

REPORT OF THE FORTY-SEVENTH SESSION OF THE IPCC

Paris, France, 13 – 16 March 2018

1. OPENING OF THE SESSION

The Chair of the IPCC introduced the provisional agenda as contained in document [IPCC XLVII/Doc.1](#).

Mr Hoesung Lee, Chair of the Intergovernmental Panel on Climate Change (IPCC), called the 47th Session of the IPCC (IPCC-47) to order on Tuesday 13 March 2018 at 10 a.m. at the United Nations Educational, Scientific and Cultural Organization (UNESCO) headquarters in Paris. He welcomed participants and expressed gratitude to the Government of France for hosting the meeting. In his opening statement, the Chair thanked the Working Group Bureaux and Technical Support Units for their efforts in developing the lists of authors for the Sixth Assessment Report (AR6), commending the high quality of expertise and welcoming the improvements in the number of developing country authors as well as gender balance. The Chair noted that 2018 marked the 30th anniversary of the IPCC; both the year and the AR6 cycle as a whole are characterized by unprecedented ambition with the release of eight reports over five years. This shows that IPCC will continue to be the voice of climate science, contributing to evidence-based policymaking. The IPCC is reinventing itself with this challenging body of work, e.g. with greater representation of authors from the social sciences, and through increasingly cross-cutting and cross-disciplinary approaches to its assessments. The previous week's CitiesIPCC conference in Edmonton, Canada, reflected the IPCC's particular focus on cities in this cycle, and the growing role of non-state actors in addressing climate change. The Chair concluded by wishing all participants a productive meeting and declared the 47th Session of the IPCC open.

Ms Audrey Azoulay, Director-General of UNESCO, welcomed the IPCC delegates. She recalled the responsibility of UNESCO to work on strengthening cooperation and global citizenship, based on the belief that all human activities are intertwined. No problem can be solved without acting in related fields such as education. No single country can tackle the challenges alone. The fight against climate change requires a holistic approach. She described how UNESCO's programmes inform the public about climate change, which poses a threat to cultural heritage. She recalled UNESCO's work with media to strengthen their coverage of climate change; and with member states to develop educational policies taking environmental questions into account.

Mr Petteri Taalas, Secretary-General of the World Meteorological Organization (WMO), congratulated the meeting for celebrating the world's greatest achievement in communicating science - the IPCC. The global community has been able to adopt the Paris Agreement in large part thanks to the solid scientific findings of the IPCC. He underscored the commitment of the IPCC's parent bodies WMO and UN Environment Programme (UN Environment). He highlighted the role of national meteorological and hydrological services in understanding climate change. He noted with concern that action to implement the Paris Agreement was not on course to hit the 1.5-2.0°C targets. It was important for the IPCC to continue presenting its messages to decision-makers especially in the context of the forthcoming Special Report on Global Warming of 1.5°C. He expressed hope that in 30 years it will be possible to celebrate the IPCC's 60th anniversary by looking back on the successful implementation of the Paris Agreement.

Ms Anne Le More, Chief of Staff, delivered a statement on behalf of Erik Solheim, Executive Director of UN Environment. She praised the IPCC for delivering robust, independent evidence that shapes policy and action. Its work underpinned a global agreement on climate change that was unimaginable 30 years ago. Its credibility resonates as much with individual citizens as it does with political leaders. The findings of the incredible men and women behind the work of the Panel are crucial for the UN to unite governments and the private sector around policies and measures shifting the world towards sustainable progress. There is no doubt that looking back 30 years, the IPCC has done a lot, and looking ahead, there is more to do as the world prepares for the implementation of the Paris Agreement, striving to help cut the dangerous gap between the Paris targets and actual emission reductions.

Ms Patricia Espinosa, Executive Secretary, United Nations Framework Convention on Climate Change (UNFCCC), said everyone who has contributed to the work of the IPCC in the past three decades deserves to be recognized. She recalled that the IPCC First Assessment Report in 1990 was integral to the agreement of the Framework Convention on Climate Change. Since then all achievements by Parties to the Convention have been directly informed by the IPCC. The forthcoming Special Report on Global Warming of 1.5 °C cannot come at a better time as governments will finalize the operating manual under the Paris Agreement Work Programme and hold the 2018 Talanoa Dialogue. IPCC science will be instrumental to raise ambition in the next round of nationally determined contributions and will give stakeholders an evidence-based path forward. She added that the work of the IPCC is vital to achieving success for the Paris Agreement and the Sustainable Development Agenda.

Ms Frédérique Vidal, Minister of Higher Education, Research and Innovation of France, recalled that the IPCC was awarded the Nobel Peace Prize and is globally recognized as a model of an intergovernmental body of experts. The IPCC enables a large number of people to understand complex issues and spurs political action. The IPCC presents the state of knowledge on the climate, taking into account the diversity of countries and highlights areas of uncertainty showcasing where future research should be focused. With this set of values and pursuing gender balance and an inter-disciplinary approach, the IPCC has embarked on the production of the AR6. She concluded by saying that international cooperation is the way forward.

Mr Jean-Yves Le Drian, Minister for Europe and Foreign Affairs, said the IPCC has become the scientific and intellectual conscience of political commitment to combat the threat of climate change. He recalled that the President of France, Mr Macron, had reminded the world on several occasions that climate change is the most crucial challenge we face. The 30th anniversary of the IPCC is an occasion to recall that science represents one of the most powerful drivers to accomplish transformation. Only thanks to science has the world learned that climate change is of anthropogenic origin and that action is cheaper in the long run than inaction. He recalled that President Macron had promised that the IPCC would not lack a penny to continue its work. He said that France will provide € 1 million per year to the IPCC trust fund until the publication of the AR6 in 2022, in addition to its support for the Working Group I Technical Support Unit. He called on all countries to maintain, initiate or increase their support to the IPCC. Mr Le Drian thanked all for their presence and shared commitment.

2. APPROVAL OF THE DRAFT REPORT OF THE 46TH SESSION OF THE IPCC

The draft report of the 46th Session of the IPCC as contained in document [IPCC-XLVII/Doc.5, Rev.1](#) was presented and approved without changes.

3. IPCC TRUST FUND PROGRAMME AND BUDGET

3.1 Budget for the years 2018, 2019, 2020 and 2021

In introducing the item, document [IPCC-XLVII/Doc. 2, Rev. 1](#) on the IPCC Trust Fund Programme and Budget Ms Kerstin Stendahl, Deputy Secretary of the IPCC, informed the meeting that the document had been revised based on comments received from members. She said that in preparing the budget, savings and cost cutting measures had been considered. She thanked countries that have hosted or have offered to host meetings and noted cost-saving efforts in the Secretariat as regards travel. The panel was asked to discuss and approve the revised budget for 2018 and the proposed budget for 2019 and to note the indicative budgets for 2020 and 2021.

The Chair established the Financial Task Team (FiTT) to address this item and asked that it report back to the Panel on 16 March 2017 in the afternoon. The FiTT is open-ended with a core membership of Germany, Pakistan, Saudi Arabia and the United States of America and it is co-chaired by Amjad Abdulla (Maldives) and Helen Plume (New Zealand). The FiTT held a pre-briefing and met four times.

Ms Helen Plume, Co-Chair of the FiTT presented the recommendations of the FiTT to the Plenary on 16 March 2018 in the afternoon. The IPCC approved the budget for 2018 and 2019 and noted the indicative budgets for 2020 and 2021 and adopted Decision IPCC-XLVII-2 on the IPCC Trust Fund Programme and Budget contained in Annex 1.

3.2 Resource mobilization

In introducing the item, Mr Abdalah Mokssit, Secretary of the IPCC presented document [IPCC-XLVII/INF. 8](#). He thanked all the countries who have made contributions to the IPCC Trust Fund as well as those who made in-kind contributions. He gave a summary of the fund-raising efforts during the 23rd Conference of Parties of the United Nations Framework Convention on Climate Change.

He highlighted the savings that had been made, including during recent meetings. He noted the recent increase in contributions and said that although there was no immediate financial concern for the IPCC, there is still a need to ensure that IPCC is financially sustainable in the medium to long term.

The European Union (EU), Norway, France, Luxemburg, Japan, Morocco, Republic of Korea and China took the floor. They thanked the Secretary for the presentation and also all those countries who have contributed to the trust fund. All the members that spoke noted with satisfaction the improved financial situation for the short term and agreed with the Secretary that sustainability of the financial situation is needed for the medium to long-term. The EU specified that in the next three years its contribution is expected to increase from 4 million to 5 million in 2019 and the total contribution in three years will be 7.9 million Euros. This would be in grants with various durations and the average contribution should remain around 2.5 million Euros per year. The representative of the EU requested that the full list of EU member countries be shown in the contributions list.

Norway indicated that their contribution for 2018 of 900,000 CHF had been paid. France clarified that part of their contribution for 2018 will go towards the cost of hosting the 47th Session of the IPCC, therefore about 700 000 Euros will be transferred to the Secretariat for this year and thereafter France will contribute 1 million Euros per year for the remaining part of the AR6 cycle. Luxemburg informed the meeting that they will transfer their pledge of 15,000 CHF for 2017 and will be contributing the same amount for 2018 which will be transferred as soon as possible.

Japan informed the Plenary that it will continue to host the Technical Support Unit of the Task Force on National Greenhouse Gas Inventories and that they are considering increasing their contribution to the IPCC Trust Fund by 50%. Japan also emphasized the importance of efficient use of the budget. Morocco informed the Plenary that they made a first time contribution of 15,000 CHF and have committed the same amount for every year throughout the AR6 cycle. The Republic of Korea informed the Plenary that they will host the 48th Session of the IPCC and will contribute to the establishment of the AR6 Synthesis Report. China informed the Plenary that they will host two Lead Author Meetings, one for the Working Group I contribution for AR6 and another for the Special Report on the Ocean and Cryosphere in a Changing Climate.

The Chair thanked all the countries who have made contributions and increased their contributions, as well as first time contributors and those who have contributed in kind.

The Panel took note of the document.

4. AD HOC TASK GROUP ON FINANCIAL STABILITY

The Chair of the IPCC opened the Agenda Item 4, document [IPCC-XLVII/Doc. 10, Rev.1](#) on the Ad Hoc Task Group on Financial Stability of IPCC (ATG-Finance) and asked the Co-Chairs of the Task Group to introduce the item.

In introducing the item, Ms Thelma Krug, IPCC Vice Chair and Co-Chair of the ATG-Finance provided information on recent consultations with IPCC member governments on fundraising options as well on contacts with the Office UN Secretary General, WMO and UN Environment. As mandated by the Panel, they also explored the potential of IPCC receiving support from the Global Environment Facility (GEF) and Green Climate Fund (GCF) and have been advised by members of the group to explore a high level meeting with the Co-Chairs of GEF and GCF.

Mr Youba Sokona, IPCC Vice-Chair and Co-Chair of ATG-Finance noted that because of the low response rate for the questionnaire sent out to members it had not been possible to present the Plenary with conclusive results at this session. He noted that ATG-Finance had held a face-to-face meeting during IPCC-47 and as a follow-up would prepare a work plan identifying the short, medium and long term goals and collect further information on the options in order to come up with recommendations for the Panel, including identifying the barriers for contributing to the IPCC. He noted the distinction between the short-term budgetary problems of the IPCC and need to ensure financial sustainability in the long-term.

The Chair noted the need for the ATG-Finance to continue its work and asked that the Panel extend the mandate of the ATG-Finance.

Belgium, Germany, Hungary, Japan, Norway, Saudi Arabia, Sweden, Switzerland, United Kingdom, Working Group III Vice-Chair Amjad Abdalah and Working Group I Vice-Chair Edvin Aldrian took the floor. They thanked the Co-Chairs for their report and expressed satisfaction that the short term financial crisis has been averted. They were generally supportive of extending the work of the ATG-Finance to address IPCC's financial sustainability. Many expressed agreement with the three fund-raising priorities identified in response to the questionnaire: (1) increasing voluntary contributions from Member Governments; 2) contributions from UN entities and international financial institutions; and 3) voluntary and assessed contributions in the UN system and contributions from scientific, research and philanthropic institutions) and agreed that the group needed to continue its work on this basis. Some delegations signaled that there was a need to correct the way their responses were reflected in the table indicating ratings among the fund-raising options. Many that spoke supported the extension of the mandate until the 49th Session of the IPCC. They supported the list of priorities and having back to back meetings during plenaries. Submissions from the countries were requested to be put on Papersmart so that they are accessible to everyone. Several delegations expressed concern over the low level of replies

on this important topic, and one noted the correlation of responses with contributing countries. Several delegations noted that more work needs to be done with UN agencies and recommended raising the communication with GCF and GEF to include the IPCC Chair, Co-Chairs of the GCF and GEF and perhaps the UN Secretary General. One delegation noted that they were not in favor of assessed contributions, in light of previous experiences in other fora. They recommend maintain voluntary contributions from governments but in a certain framework. A suggestion was made for the Secretariat to send individual letters on contributions to each Focal Point indicating that the country could refer to the UN assessed scale when considering their contribution. Many cautioned against contributions from private entities. Some noted the need to explore an option between voluntary and mandatory contributions.

Several delegations underscored the need to broaden the contribution base and in order to do this, it was essential to understand barriers to doing so. One delegation encouraged building on the relationship with WMO resource mobilization to further learn and use their expertise to reach out to governments who have not contributed.

In responding, the Co-Chairs of ATG-Finance that it would be useful for another questionnaire with more in-depth questions that would help in understanding the barriers that governments face and that the Task Group would also continue to explore experiences from other UN organizations on dealing with similar challenge. Youba Sokona encouraged delegations to share further ideas with the Secretariat.

The Panel decided to extend the mandate of the Ad-Hoc Task Group on Finance until the 48th Session of the IPCC.

5. IPCC SCHOLARSHIP PROGRAMME

Ms Ko Barrett, IPCC Vice-Chair and Chair of the IPCC Scholarship Programme Science Board introduced document [IPCC-XLVII/Doc. 6](#). She thanked the funding partners who have continued to support the IPCC Scholarship Programme and said that in the current fourth cycle of awards (2017-2019), seven scholarships were awarded through funding provided by the Prince Albert II of Monaco Foundation. Six candidates were selected to be funded by the Cuomo Foundation. Certain challenges were encountered when vetting the submissions made by three of the Cuomo Foundation candidates. Ms Barrett and the Secretary of the IPCC engaged the Cuomo Foundation to discuss challenges related to the three candidates and other issues encountered in the implementation of the Scholarship Programme. The Panel was invited to provide guidance on better ways to achieve the goal of supporting young scientists from developing countries and bringing them into the IPCC process.

During the ensuing discussion, the following delegations took the floor; Australia, Canada, Chad, China, Ecuador, Germany, India, Mali, Norway, Republic of Tanzania, South Africa, Trinidad and Tobago, United Kingdom, Zambia and Zimbabwe.

