **Objectives and Outputs**

- 9. The refinement of the current available guidance is necessary in order to provide an updated and sound scientific basis for future international climate actions, particularly those under the Paris Agreement.
- 10. The refinement work will not revise the 2006 IPCC Guidelines, but will provide an update, supplement and/or elaboration of the 2006 IPCC Guidelines where gaps or out-of-date science are identified by the scoping meeting and agreed by the Panel. The outcome of this refinement work will not replace the 2006 IPCC Guidelines, but would be used in conjunction with the 2006 IPCC Guidelines.
- 11. Refinements to the IPCC's understanding of the latest science may be communicated through a suite of products, including preparation of IPCC Methodology Report(s), issuance of expert meeting reports, internet Frequently Asked Questions (FAQs) and/or technical bulletins, addition of new emission factors and parameters in the IPCC Emission Factor Database (EFDB).
- 12. Of the possible products mentioned in paragraph 11 above, only a Methodology Report(s) can have the same legal status as *IPCC Guidelines* which are adopted and accepted by the Panel prior to a COP decision for agreement for use by Parties to the UNFCCC. In this context, it must be noted that default emission factors in the *IPCC Guidelines* can be updated only by producing a Methodology Report(s). It must be also noted that methodological guidance to supplement the *IPCC Guidelines* can also be provided only by producing a Methodology Report(s)<sup>1</sup>.
- 13. It is proposed that Methodology Report(s) as an output(s) of this refinement work be produced to address the following three needs while avoiding a fundamental revision of the 2006 IPCC Guidelines:
  - Providing supplementary methodologies for sources or sinks of greenhouse gases only where currently there are gaps or where new technologies and production processes have emerged requiring elaborated methodologies or for sources or sinks that are not well covered by the 2006 IPCC Guidelines;
  - Providing updated default values of emission factors and other parameters based on the latest available science only where significant differences from currently adopted factors are identified;
  - Providing additional or alternative up-to-date information and guidance, where possible, as clarification or elaboration of existing guidance in the 2006 IPCC *Guidelines.*

<sup>&</sup>lt;sup>1</sup> For example, the 2013 Supplement to the 2006 IPCC Guidelines for National Greenhouse Gas Inventories: Wetlands is a Methodology Report adopted and accepted by the Panel at its 37<sup>th</sup> Session in 2013.

- 14. Regarding the format of the Methodology Report(s) referred to in paragraph 13 above, there are some possible options. The options will be considered by the TFB during the scoping meeting mentioned in paragraph 15 below, before consideration and final decision by the Panel. The options include, but are not limited to:
  - a) A single Methodology Report which covers multiple sectors/categories/issues<sup>2</sup>
  - b) A set of multiple Methodology Reports, each of them addressing particular category/issue

## Work Planning

- 15. It is proposed to hold a scoping meeting before 44<sup>th</sup> Session of the IPCC in 2016 for the preparation of the Methodology Report(s) mentioned in paragraph 13 above, in order to consider the scope and format of the report(s). Draft terms of reference, draft table of contents and draft work plan for the proposed Methodology Report(s) will be prepared at this scoping meeting, and will be submitted to the 44<sup>th</sup> Session of the IPCC for its consideration and approval in 2016.
- 16. The TFB and the TFI Technical Support Unit (TSU) as appropriate will ensure that the scoping meeting takes full account of issues identified by the technical assessment expert meetings held in Geneva<sup>3</sup> and Sao Paulo<sup>4</sup> in 2015 and by the technical assessment expert meetings to be held in Wollongong, Australia on 25-29 April 2016<sup>5</sup>.
- 17. In accordance with Section 4.1 of Appendix A to the Principles Governing IPCC Work, based on the report of the scoping meeting, the Panel will decide whether to prepare a report and agree on its scope, outline, and the work plan including schedule and budget, and format of the final product(s).
- 18. Pending the Panel's approval, governments' nomination of authors will be solicited. Without prejudging any decision that the 43<sup>rd</sup> and 44<sup>th</sup> Sessions of the IPCC may take on the matter of Methodology Reports, paragraph 19 below indicates one possible schedule for the production of a Methodology Report which is provided for information only.
- 19. Activities in 2017 might include, in addition to regular activities of Inventory Software and Emission Factor Database (EFDB), (including "Japan meeting"), two sectoral (Energy, IPPU & Waste Sectors and AFOLU Sector) first lead authors meetings (LAM 1-a and 1-b) and the second lead authors meeting (LAM-2). In line with the IPCC Procedures, they will be followed by an expert review of the first-order draft (FOD), the third lead authors meeting (LAM-3) in early 2018, a government and expert review of the second-order draft (SOD), the fourth lead authors meeting (LAM-4) in 2018. Final government consideration of the final draft will take place from late 2018 and early 2019, and the acceptance and adoption of a Methodology Report will be at a Plenary session in 2019. It is likely that one

<sup>&</sup>lt;sup>2</sup> This will be similar to the *Good Practice Guidance and Uncertainty Management in National Greenhouse Gas Inventories* published in 2000 as an elaboration of the *Revised 1996 IPCC Guidelines for National Greenhouse Gas Inventorie.* 

<sup>&</sup>lt;sup>3</sup> Expert Meeting for Technical Assessment of IPCC Inventory Guidelines (Energy, IPPU, Waste Sectors), 29 June - 1 July 2015, Geneva, Switzerland.

<sup>&</sup>lt;sup>4</sup> Expert Meeting for Technical Assessment of IPCC Inventory Guidelines (AFOLU Sector) 13-16 July 2015, São Paulo, Brazil.

<sup>&</sup>lt;sup>5</sup> Expert meeting for Technical Assessment of IPCC Inventory Guidelines: follow-up on specified issues from the 2015 expert meetings 25-26 April 2016, Sydney, Australia; and Expert meeting for Technical Assessment of IPCC Inventory Guidelines (Cross-sectoral issues) 27-29 April 2016, Sydney, Australia.

or two focused science meetings will be required, one expected in 2017 and the other in 2018.

## The Final Products

- 20. The Methodology Report(s) will be (a) major product(s) of the refinement work, pending the Panel's approval. The format of the Methodology Report(s) would be decided by the Panel as mentioned in paragraph 14 above.
- 21. The refinement work, if decided by the Panel, will also allow the production of various supporting materials such as web-site FAQs the production of which will be decided and managed by the TFB in consultation with relevant experts and with the support of the TFI TSU.
- 22. Population of EFDB will need to be accelerated throughout this period so that new scientific information can be reflected as it becomes available.
- 23. Proposals to deliver this work are included in Decision IPCC/XLIII-1 on the IPCC Programme and Budget.

## Decision IPCC/XLIII-9. Future of the Task Group on Data and Scenario Support for Impact and Climate Analysis (TGICA)

The Intergovernmental Panel on Climate Change decides,

To request the Secretary of the IPCC to revise Document IPCC-XLIII/Doc.10, Corr.1, in collaboration with the Co-chairs of TGICA, in the light of the comments made by delegations at the 43<sup>rd</sup> Session of the IPCC for its consideration by the IPCC Bureau before submitting it to the Panel.

## Decision IPCC/XLIII-10. Communications for the Sixth Assessment Report (AR6)

The Intergovernmental Panel on Climate Change,

*Noting* the recommendations of the IPCC Expert Meeting on Communication, held on 9-10 February 2016 in Oslo, Norway;

*Recalling* Appendix A to the Principles Governing IPCC Work, which states that "In selecting scoping meeting participants, consideration should be given to the following criteria: ... experts with a background from relevant stakeholder and user groups, including governments";

*Recalling* its decision taken at the 35<sup>th</sup> Session of the IPCC to request the Executive Committee to update and develop the Implementation Plan of the Communications Strategy as circumstances require, and to report to the Panel on any updates;

*Recalling* its decision IPCC/XLI-4 on the Future Work of the IPCC that "To enhance the readability of IPCC products, advice from various specialists should be sought";

*Recalling* its decision IPCC/XLI-4 on the Future Work of the IPCC "To request the IPCC Secretariat to facilitate and enhance further the consistent and coherent use of up-to-date digital technology for sharing and disseminating information";

#### Decides:

- 1. *To request* the respective Working Group Bureau, or in the case of the Synthesis Report, the IPCC Chair, in preparing a scoping meeting:
  - to engage with governments and a wide range of stakeholders in the scoping process, seek greater input from stakeholder groups in the scoping process, and identify, with the help of governments and observer organizations, audiences and stakeholders who can provide input;
  - to consider different options to enable stakeholders to contribute to the scoping process, for instance through a call for submissions or other pre-scoping contacts;
  - to invite the Bureau to clarify the scoping process for the Sixth Assessment Report and suggest a process for consideration at the 44<sup>th</sup> Session of the IPCC;
- 2. *To request* the respective Working Group Co-Chairs, or in the case of the Synthesis Report, the IPCC Chair, in preparing a Summary for Policymakers:
  - to start the Summary for Policymakers with a highly accessible Executive Summary or storyline, focusing on the most policy-relevant messages, and include headline statements;
  - to consult on the length, structure and content with stakeholders during the scoping process;
- 3. *To encourage* the Working Group Bureaus or in the case of the Synthesis Report, the IPCC Chair:
  - to involve appropriate communications specialists from a range of disciplines in the writing process from the outset of the development of the report, in particular for the Summary for Policymakers and any Frequently Asked Questions;

- to offer training and good practice guidance on science writing to authors early in the writing process, for instance at lead author meetings, and where appropriate drawing on specialists available in other Working Groups or the Secretariat, subject to availability of funds;
- to take communications skills into consideration in selecting author teams, subject to the availability of funds;
- to consider setting up a team of communications specialists such as science writers, graphics designers or data visualists in the work of the Technical Support Units in order to contribute to the clarity and readability of the Summary for Policymakers, any Frequently Asked Questions, and in other ways to the accessibility of the Report, subject to the availability of funds;
- 4. To request the Secretary of the IPCC to organize an Expert Meeting on the science of communicating climate change, to be held once authors have been selected for the Sixth Assessment Report at a time and place that would most effectively and efficiently bring together researchers from communications science and IPCC authors to better understand the science of communication and technical questions and potential impacts of IPCC messages, paying special attention to questions of communicating risk and uncertainty, and to include 20 journeys for this meetings in the budget for 2018;
- 5. To request the Secretary of the IPCC, in consultation with the Communications Action Team, to update the Communications Strategy and its Implementation Plan in the light of the experience of communication and outreach around the Fifth Assessment Report and the recommendations of the Expert Meeting on Communication, and submit these proposals to the 44<sup>th</sup> Session of the IPCC.

## Proposed topics for revision in the Communications Strategy and its Implementation Plan

## General

• Recognize the limits to the IPCC's communications capacity, the role of third parties and the scope for interaction with them by the IPCC.

## Clarity, readability, access

- Prioritization of policy-relevant questions in the Summary for Policymakers, including use of headline statements, executive summaries, etc, and use of FAQs in the report;
- Use of communications specialists;
- Treatment of graphics;
- Training authors in writing and presentation skills;
- Training authors in use of graphics;
- Use of graphics in SPM and communications material to be informed by communications science.

#### Scoping

- Use search tags derived from the scoping process to enable users to navigate the report more easily;
- Involvement of stakeholders in the scoping process, including informal discussions at the pre-scoping stage.