The Science Board was requested to provide the legal instruments and decisions which established the Scholarship Programme to help delegates in assessing the governance structure to provide a basis for strengthening its administration. Delegates observed that the objectives for establishing the programme by the IPCC to develop scientific capacity in developing countries and Small Islands Developing States remain valid, emphasized the need for strengthening the programme, and supported the continuation of funding to support fundamental research through PhD fellowships. It was suggested that measurable outcomes and benefits for the programme should be presented to the Panel. Other suggestions made by delegates included: exploring the possibility to fund short-term visits to IPCC TSUs to increase the exposure of early career scientists and to strengthen internal networking within the IPCC; introducing online training programmes to build capacity in IPCC processes; developing partnerships with academic institutions or academies of science to help identify potential beneficiaries to be co-sponsored; establishing networks of IPCC scholarship recipients to provide peer support and to integrate them into the work of the IPCC; extending the duration

of the award cycle from two years to three years; supporting Masters candidates; soliciting additional administrative support externally; further discussing in subsequent meetings, the involvement and role of Chapter Scientists in the IPCC process and budget implications.

IPCC Bureau Members who made interventions included: Edvin Aldrian, Andreas Fischlin, Gregory Flato, Valérie Masson-Delmotte, Hans-Otto Pörtner, Jim Skea and Carolina Vera.

Suggestions were made to use the Scholarship Fund to support Chapter Scientists to work with Lead Authors in the preparation of the AR6. The TSUs would help with the selection of Chapter Scientists and related administrative issues. Working Group III experience in selecting and supporting Chapter Scientists could be used as a starting point to engage them in the process. It was noted that IPCC procedures are silent with respect to the role of Chapter Scientists in the preparation of assessment reports. A publication by some Fifth Assessment Report (AR5) Chapter Scientist which discusses their experiences, lessons learnt and recommendations is available for reference¹. A concern was raised that, currently, the review process for scholarship applications is disconnected from the processes in the academic institutions hosting the applicants and that there is insufficient follow up of the outcome of the PhD training. A suggestion was made to present success stories of previous scholarship recipients, to possibly include a criterion in the selection of IPCC authors which would allow for their identification and to include them as potential candidates of the WMO Research Award for Young Scientists.

Ms Barrett proposed that the Panel adopt a decision to support Chapter Scientists from developing countries from the IPCC Scholarship Fund in the near term, while exploring ways to strengthen the programme in the long term.

Government delegates who commented on Ms Barrett's proposal were: New Zealand, Switzerland and Zimbabwe.

The Science Board was requested to provide a document to the Panel detailing the proposal and financial implications for funding Chapter Scientists. Concerns were raised to the effect that the Panel was not yet at a point to make the decision owing to several unresolved issues such as the burden which supporting Chapter Scientists will place on the Scholarship Fund, whether the Fund is sufficient to support all the Chapter Scientists, the manner in which the distribution of funds between Chapter Scientists and PhD scholarships will be maintained. A suggestion was made to solicit external funding to support the involvement of Chapter Scientists in order to sustain the Scholarship Programme, which supports PhD candidates whose research attempts to fill existing scientific knowledge gaps in developing countries.

IPCC Bureau Members who responded to the proposal made by Ms Barrett include: Valérie Masson-Delmotte, Hans-Otto Pörtner, Jim Skea and Pius Yanda.

Bureau members emphasized the urgency of the Panel's approval for funding to support Chapter Scientists noting that deferring the decision to a later IPCC session would be late for the work under the AR6 cycle. The FITT was requested to develop a budget for the support of Chapter Scientists. Developed countries who host Coordinating Lead Authors contributing to AR6 were encouraged to provide funding to support the involvement of Chapter Scientists. Working Group III Co-Chair offered to provide information which would be helpful in constructing a budget for the support of Chapter Scientists.

TGICA Co-Chair Timothy Carter mentioned the opportunity of involving early career scientists in the work undertaken by the IPCC Data Distribution Centres (DDCs) to enable them learn about the types of data and scenario information used in the IPCC assessment process. This would support the DDC in their work such as the preparation of various data and scenario materials, archiving, distribution and outreach, and developing and maintaining DDC webpages.

¹ <https://doi.org/10.1016/j.cosust.2015.06.012>

Ms Barrett acknowledged that she did not have answers to the questions raised by Panel members and did not expect that establishing a Contact Group would resolve the concerns. She added that current and other potential funding partners had not been consulted to find out their willingness to support Chapter Scientists. However, she noted that because of the timing, it would be crucial that the Panel agrees in principle that the Scholarship Fund could be used to support the involvement of Chapter Scientists on condition that a comprehensive proposal detailing the specifics will be presented at the 48th Session of the IPCC. She further mentioned that a decision at the 47th Session would enable the Science Board to reach out to the partner organization and other potential donors to solicit additional support for the Scholarship Programme.

Ms Barrett requested to consult Working Group Co-Chairs and interested government delegates and submit a proposal to the Panel.

Following the informal consultative meeting, Ms Barrett presented the draft decision for the Panel's adoption. She highlighted that while embracing the idea of supporting developing country Chapter Scientists, the Scholarship Programme will continue to support PhD students in developing countries. The support for Chapter Scientists of about CHF15,000 per person, per year, would involve funding their travel to three Lead Author Meetings and provide an honorarium up to CHF 10,000. This would support about 10 to 15 developing country Chapter Scientists. The Science Board committed to fundraise around this concrete idea to ensure its success.

Member countries which commented on the draft decision text were: Bolivia, Botswana, Chad, Comoros, Costa Rica, Cuba, Germany, Malawi, Saint Kitts and Nevis, Tanzania, Trinidad and Tobago, Venezuela, Zambia and Zimbabwe.

Delegates emphasized the need to mobilize additional resources from external sources in order to sustain and strengthen the programme and requested that the Science Board takes concrete actions to achieve this. It was suggested that Small Island Developing States (SIDS) should be included in the decision text. A request was made to provide Panel members with the role and functions of Chapter Scientists.

Bureau Members who made comments to the draft decision text include: Thelma Krug, Pius Yanda, Noureddine Yassaa, Taha Zatari.

A proposal was made to explicitly mention early career scientists in the draft decision. A suggestion was made to explore ways to invite academic IPCC Observer Organizations to support the programme. It was suggested that IPCC Focal Points should be involved in the selection of Chapter Scientists to ensure transparency.

The draft decision text was revised and subsequently, Decision IPCC-XLVII-6, was adopted by the Panel.

6. PROGRESS REPORTS

6.1 Special Report on Global Warming of 1.5°C

Ms Valérie Masson-Delmotte, Working Group I Co-Chair introduced document [IPCC-XLVII/INF. 6](#) on the status of the special report. She also mentioned that the Third Lead Author Meeting (LAM3) was held in Malmo, Sweden and thanked the Government of Sweden and the Swedish Meteorological and Hydrological Institute for hosting the meeting. She also thanked everyone who responded to the survey on the design and framing of Frequently Asked Questions. The Second Order Draft (SOD) of the Special Report on Global Warming of 1.5°C (SR1.5) and the First Order Draft (FOD) of the Summary for Policymakers (SPM) were drafted under the supervision of Working Group Co-Chairs and Coordinating Lead Authors (CLAs) of the five chapters and noted the addition of Contributing Authors were added to

contribute in the preparation of the SR1.5. A total of 25,476 review comments on the SOD were received from 567 respondents. Ms Masson-Delmotte thanked the Government of Botswana for offering to host the Fourth Lead Author meeting (LAM4). Six Lead Authors (LAs) and Review Editors (Res) stepped down. Two Review Editors and four LAs were selected as replacements. One LA was elevated to become CLA. A three-day SPM writing meeting is required in order to accelerate the finalization of the SPM for government distribution. She thanked the Technical Support Units (TSUs) for the operational support.

Member countries who made comments included: India, Mali, Philippines, Russian Federation and Zambia.

Delegates inquired about the possible reasons associated with the stepping down of the six authors. One delegate inquired if there were salient points from the review comments received. Ms Masson-Delmotte reported that the authors who had stepped down cited different personal reasons. She mentioned that most of the comments requested shorter and clearer text and more clarity on the expression of confidence related to statements. One observer organization suggested that the SPM could effectively reflect important new research highlighted in the five chapters.

The Panel took note of the report.

6.2 Special Report on the Ocean and Cryosphere in a Changing Climate

Mr Hans-Otto Pörtner, Co-Chair of Working Group II presented document [IPCC-XLVII/INF. 11](#). He informed the Panel that the First Lead Author meeting (LAM1) for the report was held in Naji, Fiji, in October 2017 and thanked the government of Fiji for hosting the meeting. The LAM1 provided a substantive start to the report. A media briefing and two outreach events were also held. The internal draft of the Special Report on the Ocean and Cryosphere in a Changing Climate (SROCC) underwent informal expert review from 15 December 2017 – 19 January 2018. The draft was reviewed by 34 experts who submitted 1606 comments. The review comments were discussed by the author team during the Second Lead Author meeting (LAM2) which was held in Quito, Ecuador in February 2018. A media dialogue, a bilateral meeting between the Minister of Environment and the IPCC and an outreach event were held during the LAM2. Mr Pörtner thanked the government of Ecuador for hosting the meetings. The FOD of the SROCC is in preparation and is scheduled for review from 4 May – 29 June 2018. The Third Lead Author meeting (LAM3) will be held in July 2018 in Lanzhou, China. Chapter Scientists have been appointed for every chapter. The glossary is under development and will be incorporated into the common glossary for all three Working Groups. Frequently asked questions (FAQs) are also under development.

One observer organization thanked the IPCC for selecting some authors they nominated and inviting them to review the internal draft. The SROCC will be used for the preparatory process of the United Nations Decade on Ocean Science for Sustainable Development (2021-2030).

The Panel took note of the report.

6.3 Special Report on Climate Change and Land

Mr Priyadarshi Shukla, Working Group III Co-Chair presented document [IPCC-XLVIII/INF. 1](#). He informed the Panel that the FOD which was held in Oslo, Norway in October 2017 initiated the work by developing the chapter outlines and dealing with cross-cutting issues. The Zero Order Draft (ZOD) which was completed in January 2018 was reviewed by 31 experts. A total of 131 applications were received in response to the call for volunteer Chapter Scientists from developing countries. Seven scientists were selected. To address cross-cutting issues, two Task Groups were established to deal with the glossary and scenarios.

One observer organization inquired if the SOD would be reviewed by both experts and governments.

Mr Shukla confirmed that governments will also be invited to review the SOD.

The Panel took note of report.

6.4 Task Force on National Greenhouse Gas Inventories

Mr Eduardo Calvo-Buendia, Co-Chair of the Task Force on National Greenhouse gas Inventories (TFI) introduced document [IPCC-XLVII/INF. 4](#). He informed the Panel that about 190 authors and REs are working on the 2019 Refinement of the 2006 IPCC Guidelines for National Greenhouse Gas Inventories. The LAM2 was held in Victoria Falls, Zimbabwe in September 2017. Mr Calvo-Buendia thanked the government of Zimbabwe for hosting the LAM2. About 853 experts registered to review the FOD from 4th December 2017 – 11 February 2018. The LAM3 is scheduled for April 2018 in Cairns, Australia. The SOD will be available for government and expert review from 2nd July 2018 – 9th September 2018. The TFI continues its work in maintaining, improving and promoting the Emissions Factor Database (EFDB) and the IPCC Inventory Software. The 15th EFDB Editorial Board Meeting and the Expert Meeting on data for the EFDB were held in Paris in December 2017, co-organized with the International Energy Agency.

Mr Kiyoto Tanabe, Co-Chair of the TFI reported that the selection of new members of the EFDB Editorial Board was ongoing. As part of improving the Inventory Software, some Tier 2 worksheets for certain sectors have either been already incorporated or are close to completion. The Expert Meeting on Short Lived Climate Forcers, organized by the TFI and Working Group I will take place in Geneva in May 2018. The TFI continues to work in collaboration with the UNFCCC to help inventory compilers to better understand and use TFI products.

The Panel took note of the report.

6.5 Task Group on Data and Scenario Support for Impact and Climate Analysis

Mr Timothy Carter, Co-Chair of the Task Group on Data and Scenario Support for Impact and Climate Analysis (TGICA) presented a progress report highlighting recent activities of the group and the IPCC Data Distribution Centre (DDC), document [IPCC-XLVIII/INF. 9](#). He reported that TGICA held their last meeting in Exeter, United Kingdom in July 2017. He thanked the Hadley Centre, UK Met Office and the UK government for hosting and supporting the meeting. TGICA had a full teleconference on 20th October 2017 and subsequent smaller subgroup teleconferences, which will continue in order to advance ongoing work. Main developments include: formation of a new DDC support group, which involves DDC Managers and Working Group TSU representatives; initiation of a process to curate IPCC summary figures and tables for AR6 products; archiving of AR5 materials; preparation of general guidelines on the use of scenario data for climate impacts and adaptation assessment and a fact sheet on downscaling; statistics of user sessions of the DDC which show an increase in using the resources at the DDC; and updating TGICA webpages on the main IPCC website.

The Panel took note of the report.

6.6 Communication and outreach activities

In introducing the item, Mr Jonathan Lynn, IPCC Senior Communications Manager, presented the report on communication and outreach activities (document [IPCC-XLVIII/INF. 7](#)) and highlighted the swift and effective response to leaks of the Second-Order Draft of the Special Report on *Global Warming of 1.5°C* in January 2018. He said that a standby contract with a crisis communications consultant had been concluded recently, as required by the Implementation Plan of the IPCC Communications Strategy. He described the *Communications Handbook for IPCC Scientists* developed on the initiative of the Working

Group I Technical Support Unit, which has met a positive response from authors. He also reported that the IPCC has signed a Memorandum of Understanding with the United Nations Foundation, which will support the IPCC in areas such as website development and media training, and thanked the UN Foundation for their support.

Mr Lynn reported on communications activities at the CitiesIPCC conference held in Edmonton, Canada, the previous week, which had greatly raised the IPCC's visibility. During the conference more than 4,300 tweets were sent using the #CitiesIPCC hashtag, more than 7,000 people followed the conference remotely via Facebook Live or livestream, and more than 90 articles were published in the media, including Reuters, National Geographic and Canadian Press. He recalled events held by the governments of France and Italy to commemorate the 30th anniversary of the IPCC. He said the Secretariat was ready to support other members planning such events, and pointed to resources posted on the IPCC website to support such events: http://www.ipcc.ch/news_and_events/30years.shtml. Lastly, Mr Lynn showed the new IPCC website that is under development.

The Chair of the IPCC thanked the Secretariat and invited delegations to take the floor.

Norway, Mali, Chad, Guinea, Switzerland, the Netherlands and Tanzania took the floor. Delegations expressed their appreciation for the work undertaken on communications and outreach.