#### Outreach

- Opening Trust Fund and other funds to voluntary contributions from other stakeholders (paying regard to possible conflicts of interest);
- Defining audiences and communications objectives, ensuring information is available and accessible to them without harming integrity of approved text;
- Role of developing country scientists in outreach events;
- Events for local young scientists at outreach activities;
- Training on presentations for authors;
- Sharing IPCC reports at events organized by other organizations;
- Creating a communications network of networks, engaging range of institutions and sectors that have an interest in climate science, tapping into communications officers at research organizations and scientific societies;
- Evaluation of outreach;
- Listing authors willing to take questions from governments and NGOs.

#### Derivative products

- Encourage production of derivative products by third parties, with clear no endorsement by IPCC;
- Informal support for such activities as appropriate and as time allows;
- Linking to appropriate third-party derivative products on the IPCC website.

## Transparency

- Publish formal drafts of report at the time of review, with appropriate disclaimer;
- Consider webstreaming and remote participation for some IPCC activities;
- Clear policy on transparency that explains why some things are not in;
- Archive graphics and underlying data for transparency and traceability.

## Press materials and media relations

- Establishing early relationships with media to lay groundwork for understanding the process and eventual findings
- Scope of pre-release interactions with media by Chair/co-chairs or authors they designate
- Cooperation between Co-chairs and Secretariat/TSU communications teams as report develops
- Media training for authors
- Global and regional launches of reports
- Timing of press conferences, embargoes and related matters
- Preparation for press conferences

## Social media and other communications technology

- Use of social media and new and evolving media and technologies
- Use of video and animation
- Enhancing and homogenizing websites

## Decision IPCC/XLIII-11. IPCC Library Facility

The Intergovernmental Panel on Climate Change decides,

- 1. To adopt the proposal for the establishment of an IPCC Library Facility as contained in Annex 1 to this decision.
- 2. To accept the generous offer from UNEP to develop, host and manage the IPCC Library Facility.
- 3. To authorize the Secretary of the IPCC to conclude an agreement with UNEP regarding the IPCC Library Facility.

# IPCC LIBRARY FACILITY

Extensive access to scientific journals and publications is essential for IPCC authors during the process of drafting IPCC reports. Accessing such sources of information in many cases requires to pay subscriptions and in many cases the costs are high in particular when the task is of the scale necessary for an IPCC assessment. This poses important challenges for many authors, in particular for authors from developing countries.

During previous assessment cycles agreements were reached by individual Technical Support Units with publishers or with university libraries. This approach however had also considerable transactional costs.

With a more integrated approach for the work between the different IPCC Working Groups during the Sixth Assessment cycle it would be desirable to establish a centralized IPCC library facility that would help authors to access relevant journals and publications at no cost. This would require the facility to enter into the necessary agreements with publishers.

Following consultation, the United Nations Environment Programme (UNEP) has manifested willingness in developing, hosting and managing such an IPCC library facility. UNEP would, with additional support from a temporary staff member funded by IPCC, (see budget below):

- Assess the list of scientific journals and publications cited in the Fifth Assessment Report (AR5) (WGI, WGII and WGIII) and Special Reports (SRREN<sup>6</sup> and SREX<sup>7</sup>);
- Circulate the list to the IPCC Secretariat requesting it to amend and make it fit to the expected needs of the Sixth Assessment Report (AR6) Working Groups and authors, indicate what type of access would be necessary;
- Make an inventory of the publishing houses and the major climate change related libraries and institutions within and outside the UN system holding or having access to the required journals and publications;
- Enter in Memoranda of Understanding or other instruments with the relevant publishers and libraries that would allow IPCC authors to access the necessary journals and publications;
- Establish, staff (with funding provided by IPCC as budgeted below) and service a system for managing the IPCC library facility. The facility should provide free pdf copies of papers in these journals or publications to authors either through access codes (for a direct access to the online journal archive) or through email request and upload of pdf copies of the articles. This second option should work very fast (1-2 days) to support the work of authors in real time.
- The facility should be operative for the start of the work of the authors for the first Special Report of the AR6 cycle (July 2017).

The Panel is invited to adopt a Decision giving a formal mandate to UNEP in this regard.

<sup>&</sup>lt;sup>6</sup> Special Report on Renewable Energy Sources and Climate Change Mitigation

<sup>&</sup>lt;sup>7</sup> Special Report on Managing the Risks of Extreme Events and Disasters to Advance Climate Change Adaptation

The Panel is invited to thank UNEP for the generous offer and authorizes the Acting Secretary of the IPCC to conclude an agreement with UNEP regarding the IPCC library facility.

# Budget for Library Facility Staff Support – funding required

Additional Staff required	Amount
International UN Volunteer (2 years)	\$107,300
Total	\$107,300

# Decision IPCC/XLIII-12. IPCC Scholarship Programme

The Intergovernmental Panel on Climate Change decides,

- 1. To take note of document IPCC-XLIII/Doc.7.
- 2. To thank the members of the Board of Trustees of the IPCC Scholarship Programme for their contribution to the IPCC Scholarship Programme and to release them from any further obligations or liabilities.

# Decision IPCC/XLIII-13. Decision pathway for consideration of requests from researchers for access to information and meetings

The Intergovernmental Panel on Climate Change decides,

To adopt the Decision pathway for consideration of requests from researchers for access to information and meetings as contained in Annex 1 to the decision.

# DECISION PATHWAY FOR CONSIDERATION OF REQUESTS FROM RESEARCHERS FOR ACCESS TO INFORMATION OR MEETINGS

# Background

At its 37<sup>th</sup> Session (14 – 18 October 2013, Batumi, Georgia), the IPCC Panel requested the IPCC Executive Committee to initiate an Expert Meeting on potential studies of the IPCC process and to produce a report that recommends principles to guide the IPCC's engagement with such research. The Expert Meeting (28 – 29 January 2015, Geneva, Switzerland) produced a meeting report including a set of principles to guide the IPCC's engagement on potential studies of the IPCC process.

In Decision IPCC/XLI-5 the Panel "approved the Principles to guide the IPCC's engagement in potential studies of the IPCC process" as recommended by the Expert Meeting on Potential Studies of the IPCC Process (28-29 January 2015, Geneva, Switzerland)" as contained in Annex 1.

Paragraph 1 of "the Principles" provides that "the IPCC should develop a decision pathway for consideration of requests from researchers for access to non-public IPCC materials or meetings".

At its 42<sup>nd</sup> Session the IPCC noted a report from the Acting Secretary of the IPCC with an update on the work being undertaken to draft such a "decision pathway".

# Decision pathway for consideration of requests for access to IPCC non-public material or meetings

#### 1. Access to IPCC non-public material

Most of the IPCC material is in the public domain and directly accessible through the IPCC webpage.

However Appendix A to the IPCC Principles Governing IPCC Work, the "Procedures for the Preparation, Review, Acceptance, Adoption, Approval and Publication of IPCC Reports", provides that "The IPCC considers its draft reports, prior to acceptance, to be pre-decisional, provided in confidence to reviewers, and not for public distribution, quotation or citation."

Requests for access to any additional information or material should be made in writing and should be addressed to the Secretary of the IPCC who will regularly inform the Bureau on requests being processed. The IPCC Secretariat will process such requests, in consultation with IPCC Working Group or Task Force Co-Chairs or by the Chair of the case of the Synthesis Report or other IPCC bodies where relevant, in the light of applicable national and international policies and rules.

It should be noted that the IPCC does not hold the ownership of many materials and information used during its operations. In these cases requests for access should be made directly to the owners of such information.

# 2. Access to IPCC meetings

Requests from researchers for access to IPCC meetings for the purposes of potential studies on the IPCC or the IPCC process should be made in writing and should be addressed to the Secretary of the IPCC.

# 2.1. <u>Requests are to include the following documentation or information:</u>

- a) Proposal of planned research.
- b) Letter of support from supervisor or institution, credentials of supervisor and institution (where applicable).
- c) Information about composition of research team.
- d) Credentials of researchers/research team, including CVs and publication lists.
- e) Description of type, timing and duration of access required.
- f) Justification of enhanced value from requested access to meetings.
- g) Consideration of ethical issues and data management.
- h) Description of the process by which the proposal has been or is being evaluated and mechanisms for quality assurance.
- i) Information about funding sources.
- j) Declaration of any potential conflict of interest.
- k) Anticipated benefit to the broader public interest.

# 2.2. <u>Researchers are to comply with the following requirements:</u>

- a) Researchers must obtain appropriate informed consent from all meeting participants prior to the participation in any meeting.
- b) All information identifying individuals, either directly or indirectly, will be kept confidential.
- c) The researchers will not intervene in IPCC deliberations.
- d) The researchers will study only activities for which they have prior informed consent.
- e) The IPCC Secretariat will be provided with the draft publication ahead of submission, for prompt comment by the relevant IPCC Working Group or Task Force Co-chairs or by the Chair in the case of the Synthesis Report or other IPCC bodies.
- f) The IPCC Secretariat will be provided with any draft public relations documents (e.g., press releases) for prompt comment by the Secretariat, in consultation with IPCC Working Group or Task Force Co-chairs or by the Chair in the case of the Synthesis Report or other IPCC bodies where appropriate, prior to public dissemination.
- g) Researchers will not disclose their findings to the public, including the news media, prior to the publication of their study.
- h) Timing of publication of studies must be agreed by the relevant IPCC Working Group or Task Force Co-chairs or by the Chair in the case of the Synthesis Report or other IPCC bodies. A publication may be embargoed for the duration of the assessment cycle.
- i) Conditions regarding confidentiality of information and/or data to which researchers will be bound to are subject to the prior informed consent. Confidential information and/or data will be held in accordance with the conditions established in the prior informed consent.
- j) At the completion of the assessment cycle, collected information will be shared with the IPCC for long-term archiving, respecting agreed standards for confidentiality and any future uses of the information agreed during the prior informed consent.

#### 2.3. <u>Procedure for consideration, approval and termination of proposals</u>

The IPCC Secretary will check that all the information and documentation requested is appropriately addressed in the proposal. Complete proposals will be transmitted to the Bureau together with a recommendation of the relevant Co-chairs of Working Groups and/or Task Forces and/or the Vice-chairs and/or the Chair of the IPCC as appropriate. This recommendation will address, inter alia, the following aspects:

- a) Benefit to broader public.
- b) Overall geographic balance and diversity of the research portfolio.
- c) Gender balance.
- d) Career stage balance.

The Secretary of the IPCC will inform applicants on the outcome of the deliberations by the Bureau and will produce a Memorandum of Understanding (MoU) to be signed by the applicant before the starting of the study. This MoU will constitute the formal instrument of approval of the application and will address the conditions under which access to any meeting would be granted. The MoU will also include clauses regarding termination of the arrangement.

The proponent will liaise with the IPCC Secretariat or the Co-chairs of the relevant Working Group and/or Task Force as appropriate regarding the practical arrangements for obtaining prior informed consent from participants of specific meetings they wish to attend and regarding to access to in-session documentation.

# PRINCIPLES TO GUIDE IPCC'S ENGAGEMENT ON POTENTIAL STUDIES OF THE IPCC PROCESS

- (1) The IPCC should develop a decision pathway for consideration of requests from researchers for access to non-public IPCC materials or meetings. The pathway should ensure that the following information requirements are met, while acknowledging the needs of IPCC authors and the need of researchers for an efficient and timely decision process.
- (2) Information required when submitting a request should include:
  - a) Proposal of planned research.
  - b) Letter of support from supervisor or institution, credentials of supervisor and institution (where applicable).
  - c) Information about composition of research team.
  - d) Credentials of researchers/research team, incl. CVs and publication lists.
  - e) Description of type, timing and duration of access required.
  - f) Justification of enhanced value from requested access to non-public materials or meetings.
  - g) Consideration of ethical issues and data management.
  - h) Description of the process by which the proposal has been or is being evaluated and mechanisms for quality assurance.
  - i) Information about funding sources.
  - j) Declaration of any potential conflict of interest.
  - k) Anticipated benefit to the broader public interest.
- (3) Evaluation criteria for requests

The IPCC may consider the information outlined in (2) in its decision pathway, along with:

- a) Benefit to broader public.
- b) Overall geographic balance and diversity of the research portfolio.
- c) Gender balance.
- d) Career stage balance.
- (4) Requirements for researchers conducting studies of the IPCC process

Note: Researchers should minimize the demands on IPCC authors

- a) Researchers must obtain appropriate informed consent from all subjects in the study.
- b) All identifying information will be kept confidential.
- c) The researchers may not intervene in IPCC deliberations.
- d) The researchers will only observe activities for which they have informed consent.
- e) IPCC will be provided draft publication ahead of submission, for prompt comment.
- f) IPCC will be provided any draft public relations documents (e.g., press releases) for prompt comment prior to their public dissemination.
- g) Researchers will not disclose their findings to the public, including the news media, prior to the publication of their study.
- h) Publication of studies will be embargoed until after the end of the assessment cycle, unless otherwise agreed to by the IPCC.

- i) Confidentiality of information and data to which researchers are granted access will be agreed during informed consent. Confidential information and data will be held in accordance with data protection requirements.
- j) 5 years after the completion of the assessment cycle, collected information will be shared with the IPCC for long term archiving.
- (5) The IPCC to consider developing a document and information management and conservation policy, which would apply to IPCC bodies and Technical Support Units (TSUs), taking into account:
  - a) Organizational structure and institutional arrangements.
  - b) Materials such as document archives and data sets to be held by IPCC Secretariat and TSUs.
  - c) Limits of disclosure.
  - d) Time limits to confidentiality.

In doing so, the IPCC could explore those areas that may be insufficiently documented and consider ways to improve documentation.

Establishment of appropriate policy would allow IPCC to respond to potential studies requests in consistent and timely manner

# Decision IPCC/XLIII-14. Place and date for the 44<sup>th</sup> Plenary Session

The Intergovernmental Panel on Climate Change decides,

To hold its 44<sup>th</sup> Session in October 2016 in a venue to be identified by the Secretary of the IPCC.

#### FORTY-THIRD SESSION OF THE IPCC NAIROBI, KENYA, 11-13 APRIL 2016

#### STATEMENT FROM DR PETTERI TAALAS, SECRETARY-GENERAL, WMO REGARDING THE APPOINTMENT OF THE SECRETARY OF IPCC

I would like to greet the IPCC assembly on behalf of WMO, the other founding agency of the IPCC and the hosting organization of the IPCC Secretariat. Unfortunately I am not in a position to attend the IPCC assembly this time in person. As a former atmospheric scientist and IPCC delegate of Finland, I am fully aware of the importance of the IPCC work and will do my utmost for its success. WMO, UNEP and IPCC have a common challenge to continue communicating the findings of climate science to decision makers and to general public to emphasize the need for climate mitigation as well as adaptation.

Besides the positions of the IPCC Chair, Vice Chairs and Co-Chairs of Working Groups and the TSUs, one key position is that of the IPCC secretary. The Secretary is responsible for facilitating the practical aspects of the IPCC work, and is also a member of WMO staff. Since this position is essential for the success of the IPCC's work, the selection process has been done with extreme care. The final selection among several excellent candidates was made by myself, the UNEP Executive Director and the IPCC Chair following UN procedures. This extensive process has allowed both myself as the new WMO Secretary General and the new IPCC chair to be a part of the selection process.

After very careful consideration, we have decided to offer the post of the new IPCC Secretary to Mr. Abdallah Mokssit from Morocco, which I am pleased to say he has accepted. Subject to completion and clearance of the necessary procedures, the appointment process will be completed very shortly. Mr Mokssit has a long experience with the IPCC, WMO and at the national level. In WMO he is currently a vice-president, and has contributed significantly to several key climate and weather activities. Under his leadership, the Meteorological Service of Morocco has become one of the leading meteorological agencies in Africa, meeting high international standards. I have had the pleasure to collaborate with him for more than a decade as a colleague, WMO Director and as an Executive Council member. He has special organizational and diplomatic skills; these will be needed to engage more developing country experts and governments in the IPCC work. I am convinced that Abdallah Mokssit will be a very useful asset for IPCC in this regard.

I would like to wish you all a most successful meeting and a safe journey back to your home countries. I am eager to hear the outcomes of your Panel session, which we will handle at the WMO Executive Council to be held from 15 to 24 June. Thank you.

# Brief Biography of Mr Abdallah Mokssit

Mr Abdallah Mokssit, born in Azrou, Morocco in 1961, obtained his Masters Degree in Mathematics from the University of Rabat in 1983, his graduate degree in Meteorology from the National School of Meteorology of Toulouse, Météo-France in 1985 and second graduate degree in Telematics and Information Systems from SUPELEC in France in 1987.

In July 1987, he joined the Centre of Studies and Information Processing in Morocco and became the Chief of dynamic meteorology service of Morocco in 1991. In July 1992, he became the Head of a Division in the National Centre for Climate and Meteorological Research (CNCRM) in Morocco and in January 2005 was appointed as the Deputy Director of the National Meteorological Department of Morocco and Head of the CNCRM. In February 2009, Mr Mokssit was appointed as the Director of the National Meteorological Department of Morocco.

In May 1996, His Majesty, the late King Hassan II of Morocco awarded the «National Order of Merit, Excellent Class» to Mr Mokssit for his contribution to the modernization of the National Meteorology.

In 2006, His Majesty King Mohamed VI of Morocco awarded the «Throne Order, 4<sup>th</sup> Class (Knight)» to Mr Mokssit.

#### Statement by Saudi Arabia on Procedures and Transparency

Mr. Chairman,

Our delegation would like to flag its concerns on procedures followed by this session of the Panel, which we did not want to raise during the session to avoid taking away focus from the flow of discussion and the progress of this important and strategic session.

Mr. Chairman,

We want to highlight that there was no agenda item allocated to discuss the report and outcomes of the latest Bureau report, which in our opinion is an issue of transparency and could create precedent that will move us away from the rules, procedures, and practices that the Panel have observed over the past 25 years. This should be a standing agenda item that is discussed separately and we strongly suggest that this would be reflected in the future meeting agendas. It would be inappropriate that important meetings of the sub- bodies of this Panel are being marginalized and their outcomes are ignored.

Moreover, it was inappropriate to have the co-chairs report their views on behalf of the Bureau and not reflect the actual outcomes of the Bureau meetings. It has been the principals governing the IPCC since its inception to always reflect the different views of member countries of the bureau even if there was no consensus. The Bureau is designed to ease the process of decision making for all of us here. Thus, all views should be well reflected and that the Chairman will ensure the efficient use of time, money and resources during the Panel by focusing on areas of non consensus and diverging views in the Bureau outcomes. Transparency was an important value that insured the success of the outcomes of this Panel and we hope this will continue for future meetings. We believe it is your responsibility Mr. Chairman to ensure that this will continue to be the case.

Mr. Chairman,

We would like to annex this statement in the report of this session.

**ANNEX 5** 

# INTERGOVERNMENTAL PANEL ON CLIMATE CHANGE

# 43<sup>rd</sup> SESSION OF THE INTERGOVERNMENTAL PANEL ON CLIMATE CHANGE Nairobi, Kenya, 11-13 April 2016

LIST OF PARTICIPANTS

#### **CHAIR OF THE IPCC**

Hoesung LEE c/o Korea Meteorological Administration, Yeoeuidaedaebang-ro 16-gil 61 Dongjak-gu Seoul 07062 Republic of Korea Tel.:+822 835 1363 E-mail: hoesung@unitel.co.kr

#### **BUREAU MEMBERS**

Amjad ABDULLA Ministry of Environment and Energy Ameenee Magu Male Maldives Tel.: +9607775543 E-mail: abdulla.amjad@gmail.com

Ko BARRETT IPCC Vice-chair National Oceanographic and Atmospheric Administration Climate Program Office Silver Spring, MD United States of America Tel.:+1 301 734 1204 E-mail: ko.barrett@noaa.gov

Eduardo CALVO Co-chair TFI UNMSM Jr. Nicanor Arteaga 549 San Borja Lima 41 Peru Tel.:+51 1 346 2299 Mobile + 51 98 69 19 539 E-mail: e13calvo@gmail.com

Diriba DADI National Meteoorlogical Agency P.O. Box 1090 Addis Ababa Ethiopia Tel.: + 116615528 E-mail: dkorecha@yahoo.com

Fatima DRIOUECH Direction de la Météorologie Nationale Bd du complexe administratif Hay Hassani BP 8106 Casa Oasis Casablanca Morocco Tel.: +212522654872 E-mail: driouechfatima@yahoo.fr Nagmeldin Goutbi ELHASSAN MAHMOUD Higher Council for Environment & Natural Resources P.O. Box: 10488- Khartoum Khartoum Sudan Tel.:+249 183 784279 E-mail: goutbi@yahoo.com

Andreas FISCHLIN ETH Zurich Systems Ecology - Institute of Integrative Biology CHN E 21.1 Universitaetstrasse 16 Zurich Switzerland Tel.:+41 44 633 6090 E-mail: andreas.fischlin@env.ethz.ch

Gregory FLATO Environment and Climate Change Canada University of Victoria, Canadian Centre for Climate Modelling and Analysis, 3800 Finnerty Road Victoria Canada Tel.:+1 250 363-8233 E-mail: greg.flato@canada.ca

Jan FUGLESTVEDT CICERO PO Box 1129 Blindern Oslo Norway Tel.:'+4722858764 E-mail: j.s.fuglestvedt@cicero.oslo.no

Mark HOWDEN CSIRO GPO Box 1700 Canberra Australia Tel.: +61262464118 E-mail: mark.howden@csiro.au

Valérie MASSON-DELMOTTE Co-chair WG I LSCE Bat 701, L'Orme des Merisiers, CEA Saclay 91 191 Gif-sur-Yvette cédex France Tel.: +33169087715 E-mail: valerie.masson@lsce.ipsl.fr Carlos MENDEZ Science Minister Kilometro 11, carretera Panamericana Caracas Venezuela, Bolivarian Republic of Tel.:'+582125041246 E-mail: cmendez@ivic.gob.ve

Joy PEREIRA Universiti Kebangsaan Malaysia SEADPRI-UKM, Institute for Environment and Development Bangi Malaysia Tel.:'+60389214852 E-mail: pereirajoy@yahoo.com