One delegation asked about the proposal to postpone the Expert Meeting on the Science of Science Communication previously planned for 2018 and said such a meeting may still be useful later in the cycle. One delegation supported by others recalled the important contribution made to the IPCC's communication and outreach activities by the National Focal Points and suggested that the Secretariat issue certificates to the National Focal Points acknowledging this work. One delegation raised the need for planning for communications around the release of the Special Report on *Global Warming of 1.5°C* and Several delegations said they were planning to hold events marking the IPCC's 30th anniversary.

In responding to the comments made, Mr Lynn said the proposal to postpone the Expert Meeting on the Science of Science Communication was due not only to the difficulty of scheduling it in 2018. It also recognized the enhancement of communications capacity through e.g. the recruitment of communications specialists in the Working Group Technical Support Units. The Co-Chairs had found the Expert Meeting on Communication held in Oslo in 2016 to be particularly useful because it came at the start of the assessment cycle and believed a new expert meeting could be most effective early in the next cycle. He said the communications specialists from the Secretariat and Working Group Technical Support Units were working on detailed planning for communications around the Special Report on *Global Warming of 1.5°C*. He emphasized the Secretariat's willingness to work with National Focal Points on their communications activities.

The IPCC took note of the report on communication and outreach activities.

7. REPORT BY THE WORKING GROUP BUREAUX ON THE SELECTION OF COORDINATING LEAD AUTHORS, LEAD AUTHORS, AND REVIEW EDITORS FOR THE SIXTH ASSESSMENT REPORT

Working Group I, II and III Co-Chairs reported on the selection of Authors, held on 29-30 January 2018 in Geneva, Switzerland presented in documents [IPCC-XLVII/INF. 5](#); [IPCCXLVII/INF.2](#) ; [IPCC-XLVII/INF. 3](#).

Working Group I Co-Chair, Ms Valérie Masson-Delmotte informed the Panel that out of 911 nominations considered by the WGI Bureau, 231 experts were selected as Coordinating Lead Authors (CLAs), Lead Authors (LAs) and Review Editors (REs) for the 12 Working Group I AR6 Chapters and the Atlas. Of these, 8 declined and would be replaced. Each chapter has 2

or 3 CLAs, 2 or 3 REs and between 9 and 15 LAs. Of those selected, 27% are female and 42% are from developing countries and countries with economies in transition (EITs). Of the 63 different authors' citizenships, 39% are from Europe; 20% from Asia; 14% from North America, Central America and the Caribbean; 11% from Africa; 8% from South America and 8% from Southwest Pacific. About 61% of the selected authors have no previous IPCC experience. The median year of completing their PhD is 2002.

Delegates who made comments included: Bolivia, Ecuador, Mali, Mexico, Poland, Saudi Arabia, Togo and Zambia.

Some delegates emphasized the need to maintain intra-regional balance in the selection of authors, particularly between eastern and western Europe, and east and west Asia. Other delegates requested that the list of selected authors could be made available to IPCC Focal Points. One delegate inquired whether IPCC Focal Points were contacted to submit new nominations for three chapters in Working Group I. It was suggested that means should be devised to avoid discouraging potential contributors from participating.

Ms Valérie Masson-Delmotte reported that during the selection process, attention was paid to intra-regional balance based on the nominations received. She requested IPCC Focal Points to encourage experts to participate in the review process of draft reports with the likelihood to involve them as Contributing Authors, who are selected by the Lead Author team.

The Panel took note of the report by the Working Group I Co-Chair.

Mr Hans-Otto Pörtner, Co-Chair of Working Group II reported that from the 1037 nominations received, 262 experts from 67 countries were selected. Of these, 57% are from developed countries and 43% are from developing countries; and 68% are male and 32% are female. The geographic distribution is 30% from Europe; 16% from Asia; 14% from North America, Central America and the Caribbean; 14% from Southwest Pacific; 10% from Africa; and 7% from South America. Those who have not been previously played similar IPCC roles make up to 52%.

Governments which made interventions were Japan and Mali. It was noted that certain selected authors were not nominated by the IPCC National Focal Points. One delegate inquired if the nine replacements who were invited to substitute the authors who declined were covering certain chapters in which Africa is not well represented.

Bureau Members who made comments were Sergey Semenov and Diana Ürge-Vorsatz. A concern was raised that in the Europe Chapter of Working Group II, east Europe is not well represented. It was noted that on the basis of the nominations received, the Bureau took careful consideration of the previous concern about intra-regional imbalance within Europe.

Mr Hans-Otto Pörtner clarified that procedurally, in addition to IPCC Focal Points, Bureau Members and IPCC Observer Organizations are eligible to submit nominations to the IPCC. He advised IPCC Focal Points to always carefully consider the approved outline when nominating experts.

The Panel took note of the report by the Working Group II Co-Chair.

Mr Jim Skea, Working Group III Co-Chair informed the Panel about the process they used to select the author team. Of the selected authors, 52% are from developed countries and 48% are from developing countries and EITs; 69% are male and 31% are female. The regional distribution was affected by the fact that more than 60% of the nominations received were from Europe and Asia.

One member country suggested that experts who were not selected could be given some explanation about the selection process. They implored developed countries to consider supporting all IPCC authors resident in their countries independent of their citizenship and who nominated them.

One observer organization commended the efforts made by the IPCC to select experts with non-traditional academic backgrounds as AR6 authors.

Mr Jim Skea noted the difficulty associated with providing detailed explanation why nominated experts were not selected. The letter which is sent to non-selected authors explains the difficulty of selecting people from a large number of nominations and that not being selected does not reflect a deficiency in the scientific qualifications and skills of the candidate. The letter further encourages non-selected authors to participate in IPCC work in different capacities in future.

The Panel took note of the report by the Working Group III Co-Chair.

8. AR6 OUTLINE MATTERS FOR CONSIDERATION

In introducing the item, the Secretary of the IPCC explained that the Secretariat had received a letter from an IPCC member requesting that the AR6 outline be considered at the 47th Session of the IPCC. Upon the invitation from the Chair, the delegation informed the Panel that the reason for including this item was that some members of its delegation had been unable to attend the 46th Session of the IPCC (IPCC-46) due to visa problems and had thus not been able to be present when the AR6 outline had been approved. At IPCC-46 the delegation had noted that it reserved the right to revisit the discussion on the AR6 outline, specifically the outline of chapter 15.

Upon the proposal by WGIII Co-Chair Jim Skea and after interventions by Saudi Arabia, the United States, Switzerland and India, the Chair requested the Working group III Co-Chair and the delegation that had raised the issue to consider revising the annotation to the Chapter (Document [WG-III :13th/INF. 1](#)) as a way forward to solve the issue.

After consultations, the Working Group III (WGIII) Co-Chair reported that constructive discussions had been had and that a solution had been found whereby the revised annotation now reflected the discussions in Montreal and addressed the concerns raised. The revised text reads as follows:

Chapter 15, ***Investment and finance***, will deal with the role of investment and finance supporting climate change action at the global and regional scales and in developing countries. The focus will be on scenarios of and needs for investment and financial flows related to mitigation pathways. There are multiple ways to finance climate action investments. The assessment will cover public climate finance flows, including multilateral and bilateral international flows, as well as national and sub-national finance mobilisation. The chapter will document developments in financial mechanisms and public-private partnerships that move needed resources to achieve climate mitigation strategies and objectives, as well as the enabling conditions for changing finance and investment patterns. It will also cover emerging trends such as community involvement in climate finance, and sustainable investment criteria applied by institutional investors. Finally, linkages between financing mitigation and adaptation will be assessed. This discussion will focus on synergies and trade-offs between mitigation and adaptation financing and sustainable development priorities, especially in developing countries. This chapter will include case studies highlighting examples of mobilisation of finance flows for mitigation and adaptation strategies. In interpreting the bullet points associated with this chapter, authors should take care to apply terminology in a neutral and non-prescriptive manner, reflecting the scientific use of terms in the underlying literature, including any grey literature which is cited.

The Chair thanked the Co-Chair of WGIII and the delegations involved and Plenary took note of the outcome.

9. ADMISSION OF OBSERVER ORGANIZATIONS

In introducing the item, Ms Sophie Schlingemann, IPCC legal officer, presented document [IPCC-XLVII/Doc. 3](#) related to this topic and informed the Panel that at the request of the Bureau at its 54th Session the Secretariat reviewed and updated the list of observer organizations. One organization was removed from the list since it had ceased to exist, namely the International Human Dimensions Programme (IHDP). The Secretariat also checked the participation of observer organizations in IPCC Sessions since 2012, when the last review was done, which was indicated in document [IPCC-XLVII/Doc. 3](#). She furthermore noted that since the 46th Session of the IPCC (Montréal, 6-10 September 2017) seven applications from organizations for IPCC observer status had been submitted in accordance with the IPCC Policy and Process for Admitting Observer Organizations. After screening by the Secretariat, the IPCC Bureau positively reviewed the applications at its 55th Session (Geneva, 31 January 2018). Subsequently the Panel admitted by consensus the following seven organizations:

(1) Inter-American Institute for Global Change Research (IAI), (2) International Union of Geodesy and Geophysics (IUGG) (3) Rutgers University (USA), (4) SouthSouthNorth Projects Africa (SSN), (5) Oasis (Republic of Serbia), (6) IEA Greenhouse Gas R&D Programme (IEAGHG), and (7) InterAcademy Partnership (IAP).

10. REPORT OF THE CONFLICT OF INTEREST (COI) COMMITTEE

Mr Youba Sokona, the Chair of the IPCC Conflict of Interest (COI) Committee gave a brief verbal report on the activities of the COI Committee. He informed the Panel that the 14th COI Committee meeting was held in Geneva on 31 January 2018 in the margins of the 55th Bureau Session. At that meeting the COI Committee reviewed the updated information in the COI forms submitted by the IPCC Bureau and Task Force Bureau members, which they are required to provide annually in accordance with the IPCC COI Policy.

The Chair informed the Panel that all updates were found in order and that no conflict of interest was found. The Panel took note of the report.

11. REPORT BY THE AD HOC TASK FORCE ON THE FUTURE OF THE TASK GROUP ON DATA AND SCENARIO SUPPORT FOR IMPACT AND CLIMATE ANALYSIS

The Ad hoc Task Force on the Future of the Task Group on Data and Scenario Support for Impact and Climate Analysis (ATF-TGICA) Co-Chairs Andreas Fischlin and Edwin Aldrian introduced the item by presenting the report by the ATF-TGICA as contained in documents [IPCC-XLVII/Doc. 9](#), [Doc. 9.Add1-ATF-TGICA-interview batch](#) and [Doc. 9.Add2-ATF-TGICA-focal points batch](#).

In introducing the documents, the Co-Chairs recalled the mandate, membership and modus operandi of the ATF-TGICA. They explained that the group had been able to complete its tasks, bar a few outstanding issues regarding the long-term vision of the future TGICA. They expressed gratitude to the members of ATF-TGICA, the TGICA Co-Chairs and the Secretariat for collegial and constructive collaboration and noted that it would be now for the Plenary to take note of the report from the Task Force, decide on the future of TGICA and consider next steps for a longer term vision, and in so doing address the few outstanding items that would benefit from discussions in a smaller group.

The Chair thanked the Co-Chairs of ATF-TGICA as well as the members of the Task Force for an excellent report and requested that an open-ended contact group be established to address the remaining few brackets in the report. The Co-Chairs reported back on the work of the contact group 16 March in the morning.

Zambia, Germany, Mali, Saudi Arabia, and the United Kingdom made interventions addressing the need to resolve the issue of sustainable resourcing of the work of the future

TGICA and the DDCs. Many noted the importance of TGICA and the DDCs for developing countries.

The Chair requested the Co-Chairs to work with governments to draft a revised proposal where the concerns as regards sustainable financing be included. After some further discussions the revised proposal was approved and the decision on the future of the TGICA, from now on called "Task Group on Data Support for Climate Change Assessments" (TG-Data) was adopted (Decision IPCC-XLVII-9).

12. ALIGNING THE WORK OF THE IPCC WITH THE NEEDS OF THE GLOBAL STOCKTAKE UNDER THE PARIS AGREEMENT

In introducing the item, Mr Mxolisi Shongwe, Programme Officer, informed the Panel that document [IPCC-XLVII/Doc. 8](#) contained the proposed Terms of Reference (TORs) for the Task Group on the Alignment of the work of the IPCC with the Global Stocktake which were compiled on the basis of submissions by governments and the European Union.

France, as Co-Chair of the Task Group, invited the Panel to consider the proposed TORs and make comments which would form a basis for a discussion in a Contact Group to finalize the proposal to be presented to the Panel for a decision.

During the ensuing discussions, government delegates who made submissions and/or interventions were: Australia, Austria, Belgium, Canada, Chad, China, Germany, Ghana, Hungary, India, Iran, Ireland, Jamaica, Japan, Luxembourg, Maldives, Mali, Mexico, Norway, Pakistan, Peru, Philippines, Poland, Saudi Arabia, Senegal, Singapore, South Africa, Sudan, Switzerland, Trinidad and Tobago, United Kingdom and United States of America.

Delegates suggested that the work of the IPCC should be kept independent of that of the UNFCCC. The IPCC should continue to provide comprehensive assessments of the state of knowledge regarding climate change for a broad audience, including decision makers at all levels beyond the needs of multilateral climate discussions. Some delegates suggested that it would be appropriate for the IPCC to receive an official request from the UNFCCC detailing the information needs for the global stocktake, whose modalities are still being negotiated. Other delegates suggested that to remain policy relevant, the IPCC should anticipate information needs of the UNFCCC and continue to provide information necessary to support deliberations by Parties, including the global stocktake.

Concerns were raised that the recommendations by the Task Group should not be considered in connection with the revision of IPCC procedures. Others noted that the work of the Task Group should not take place in isolation but should be linked to other groups which the IPCC may establish and should be cognizant of external developments. It was noted that the IPCC should not take short cuts in the development and review of its reports which could potentially reduce their quality. To ensure adequate time for assessment products to be developed and reviewed, it would be important to consider the timing of elections relative to the finalization of the AR6, the time available for authors to develop the content of future reports, and the value in timing of any Synthesis Report. The IPCC would benefit from the experience gained in 2018 and 2023 to inform decisions regarding future assessment cycles.

Delegates objected to limiting the membership to 20, and suggested that all governments should be invited to form part of the Task Group. It was suggested that the process should preferably be government driven with IPCC Bureau Members and Technical Support Units (TSUs) playing advisory roles.

Delegates supported the proposal that the Task Group starts working immediately after the 47th Session of the IPCC and concludes its work in 2020.

IPCC Bureau members who made comments were: Andreas Fischlin, Valérie Masson-Delmotte, Andy Reisinger, Sergey Semenov, Diana Ürge-Vorsatz, Carolina Vera, Nouredine Yassaa and Taha Zatari.