Ramon PICHS MADRUGA Centro de Investigaciones de Economia Mundial (CIEM) Calle 22 No. 309, entre 3ra y 5a Avenida Miramar, Habana 13, CP 11300 Cuba Tel.:+537 206 2697, +537 870 2048 E-mail: rpichs@ciem.cu

Hans-otto PÖRTNER Co-Chair WG II Alfred-Wegener-Institute Am Handelshafen 12 D-27570 Bremerhaven Germany Tel.:+49 471 4831 1307 E-mail: hans.poertner@awi.de

Andy REISINGER New Zealand Agricultural GHG Research Centre 14th floor, 86-90 Lambton Quay Wellington New Zealand Tel.:'+642102950310 E-mail: andy.reisinger@nzagrc.org.nz

Debra ROBERTS Co-Chair WG II Ethekwini Municipality Environmental Planning and Climate Protection, 166 KE Masinga (Old Fort) Road Durban Durban South Africa Tel.:27 31 311 7527 E-mail: Debra.Roberts@durban.gov.za Sergey SEMENOV Institute of Global Climate and Ecology Glebovskaya Street, 20B Moscow Russian Federation Tel.:+7 499 169 2411 E-mail: SergeySemenov1@yandex.ru

Jim SKEA Co-Chair WG III Imperial College London UK 14 Princes Gardens London United Kingdom of Great Britain and Northern Ireland Tel.:+44 207 594 9294 E-mail: j.skea@imperial.ac.uk

Youba SOKONA IPCC Vice-chair South Centre Chemin du Champ d'Anier Geneva Switzerland/Mali Tel.:+41 227918046 E-mail: ysokona@gmail.com

Kiyoto TANABE Co-chair TFI Institute for Global Environmental Strategies (IGES) 2108-11 Kamiyamaguchi Hayama, 240-0115 Japan Tel.:+81 46 855 3752 E-mail: tanabe@iges.or.jp

Carolina VERA CIMA Murillo 1121 5 H Buenos Aires Argentina Tel.:-47872650 E-mail: carolina@cima.fcen.uba.ar

Pius YANDA University of Dar-es-Salaam P.O. Box 33453 Dar-es-Salaam United Republic of Tanzania Tel.:-2410474 E-mail: pyanda@gmail.com Noureddine YASSAA Centre de Développement des Energies Renouvelables Route de l'Observatoire BP 62 Bouzaréah Algiers Algeria Tel.: +21323189059 E-mail: n.yassaa@cder.dz

Taha ZATARI Designated National Authority for CDM P.O.Box 94293 Riyadh Saudi Arabia Tel.: +966112819719 E-mail: tahazat@yahoo.com

Panmao ZHAI Co-chair WG I China Meteorological Administration 46 Zhongguancun Nandajie, 100081 Beijing China Tel.:+86 10 68409421 E-mail: pmzhai@cma.gov.cn

#### **MEMBER STATES**

#### ANGOLA

Luis CONSTANTINO Ministry of Environment Rua dos Enganos, Nº5 Torre Zimbo 4º Andar Kinaxixi, Luanda Angola Tel.:+244 222 010755 E-mail: luisdomingosconstantino@gmail.com

#### ARGENTINA

Alvaro Gabriel ZOPATTI Ministry of Environment and Sustainable Development Reconquista 555 Buenos Aires Argentina Tel.: +541143488648 E-mail: alvarozopatti@gmail.com

#### ARMENIA

Asya MURADYAN Ministry of Nature Protection Gov. Bld 3, Republic sq. Yerevan Armenia Tel.:+374011818535 E-mail: interdpt@yahoo.com

#### AUSTRALIA

Trevor ANALO Australian High Commission in Nairobi Riverside Drive, off Chiromo Road Nairobi Kenya/Australia Tel.:+254 20 4277 100 E-mail: Trevor.Analo@dfat.gov.au

Maggie BAILEY Department of the Environment John Gorton Building, Kind Edward Terrace Canberra ACT 2600 Australia Tel.:+61 61597161 E-mail: maggie.bailey@environment.gov.au

Andrew MARRIOTT Australian High Commission in Nairobi Riverside Drive, off Chiromo Road Nairobi Kenya/Australia Tel.: +254 726 409 619 E-mail: Andrew.Marriott@dfat.gov.au

Rob STURGISS Department of the Environment John Gorton Building, King Edward Terrace Canberra ACT 2600 Australia Tel.:+61 02 6159 7388 E-mail: rob.sturgiss@environment.gov.au

#### AUSTRIA

Manfred OGRIS Fed. Ministry for Agriculture, Forestry, Environment and Water Stubenbastei 5 A-1010 Wien Austria Tel.:+431 51522 1741 E-mail: manfred.ogris@bmlfuw.gv.at

#### AZERBAIJAN

Jeyhun HASANOV Ministry of Ecology and Natural Resources H.Aliyev ave 10 Baku Azerbaijan Tel.:+99412 5662794 E-mail: jeyhun360@gmail.com

#### BANGLADESH

Nurul QUADIR Ministry of Environment & Forests Building # 6, Level # 13,Bangladesh Secretariat Dhaka 1200 Bangladesh Tel.:+88029540472 E-mail: nguadir@gmail.com

#### BELIZE

Dennis GONGUEZ Principal Delegate National Meteorological Service Philip Goldson International Airport Ladyville Belize Tel.:+501 225 2012 E-mail: dgonguez@hydromet.gov.bz

#### BELGIUM

Philippe MARBAIX Université catholique de Louvain (UCL) -Georges Lemaître Centre for Earth and Climate Research (TECLIM) Place Louis Pasteur 3, (bte L4.03.08) 1348 Louvain-la-Neuve Belgium Tel.:+32 (0) 10 47 32 99 E-mail: Philippe.Marbaix@uclouvain.be

Jean- Pascal VAN YPERSELE Université catholique de Louvain (UCL) -Georges Lemaître Centre for Earth and Climate Research (TECLIM) Place Louis Pasteur 3, (bte L4.03.08) 1348 Louvain-la-Neuve Belgium Tel.:+32 (0) 10 47 32 96 E-mail: vanyp@climate.be

Martine VANDERSTRAETEN Belgian Federal Science Policy Office Louizalaan 231 - Avenue Louise1050 1050 Brussels Belgium Tel.:+32 (0) 2 238 36 10 E-mail: vdst@belspo.be

#### BHUTAN

Karma DUPCHU Principal Delegate Hydrology Division, DHMS-MoEA Thimphu Bhutan Tel.:+975 2 323632 E-mail: kdupchu@moea.gov.bt

#### **BOSNIA AND HERZEGOVINA**

Marko STANOJEVIC University of Banja Luka Faculty of Science Mladena Stojanovica 2 78 000 Banja Luka Bosnia and Herzegovina Tel.:'+38751311178 E-mail: marko.stanojevic8619@gmail.com

#### BOTSWANA

Dorcas MASISI Meteorological Services Botswana P. O. Box 10100 Gaborone Botswana Tel.: +267 3612249 E-mail: dmasisi@gov.bw

#### BRAZIL

Maria Clara CERQUEIRA Embassy of Brazil in Nairobi 121 UN Crescent, Gigiri Nairobi Kenya/Brazil Tel.:+254 717 264761 E-mail: clara.cerqueira@itamaraty.gov.br

Guiherme LIMA Ministry of Foreign Relations, Division of Climate and Ozone Esplanada dos Ministérios - Bloc H - Annex II Room 204 Brasilia Brazil Tel.:+55 61 2030 9292 E-mail: guilherme.lima@itamaraty.gov.br

Marcela RAPOSO Ministry of Science, Technology and Innovation Esplanada dos Ministérios, Bloco E, Zipcode 70067-900 Brasilia Brazil Tel.:+55 61 2033-7923 E-mail: marcela.aboim@mcti.gov.br

#### **BULGARIA**

Rayna ANGELOVA Ministry of Environment and Water 22 Maria Luiza Blvd., complex Suhata reka, bl.15, entr.2, ap.2 Sofia Bulgaria Tel.:+35929406133 E-mail: rkangelova@moew.government.bg

#### BURUNDI

Shiramanga MAURICE Institut Géographique du Burundi BP 331 Bujumbura Burundi Tel. :+257 222 23150 E-mail: mshiramanga@yahoo.com

#### **CABO VERDE**

Francisco DA VEIGA CORREIA National Institute of Meteorology BP. 467 INMG - Praia Cape Verde Praia Cabo Verde Tel.:+238 2617891 E-mail: franciscocorreia073@gmail.com

#### CAMBODIA

Vichet Ratha KHLOK Ministry of Environment Morodok Techo Building, No. 503, Road along Bassac River, Chamkarmon Phnom Penh Cambodia Tel.:+85523218370 E-mail: vichetratha02@gmail.com

#### CAMEROON

Temothee KAGONBE MINEPDED, BP. 320 Yaoundé, Cameroun. Cameroon B.P 2981, Mimboman Yaoundé Cameroon Tel.:+237 677 44 27 31 E-mail: kagonbet@yahoo.fr

#### CANADA

Karen DODDS Principal Delegate Environment and Climate Change 200 Sacre Coeur Blvd., 11th Floor Gatineau Canada Tel.:+1 819 938 3435 E-mail: karen.dodds@canada.ca

Marjorie SHEPHERD Environment and Climate Change 4905 Dufferin Street Toronto Canada Tel.:+1 (416) 739-4230 E-mail: marjorie.shepherd@canada.ca

Lauren WALSHE ROUSSEL Environment and Climate Change 200 Sacré Coeur Blvd., 11th Floor Gatineau Canada Tel.:+1 819 938 3473 E-mail: lauren.walshe-roussel@canada.ca

#### **CENTRAL AFRICAN REPUBLIC**

Joel-urbain TETEYA National Met Service - Independance Avenue Meteo B.P 941 Civil Aviation and Meteorology Bangui Central African Republic Tel.: +23672760747 E-mail: JUTETEYA@YAHOO.FR

#### CHAD

Hamid ABAKAR SOULEYMANE Principal Delegate Direction General of the National Meteorology B. P. 429 NDJAMENA Chad Tel.:+235 62000047 / +235 92129808 E-mail: chogara11@yahoo.fr

#### CHINA

Qingchen CHAO China Meteorological Administration No. 46, Zhongguancun Nandajie Beijing China Tel.:+86 10 68406681 E-mail: chaoqc@cma.gov.cn Sha FU National Development and Reform Commission 1 Yuyuantan Nanlu Beijing China Tel.:+86 1068781322 E-mail: fusha216@gmail.com

Lei HUANG China Meteorological Administration 46 Zhongguancun Nandajie Beijing,100081 China Tel.:+86 10 68409594 E-mail: huanglei@cma.gov.cn

Xianghua XU China Meteorological Administration 46 Zhongguancun Nandajie Beijing,100081 China Tel.:+86 10 68406662 E-mail: xianghua@cma.gov.cn

Jiashuang YUAN China Meteorological Administration 46 Zhongguancun Nandajie Beijing, 100081 China Tel.:+86 10 68406732 E-mail: yuanjs@cma.gov.cn

Ningning ZHANG Chinese Academy of Sciences 52, Sanlihe Road Beijing China Tel.:+8610 68597580 E-mail: nnzhang@cashq.ac.cn

#### COLOMBIA

Jose Franklyn RUIZ MURCIA Principal Delegate IDEAM Calle 25D no. 96B-70 Bogota Colombia Tel.:(571) 3527160 E-mail: franruiz@ideam.gov.co

#### COMOROS

Ben Anthoy Bacar MOUSSA Principal Delegate Moroni-Dawedjou BP: 2185 Moroni Comoros Tel.:+2693408018 E-mail: benanthoy@yahoo.fr

#### CONGO

Joel Jean LOUMETO Ministère du Tourisme et de l'Environnement 11e Etage Tour Nabemba, Centre ville Brazzaville Congo Tel.:+242066683823 E-mail: loumeto@hotmail.com

#### COOK ISLANDS

Arona NGARI Principal Delegate Cook Islands Meteorological Service P O Box 127 Avarua Cook Islands Tel.:+ 682 20603 E-mail: arona.ngari@cookislands.gov.ck

#### CÔTE D'IVOIRE

Kouakou Bernard DJE Principal Delegate Meteorology Office 15 BP 990 Abidjan Côte d'Ivoire Tel.:+225 05817721 E-mail: dkouakou\_b@yahoo.fr

#### CROATIA

Kreso PANDZIC Principal Delegate Meteorological and Hydrological Service Gric 3 Zagreb Croatia Tel.:+385 1 45 65 684 E-mail: pandzic@cirus.dhz.hr

#### **COSTA RICA**

Roberto VILLALOBOS National Meteorological Institute Aranjuez San Jose Costa Rica Tel.:+(506) 2222 5616 ext 201 E-mail: rvilla@imn.ac.cr

# CUBA

Celso PAZOS ALBERDI Institute of Meteorology Loma de Casablanca La Havana Cuba Tel.: +(537) 86 86 408 E-mail: celso.pazos@insmet.cu

### **CZECH REPUBLIC**

Radim TOLASZ Principal Delegate Czech Hydrometeorological Institute Na Å abatce 17 Praha 4 - Komořany Czech Republic Tel.:+420 596 900 277 E-mail: tolasz@chmi.cz

#### DEMOCRATIC REPUBLIC OF THE CONGO

Germain ZASY NGISAKO Direction de Développement Durable Ministère de l'Environnement 2895, Bld du Palais de la Nation Commune de la Gombe Kinshasa Democratic Republic of the Congo Tel.:+243844143260 E-mail: zasygermain@gmail.com

#### DENMARK

Tina CHRISTENSEN Danish Meteorological Institute Lyngbyvej 100 Copenhagen Denmark Tel.:+45 3915 7496 E-mail: tic@dmi.dk

#### DOMINICA

Lloyd PASCAL Principal Delegate Environmental Coordinating Unit Roseau Fisheries Complex Building Roseau Dominica Tel.: +17672665256 E-mail: pascallloyd@gmail.com

### DOMINICAN REPUBLIC

Pedro GARCIA BRITO Principal Delegate Ministry of Environment and Natural Resources Ave. Cayetano Germosen Esq. Ave. Gregorio Luperon, El Pedregal Santo Domingo Dominican Republic Tel.:+809 567 4300 - 6250 E-mail: cambio.climatico@ambiente.gob.do

### EGYPT

Lydia ELEWA Egyptian Environmental Affairs Agency 30, Misr Helwan El-Zyrae Road, Maadi Cairo Egypt Tel.: +20225246162 E-mail: lydiaelewa7@hotmail.com

# EL SALVADOR

Antonio CANAS CALDERON Ministry of Environment and Natural Resources Calle y Colonia Las Mercedes, Km 5.5 carretera a Santa Tecla, Edificio MARN San Salvador El Salvador Tel.:+ 50321329418 E-mail: acanas@marn.gob.sv

#### **ESTONIA**

Taimar ALA Environment Agency Mustamäe tee 33 Tallinn Estonia Tel.:+3725276074 E-mail: taimar.ala@envir.ee

#### FINLAND

Pirkko HEIKINHEIMO Principal Delegate Ministry of the Environment P.O. Box 35 Helsinki Finland Tel.:+358406841517 E-mail: pirkko.heikinheimo@ymparisto.fi

Heikki TUOMENVIRTA Finnish Meteorological Institute B.O. Box 503 Helsinki Finland Tel.:+358295394122 E-mail: heikki.tuomenvirta@fmi.fi

#### FRANCE

Eric BRUN MEDDE DGEC/SCEE/ONERC 92055 LA DEFENSE France Tel.:+33140819294 E-mail: eric.brun-barriere@developpementdurable.gouv.fr

Jean-marie FLAUD MENESR/DGRI 1 rue Descartes 75005 Paris France Tel.: +33155558836 E-mail: jean-marie.flaud@recherche.gouv.fr

Antoine MICHON MAEDI France 244 Boulevard Saint Germain 75007 Paris France Tel.:+33144498068 E-mail: antoine.michon@diplomatie.gouv.fr

Timothée OURBAK MAEDI - Equipe COP21 244 Boulevard Saint Germain 75007 PARIS France Tel.:+33144498056 E-mail: timothee.ourbak@diplomatie.gouv.fr

#### GAMBIA

Lamin Mai TOURAY Principal Delegate Department of Water Resources 7, Marina Parade Banjul Gambia Tel.:+(220) 4227631 E-mail: touraylm@yahoo.co.uk

#### GEORGIA

Ramaz CHITANAVA Principal Delegate Hydrometerological Department of Georgia 150, David Agmashenebeli Ave Tbilisi Georgia Tel.:+995 32 243 95 50 E-mail: chitanavaramaz@gmail.com

#### GERMANY

Lutz MORGENSTERN Principal Delegate Federal Ministry for the Environment Nature Conservation Building and Nuclear Safety Köthener Straße 2-3 Berlin Germany Tel.:+49 30 18305 2361 E-mail: Lutz.Morgenstern@bmub.bund.de

Christian MÜLLER Federal Ministry for the Environment, Nature Conservation, Building and Nuclear Safety Germany Köthener Straße 2-3 Berlin Germany Tel.:+49 - 30 - 18 305 4695 E-mail: Christian.Mueller@bmub.bund.de

Christiane TEXTOR Project Management Agency - Part of the German Aerospace Center Germany Heinrich-Konen-Straße 1 Bonn Germany Tel.:+49 228 3121 1554 E-mail: christiane.textor@dlr.de

#### GHANA

Kwadwo OWUSU Department of Geography and Resource Development Ghana/University of Ghana. Legon P. O. Box LG59 Legon, Accra Ghana Tel.:+233 267 528 993 Email: kowusu1@gmail.com

#### GRENADA

Michael MASON Ministry of Agriculture Ministerial Complex Botanical Gardens St. George Grenada Tel.:+4734403083 Ext.3020 E-mail: elvismason@gmail.com

#### **GUATEMALA**

Marcel OSEIDA Ministry of Enviroment and Natural Resources (MARN) Street 20, 28-58 zone 10 Guatemala City Guatemala Tel.: + (502) 24230500 ext 2306 E-mail: marcel.oseida@gmail.com

# **GUINEA BISSAU**

Joao LONA TCHEDNA National Institut of Meteorology Avenida do Brasil, Cx.P. Nº 75 1038 Cedex-Bissau Guinea Bissau Tel.:+245 955422007 E-mail: J\_Lona@yahoo.fr

# **GUINEA**

Yaya BANGOURA Principal Delegate Route du Niger face Jardin 2 octobre BP 566 Conakry Conakry Guinea Tel.:'+224664564191 E-mail: alphayaya2009@yahoo.fr

# HAITI

Kenel DELUSCA Principal Delegate Ministry of Environment Rue 4, Pacot Port-au-Prince Haiti Tel.:+11-509-44663777 E-mail: kenel.delusca@gmail.com

#### HUNGARY

Andràs HUSZÀR Ministry of National Development 1011 Budapest, Föutca 44-50. Budapest Hungary Tel.:+3617954125 E-mail: andras.huszar@nfm.gov.hu

Monika LAKATOS Hungarian Meteorological Service 1024 Budapest, Kitaibel Pál utca 1. Budapest Hungary Tel.:+3613464725 E-mail: lakatos.m@met.hu

# INDONESIA

Lawin BASTIAN Ministry of Environment and Forestry Gd Manggala Wanabakti Blokn VII Lantai 12 Jakarta Indonesia Tel.:'+62215700242 E-mail: bastiankatoomba@yahoo.com

#### IRAN

Iman BABAEIAN I.R. of Iran Metoerological Organization (IRIMO) Meraj Blvd., Azadi Sq., P.O. Box 13185-461 Tehran Iran Tel.:+ 9821 660 700 38 E-mail: i.babaeian@gmail.com

Davood PARHIZKAR Principal Delegate I. R. of Iran Meteorological Organization Meraj BLVD., Azadi SQ., P.O.Box: 13185-461 Tehran Iran Tel.:+982166070038 E-mail: Parhizkar@irimo.ir

### IRELAND

Frank MCGOVERN Richview, Clonskeagh Road Dublin 14 Ireland Tel.:+35312680100 E-mail: f.mcgovern@epa.ie

# ITALY

Eleonora COGO CMCC Via Franeschini 14 Bologna Italy Tel.:+390510406203 E-mail: eleonora.cogo@cmcc.it

# JAMAICA

Jacqueline SPENCE Meteorological Service 65 3/4 Half Way Tree Road Kingston 10 Jamaica Tel.:+1 876 960 8990 E-mail: j.spence@metservice.gov.jm

#### JAPAN

Yohei CHIBA Institute for Global Environmental Strategies 2108-11 Kamiyamaguchi, Hayama Kanagawa Japan Tel.:-4592 E-mail: y-chiba@iges.or.jp

Mai FUJII Research and Information Office Policy and Coordination Division Global Environment Bureau Ministry of the Environment (MOE) 1-4-2-17F Kasumigaseki Chiyoda-ku Tokyo Japan Tel.:-13690 E-mail: MAI\_FUJII@env.go.jp

Chie HAYASHI Ministry of Education, Culture, Sports, Science and Technology 3-2-2 Kasumigaseki, Chiyoda-ku Tokyo Japan Tel.:-10837 E-mail: chayashi@mext.go.jp

Shumpei IIDA Forestry Agency 1-2-1, Kasumigaseki, Chiyoda-ku Tokyo Japan Tel.:-11664 E-mail: shumpei\_iida@nm.maff.go.jp

Izumi MORI Environment and Energy Division Research and Development Bureau Ministry of Education, Culture, Sports, Science and Technology 3-2-2 Kasumigaseki, Chiyoda-ku Tokyo Japan Tel.: +81-3-6734-4181 E-mail: imori@mext.go.jp

Muneyuki NAKATA Institute for Global Environmental Strategies (IGES) 2108 Kamiyamaguchi, Hayama Kanagawa Japan Tel.:-10391 E-mail: nakata@iges.or.jp Yukiko NAKAYAMA Research Institute of Innovative Technology for the Earth 9-2 Kizugawadai, Kizugawa-shi Kyoto Japan Tel.: +81-774-75-2302 E-mail: nakayama@rite.or.jp

Ryudai OSHIMA Ministry of Agriculture, Forestry and Fisherie 1-2-1 Kasumigaseki, Chiyoda-Ku Tokyo Japan Tel.:+81-(0)3-6744-2016 E-mail: ryudai\_oshima900@maff.go.jp