It was proposed that Bureau Members and TSU representatives could become either full members or ex-officio members of the Task Group to share their ideas and expertise on the science-policy interface and to guide against possible risks associated with tightening workloads. Alternatively, the TORs could provide explicitly for an opportunity for Bureau Members and TSUs to provide routine structured input to the deliberations of the Task Group. The Panel was informed that the Working Group I Bureau explored the various options for the alignment of IPCC cycles taking into consideration possible opportunities, risks and operational challenges for the preparation of reports. Some of the considerations which could be shared by Bureau Members with the Task Group include developing a new model for synthesizing IPCC findings and preparing Supplementary Reports which could update key findings in previous IPCC reports based on a short assessment of the most recent literature as has been recently done by the Royal Society.

One observer organization submitted that the TORs could include considerations of the rate of change in nature.

The Panel established a contact group to deliberate on the mandate and the TORs for the Task Group.

Co-Chair María Amparo Martínez Arroyo presented the outcome of the Contact Group meetings highlighting that the title required further discussion. The Contact Group reconvened for another deliberation. Subsequently, Co-Chair Éric Brun presented the draft proposal and draft decision.

The Panel adopted the Terms of Reference for the Task Group as contained in Annex I to Decision IPCC-XLVII-8. The list of Member countries which expressed interest in contributing to the work of the Task Group is available at: <http://www.ipcc.ch/organization/gst.shtml>.

13. GENDER

In introducing the agenda item, Ms Kerstin Stendahl presented document [IPCC-XLVII/Doc. 7](#), and recalled Goal 5 of the United Nations (UN) Sustainable Development Goals that refers to the need to achieve gender equality and empower all women and girls. She further highlighted how UN entities like WMO, UN Environment and the UNFCCC have adopted action plans on gender equality. She noted the IPCC has paid attention to gender in electing members of the Bureau and the selection of its authors including those for the Special Reports being prepared in this cycle and the Sixth Assessment Report. She informed the meeting that in recent years IPCC members have held discussions on gender, including during a side event at 22nd session of the Conference of the Parties (COP22) to the UNFCCC in November 2016 organized by the Working Group I Technical Support Unit and the Association Marocaine des Sciences Regionales and at another side event just before the 46th Session of the IPCC in September 2017.

She said that the document presented to the Plenary contained a proposal for the Panel to set up a task team to develop a framework of action to improve gender balance within the IPCC's structures. The Task Team would report on progress to the Panel's 49th Session.

Benin, Canada, Kenya, Luxembourg, Norway, Sweden, Switzerland, United Kingdom, United Republic of Tanzania, United States of America, Working Group I Vice Chair Carolina Vera, Working Group III Vice Chair Diana Ürge-Vorsatz, and Working Group I Co-Chair Valerie Masson-Delmotte took the floor. They all supported the proposal to set up a task team on gender.

Some delegations asked that the mandate of the task team be broadened to include gender mainstreaming and reporting on the evolution of gender balance for IPCC structures and among the authors. Several delegations noted that the IPCC should consider aligning this initiative with the work of other UN bodies on gender including the UNFCCC in order to learn from best practices. Several delegations expressed the need for terms of reference for the group that would be concrete and ambitious with clear goals and should include all levels of the IPCC. Many who spoke were appreciative of the efforts made to increase the participation of women so far, especially for women in developing countries, especially efforts to raise the number of female authors for the current assessment cycle in comparison with the previous assessment cycle. Some noted the need to clarify how a task group on gender would be resourced and noted ways to save on costs, such as organizing back to back meetings with plenaries. One delegation shared its experience in increasing the number of female nominations it submitted for the AR6 which helped increase nominations of female authors from 21% to 37%.

WG I Vice-Chair, Carolina Vera, noted that the number of female authors is still low for the Working Group I contribution to AR6 even after efforts from the Working Group Bureau to get more female authors. WGI Co-Chair, Valerie Masson-Delmotte, welcomed the focus on gender issues given her experience as a Coordinating Lead Author. She said that there has been an improvement in the percentage of AR6 female authors but the Panel must be aware that this might stagnate as it is influenced by the situation of women in science which is outside of the scope of the IPCC. She suggested that perhaps IPCC could consider mentoring programmes for Focal Points to share knowledge on nominating high profile women scientists. IPCC could also consider issues of reduced work load for female authors through chapter scientists, reduced teaching workloads in their institutions etc. Working Group III Vice-Chair, Diana Ürge-Vorsatz, agreed with the WGI Co-Chair and noted even though there is an increase in female authors in this cycle there are still significant concerns in the higher structures like the IPCC Bureau and Coordinating Lead Authors.

The Deputy Secretary proposed that a small contact group meet later that day to finalize a proposal for terms of reference for the Panel's consideration. The contact group chaired by Ms Christiane Textor, Germany, met and drafted the proposal for the terms of reference which Ms Textor presented to the Panel for consideration the next day.

Belgium, Norway, Mexico, Saudi Arabia, Sudan, Venezuela and IPCC Vice-Chair and IPCC Vice-Chair Ko Barrett made interventions. Many noted that the terms of reference should be broadened to include gender related issues in order not to limit the Task Group's mandate. Also several delegations mentioned that the developing country element should not be left out. IPCC Vice-Chair Ko Barret thanked the contact group for including Bureau members as potential members of this group and wanted clarity on how the group will be constituted. One delegation asked for clarification on how the group will be resourced bearing in mind IPCC's current financial constraints. Another delegation raised the need to clarify the aims and goals.

Ms Textor, in providing a summary of the discussion in the contact group, suggested adding to the terms of reference that the group would also address gender related issues in order to broaden the mandate of the Task Group. She explained that lessons could be learnt from how Task Groups were constituted during the reform process and the way the ATF-TGICA was constituted with members and friends all of whom could take part in meetings. She noted that the Task Group will work on a framework to be submitted to the 49th Session of the IPCC for its consideration. She further noted that at the moment the Task Group will not have any additional costs as its meetings will be electronic and face to face meetings will be held along the sidelines of plenary meetings.

The Panel adopted the decision and the Term of Reference (Decision IPCC-XLVII-7) as contained in (Annex 1) with the suggested changes.

14. REVIEW OF PRINCIPLES GOVERNING IPCC WORK

The IPCC Secretary informed the Panel that while the Principles Governing IPCC Work indicate that the Principles should be reviewed every five years, the IPCC has established a practice to review parts of the Principles, including its three Appendices, whenever needed. This approach has proven to be both practical and effective. No major issues had been brought to the attention of the Secretariat. Furthermore the last amendment of Appendix C to the Principles, the Procedures for the Election of the IPCC Bureau and any Task Force Bureau, was done in 2015. This would imply that a next review, if any, would have to take place in 2020. The Chair asked the Panel to take note of the verbal report and to agree with the clarification and suggestions made by the IPCC Secretary, to which the Panel agreed.

15. PARTICIPATION OF DEVELOPING COUNTRIES IN IPCC ACTIVITIES

In introducing the agenda, Mr Mxolisi Shongwe, Programme Officer presented document [IPCC-XLVII/Doc. 4](#) and mentioned that the survey conducted after the half-day pre-Plenary Briefing Session during IPCC-45 indicated general support for the briefing session as well as suggestions for improvement. The Panel was invited to provide guidance on the way forward regarding the briefing sessions and other feasible ways to improve the effective participation of developing countries in IPCC activities.

Delegations which made interventions included: Australia, Bahamas, Bolivia, Botswana, Canada, Ethiopia, India, Kenya, Malawi, Mali, Mauritius, Netherlands, Norway, Republic of Tanzania, South Africa, South Sudan, Swaziland, Togo and Ukraine.

There was general support by Panel members for the continuation of the pre-Plenary briefing sessions in future IPCC meetings. It was suggested that the briefing sessions could be coordinated more effectively with clear measurable indicators and outcomes which should be used to continuously assess their effectiveness and usefulness. A proposal was made that the briefing sessions should be low cost, preferably without interpretation, a not repeatedly make the same presentations, particularly material which is publicly available on the IPCC website. Instead, they should focus on sharing of experiences, lessons learnt and best practices between IPCC Focal Points and delegates in relation to the nomination process of experts who participate in IPCC work.

The Netherlands announced that the initiative which was first introduced at the 44th Session of the IPCC by Dr Leo Meyer on behalf of the University College London and collaborating partners is being implemented through an e-learning course aimed at improving the contribution by experts and governments from developing countries in the review of IPCC draft reports. The project is funded through the Future Climate for Africa Programme of the South South North Organization based in Cape Town. Webinars and interactive training sessions are expected to take place in June 2018, the review period for the IPCC Special Report on Climate Change and Land, and the government review period for the SPM of the Special Report on Global Warming of 1.5 °C. Botswana, Germany, Kenya and the Republic of Tanzania, thanked the government of the Netherlands for the announcement and supported the proposal to publish it on the IPCC website.

IPCC Bureau members who made comments were: Amjad Abdulla, Edvin Aldrian, Eduardo Calvo-Buendía, Ramón Pichs-Madruga, Youba Sokona, Nouredine Yassaa and Taha Zatari.

It was noted that during approval sessions of IPCC reports, developing country delegates leave before the session is concluded because of their travel arrangements. To avoid this happening, it was recommended that consideration could be made to extend the stay of participants funded from the IPCC Trust Fund during approval sessions of IPCC reports.

Some delegates suggested that more efforts should be made to facilitate the acquisition of entry visas by participants attending IPCC meetings. Others proposed that countries which issue visas on arrival or electronically should preferably be selected as hosts of IPCC

meetings. The IPCC Secretariat was requested to investigate reasons behind the consistent absence of certain countries in IPCC Sessions and identify possible remedial measures.

The Secretary of the IPCC informed the Panel that the Secretariat is continuing to work with host countries to help, to the extent possible, to enable the acquisition of entry visas by delegates participating in IPCC meetings. The WMO is also helping in this effort.

The Secretariat presented the Decision IPCC-XLVII-4, which the Panel adopted without amendments.

16. MATTERS RELATED TO UNFCCC AND OTHER INTERNATIONAL BODIES

The United Nations Framework Convention on Climate Change (UNFCCC) Secretariat representative presented document [IPCC-XLVII/INF. 10](#) on the outcomes of the last 23rd session of the Conference of the Parties (COP-23) to the UNFCCC of relevance to the IPCC, as well as on forthcoming activities that would benefit from support from the IPCC.

India, Norway, Saudi Arabia, and Luxemburg took the floor. One delegation noted that matters addressed under this agenda item should also pertain to synergies with the Convention on Biological Diversity, the International Panel on Biodiversity and Ecosystem Services and the United Nations Convention to Combat Desertification. Especially the Special Report on the Ocean and Cryosphere in a Changing Climate (SROCC) and the Special Report on Climate Change and Land (SRCCL) have specific links to these other international processes. Several delegations discussed the need for additional information on decisions taken in UNFCCC that would be of relevance to the future work of the IPCC.

The Panel took note of the document.

17. ANY OTHER BUSINESS

No issue was raised under this agenda item.

18. PLACE AND DATE FOR THE 48TH PLENARY SESSION OF THE IPCC

The Secretary informed the Plenary of the generous offer of the Government of the Republic of Korea to host the 48th Session of the IPCC. The Panel gratefully accepted the offer to hold the next Panel Session in Incheon, Republic of Korea, in 2018. The Government of Japan expressed its willingness to host the 49th Session on the IPCC in Kyoto, in 2019.

19. CLOSING OF THE SESSION

The Chair of the IPCC thanked the Government of France for hosting a successful 47th Session of the IPCC. He thanked government representatives of member countries, Bureau members, the Secretariat and the interpreters for a successful meeting and gaveled the meeting to a close at 17.30 pm on Friday 16 March 2018.

47TH SESSION OF THE IPCC
13 – 16 March 2018, Paris, France

Decisions adopted by the Panel

Decision IPCC-XLVII-1 Adoption of the provisional agenda

Documents: IPCC-XLVII/Doc.1. and IPCC-XLVII/Doc.1. Add 1.Rev. 1

The Intergovernmental Panel on Climate Change at its 47th Session adopts the provisional agenda as contained in document IPCC-XLVII/Doc.1.

Decision IPCC-XLVII-2 IPCC Trust Fund Programme and Budget for the years 2018,2019, 2020 and 2021

Document: IPCC-XLVII/Doc.2, Rev. 1

Based on the recommendations of the Financial Task Team (FiTT), the 47th Session of the Intergovernmental Panel on Climate Change:

1. Appreciates the support that the Secretariat of the IPCC provides to the IPCC process;
2. Approves the revised budget for 2018, as contained in Annex 1;
3. Approves the proposed budget for 2019, as contained in Annex 2;
4. Notes the forecast budget for 2020, as contained in Annex 3;
5. Notes the indicative budget for 2021, as contained in Annex 4;
6. Welcomes with gratitude all contributions and pledges from members, especially from developing countries, and Intergovernmental Organizations, and encourages all members of the IPCC to maintain or increase their financial support, also through multiyear pledges, so as to ensure the financial stability of the IPCC;
7. Encourages members to make first time contributions to the IPCC Trust Fund in order to broaden the donor base;
8. Expresses its gratitude to members that support the Technical Support Units (TSUs) and a number of IPCC activities, including data centres, meetings and outreach actions;
9. Encourages members to transfer funds as soon as practicable, while noting that contributions from IPCC members are due on 1 January of each calendar year, noting that when transferring funds to WMO, members should indicate that the contribution is “for the IPCC Trust Fund” to ensure proper identification of the recipient;

10. Expresses its gratitude to the World Meteorological Organization (WMO) and the United Nations Environment Programme (UNEP) for financing one Secretariat position each, and to WMO for hosting the Secretariat and for its contribution to the IPCC Trust Fund;
11. Expresses its gratitude to the United Nations Framework Convention on Climate Change for its contribution to the IPCC Trust Fund;
12. Decides to continue preparing the budget of the IPCC Trust Fund using the standard costs, bearing in mind that expenditures may be lower than the budget;
13. Requests the Secretariat to report on its efforts to continue reducing costs in the secretariat and to prepare a proposal for the level of the working capital reserve of the IPCC and to report back at IPCC-49;
14. Requests that the Secretariat presents, in addition to statements according to IPSAS, the statement of financial position and financial performance on a modified cash basis which categorizes expenditure per activity as well as by natural account;
15. Requests the Secretariat to provide the panel with interim statements of expenditure covering the first six months of the year, as well as the projection of expenditure for the rest of the year (this decision supersedes para 12 of Decision IPCC/XLVI-1).