Takuya SAKASHITA Japan Meteorological Agency 1-3-4 Otemachi Chiyoda-ku Tokyo Japan Tel.:-11475 Email: sakashita@met.kishou.go.jp

Masato TAKAGI Research Institute of Innovative Technology for the Earth 9-2 Kizugawadai, Kizugawa-shi Kyoto Japan Tel.:+81 774 75 2302 E-mail: takagi@rite.or.jp

Akio TAKEMOTO Research and Information Office, Policy Planning Dvision Global Environment Bureau Ministry of the Environment Daido Seimei Kasumigaseki Bldg. 17F 1-4-2, Kasumigaseki, Chiyoda-ku Tokyo Japan Tel.:-13690 E-mail: AKIO\_TAKEMOTO@env.go.jp

Michiyoshi TOYA Ministry of Economy,Trade and Industry 1-3-1 Kasumigaseki, Chiyoda-ku Tokyo Japan Tel.:+81335017830 E-mail: toya-michiyoshi@meti.go.jp Kazuyuki YAGI National Institute for Agro-Environmental Sciences 3-1-3 Kannondai, Tsukuba Ibaraki Japan Tel.:-8966 E-mail: kyagi@affrc.go.jp

Kazuyoshi YOSHIMATSU Administration Division, Global Environment and Marine Department, Japan Meteorological Agency 1-3-4 Otemachi Chiyoda-ku Tokyo Japan Tel.:-11493 E-mail: yoshimatsu@met.kishou.go.jp

#### JORDAN

Faraj ALTALIB Ministry of Environment King Faisal Street, Building 82, 11941 Um Uthaina Amman Jordan Tel.:+96265560113 E-mail: altalibfaraj@yahoo.com

#### **KENYA**

Mary N. KILAVI Kenya Meteorological Service Box 30259-00100 Nairobi Kenya Tel.:+254203867880 E-mail: marykilavi@yahoo.com

Samwel Omwoyo MARIGI Kenya Meteorological Department P.O.Box 30259 -00100 Nairobi Kenya Tel.:+254 20 3876957 E-mail: drmarigi\_samwel@yahoo.co.uk

Hussein MUHAMD Ministry of Foreign Affairs P.O. Box 41395-00100/67830-00200 Nairobi Kenya Tel.:+254 20 8079149 E-mail: mail@kmunon.go.ke

Charles MUTAI Climate Change Secretariat, Ministry of Environment and Natural Resources Kenya/ Climate Change Secretariat Box 30259-00100 Nairobi Kenya Tel.:+ 254203867880 E-mail: drcmutai@gmail.com

Patricia A. NYINGURO Kenya Meteorological Service Box 30259-00100 Nairobi Kenya Tel.:+ 254203867880 E-mail: pnyinguro@gmail.com

Peter A. OMENY Kenya Meteorological Service Kenya Climate Change Secretariat Box 30259 -00100 Nairobi Kenya Tel.:+254 20 3876957 E-mail: pomeny@gmail.com

Onesmus RUIRIE Kenya Meteorological Department Box 30259-00100 Nairobi Kenya Tel.:+254203867880 E-mail: ruirie@yahoo.com

Ann WANJOHI Ministry of Foreign Affairs P.O. Box 41395-00100/67830-00200 Nairobi Kenya Tel.:+254 208079149 E-mail: mail@kmunon.go.ke

Daniel WEPUKHULU Kenya Meteorological Service Box 30259-00100 Nairobi Kenya Tel.:+254203867880 E-mail: dnlwepukhulu@yahoo.com

#### LAO PEOPLE'S DEMOCRATIC REPUBLIC

Chanthy INTRAVONG Ministry of Natural Resources and Environment Ba: Sisavath, Chanthabuly Districk Vientiane Lao People's Democratic Republic Tel.:+'85621255210 E-mail: intravong@gmail.com

#### LUXEMBOURG

Andrew FERRONE Luxembourg Institute of Science and Technology (LIST) 41, rue du Brill L-4422 Belvaux Luxembourg Tel.:+352 275 888 75 051 E-mail: andrew.ferrone@list.lu

#### MADAGASCAR

Nirivololona RAHOLIJAO Meteorological Service P.O. Box 1254 101 Antananarivo Madagascar Tel.:+261 2022 40832 E-mail: Niriraholijao@gmail.com

#### MALAWI

Jolamu NKHOKWE Department of Climate Change Meteorological Services P.O. Box 1808 Blantyre Malawi Tel.:'+2651822014 E-mail: j.nkhokwe@yahoo.com

#### MALAYSIA

Norazeyan DZUL KORNAIN Principal Delegate Environmental Management & Climate Change Division Ministry of Natural Resources and Environment Putrajaya Malaysia Tel.:'+60388861138 E-mail: norazeyan@nre.gov.my

#### MALDIVES

Zammath KHALEEL Ministry of Environment and Energy Ameenee Magu Male Maldives Tel.:'+9607990654 E-mail: zammath.khaleel@environment.gov.mv Abdullahi MAJEED Principal Delegate Ministry of Environment and Energy Ameenee magu Male Maldives Tel.:+960 3081300 E-mail: abdullahi.majeed@environment.gov.mv

Ali SHAREEF Ministry of Environment and Energy Ameenee Magu Male Maldives Tel.:'+9607965626 E-mail: ali.shareef@environment.gov.mv

Birama DIARRA Agence Nationale de la Météorologie Bp 237 Bamako Mali Tel.:+22320206204 E-mail: biramadia@yahoo.fr

# MAURITIUS

Rajan MUNGRA Mauritius Meteorological Services St Paul Road Vacoas Mauritius Tel.:+230 6861031 E-mail: rajanmungra@yahoo.com

#### MEXICO

Maria Amparo ARROYO MARTINEZ National Institute of Ecology and Climate Change Periferico Sur 5000, Col. Insurgentes Cuicuilco, Del. Coyoacan, 04530 Mexico City Mexico Tel.:+52 5554246418 E-mail: iris.jimenez@inecc.gob.mx

#### MONACO

Raphaél CUVELIER Prince Albert II of Monaco Foundation 16 bd de Suisse Monaco Monaco Tel.:+33146341815 E-mail: rcuvelier@fpa2.mc Jonathan RIT Monaco Governement 3, avenue de Fontvieille Monaco Monaco Tel.:+37798984010 E-mail:jrit@gouv.mc

#### MONGOLIA

Batjargal ZAMBA Ministry of Environment, Green Development and Tourism(MEGDT) Sukhbaatar duureg, Juulchnii gudamj 5, Baga toiruu 3, BOMT, Room 203 Ulaanbaatar Mongolia Tel.:+976 77329876 E-mail:zbatjargal@icc.mn

#### MONTENEGRO

Sanja PAVICEVIC Institute of Hydrometeorology and Seismology IV Proleterske 19 Podgorica Montenegro Tel.: +382 20 226 486 E-mail: sanja.pavicevic@meteo.co.me

#### MOZAMBIQUE

Berino Francisco SILINTO Instituto Nacional de Meteorologia Rua de Mukumbura, 164 Maputo Mozambique Tel.:+258 842263890 E-mail: berino\_s@inam.gov.mz

#### NEPAL

Ram Prasad LAMSAL Principal Delegate Ministry of Population and Environment Singhdarbar Kathmandu Nepal Tel.:+4210610 E-mail: rplamsal1@yahoo.com

#### NETHERLANDS

Marcel BERK Ministry of Infrastructure and the Environment Plesmanweg 1 -6 Den Haag Netherlands Tel.:+31 6 5259 5453 E-mail: marcel.berk@minienm.nl

Tom KRAM PBL Postbus 303, (pb 90) 3720 AH Bilthoven Netherlands Tel.:+31(0)30-2743554 E-mail:Tom.Kram@pbl.nl

Rob VAN DORLAND KNMI Utrechtseweg 297, 3731GA De Bilt De Bilt Netherlands Tel.: +31302206775 E-mail: rob.van.dorland@knmi.nl

#### NEW ZEALAND

Helen PLUME Principal Delegate Ministry for the Environment 23 Kate Sheppard Place Wellington 6143 New Zealand Tel.:+64 4 439 7627 E-mail: helen.plume@mfe.govt.nz

Dan ZWARTZ Ministry for the Environment 23 Kate Sheppard Place Wellington 6143 New Zealand Tel.:+64 4 439 7542 E-mail: dan.zwartz@mfe.govt.nz

#### NICARAGUA

Javier GUTIERREZ MARENA Km 12.5 carretera Norte, frente a Zona Franca Managua Nicaragua Tel.:+505 22632870 E-mail: xaviergut@gmail.com

#### NIGERIA

Chukwuemeka OKEBUGWU Department of Climate Change Federal Ministry of Environment Plot 444, Aguiyi Ironsi Way, Green Building,Maitama,Abuja,Nigeria Abuja Nigeria Tel.:+234 8064426144 E-mail: chuksokebugwu@yahoo.com

#### NORWAY

Øyvind CHRISTOPHERSEN Principal Delegate Norwegian Environment Agency Grensesvingen 7 Oslo Norway Tel.:+4797075014 E-mail: oyvind.christophersen@miljodir.no

Maria KVALEVåG Norwegian Environmental Agency Strømsveien 96 0663 Oslo Norway Tel.:'+4799791100 E-mail: maria.kvalevag@miljodir.no

Ole-kristian KVISSEL Norwegian Environment Agency Grensesvingen 7 0663 Oslo Norway Tel.:'+4793431034 E-mail: okk@miljodir.no

Vigdis VESTRENG Norwegian Environment Agency Strømsveien 96 Oslo Norway Tel.:'+4722573427 E-mail: vigdis.vestreng@miljodir.no

#### PAKISTAN

Abdul RASHID Pakistan Metrological Department University Road Karachi Pakistan Tel.: +99261333 E-mail: rashidimg@yahoo.com Muhammad Irfan TARIQ Ministry of Climate Change 3rd Floor LG & RD Complex G-5/2 Islamabad Pakistan Tel.:+9245487 E-mail: mirfantarig@gmail.com

#### PERU

Oscar Carlos ROCA FERRAND Direccion de Medio Ambiente Jiron Lampa 545 Cercado de Lima Peru Tel.:+511 204 4664 E-mail: oroca@rree.gob.pe

#### PHILIPPINES

Frances Veronica VICTORIO Climate Change Commission 2/U Little President Learning Palace, 1558 J.P. Laurel St. Malacanang Complex, San Miguel Manila, 1005 Philippines Tel.:+632 735 3144 E-mail: veronica.victorio@gmail.com

#### PORTUGAL

José Álvaro SILVA Principal Delegate IPMA Rua C do Aeroporto de Lisboa, 1749-077 Lisbon Portugal Tel.:'+351218447000 E-mail: alvaro.silva@ipma.pt

#### **REPUBLIC OF KOREA**

Aram BAEK Korea meteorological Administration 61 yeouidaebang-ro 16-gil, Dongjak-gu Seoul Republic of Korea Tel.:-2502 E-mail: arbaek@korea.kr

Yoojeong CHAE Korea Meteorological Administration 61- Yeouidaebang-ro 16-gil, Dongjak-gu Seoul Republic of Korea Tel.:-2498 E-mail: yoojchae@korea.kr In-seong HAN National Fisheries Research & Development Insitute Gijanghaean-ro 216, Gijang-eup, Gijang-gun, Busan Republic of Korea Tel.: +82-51-720-2231 E-mail: hisjamstec@korea.kr