REVISED 2018 BUDGET ADOPTED BY IPCC-XLVII

Activity	Purpose	DC/EIT support	Other Expenditure	Sub-total
Governing bodies				
IPCC-47*	Programme and budget	480,000	0	480,000
4 days	various	120 journeys		
IPCC-48*	Programme and budget	480,000	100,000	580,000
4 days	Acceptance SR1	120 journeys		
Bureau	2 sessions	288,000	150,000	438,000
5 days		72 journeys		
Executive Committee	2 sessions and consultations	0	0	0
4 days				
TFB	1 session	0	6,120	6,120
		0 journeys		
UNFCCC and other UN meetings		80,000	0	80,000
		20 journeys		
SUB-TOTAL				1,584,120
Lead Authors, scoping, expert meetings and workshops				
WG I AR6	CLA/LA	400,000	68,000	468,000
LA 1		100 journeys		
WG II AR6	CLA/LA	0	0	0
LA 1	(move to 2019)	100 journeys		
SR 1 (1.5°C)	CLA/LA	200,000	34,000	234,000
LA 4		50 journeys		
SR 1(1.5°C)	CLA, drafting authors, Co-Chairs	60,000	0	60,000
First SPM Drafting Meeting		15 journeys		
SR 1(1.5°C)	CLA, drafting authors, Co-Chairs- held back-to back with P48	60000	0	60,000
Second SPM Drafting Meeting		15 journeys		
SR 2 (Land)	CLA/LA	512,000	43,520	555,520
LA 2 and LA 3		128 journeys		
SR 3 (Oceans)	CLA/LA	360,000	61,200	421,200
LA 2 and LA 3		90 journeys		
WG I Expert Meeting - Assess climate info for regions	1 meeting	240,000	0	240,000
		60 journeys		
Expert meeting - Science of Communicating Science	1 meeting	0	0	0
		20 journeys		
Workshop on Cities (co-sponsored)	1 workshop (moved from 2017)	200,000	34,000	234,000
		50 journeys		
TFI Methodological devt.	1 meeting	60,000	10,200	70,200
Science meeting	(contingency)	15 journeys		
TFI Methodological devt.	2 meetings	672,000	57,120	729,120
Lead Author meetings		168 journeys		
TFI and WGI Expert meeting on Short-Lived Climate Forcers	1 meeting	160,000	27,200	187,200
		40 journeys		
TGICA	1 meeting (contingency)	48,000	8,160	56,160
		12 journeys		
EFDB Editorial Board	1 meeting	96,000	16,320	112,320
		24 journeys		
EFDB Data meeting	1 meeting	40,000	6,800	46,800
		10 journeys		
EFDB and Software Users Feedback (Japan)	1 meeting	44,000	0	44,000
		11 journeys		
SUB-TOTAL				3,518,520
Other Expenditures				
2006 GL software	maintenance/development			6,000
EFDB maintenance	update/management			7,000
Publications/Translations	IPCC publications (SR 1.5)			150,000
Communication	AR6 material/travel/events			320,000
Distribution	IPCC publications			100,000
IT Infrastructure	web hosting/cloudflare/upgrades			13,128
External Audit	fee			20,000
Advisory Services	Conflict of Interest			15,000
Co-Chairs	support			200,000
SUB-TOTAL				831,128
Secretariat				
Secretariat	staff costs/misc expenses			1,912,500
Resource Mobilization	travel costs (Phase I: 2017-2019)			15,600
SUB-TOTAL				1,928,100
TOTAL				7,861,868

* Host country confirmed.

PROPOSED 2019 BUDGET ADOPTED BY IPCC-XLVII

Activity	Purpose	DC/EIT support	Other Expenditure	Sub-total
Governing bodies				
IPCC-49* 4 days	Programme and budget Acceptance MR	480,000 120 journeys	100,000	580,000
IPCC-50** 4 days	Acceptance SR 2 (Land)	480,000 120 journeys	280,000	760,000
IPCC-51* 4 days	Acceptance SR3 (Oceans)	480,000 120 journeys	100,000	580,000
Bureau 4 days	2 sessions	288,000 72 journeys	120,000	408,000
Executive Committee 4 days	2 sessions and consultations	0	0	0
TFB	1 session	36,000 9 journeys	6,120	42,120
UNFCCC and other UN meetings		80,000 20 journeys	0	80,000
SUB-TOTAL				2,450,120
Lead Authors, scoping, expert meetings and workshops				
WG I AR6 LA 2 and LA 3	CLA/LA meeting	800,000 200 journeys	136,000	936,000
WG II AR6 LA 1 and LA 2	CLA/LA meeting	800,000 200 journeys	136,000	936,000
WG III AR6 LA 1 and LA 2	CLA/LA meeting	800,000 200 journeys	136,000	936,000
SR 2 (Land) SPM Drafting meeting	CLA, drafting authors, Co-Chairs (held back-to back with P50)	72000 18 journeys	0	72,000
SR 3 (Oceans) SPM Drafting meeting	CLA, drafting authors, Co-Chairs (held back-to back with P51)	48000 12 journeys	0	48,000
SR 2 (Land) LA 4	CLA/LA meeting	292,000 73 journeys	49,640	341,640
SR 3 (Oceans) LA 4	CLA/LA meeting	180,000 45 journeys	30,600	210,600
SYR AR6	Scoping meeting 2	160,000 40 journeys	27,200	187,200
SYR AR6	CWT-1 meeting	60,000 15 journeys	10,200	70,200
TGICA	1 meeting (contingency)	48,000 12 journeys	8,160	56,160
EFDB Editorial Board	1 meeting	96,000 24 journeys	16,320	112,320
EFDB Data meeting	1 meeting	40,000 10 journeys	6,800	46,800
EFDB and Software Users Feedback (Japan)	1 meeting	44,000 11 journeys	0	44,000
TFI Methodological devt	1 prep meeting before Plenary (moved from 2017)	64,000 16 journeys	0	64,000
TFI Expert meeting	1 meeting (contingency)	100,000 25 journeys	17,000	117,000
SUB-TOTAL				4,177,920
Other Expenditures				
2006 GL software	maintenance/development			6,000
EFDB maintenance & production of offline version	update/management			20,000
Publications/Translations	IPCC publications (MR & SRs)			500,000
Communication	AR6 material/travel/events			260,500
Distribution	IPCC publications			100,000
IT Infrastructure	web hosting/cloudflare/upgrades			13,128
External Audit	fee			20,000
Advisory Services	Conflict of Interest			15,000
Co-Chairs	support			200,000
SUB-TOTAL				1,134,628
Secretariat				
Secretariat	staff costs/misc expenses			1,912,500
Resource Mobilization	travel costs (Phase I: 2017-2019)			15,600
SUB-TOTAL				1,928,100
TOTAL				9,690,768

* Host country identified.

** Host country TBC.

FORECAST 2020 BUDGET NOTED BY IPCC-XLVII

Activity	Purpose	DC/EIT support	Other Expenditure	Sub-total
Governing bodies				
IPCC-52 4 days	Programme and budget	480,000 120 journeys	280,000	760,000
IPCC-53 4 days	Programme and budget	480,000 120 journeys	280,000	760,000
Bureau 4 days	2 sessions	288,000 72 journeys	120,000	408,000
TFB	1 session	36,000 9 journeys	6,120	42,120
UNFCCC and other UN meetings		80,000 20 journeys	0	80,000
SUB-TOTAL				2,050,120
Lead Authors, scoping, expert meetings and workshops				
WG I AR6 LA 4	CLA/LA meeting	400,000 100 journeys	68,000	468,000
WG II AR6 LA 3 and LA 4	CLA/LA meeting	800,000 200 journeys	136,000	936,000
WG III AR6 LA 3 and LA 4	CLA/LA meeting	800,000 200 journeys	136,000	936,000
Expert meeting - Science of Communicating Science	1 meeting	80,000 20 journeys	13,600	93,600
SYR AR6	CWT-2 meeting	60,000 15 journeys	10,200	70,200
SYR AR6	CWT-3 meeting (moved to 2021)	0 0 journeys	0	0
TGICA	1 meeting contingency	48,000 12 journeys	8,160	56,160
EFDB Editorial Board	1 meeting	96,000 24 journeys	16,320	112,320
EFDB Data meeting	2 meetings	80,000 20 journeys	13,600	93,600
EFDB and Software Users Feedback (Japan)	1 meeting	44,000 11 journeys	0	44,000
TFI Expert meeting	1 meeting contingency	100,000 25 journeys	17,000	117,000
SUB-TOTAL				2,926,880
Other Expenditures				
2006 GL software	maintenance/development			6,000
EFDB maintenance	update/management			7,000
Publications/Translations	IPCC publications			200,000
Communication	AR6 material/travel/events			260,500
Distribution	IPCC publications			100,000
IT Infrastructure	web hosting/cloudflare/upgrades			13,128
External Audit	fee			20,000
Advisory Services	Conflict of Interest			15,000
Co-Chairs	support			200,000
SUB-TOTAL				821,628
Secretariat				
Secretariat	staff costs/misc expenses			1,912,500
Resource Mobilization	travel costs (Phase II: 2020-2022)			15,800
SUB-TOTAL				1,928,300
TOTAL				7,726,928

All activities subject to Panel approval in IPCC-52

INDICATIVE 2021 BUDGET NOTED BY IPCC-XLVII

Activity	Purpose	DC/EIT support	Other Expenditure	Sub-total
Governing bodies				
IPCC-54 4 days	Programme and budget Acceptance AR6 WGI	480,000 120 journeys	280,000	760,000
IPCC-55 4 days	Acceptance AR6 WG III	480,000 120 journeys	280,000	760,000
IPCC-56 4 days	Programme and budget Acceptance AR6 WG II	480,000 120 journeys	280,000	760,000
Bureau 4 days	2 sessions	288,000 72 journeys	120,000	408,000
TFB	1 session	36,000 9 journeys	6,120	42,120
UNFCCC and other UN meetings		80,000 20 journeys	0	80,000
SUB-TOTAL				2,810,120
Lead Authors, scoping, expert meetings and workshops				
SYR AR6	CWT-3 meeting	60,000 15 journeys	10,200	70,200
SYR AR6	CWT-4 & CWT-4 bis meetings	120,000 30 journeys	20,400	140,400
TGICA	1 meeting contingency	48,000 12 journeys	8,160	56,160
EFDB Editorial Board	1 meeting	96,000 24 journeys	16,320	112,320
EFDB Data meeting	2 meetings	80,000 20 journeys	13,600	93,600
EFDB and Software Users Feedback (Japan)	1 meeting	44,000 11 journeys	0	44,000
TFI Expert meeting	1 meeting contingency	100,000 25 journeys	17,000	117,000
SUB-TOTAL				633,680
Other Expenditures				
2006 GL software	maintenance/development			6,000
EFDB maintenance	update/management			7,000
Publications/Translations	IPCC publications (WG I/II/III)			600,000
Communication	AR6 material/travel/events			260,500
Distribution	IPCC publications			100,000
IT Infrastructure	web hosting/cloudflare/upgrades			13,128
External Audit	fee			20,000
Advisory Services	Conflict of Interest			15,000
Co-Chairs	support			200,000
SUB-TOTAL				1,221,628
Secretariat				
Secretariat	staff costs/misc expenses			1,912,500
Resource Mobilization	travel costs (Phase II: 2020-2022)			15,800
SUB-TOTAL				1,928,300
TOTAL				6,593,728

All activities subject to Panel approval in IPCC-54

Decision IPCC-XLVII-3 Admission of Observer Organizations

Document: IPCC-XLVII/Doc. 3

The Intergovernmental Panel on Climate Change at its 47th Session decides to grant the following observer organizations observer status, in accordance with the IPCC Policy and Process for Admitting Observer Organizations:

1. Inter-American Institute for Global Change Research (IAI)
2. International Union of Geodesy and Geophysics (IUGG)
3. Rutgers University (USA)
4. SouthSouthNorth Projects Africa (SSN)
5. Oasis
6. International Energy Agency Greenhouse Gas R&D Programme (IEAGHG)
7. InterAcademy Partnership (IAP)

Decision IPCC-XLVII-4 Participation of developing countries in IPCC activities

Document: IPCC-XLVII/Doc. 4

The Intergovernmental Panel on Climate Change at its 47th Session:

1. Notes that the survey conducted indicates support for pre-plenary briefing sessions, while also offering suggestions for improvement.
2. Recommends that the Secretariat continues to organize pre-plenary briefing sessions which should be low cost, preferably without interpretation, be open to all registered delegates and be periodically assessed to improve their usefulness and efficiency.
3. Requests that the Secretariat continues with efforts to facilitate acquisition of entry visas for delegates attending IPCC meetings.
4. Requests the Secretariat to consider means to extend the stay of delegates funded from the IPCC Trust Fund during approval sessions of IPCC reports.

Decision IPCC-XLVII-5 Approval of the draft report of the 46th Session

Document: IPCC-XLVII/Doc.5, Rev. 1

The Intergovernmental Panel on Climate Change at its 47th Session approves the report of the 46th Session of the IPCC.

Decision IPCC-XLVII-6 IPCC Scholarship Programme

Document: IPCC-XLVII/Doc. 6

Based on the recommendations of the Science Board of the IPCC Scholarship Programme and discussions taking place before and during the 47th Session of the IPCC, the Panel:

1. Expresses its gratitude to the Prince Albert II of Monaco Foundation and the Cuomo Foundation for their financial support in providing for ten new scholarships to developing country recipients during the 4th round of scholarship awards (2017-2019).

2. Recognizes the importance of the Scholarship Programme in advancing its dual objectives of: providing scholarships for young post-graduate or post-doctoral students from developing countries, especially least developed countries, for research advancing the scientific understanding of the scientific basis for climate change; and supporting other capacity building activities in developing countries, in line with the general aim of the Nobel Peace Prize Fund ("the Fund") as agreed by the IPCC.
3. Requests the Science Board to continue to prioritize the funding of post-graduate or post-doctoral scholarships in developing countries and to explore ways to further enhance the Scholarship Programme, including by continuing to learn from and collaborate with other scholarship programmes, academic institutions, and donors to increase the funding provided to developing country scientists and to address administrative challenges encountered by the Scholarship Programme to date.
4. Notes that having developing country scientists function as Chapter Scientist for the AR6 assessment cycle is a good way to build the capacity of these scientists, engage them in the work of the IPCC, provide for participation in a peer network that can support their professional growth and advance their careers as respected scientists in their field.
5. Requests the Science Board to consider using the IPCC Scholarship Programme to supplement the ongoing support for PhD students by also funding travel and honoraria for developing country scientists to function as Chapter Scientists for the AR6 cycle. Chapter Scientists should be selected through an open and transparent solicitation and selection process managed by the Technical Support Units of the IPCC Working Groups.

Decision IPCC-XLVII-7 Gender

Document: IPCC-XLVII/Doc. 7

The Intergovernmental Panel on Climate Change at its 47th Session decides:

1. To establish a task group with the aim of developing a framework of goals and actions to improve gender balance and address gender-related issues within the IPCC.
2. The task group is open to IPCC members, Bureau members and Technical Support Unit staff and will select two co-chairs and a rapporteur from its members at its first meeting. One of the Co-Chairs should be from a developed country and another from a developing country/EIT. One of the Co-Chairs should be female.
3. The work of the task group is supported by the Secretariat.
4. The task group will:
 - prepare a report on gender balance and gender related issues within the IPCC;
 - solicit, from the members and observer organizations of the IPCC, submissions on relevant national and international gender policies and strategies;
 - consult other relevant organizations;
 - propose recommendations for further action.
5. The task group's mode of working will be through various electronic means and face to face meetings during IPCC plenaries.
6. The task group will present a report with recommendations to the 49th Session of the IPCC.

Decision IPCC-XLVII-8 Aligning the work of the IPCC with the needs of the Global stocktake under the Paris Agreement

Document: IPCC-XLVII/Doc.8

With reference to Decision IPCC/XLVI-5 on the alignment of the cycles of the IPCC and the global stocktake, which was adopted at the 46th Session of the IPCC, the Intergovernmental Panel on Climate Change at its 47th Session decides:

1. To adopt the terms of reference for the Task Group, henceforth named “Task Group on the organization of the future work of the IPCC in light of the global stocktake”. Its terms of reference are in Annex 1.
2. The Task Group must operate with the resources available in the IPCC.
3. From the next sessions on the agenda item will be named “Organization of the future work of the IPCC in light of the global stocktake”.

PROPOSED TERMS OF REFERENCE FOR THE TASK GROUP ON THE ORGANIZATION OF THE FUTURE WORK OF THE IPCC IN LIGHT OF THE GLOBAL STOCKTAKE

PURPOSE

To identify issues and options for consideration by the Panel on the organization, including timing, of the future work of the IPCC, including with particular regard to the seventh assessment cycle, taking into account the scientific information needs of the global stocktake and of the UNFCCC more generally, as well as audiences and purposes served by IPCC assessments, in accordance with principles governing IPCC work, and with respect to the rate of progress in the state of knowledge of various aspects of climate change.

- The Task Group will consider the pros and cons of different options, including quality of reports and implications for operations, resourcing, budget and contributions of the research community.
- The identified options will preserve the scientific integrity and the independence of the IPCC, and robustness, scope and depth of its products.

TERM

- The Task Group should start its work following the approval of its TORs by the Panel at the 47th Session of the IPCC. The Task Group should present progress reports at Panel Sessions and comply with IPCC procedures and ensure transparency and inclusiveness. The Task Group should deliver the outcomes of its work and report in due time for the first 2020 plenary.

MEMBERSHIP

- Co-chaired by France and Mexico.
- The Task Group is open to the participation by the members of the IPCC² and consist of Algeria, Argentina, Australia, Austria, Belgium, Belize, Bolivia, Brazil, Canada, Chad, Chile, China, Cuba, Denmark, Ecuador, European Union, Egypt, Finland, Germany, Ghana, Guinea, Guyana, Hungary, India, Indonesia, Iran, Ireland, Jamaica, Japan, Kenya, Luxembourg, Netherlands, Republic of Korea, Romania, Russian Federation, Saint Kitts and Nevis, Saint Lucia, Saudi Arabia, Senegal, Singapore, South Africa, Sudan, Swaziland, Sweden, Trinidad and Tobago, United Kingdom, United States of America, United Republic of Tanzania, Venezuela, Zambia and Zimbabwe.
- IPCC Bureau members and TSU representatives are invited to advise the Task group in carrying out its activities.
- Two 'rapporteurs' to take note of discussions and help draft proposals.
- Secretariat support.

MEETINGS AND REPORTING

- Between plenaries and ensuring inclusiveness: mail exchanges, cooperative work, teleconferences, call for submissions, with an option for possible physical meetings in between panel sessions if appropriate.
- Hold physical meetings during plenary sessions, starting from the 49th Session.
- The Secretariat will circulate the draft final report to Governments for comments before submitting to the Panel.
- Present a progress report at each Panel Session.

2 and IPCC Observer Organizations with the right to introduce proposals

Decision IPCC-XLVII-9 Future of the Task Group on Data and Scenario Support for Impact and Climate Analysis

Document: IPCC-XLVII/Doc. 9

The Intergovernmental Panel on Climate Change at its 47th Session decides to:

1. Take note of the work of ATF-TGICA as contained in document IPCC-XLVII/Doc.9 that was submitted to the Panel at its 47th Session.
2. Rename the Task Group on Data and Scenario Support for Impact and Climate Analysis (TGICA) to "Task Group on Data Support for Climate Change Assessments (TG-Data)".
3. Adopt the new Terms of Reference for TG-Data as contained in Annex 1 to this document.
4. Adopt the Guidance for DDC as contained in Annex 2 to this document.
5. Take note that current in-kind contributions for the DDC as described in IPCC-XLVII/Doc.9 are not sufficient to fully implement the activities of the DDC identified in Annex 2 to this document and that these in-kind contributions are not long-term commitments. The Panel requested the Secretariat to work with the IPCC Bureau to seek additional and more sustainable resourcing options.

Annex 1

Terms of Reference and Mandate of the IPCC Task Group on Data Support for Climate Change Assessments (TG-Data)

1 PURPOSE

The purpose of the TG-Data is to:

- 1.1 Provide guidance to the IPCC's Data Distribution Centre (DDC) in order to provide curation, transparency, traceability and stability of data and scenarios related to the reports of the IPCC.
- 1.2 Facilitate, in cooperation with the DDC, the availability and consistent use of climate change related data and scenarios in support of the implementation of the work programme of the IPCC.
- 1.3 Facilitate in cooperation with the DDC the availability and use of climate change related data resulting from the activities of the IPCC in accordance with the mandate of the IPCC.

2 ROLES AND RESPONSIBILITIES

With respect to IPCC's Data Distribution Centre (DDC) the TG-DATA will:

- 2.1 Provide oversight of the DDC's activities, in close liaison with the three IPCC Working Group Bureaus (WGBs).
- 2.2 Identify in close liaison with the Co-Chairs or their representatives of the three Working Groups (WGs) relevant external sources of data, scenario information, and external data partnerships.
- 2.3 Provide in close liaison with the Co-Chairs or their representatives of three WGs guidance to incorporate consistently and efficiently relevant regional data and scenario information into the IPCC assessment work by developing and proposing policies and structures that will help to link and curate data as needed and used by the Co-Chairs or their representatives of the three WGs.
- 2.4 Recommend partnerships with external organisations to ensure the stability of the IPCC data sets they hold.

With respect to the use of data and scenarios the TG-DATA will:

- 2.5 Provide expert information on data and scenarios in support of the implementation of the work programme of the IPCC.
- 2.6 In cooperation with the Co-Chairs or their representatives of the three WGs, develop and update good practice guidance materials related to data and scenarios, targeting IPCC authors who lack familiarity with the IPCC process and/or the relevant data and scenarios.
- 2.7 Contribute to building capacity in the use of data and scenarios for climate-related research, particularly in developing and transition-economy regions and countries. e.g. through encouraging activities such as expert meetings and liaison with relevant academic institutions to address the requirements of developing countries. To achieve this, TG-DATA may work with organizations and activities that have training as their core mandate but would not develop training programmes on their own.

Furthermore, the TG-DATA will:

- 2.8 Explore in close consultation with the Co-Chairs or their representatives of the three WGs options for a sustainable structure, functioning, and resourcing for the DDC building upon the material contained in Annex 9 to the present report.

3 MEMBERSHIP

3.1 Members including the TG-DATA co-chairs will be selected by the IPCC Bureau.

3.2 Members will be selected from nominations of experts solicited by the IPCC Secretariat from governments and observer organisations.

3.3 TG-DATA will be composed of approximately 12 members, but not more than 15. The composition of the TG-DATA shall aim to reflect to the extent possible:

- a) the range of scientific, technical and socio-economic views and expertise as needed to fulfil its role and responsibilities;
- b) geographical representation, experts from developed and developing countries and from countries with economies in transition,
- c) a mixture of experts with and without previous experience in IPCC;
- d) gender balance;
- e) experts with a background from relevant stakeholder and user groups.

3.4 The TG-DATA shall have two Co-Chairs with suitable experience, one from a developed country and another from a developing country/EIT. At least one of the Co-Chairs should preferably be female.

3.5 The DDC managers and relevant TSU staff are ex-officio members of the TG-DATA invited to share their views and experiences.

4 TERM

4.1 The term of membership on the TG-DATA is to be linked to the assessment cycle of the IPCC and be refreshed at latest with the author selection process of a new comprehensive assessment, though with contingency for members to serve shorter terms.

5 MODUS OPERANDI

5.1 Within the framework of the purpose and the roles and responsibilities, the TG-DATA, in consultation with the WG Co-Chairs, will prepare its draft workplan for duration of its term, including a list of activities and meetings, associated deliverables and respective timelines. The workplan is subject to review by the IPCC Bureau and presented to the Panel for approval, contingent on the availability of funds.

5.2 TG-DATA should have one face to face meeting in a year. Additional meetings will be preferably held through teleconferencing and/or in combination with existing IPCC meetings where TG-DATA members will be present. The TG-DATA may convene expert meetings on an as needed basis. Teleconferencing arrangements will be provided from the IPCC Secretariat.

5.3 The TG-DATA Co-Chairs are responsible for preparing meeting agendas and minutes, with support from the IPCC Secretariat.

6 REPORTING

6.1 TG-DATA is accountable to the Bureau and reports through the IPCC Bureau to the Panel.

Annex 2

Guidance for the core functions of the IPCC Data Distribution Centre (DDC)

1 PURPOSE

1.1 The purpose of the IPCC Data Distribution Centre (DDC) is to archive and provide transparency, traceability, and stability of data and scenarios that are relevant in the context of the IPCC.

2 ROLES AND RESPONSIBILITIES

The DDC will, contingent on the availability of resources:

2.1 Archive and provide transparency, traceability, and stability of data and scenarios used by the IPCC in its reports, available at the DDC or elsewhere.

2.2 Archive and provide transparency, traceability, and stability of data and scenarios underpinning key figures and tables, and headline statements in the IPCC reports.

2.3 Collaborate as appropriate with data centers that hold data or provide functions relevant to the IPCC in a transparent manner, under the guidance of the TG-DATA and the Working Group Bureaus (WGBs), to provide information via IPCC websites relevant to data and scenarios.

2.4 Curate new data sets unavailable elsewhere and link to external data sets of relevance.

2.5 Improve accessibility to Data Distribution Centre materials for supporting IPCC authors and external users, especially in developing countries.

2.6 Contribute to a sustainable structure established and approved by the IPCC to provide observed and model data and information relevant at regional scales.

3 REPORTING

3.1 TG-DATA reports on DDC's activities to the IPCC Bureau.

Decision IPCC-XLVII-10 Ad hoc Task Group on Financial Stability

Document: IPCC-XLVII/Doc.10

The Intergovernmental Panel on Climate Change at its 47th Session:

1. Notes with appreciation the report from the Co-Chairs of the Ad hoc Task Group on Financial Stability.
2. Acknowledges the valuable work of the ad hoc task group.
3. Recognizes that while the financial situation of the IPCC for the forthcoming years has improved, there is still a need to discuss options for sustainable financing for the IPCC for the medium and long term.
4. Decides to extend the mandate of the Ad hoc Task Group on Financial Stability of the IPCC and requests that it reports back to the 48th Session of the IPCC.

INTERGOVERNMENTAL PANEL ON CLIMATE CHANGE

47TH SESSION OF THE INTERGOVERNMENTAL PANEL ON CLIMATE CHANGE
Paris, France, 13 – 16 March 2018

LIST OF PARTICIPANTS

CHAIR OF THE IPCC

Hoesung LEE
IPCC Chair
Korea University
c/o Korea Meteorological Administration, 16-gil-61
Yeouidaebangro, Dongjak-gu
Seoul
Republic of Korea
Tel.: +82 2 835 1363
E-mail: leehoesung@gmail.com

BUREAU MEMBERS

Nouredine YASSAA
WGI Vice-chair
Centre de Développement des Energies
Renouvelables
Route de l'Observatoire, B.P. 62, Bouzareah,
16340 Algiers
Algeria
Tel.: +21321901561
E-mail: n.yassaa@cder.dz

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

Mark HOWDEN
WGII Vice-Chair
Climate Change Institute
Australian National University
Canberra ACT 2601a
Australia
Tel.: +61262464118
E-mail: mark.howden@anu.edu.au

Thelma KRUG
IPCC Vice-Chair
Ministry of Science, Technology, Innovation and
Communication
Sao Jose dos Campos
Brazil
Tel.: +55 232086442
E-mail: thelma.krug@inpe.br

Gregory FLATO
WGI Vice-Chair
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

Panmao ZHAI
WGI Co-chair
Chinese Academy of Meteorological Sciences
No. 46, Zhongguancun South Street Haidian
District
Beijing
China
Tel.: +86 10 68409421
E-mail: pmzhai@cma.gov.cn

Ramon PICHS MADRUGA
WGIII Vice-Chair
CIEM
Havana
Cuba
Tel.: +5372042507
E-mail: rpichs@ciem.cu

Diriba DADI
WGIII Vice-Chair
USGS/Famine Early Warning Systems Network
P.O. Box 17403
Addis Ababa
Ethiopia
Tel.: +116619966
E-mail: dkorecha@yahoo.com

Valerie MASSON DELMOTTE
WGI Co-Chair
LSCE
Route de l'Orme des merisiers
Gif sur Yvette
France
Tel.: +33 6 79 08 21 22
E-mail: valerie.masson@lsce.ipsl.fr

Hans-otto PÖRTNER
WGII Vice-Chair
Alfred-Wegener-Institut
Marktstraße 3
28195 Bremen
Germany
Tel.: +49(0)471 4831 2440
E-mail: hans.poertner@awi.de

Diana URGE-VORSATZ
WGIII Vice-Chair
Central European University
Năjdor street 9
Budapest
Hungary
Tel.: +3613273095
E-mail: vorsatzd@ceu.edu

Priyadarshi SHUKLA
WGIII Co-Chair
Indian Institute of Management, Ahmedabad
Vastrapur
Ahmedabad 380015
India
E-mail: shukla@iima.ac.in

Edvin ALDRIAN
WGI Vice-Chair
Center for Climate Change and Air Quality of
BMKG
Jl. Angkasa I No. 2, Kemayoran
Jakarta Pusat 10720
Indonesia
Tel.: +62 21 4246321
E-mail: e_aldrrian@yahoo.com

Carlo CARRARO
WGIII Vice-Chair
University of Venice
Ca Foscari, Dorsoduro 3246
Venice
Italy
Tel.: +390412348211
E-mail: carlo.carraro@feem.it

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

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

Fatima DRIOUECH
WGI Vice-Chair
Direction de la Météorologie Nationale of Morocco
Bd du complexe administratif Hay Hassani BP
8106 Casa Oasis
CASABLANCA
Morocco
Tel.: + 00212522654872
E-mail: driouechfatima@yahoo.fr

Andy REISINGER
WGIII Vice-Chair
New Zealand Agricultural Greenhouse Gas
Research Centre
PO Box 5290
Wellington
New Zealand
Tel.: +64 4 472 3292
E-mail: Andy.Reisinger@nzagrc.org.nz

Jan FUGLESTVEDT
WGI Vice-Chair
CICERO
Gaustadalléen 21,
Oslo 0349
Norway
Tel.: +4791578850
E-mail: j.s.fuglestvedt@cicero.oslo.no