Daeha KIM

APEC climate Center The Republic of Korea/APEC Climate Center 12 Centum 7-ro Haeundae-gu Busan 612-020 Busan Republic of Korea Tel.: +82-51-745-3983 E-mail: d.kim@apcc21.org

Hoon PARK Principal Delegate Korea Meteorological Administration 62 Yeoeuidaebang-ro 16-gil, Dongjak-gu Seoul Republic of Korea Tel.:+82-2-2181-0392 E-mail: phoon1234@korea.kr

Nana SEO Ministry of Foreign Affairs 60, Sajik-ro 8-gil, Jongno-gu Seoul Republic of Korea Tel.:-9880 E-mail: nanaseo13@mofa.go.kr

Jongsu YIM National Institue of Forest Science 57 Hoegi-ro, Dongdaemun-gu Seoul Republic of Korea Tel.:-3713 E-mail: yimjs@korea.kr

#### **REPUBLIC OF MOLDOVA**

Marina GLIB Climate Change Office, Ministry of Environment #156A, Mitropolit Dosoftei St., Office 37 Chisinau Republic of Moldova Tel.:+373 22 23 22 47 E-mail: scutarumarina@gmail.com

#### **RUSSIAN FEDERATION**

Tatiana DMITRIEVA Federal Service for Hydrometeorology and Environmental Monitoring Novovagan'kovsky Street, 12 Moscow Russian Federation Tel.:+7 499 795 2088 E-mail: dmtanya@mail.ru

Anna GLADILSHCHIKOVA Institute of Global Climate and Ecology Glebovskaya Street, 20B Moscow Russian Federation Tel.:+7 499 748 3914 E-mail: anna.igce@gmail.com

#### SAINT KITTS AND NEVIS

Cheryl JEFFERS Department of Environment St. Kitts and Nevis Cnr Central and New Street Basseterre Saint Kitts and Nevis Tel.: +18694668535 E-mail: jeffers31@gmail.com

#### SAINT LUCIA

Susanna DE BEAUVILLE SCOTT Principal Delegate Sustainable Development & Environment Division, Ministry of Sustainable Development, Energy, Science & Technology Castries Saint Lucia Tel.: +17584518746 E-mail: susannascottpmp@gmail.com

William Leslie HARE Climate Analytics gGmbH Saint Lucia Friedrichstr 231 - Haus B 10969 Berlin Saint Lucia/Germany Tel.:+49 30 259 2295 20 E-mail: bill.hare@climateanalytics.org Carl-friedrich SCHLEUSSNER Climate Analytics gGmbH Saint Lucia Friedrichstraße 231, Haus B 10969 Berlin Saint Lucia/Germany Tel.:+49 30 259 22 95 38 Mail:carl.schleussner@climateanalytics.org

#### SAO TOME AND PRINCIPE

JoãoVicente DOMINGOS VAZ LIMA National Institute Of Meteorology BP 30 Sao Tome Sao Tome Sao Tome and Principe Tel.:'+239 2224840 E-mail: jvicente57@hotmail.com

#### SAUDI ARABIA

Khalid ABULEIF Ministry of Petroleum and Mineral Resources P.O.Box 247 Riyadh Saudi Arabia Tel.:'+966112858886 E-mail: khalid.abuleif@mopm.gov.sa

Jamal Ali Saeed BAMAILEH Meteorology and Environment P.O. Box 1358 Jeddah 21431 Saudi Arabia Tel.:+966 506480456 E-mail: bamaileh@yahoo.com

Alaa JAHDALI Ministry of Petroleum and Mineral Resources P.O. Box. 6360, Code 31311 Dhahran Saudi Arabia Tel.:'+96638758377 E-mail: alaaaljahdali83@gmail.com

George MANFUL Designated National Authority P.O.Box 94293 Riyadh 11693 Riyadh Saudi Arabia Tel.:'+966112819722 E-mail:gmanful@gmail.com Albara TAWFIQ Ministry of Petroleum and Mineral Resources P.O. Box. 6360, Code 31311 Dhahran Saudi Arabia Tel.: +966504996010 E-mail: albara\_tawfig@hotmail.com

#### SENEGAL

Cherif DIOP Principal Delegate ANACIM Aeroport LSSenghor BP 8184 Dakar-Yoff Dakar Senegal Tel.:+221 77 529 5042 E-mail: cherifdiop@yahoo.fr

#### SEYCHELLES

Will AGRICOLE Principal Delegate Ministry of Environment, Energy and Cimate Change Botanical Garden Victoria, Mahe Seychelles Tel.: +2484670500 E-mail: w.agricole@meteo.gov.sc

#### SIERRA LEONE

Alpha BOCKARI Ministry of Transport and Aviation Meteorological Department F18 Charlotte Street Freetown Sierra Leone Tel.:+232 22 226692 E-mail: alpha\_bock@yahoo.com

#### SINGAPORE

Hazri HASSAN Ministry of the Environment and Water Resources 40 Scotts Road, Level 23-00 Singapore Tel.: +6567319484 E-mail: hazri\_hassan@mewr.gov.sg

Vanessa LIM Ministry of the Environment and Water Resourcse 40 Scotts Road, Level 23-00 Singapore Singapore Tel.: +6567319049 E-mail: vanessa\_lim@mewr.gov.sg Melvin LIM Ministry of the Environment and Water Resources 40 Scotts Road, Level 23-00 Singapore Singapore Tel.:+6567319171 E-mail: melvin\_lim@mewr.gov.sg

Muslim Anshari RAHMAN National Climate Change Secretariat 55 Newton Road #13-04/05 Revenue House Singapore 307987 Tel.:+65 6430 0639 E-mail: Muslim\_Anshari\_RAHMAN@nccs.gov.sg

#### SOLOMON ISLANDS

Elisabeth HOLLAND Principal Delegate Ministry of Environment, Climate Change, Disaster Management & Meteorology Honiara Solomon Islands Tel.: +677.88276671 E-mail: elisabeth.holland@usp.ac.fj

#### SOUTH AFRICA

Maesela John KEKAN Principal Delegate Department of Environmental Affairs Private Bax X447 Pretoria South Africa Tel.:'+27123999180 E-mail: mjkekana@environment.gov.za

Rabelani TSHIKALANKE International Climate Change Mitigation Department Of Environmental Affairs, Private Bag X 447 Pretoria 0001 South Africa Tel.: +27123999184 E-mail: rtshikalanke@environment.gov.za

#### SPAIN

Elías GUÍA Ministry of Agriculture, Food and Environment C.B.A. Building 3rd Floor. Mara & Ragati Roads. Upper Hill Nairobi Spain/Kenya Tel.:+254 20 272 0222 E-mail: eguia@magrama.es José Ramón PICATOSTE RUGGERONI Principal Delegate OECC Calle Alcala 92 Madrid Spain Tel.:+34914361542 E-mail: JRPicatoste@magrama.es

#### **SRI LANKA**

Malavige Don DAYANANDA Department of Meteorology 383, Bauddhaloka Mawatha Colombo 7 Sri Lanka Tel.:94 112 68 64 99 E-mail: daya\_md7@hotmail.com

#### SUDAN

Omer Mohamed ELTOM ELSHAMI Higher Council for Environment & Natural Resources P.O. Box: 10488- Khartoum Khartoum Sudan Tel.:+249 183 784279 E-mail: omer\_hesr@yahoo.com

Yasir Abdullahi OSMAN Embassy of the Republic of Sudan P.O. Box 48784-00100 Nairobi Sudan/Kenya E-mail: yasirabdu@hotmail.com

#### SURINAME

Sukarni SALLONS-MITRO Meteorological Service Suriname Magnesium straat no. 41 Paramaribo Suriname Tel.:(+597) 491-143 E-mail: sukarnimitro@yahoo.com

#### SWAZILAND

Eric S. SEYAMA Principal Delegate Swaziland Meteorological Service P.O. Box 2650 Mbabane Swaziland Tel.:+2684046274 E-mail: eseyama@swazimet.gov.sz

#### SWEDEN

Lars BÄRRING Principal Delegate SMHI, Swedish Meteorological and Hydrological Institute Folkborgsvägen 17 Norrköping Sweden Tel.:+46 (0)11 495 8604 E-mail: lars.barring@smhi.se

Lena LINDSTRÖM SMHI, Swedish Meteorological and Hydrological Institute Folkborgsvägen 17 Norrköping Sweden Tel.:+46 (0)11-4958365 E-mail: lena.lindstrom@smhi.se

#### SWITZERLAND

José ROMERO Principal Delegate Federal Office for the Environment (FOEN) Papiermühlestrasse 172 Berne Switzerland Tel.:+41584626862 E-mail: Jose.romero@bafu.admin.ch

# TAJIKISTAN

Nasimjon RAJABOV Principal Delegate State Organization for Hydrometeorology Committee for Environmental Protection Tajikistan 47 Shevchenko Street Dushanbe Tajikistan Tel.:'+992938991001 E-mail: nasim.rajabov@gmail.com

# THE FORMER YUGOSLAV REPUBLIC OF MACEDONIA

Natasa MARKOVSKA Macedonian Acdademy of Sciences and Arts Krste Misirkov 2, P.O.Box 428 Skopje The former Yugoslav Republic of Macedonia Tel.:+389 2 32 35 427 E-mail: natasa@manu.edu.mk

### TOGO

Abalo AFFO-DOGO Principal Delegate Direction Météorologie Nationale (DGMN) DGMN BP 1505 Lomé Togo Tel.:+228 22 19 80 22 E-mail: affodogoabalo@yahoo.fr

#### TURKEY

Serhat SENSOY Ministry of Forestry and Water Works Meteoroloji Genel Müdürlüğü cad. No: 4 Kalaba Ankara Turkey Tel.:'+903123022456 E-mail: ssensoy@mgm.gov.tr

#### UGANDA

James MAGEZI-AKIIKI Principal Delegate Uganda national Meteorological Authority P.O. Box 7025 Kampala Uganda Tel.:+256 414 259455 E-mail: mageziakiikibj@yahoo.co.uk

# UNITED KINGDOM OF GREAT BRITAIN AND NORTHERN IRELAND

Ailsa BENTON Department of Energy and Climate Change Area 3B/C, 3 Whitehall Place London, SW1A 2AW United Kingdom of Great Britain and Northern Ireland Tel.:+44300 068 2979 E-mail: ailsa.stroud@decc.gsi.gov.uk

Sarah HONOUR Principal Delegate DECC United Kingdonm 3-8 Whitehall Place London United Kingdom of Great Britain and Northern Ireland Tel.:'443000688134 E-mail: sarah.honour@decc.gsi.gov.uk Cathy JOHNSON 26 South View Road Marlowe SI73jp United Kingdom of Great Britain and Northern Ireland Tel.:+44 1628 483940 E-mail: Cathy.Johnson@decc.gsi.gov.uk

#### UKRAINE

Svitlana KRAKOVSKA Principal Delegate Ukrainian Hydrometeorological Institute '03028 Prospekt Nauki, 37 Kyiv Ukraine Tel.:'+380445258630 E-mail: Krasvit@ua.fm