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

Sergei SEMENOV
WGII Vice-Chair
Institute of Global Climate and Ecology
Glebovskaya Street, 20B
Moscow
Russian Federation
Tel.: +7 499 169 1103
E-mail: SergeySemenov1@yandex.ru

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

Nagmeldin Goutbi ELHASSAN
WGIII Vice-Chair
Higher Council for environment and Natural
Resources (HCENR)
P.O. Box 10488, Gama Street
Khartoum
Sudan
E-mail: goutbi@yahoo.com

Andreas FISCHLIN
WGII Vice-Chair
ETH Zurich
Systems Ecology - Institute of Integrative Biology
CHN E 24, Universitaetstrasse 16
Zurich
Switzerland
Tel.: +41 44 633 6090
E-mail: andreas.fischlin@env.ethz.ch

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

James SKEA
WGIII Co-Chair
Imperial College London
14 Princes Gardens
London
UK
Tel.: +44 207 594 9294
E-mail: j.skea@imperial.ac.uk

Pius YANDA
WGII Vice-Chair
University of Dar-es-Salaam
P.O. Box 33453
Dar-es-Salaam
United Republic of Tanzania
E-mail: pyanda@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@ipcc.ch

Carlos MENDEZ
WGII Vice-Chair
Science Minister
Kilometro 11, carretera Panamericana
Caracas
Venezuela
Tel.: +582125041246
E-mail: carlos.menvall@gmail.com

MEMBER COUNTRIES

ALGERIA

Mouna YOUSFI
Ambassade d'Algérie in Paris
50, rue de Lisbonne
Paris
France
Tel.: +33153932020
E-mail: m.yousfi@amb-algerie.fr

ANGOLA

Luis CONSTANTINO
Ministry of Environment
Rua dos Enganos, No. 05 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 of Argentina
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: as.muradyan@mail.ru

AUSTRALIA

Greg TERRILL
Department of the Environment and Energy
John Gorton Building, King Edward Terrace
Parkes
Canberra
Australia
Tel.: +61 (02) 6274 2210
E-mail: Greg.Terrill@environment.gov.au

Andrew WILLIS
Embassy of Australia in Paris
4 rue Jean Rey
Paris
France
Tel.: +33 (0)1 40 59 34 21
E-mail: Andrew.Willis@dfat.gov.au

Ken XIE
Embassy of Australia in Paris
4 rue Jean Rey
Paris
France
Tel.: +33 (0)1 40 59 34 10
E-mail: Ken.Xie@dfat.gov.au

Nicole THOMAS
Ambassy of Australia in Paris
4 rue Jean Rey
Paris
France
Tel.: +33 (0)1 4059 3316
E-mail: Nicole.Thomas@dfat.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: manfredogris@gmx.at

Reinhard REBERNIG
BMNT
Stubenbastei 5
Vienna
Austria
Tel.: +4369910250142
E-mail: r.rebernig@gmail.com

AZERBAIJAN

Aygun NARIMANOVA
Ministry of Ecology and Natural Resources of
Republic of Azerbaijan
H.Aliyev ave 10
Baku
Azerbaijan
Tel.: (+994 12) 566 27 94
E-mail: aygun.narimanova@mail.ru

BAHAMAS

Jeffrey SIMMONS
Bahamas Department of Meteorology
P.O. Box N8330
Nassau
Bahamas
Tel.: + 2427025250
E-mail: jeffreysimmons@gmail.com

BELGIUM

Bruna GAINO
Plateforme Wallone de GIEC/UCL
Place Louis Pasteur 3, (bte L4.03.08)
1348 Louvain-la-Neuve
Belgium
Tel.: +32 (0)10 47 32 86
E-mail: Bruna.Gaino@uclouvain.be

Jean- Pascal VAN YPERSELE
Université catholique de Louvain (UCL) - Georges
Lemaitre 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
BELSPO - Belgian federal Science Policy Office
Louizalaan 231 - Avenue Louise1050
1050 Brussels
Belgium
Tel.: +32 (0) 2 238 36 10
E-mail: vdst@belspo.be

BELIZE

Shanea YOUNG
National Meteorological Service of Belize
PO Box 717, Belize District
Belize
Tel.: +501-225-2054
E-mail: syoung@hydromet.gov.bz

BENIN

Kokou Marcellin NAKPON
METEO BENIN
BP 379
COTONOU
Benin
Tel.: +22994174151
E-mail: nakponmarcellin@yahoo.fr

BOLIVIA

Rafaela Maica MOLINA VARGAS
Plurinational Authority of Mother Earth
Edif. Camara Nacional de Comercio, Piso 12. Av.
Mariscal Santa Cruz 1392 (Casi Esq. Colombia)
La Paz
Bolivia
Tel.: 591(2)2188600
E-mail: rafaelamv04@gmail.com

Carlos Ivan ZAMBRANA FLORES
Plurinational Authority of Mother Earth
Edif. Camara Nacional de Comercio, Piso 12. Av.
Mariscal Santa Cruz 1392 (Casi Esq. Colombia)
La Paz
Bolivia
Tel.: 591(2)2188600
E-mail: ivan.zambrana@madretierra.gob.bo

BOSNIA AND HERZEGOVINA

Goran TRBIC
University of Banja Luka Faculty of Science
Mladena Stojanovica 2
Banja Luka
Bosnia and Herzegovina
Tel.: +38751324561
E-mail: trbicg@pmfbl.org

BOTSWANA

Janet SELATO
Department of Meteorological Services
P.O. Box 10100
Gaborone
Botswana
Tel.: +267 361 2247
E-mail: jselato@gov.bw

BRAZIL

Paulo BRAGA
Ministry of Foreign Affairs
Esplanada dos Ministerios Bloco H Anexo III 3
andar
Brasilia
Brazil
Tel.: +55 61 20306072
E-mail: paulo.braga@yahoo.com.br

José Domingos Gonzalez MIGUEZ
Ministry of Environment
Esplanada dos Ministérios - Bloco B
Brasilia
Brazil
Tel.: +556120282170
E-mail: cdm_miguez@yahoo.com.br

Andréa NASCIMENTO DE ARÚJO
Ministry of Science, Technology and Innovation
Esplanada dos Ministérios, Bloco E, s. 268 - CEP
70067-900
Brasilia
Brazil
Tel.: +55 61 2033 8074
E-mail: anaraujo@mcti.gov.br

Bianca DINATALE
Embassy of Brazil in Paris
Ministry of Foreign Affairs
1, Rue Miollis 75015 Paris - Cedex 15
Paris
France/Brazil
Tel.: +33 1 45 68 28 89
E-mail: bianca.dinatale@itamaraty.gov.br

BURKINA FASO

Ulrich Jacques DIASSO
Agence Nationale de la Meteorologie
'01 BP 576
Ouagadougou
Burkina Faso
Tel.: +2347065815172
E-mail: udiasso@gmail.com

BURUNDI

Maurice SHIRAMANGA
Institute Geographique du Burundi
Av. Patrice Lumumba 34
Bujumbura
Burundi
Tel.: +25722223150
E-mail: mshiramanga@yahoo.com

CAMBODIA

Chanthoeun HENG
Department of Climate Change, General
Secretariat of National Council for Sustainable
Development
Techno Heritage Building, plot No.503, Blvd (St.
3), Khan Chamkamon
Phnom Penh
Cambodia
Tel.: +855-16-726668
E-mail: hcthoeuncc@gmail.com

CAMEROON

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

CANADA

Laird SHUTT
Environment and Climate Change Canada
335 River Road
Ottawa
Canada
Tel.: +613-949-8306
E-mail: laird.shutt@canada.ca

Tristan-emmanuel LANDRY
Embassy of Canada in France
35 Montagne
75008 Paris
France
Tel.: +33144432262
E-mail: tristan.landry@international.gc.ca

CENTRAL AFRICAN REPUBLIC

Joel-urbain TETÉYA
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
Direction General of the National Meteorology
B. P. 429
NDJAMENA
Chad
Tel.: +235 62000047 / +235 92129808
E-mail: chogara11@yahoo.fr

CHILE

Maritza JADRIJEVIC
Climate Change Office, Environmental Ministry
San Martin 73, 8° piso
Santiago
Chile
Tel.: +56 2 25735688
E-mail: mjadrijevic@mma.gob.cl

CHINA

Guanyang DONG
National Development and Reform Commission
38 Yuetan Street, Xicheng District, 100824,
Beijing, China
Beijing
China
Tel.: +86 10 68505600
E-mail: donggy@ndrc.gov.cn

Yuan FANG
Ministry of Foreign Affairs
2 Chaoyangmen Nandajie
Beijing
China
Tel.: +86 10 65963297
E-mail: fang_yuan@mfa.gov.cn

Sha FU
China
Delegate
National Development and Reform Commission
1 Yuyuantan Nanlu
Beijing
China
Tel.: +86 10 68781322
E-mail: fusha216@outlook.com

Yun GAO
China Meteorological Administration
46 Zhongguancun Nandajie
Beijing 100081
China
Tel.: +86 10 58995787
E-mail: gaoyun@cma.gov.cn

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

Ying REN
China Meteorological Administration
46 Zhongguancun Nandajie, 100081, Beijing
Beijing
China
Tel.: +86 10 68406732
E-mail: renying@cma.gov.cn

Yan SUN
Ministry of Science and Technology
15B, Fuxing Road, Haidian District
Beijing 100862
China
Tel.: +86 10 58881421
E-mail: suny@most.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.: +86 10 68597580
E-mail: nnzhang@cashq.ac.cn

COMOROS

Said DJAMAL-DINE
Ministere de l'Environnement
Moroni
zilimadjou
Comoros
Tel.: +269 7731602
E-mail: djasaid001@gmail.com

CONGO

Joseph BADEVOKILA
Ministère du Tourisme et de l'Environnement
Cité Cardinal Emile Biayenda
Brazzaville
Congo
Tel.: +242066043237
E-mail: badevokila@gmail.com

COOK ISLANDS

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

COSTA RICA

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

CÔTE D'IVOIRE

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

CROATIA

Kreso PANDZIC
Meteorological and Hydrological Service
Gric 3, HR - 10000 Zagreb
Croatia
Tel: +385 1 45 65 684
E-mail: pandzic@cirus.dhz.hr

CUBA

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

CZECH REPUBLIC

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

DENMARK

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

DJIBOUTI

Dini Abdallah OMAR
Ministère de l'Urbanisme et de l'Environnement
Commune de boualos
Djibouti
Djibouti
Tel.: +253 21 35 85 22
E-mail: dini.omar12@gmail.com

DOMINICA

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

DOMINICAN REPUBLIC

Pedro GARCIA BRITO
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

ECUADOR

Rosa Ana GONZALEZ BENITEZ
Ministry of Environment
Madrid 1159 and AndaluciaA
Quito
Ecuador
Tel.: + 593 9 95602981
E-mail: rosa.gonzalez@ambiente.gob.ec

EGYPT

Kamel ELABASEERY
Ministry of Foreign Affairs
30 Misr - Helwan Agr. Road, Maadi,
Cairo 11728
Egypt
Tel.: +2 022 5246162
E-mail: abaseery77@hotmail.com

EL SALVADOR

Mario Giovanni MOLINA
Avenida Las Mercedes y Calle a Santa Tecla
San Salvador
El Salvador
Tel.: +50321329533
E-mail: gmolina@marn.gob.sv

EQUATORIAL GUINEA

Pedro MALAVO NSENE
Ministry of Forestry and the Environment
Malabo
Equatorial Guinea
Tel.: +240222259037
E-mail: pmalavo@hotmail.com

ESTONIA

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

ETHIOPIA

Fetene TESHOME
National Meteorological Agency
Addis Ababa
Ethiopia
Tel.: +116615540
E-mail: fetenekoket@yahoo.com

FINLAND

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

FRANCE

Laurent BECLER
Paris
France
E-mail: laurent.becler@developpement-
durable.gouv.fr

Nicolas BERIOT
MTES
DGEC/SCEE/ONERC
92055 La Défense Cedex
France
Tel.: +33140819278
E-mail: nicolas.beriot@developpement-
durable.gouv.fr

Vincent BOURCIER
MTES/DGEC/SCEE/ONERC
92055 La Défense Cedex
France
Tel.: +33 1 40 81 92 85
E-mail: vincent.bourcier@developpement-
durable.gouv.fr

Eric BRUN
MTES
DGEC/SCEE/ONERC
92055 La Défense Cedex
France
Tel.: +33 1 40 81 92 94
E-mail: eric.brun-barriere@developpement-
durable.gouv.fr

Marie CARREGA
MTES/DGEC/SCEE/ONERC
92055 La Défense Cedex
France
Tel.: +33 1 40 81 92 65
E-mail: marie.carrega@developpement-
durable.gouv.fr

Philippe CERF
Ministère des affaires étrangères
37 quai d'Orsay
75007 Paris
France
Tel.: +33 1 43178389
E-mail: philippe.Cerf@diplomatie.gouv.fr

Brigitte COLLET
MEAE
37, quai d'Orsay
75007 Paris
France
Tel.: +33 1 43 17 53 53
E-mail: brigitte.collet@diplomatie.gouv.fr

Benedicte CONTAMIN
MEAE
37, quai d'Orsay 75007
Paris
France
Tel.: +33 1 44 49 80 61
E-mail: benedicte.contamin@diplomatie.gouv.fr

Ana DEGACHE-MASPERI
MTES
MTES/DGEC/SCEE/ONERC
92055 La Défense Cedex
France
Tel.: +33 1 40 81 70 14
E-mail: anais.degache-masperi@i-carre.net

Delphine EYRAUD
Arche Sud
92055 Paris
France
Tel.: +33 1 40 81 82 76
E-mail: delphine.eyraud@cop21.gouv.fr

Jean-Marie FLAUD
MESR/DGRI
1 rue Descartes
75005 Paris
France
Tel.: +33 1 55 55 88 36
E-mail: jean-marie.flaud@recherche.gouv.fr

Olivier FONTAN
MEAE
37, quai d'Orsay
75007 PARIS
France
Tel.: +33 1 43 17 63 55
E-mail: olivier.fontan@diplomatie.gouv.fr

Claire GABERT
Ministere de la Transition Ecologique et Soladaire
224 Blvd Saint-Germain
75007 Paris
France
Tel.: +06 81 75 96 38
E-mail: claire.gabert@developpement-durable.gouv.fr

Sophie GOUDIABY
MEAE
37, quai d'Orsay
75007 Paris
France
Tel.: +33 1 43 17 73 73
E-mail: sophie.goudiaby@diplomatie.gouv.fr

Danielle KEROULLE
Ministere de la Transition Ecologique et Solidaire
244 Blvd Saint Germain
75007 Paris
France
Tel.: +33 1 40 81 78 88
E-mail: danielle.keroulle@developpement-durable.gouv.fr

Elisa MAGUEUR
MEAE
37, quai d'Orsay 75007
Paris
France
Tel.: +33 1 43 17 73 89
E-mail: elisa.magueur@diplomatie.gouv.fr