#### UNITED STATES OF AMERICA

David DOKKEN U.S. Global Change Research Program 1800 G St NW, Suite 9100 Washington United States of America Tel.: +1-202-419-3473 E-mail: ddokken@usgcrp.gov

David REIDMILLER Department of State / 2201 C St NW OES/EGC, Suite 2480 Washington United States of America Tel.:+1 202 647 3961 E-mail: reidmillerdr@state.gov

Emily SEEN U.S. Department of State 2201 C St NW, S/SECC, Suite 1427 Washington, DC United States of America Tel.:+10666 E-mail: SeenEJ@state.gov

Trigg TALLEY Principal Delegate U.S. Department of State, OES/EGC 2201 C St NW, Suite 2480 Washington United States of America Tel.:+1 202 647 3984 E-mail: talleyt@state.gov

#### VENEZUELA, BOLIVARIAN REPUBLIC OF

Isabel Teresa DI CARLO QUERO Principal Delegate Embassy of the Bolivarian Republic of Venezuela in Germany, Ministry of People's Power for Foreign Affairs Venezuela, Bolivarian Republic of Berlin Tel.: +493083224083 E-mail: isabel.dicarlo@gmail.com

#### VIETNAM

Huynh Thi Lan HUONG Vietnam Institute of Meteorology, Hydrology and Climate Change 23/62, Nguyen Chi Thanh, Dong Da Hanoi Vietnam Tel.:+84 4 3 7731513 E-mail: huynhlanhuong@gmail.com

#### ZAMBIA

Mfumu Richard LUNGU Principal Delegate Ministry of Lands, Natural Resources and Environmental Protection P.O BOX 50694, Mulungushi House Lusaka Zambia Tel.:+260 211 252589 E-mail: mfumurichard@yahoo.co.uk

#### ZIMBABWE

Elisha MOYO Principal Delegate Climate Change Management Department Ministry of Environment, Water and Climate, 11th Floor, Kaguvi Building, Corner 4th Street/Central Avenue Harare Zimbabwe Tel.:'+2634701681 E-mail: enmoyo@gmail.com

#### OBSERVERS

# CONVENTION ON BIOLOGICAL DIVERSITY (CBD)

Sakhile KOKETSO Convention on Biological Diversity (CBD) 413 St. Jacques Street Suite 800 Montreal Canada Tel.:'+15142876696 E-mail: sakhile.koketso@cbd.int

#### **EUROPEAN UNION (EU)**

Miles PERRY European Union (EU) Avenue de Beaulieu 24 Brussels Belgium Tel.: +3222964483 E-mail: miles.perry@ec.europa.eu

Andrea TILCHE European Union (EU) Rue du Champ de Mars, 21 Brussels Belgium Tel.:+32 229 96342 E-mail: andrea.tilche@ec.europa.eu

# FOOD AGRICULTURE ORGANIZATION (FAO)

Aziz ELBEHRI Food Agriculture Organization (FAO) Viale delle Terme di Caracalla '00153 Rome Italy Tel.: +390657051 E-mail: Aziz.Elbehri@fao.org

#### **GERMANWATCH (Germany)**

Manfred TREBER GERMANWATCH (Germany) Kaiserstr. 201 Bonn Germany Tel.:+4922860492-14 E-mail: treber@germanwatch.org

# GLOBAL CLIMATE OBSERVING SYSTEM (GCOS)

Simon EGGLESTON Global Climate Observing System (GCOS) Avenue de la Paix, 7 bis Genève Switzerland Tel.: +41227308272 E-mail: seggleston@wmo.int

#### GLOBAL CARBON CAPTURE AND STORAGE (CCS) INSTITUTE

Mark BONNER Global CCS Institute Level 6, 707 Collins Street Melbourne Australia Tel.:+ 61(0)439343117 E-Mail: mark.bonner@globalccsinstitute.com

#### INTERNATIONAL ATOMIC ENERGY AGENCY (IAEA)

David SHROPSHIRE IAEA Vienna International Centre PO Box 100, 1400 Vienna Austria Tel.:+ 43 (1) 2600 22776 E-mail: D.Shropshire@iaea.org

#### INTERNATIONAL COUNCIL FOR LOCAL ENVIRONMENTAL INITIATIVES (ICLEI)

Emmanuelle PINAULT C40 Cities North West Entrance, City-Gate House 39-45 Finsbury Square, Level 7 London United Kingdom of Great Britain and Northern Ireland Tel.:+44 (0) 7903222138 E-mail: epinault@c40.org

Yunus ARIKAN ICLEI - Local Governments for Sustainability Kaiser-Friedrich-Str. 7 Bonn Germany Tel.: +4922892976200 E-mail: yunus.arikan@iclei.org

#### ORGANIZATION OF PETROLEUM EXPORTING COUNTRIES (OPEC)

Eleni KADITI Organization of Petroleum Exporting Countries (OPEC) Helferstorferstrasse 17, A-1010 Vienna Austria Tel.: +431211122204 E-mail: ekaditi@opec.org

#### UNITED NATIONS ECOMONIC COMMISSION FOR AFRICA (UNECA)

Johnson NKEM United Nations Ecomonic Commission for Africa (UNECA) Nairobi Kenya Tel.:+251 115 443976 E-mail: JNkem@uneca.org

#### UNITED NATIONS CONVENTION TO COMBAT DESERTIFICATION (UNCCD)

Alexander ERLEWEIN UNCCD PO Box 260129 53153 Bonn Germany Tel.:+49 228815 2800 E-mail: secretariat@unccd.int

#### UNITED NATIONS EDUCATIONAL, SCIENTIFIC AND CULTURAL ORGANIZATION (UNESCO)

Mika ODIDO UNESCO-IOC P.O.Box 30592 Nairobi Kenya Tel.:+254 20 7621244 E-mail: m.odido@unesco.org

#### UNITED NATIONS FRAMEWORK CONVENTION ON CLIMATE CHANGE (UNFCCC)

Iulian Florin VLADU UNFCCC Steubenring 9 Bonn Germany Tel.:+49 228 815 1422 E-mail: fvladu@unfccc.int

# WORLD METEOROLOGICAL ORGANIZATION

David CARLSON WMO 7bis Av. de la Paix Geneva Switzerland Tel.:+4122 7308246 E-mail: dcarlson@wmo.int

# TECHNICAL SUPPORT UNITS AND TAKS GROUPS

Anna PIRANI Head, Working Group I Technical Support Unit FCS Campus Paris-Saclay, Immeuble Discovery, Route de l'Orme des Merisiers Saint Aubin France Tel.:+33 (0)1 69 33 7799 E-mail: anna.pirani@universite-paris-saclay.fr

Wilfran MOUFOUMA-OKIA IPCC WGI TSU Université Paris Saclay, FCS Campus Paris-Saclay Immeuble Discovery, Route de l'Orme des Merisiers Saint Aubin France Tel.:+33 (0)1 69 33 77 23 E-mail: wilfranmo@gmail.com

Clotilde PEAN IPCC WGI TSU Université Paris Saclay, FCS Campus Paris-Saclay, Immeuble Discovery, Route de l'Orme des Merisiers Saint Aubin France Tel.:+33 (0)1 69 33 77 23 E-mail: clotilde.pean@universite-paris-saclay.fr

Melinda TIGNOR Head, IPCC WGII TSU Alfred-Wegener-Institute Markstrasse 3 28195 Bremen Germany Tel.:+49 471 4831 2012 E-mail: melinda.tignor@ipcc-wg2.awi.de

Pavel SHERMANAU TFI TSU C/o Institute for Global Environmental Strategies (IGES) 2108-11 Kamiyamaguchi Hayama, 240-0115 Japan Tel.:+81 46 855 3759 E-mail: shermanau@iges.or.jp Timothy CARTER TGICA Finnish Environment Institute (SYKE) Mechelininkatu 34a Helsinki Finland Tel.:'+358407405403 E-mail: tim.carter@ymparisto.fi

Bruce HEWITSON TGICA University of Cape Town Private Bag X3 Rondebosch South Africa Tel.:+27 21 650 2784 E-mail: Bruce.Hewitson@uct.ac.za

#### **IPCC SECRETARIAT**

Mannava SIVAKUMAR Acting Secretary of the IPCC 7bis Avenue de la Paix 1211 Geneva Switzerland Tel.:+(4122) 730 8574 E-mail: msivakumar@wmo.int

Carlos MARTIN-NOVELLA Deputy Secretary of the IPCC 7bis Av. de la Paix 1211 Geneva Switzerland Tel.:+'41227308247 E-mail: cmartin-novella@wmo.int

Jesbin BAIDYA 7bis Avenue de la Paix 1211 Geneva Switzerland Tel.:+4122 730 8516 E-mail: jbaidya@wmo.int

Laura BIAGIONI 7bis Av. de la Paix 1211 Geneva Switzerland Tel.:+4122 730 8522 E-mail: Ibiagioni@wmo.int

Annie COURTIN 7bis Av. de la Paix 12 Geneva Switzerland Tel.:+4122 730 8284 E-mail: acourtin@wmo.int Judith EWA 7bis Avenue de la Paix 1211 Geneva Switzerland Tel.:+4122 730 8087 E-mail: jewa@wmo.int

Oksana EKZARKHO 7bis Avenue de la Paix Geneva Switzerland Tel.:+(4122) 730 8208 E-mail: oekzarkho@wmo.int

Joelle FERNANDEZ 7bis Av. de la Paix 1211 Geneva Switzerland Tel.:+4122 730 8254 E-mail: jfernandez@wmo.int

Jin Mi KIM Korea University IPCC 16-gil 61 Yeouidaebangro, Dongjak-gu Seoul Republic of Korea Tel.:+82 2 835 1363 E-mail: solmy1023@gmail.com

Jonathan LYNN 7bis Avenue de la Paix 1211 Geneva Switzerland Tel.:+4122 730 8066 E-mail: jlynn@wmo.int

Sophie SCHLINGEMANN 7bis Av. de la Paix 1211 Geneva Switzerland Tel.:+4122 730 8533 E-mail: sschlingemann@wmo.int

Mxolisi E SHONGWE 7bis Av. de la Paix 1211 Geneva Switzerland Tel.:+4122 730 8438 E-mail: mshongwe@wmo.int

Werani ZABULA 7bis Av. de la Paix 1211 Geneva Switzerland Tel.:+4122 730 8120 E-mail: wzabula@wmo.int

#### **CONFERENCE OFFICER**

Elhousseine GOUAINI WMO 7bis Avenue de la Paix Geneva Switzerland Tel.:+4122 7308060 E-mail: egouaini@wmo.int

#### ENB

Maria GUTIERREZ IISD (ENB) 40 Barrow street New York United States of America Tel.:+7 985 480 6715 E-mail: maria@iisd.org

Anna SCHULZ IISD (ENB) 300 East 56th Street, Apt 11D New York United States of America Tel.:+1 973 273 5860 E-mail: anna@iisd.org

Virginia WISEMAN IISD (ENB) 300 East 56th Street, Apt 11 D New York United States of America Tel.:+1 973 273 5860 E-mail: virginia@iisd.org

Kiara WORTH IISD (ENB) 300 East 56th Street Apt 11D New York United States of America Tel.:+1 973 273 5860 E-mail: kiara@iisd.org