Alice PLANE
MEAE
37, quai d'Orsay 75007
Paris
France
Tel.: +33 1 44 49 80 65
E-mail: alice.plane@diplomatie.gouv.fr

Daniel RICHARD
MTES
MTES/SG/DAEI La Grande Arche
92055 La Défense Cedex
France
Tel.: +33 1 40 81 76 36
E-mail: daniel.richard@developpement-durable.gouv.fr

Arthur SARAIVA FERREIRA
MEAE
37, quai d'Orsay 75007
Paris
France
Tel.: +33 1 44 49 80 58
E-mail: arthur.saraiva-ferreira@diplomatie.gouv.fr

Frédéric SCHAFFERER
MTES
MTES/DGEC/SCEE/ONERC
92055 La Défense Cedex
France
Tel.: +33 1 40 81 20 24
E-mail: frederic.schafferer@developpement-durable.gouv.fr

Sarah VOIRIN
MTES
MTES/DGEC/SCEE/ONERC
92055 La Défense CEDEX
France
Tel.: +33 1 40 81 20 32
E-mail: sarah.voirin@developpement-durable.gouv.fr

Paul WATKINSON
MTES DAEI
La Grande Arche
92055 La Défense Cedex
France
Tel.: +33 1 40 81 76 91
E-mail: paul@watkinson.fr

GABON

Jean Pierre BOUSSOUGOU
National Climate Council
Immeuble les Arcades, Centre Ville
Libreville
Gabon
Tel.: +24101727277
E-mail: randystevy@yahoo.fr

GAMBIA

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

GEORGIA

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

GERMANY

Friedemann CALL
German Aerospace Center, Project Management
Agency, German IPCC Coordination Office
Heinrich-Konen-Str. 1
Bonn
Germany
Tel.: +49 2203 601 3980
E-mail: Friedemann.Call@dlr.de

Gerrit HANSEN
DLR Projectmanagement Agency
Heinrich-Konen-Str. 4
53225 Bonn
Germany
Tel.: +49 30 67055 9658
E-mail: gerrit.hansen@dlr.de

Christian MÜLLER
Federal Ministry for the Environment, Nature
Conservation, Building and Nuclear Safety
Köthener Straße 2-3
Berlin
Germany
Tel.: +49 3018 305 4695
E-mail: Christian.Mueller.extern@bmub.bund.de

Christiane TEXTOR
German Aerospace Center, Project Management
Agency, German IPCC Coordination Office
Heinrich-Konen-Str.1, 53227
Bonn
Germany
Tel.: +49 228 3121 1554
E-mail: christiane.textor@dlr.de

GHANA

Kyekyeku Yaw OPPONG-BOADI
Environmental Protection Agency
P.O. Box M326
Accra
Ghana
Tel.: + 00233208186958
E-mail: koppongboadi@gmail.com

GUINEA

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

GUINEA-BISSAU

Joao LONA TCHEDNA
National Institute of Meteorology
Avenida do Brasil, Cx.P. N° 75
1038 Cedex-Bissau
Guinea Bissau
Tel.: +245 955422007
E-mail: J_Lona@yahoo.fr

GUYANA

Paulette BYNOE
University of Guyana
Turkeyen Campus, Greater Georgetown,
Georgetown
Guyana
Tel.: + 5922224180
E-mail: paulette.bynoe@uog.edu.gy

HUNGARY

Bernadett BENKÁ
Ministry of National Development Hungary
H-1011 Budapest, Váci u. 5-7.
Budapest
Hungary
E-mail: bernadett.benko@nfm.gov.hu

András HUSZÁR
Ministry of National Development
1011 Budapest, Fáy utca 44-50. HUNGARY
Budapest
Hungary
Tel.: +3617954125
E-mail: andras.huszar@nfm.gov.hu

INDIA

Ramanlal Bhatt JAIVARDHAN
Ministry of Environment, Forest and Climate
Change
3rd Floor Jal Block, Indira Paryavaran
Bhavan, Ministry of Environment, Forest and
Climate Change,
New Delhi 110003
India
Tel.: +911124362543
E-mail: jrbhatt@nic.in

IRAN

Behrooz ABTAHI
Iranian National Institute for Oceanography and
Atmospheric Science
Tehran Province, Tehran, Etemadzadeh St, No. 3,
1411813389
Tehran
Iran
Tel.: +9821 66070038
E-mail: abtahi.b@gmail.com

Sheida ASGHARZADEH GHAHROUDI
Ministry of Foreign Affairs
District 12, Imam Khomeini Street ☎ 1136914811
Tehran
Iran
Tel.: +9821 66070038
E-mail: sheida.asgharzadeh@yahoo.com

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

IRELAND

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

ITALY

Antonio NAVARRA
CMCC
Viale Berti Plachat 6/2
Bologna
Italy
Tel.: +393346942203
E-mail: antonio.navarra@cmcc.it

JAMAICA

Jacqueline SPENCE
Meteorological Service
65 3/4 Half Way Tree Road
Kingston 10
Jamaica
Tel.: +1 876 929 3702
E-mail: j.spence@metSERVICE.gov.jm

JAPAN

Tetsuya DEGUCHI
Research Institute of Innovative Technology for the
Earth (RITE),
9-2 Kizugawadai, Kizugawa-shi
Kyoto
Japan
Tel.: +81 774 75 2302
E-mail: deguchi@rite.or.jp

Arata ENDO
Japan Meteorological Agency
1-3-4 Otemachi, Chiyoda-ku
Tokyo
Japan
E-mail: a-endou@met.kishou.go.jp

Toshifumi FUJIMOTO
Japan Meteorological Agency
1-3-4 Otemachi, Chiyoda-ku
Tokyo
Japan
E-mail: fujimoto@met.kishou.go.jp

Noriko HASE
Ministry of the Environment, Japan
1-2-2, Kasumigaseki, Chiyoda-ku,
Tokyo, 100-8975
Japan
E-mail: NORIKO_HASE@env.go.jp

Osamu ISHIUCHI
Ministry of Agriculture, Forestry and Fisheries
1-2-1, Kasumigaseki, Chiyoda-ku
Tokyo
Japan
E-mail: osamu_ishiuchi130@maff.go.jp

Masumi ITO
Ministry of Economy, Trade and Industry
1-3-1 Kasumigaseki, Chiyoda-ku
Tokyo
Japan
E-mail: ito-masumi@meti.go.jp

Yumi KOBAYASHI
Research Institute of Innovative Technology for the
Earth (RITE)
9-2 Kizugawadai, Kizugawa-shi
Kyoto
Japan
Tel.: +81 774 75 2302
E-mail: kobayashi@rite.or.jp

Izumi MORI
Ministry of Education, Culture, Sports, Science and
Technology (MEXT)
3-2-2 Kasumigaseki, Chiyoda-ku
Tokyo
Japan
E-mail: imori@mext.go.jp

Hiroko NAKAMURA
Global Environmental Forum
8th Floor, Kuramae Intelligent Bldg., 3-17-3,
Kuramae, Taito-ku,
Tokyo 111-0051
Japan
E-mail: hiroco0517@gmail.com

Masako OGAWA
Ministry of the Environment, Japan
1-2-2, Kasumigaseki, Chiyoda-ku,
Tokyo, 100-8975
Japan
E-mail: MASAKO_OGAWA@env.go.jp

Atsushi SATO
Mitsubishi UFJ Research and Consulting Co., Ltd.
5-11-2, Toranomom, Minato-ku
Tokyo
Japan
Tel.: +81 3 6733 1023
E-mail: atsushi.sato@murc.jp

Kiichi SHIRAKAWA
Environmental Analysis Section, Environment and
Energy Department, Japan Weather Association
& Sunshine 60 Bldg. 55F, 3-1-1 Higashi-Ikebukuro,
Tokyo
Japan
E-mail: shirakawa@jwa.or.jp

Shunya WAKAMATSU
Ministry of Education, Culture, Sports, Science and
Technology (MEXT)
3-2-2 Kasumigaseki, Chiyoda-ku
Tokyo
Japan
Tel.: +81-3-6734-4143
E-mail: wakamatsu@mext.go.jp

KENYA

Patricia NYING'URO
Kenya Meteorological Department
BOX 30259-00100
Nairobi
Kenya
Tel.: +254203867880
E-mail: pnyinguro@gmail.com

LAO PEOPLE'S DEMOCRATIC REPUBLIC

Bounthee SAYTHONGVANH
Ministry of Natural Resources and Environment
Nahaidiew Rd, Ban Sisavath,
Vientiane Capital
Lao People's Democratic Republic
Tel.: +85621 265017
E-mail: thee988@hotmail.com

LEBANON

Samar MALEK
Ministry of Environment
Lazarieh Center, P.O.Box 11-2727, Bloc 3, 7th
Floor
Beirut
Lebanon
Tel.: +9613302777
E-mail: samar@moe.gov.lb

LESOTHO

Mookho MONNAPULA
Lesotho Meteorological Services
P.O Box 14515
Maseru 100
Lesotho
Tel.: + 266 22317250
E-mail: monnapula21@gmail.com

LIBERIA

Arthur GAR-GLAHN
Ministry of Transport
P. O. Box 9041
Monrovia
Liberia
Tel.: +231 886 565 245
E-mail: meteoliberia.transport@yahoo.com

LUXEMBOURG

Andrew FERRONE
Administration of Agricultural Technical Services
BP. 1904
L-1019 Luxembourg
Luxembourg
Tel.: +352 45 71 72-322
E-mail: Andrew.Ferrone@asta.etat.lu

MADAGASCAR

Nirivololona RAHOLIJAO
Direction Générale de la Météorologie
P.O.B 1254
101-Antananarivo
Madagascar
Tel.: +261 33 76 893 71
E-mail: niriraholijao@gmail.com

MALAWI

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

MALAYSIA

A Rajoo JAYA SINGAM
Ministry of Natural Resources & Environment
No.25 Wisma Sumber Asli, Persiaran Perdana,
Presint 4, 62574
Putrajaya
Malaysia
Tel.: + 603-8886 1125
E-mail: jayasingam@nre.gov.my

MALDIVES

Zammath KHALEEL
Ministry of Environment and Energy
Ameenee Magu
Male
Maldives
Tel.: +9607990654
E-mail: zammath.khaleel@environment.gov.mv

MALI

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

MAURITIUS

Bhye Muslim HEETUN
Mauritius Meteorological Services
St. Paul Road
Vacoas
Mauritius
Tel.: + (230) 686 1031, +(230) 6861032
E-mail: bmheetun@yahoo.com

MEXICO

Maria Amparo MARTINEZ ARROYO
National Institute of Ecology and Climate Change
Anillo Periférico 4209, Jardines en la Montaña,
14210 Ciudad de Mexico, CDMX
Mexico
Tel.: +52 5554246418
E-mail: marroyo@inecc.gob.mx

MONGOLIA

Purejav GOMBOLUUDEV
Information and Research Institute on
Meteorology, Hydrology and Environment
Juulchnii gudamj 5 Baga toiruu 3
Ulaanbaatar
Mongolia
Tel.: +976 11318751
E-mail: p_gombo@hotmail.com

MONTENEGRO

Sanja PAVICEVIC
Parliament of Montenegro
Bulevar Svetog Petra Cetinjskog 10
Podgorica
Montenegro
Tel.: + 382 20 655 183/197
E-mail: sanja.pavicevic@meteo.co.me

MOROCCO

Abdallah NASSIF
Direction of National Meteorology of Morocco
DMN BP 8106 Casa Oasis
Casablanca
Morocco
Tel.: +212522913805
E-mail: nassif.abdallah@gmail.com

MOZAMBIQUE

Arlindo MEQUE
Instituto Nacional de Meteorologia
Rua de Mukumbura, 164
Maputo
Mozambique
Tel.: +258 21491150
E-mail: arlindo.meque@gmail.com

MYANMAR

Hla TUN
Department of Meteorology and Hydrology
Office No (5), Ministry of Transport and
Communications
Naypyitaw
Myanmar
Tel.: +95673411528
E-mail: hlatunmr@gmail.com

NEPAL

Akhanda SHARMA
Ministry of Population and Environment
Sigha Darbar
Kathmandu
Nepal
Tel.: +977 14200523
E-mail: akhanda10@yahoo.com

NETHERLANDS

Marcel BERK
Ministry of Economic Affairs and Climate Policy
Bezuidenhoutseweg 73 Den Haag
Netherlands
P.O. Box 20401
2500 EK Den Haag
Tel.: +31 6 5259 5453
E-mail: M.M.Berk@minez.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
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 22 517 3288
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 Street, Green Building
Maitama Abuja, Nigeria
Abuja
Nigeria
Tel.: +234 8064426144
E-mail: chuksokebugwu@yahoo.com

NORWAY

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

Heidi HELGESTAD
Oslo
Norway
E-mail: heid@norskklimanettverk.no

Maria KVALEVAG
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

PAKISTAN

Omar MUHAMMAD
Ministry of Foreign Affairs
Constitution Avenue
Islamabad
Pakistan
Tel.: +9206108
E-mail: omar.mansha1@gmail.com

PARAGUAY

Jorge SANCHEZ
Direccion de Meteorologia e Hidrologia - DINAC
Cnel. Francisco López 1080 c/ De la Conquista
Asunción
Paraguay
Tel.: +963899
E-mail: jorge.sanchez@meteorologia.gov.py

PERU

Oscar ROCA
Ministry of Foreign Affairs Peru
Jiron Lampa 545
Lima
Peru
Tel.: +512043140
E-mail: Oroca@rree.gob.pe

PHILIPPINES

Leoncio AMADORE
Climate Change Commission
Bulwagan Ninoy, Park and Wildlife Center
Quezon City
Philippines
Tel.: +63919 8350 533
E-mail: lamadore4@yahoo.com.ph

POLAND

Martyna BEGIEDZA
Ministry of Environment, Climate and Air
Protection Department, Climate Policy Unit
Wawelska Str. 52/54
Warsaw, 00-922
Poland
Tel.: 0048 22 369 2495
E-mail: martyna.begiedza@mos.gov.pl

Jakub Wojciech GIBEK
Ministry of Environment, Climate and Air
Protection Department, Climate Policy Unit
Wawelska Str. 52/54
Warsaw, 00-922
Poland
Tel.: 0048 22 369 2708
E-mail: jakub.gibek@mos.gov.pl

QATAR

Mohmoud AL-MARWANI
Delegate
Ministry of Municipality & Environment
P.O Box 7634
Doha
Qatar
Tel.: +974 44263776
E-mail: mamarwani@mme.gov.qa

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

Seonyeong BAK
Republic of Korea
Delegate
Korea meteorological Administration
61 yeouidaebang-ro 16-gil, Dongjak-gu
Seoul
Republic of Korea
Tel.: -2504
E-mail: mint0708@gmail.com

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

Jongok JANG
Inchon Metropolitan City
29 Jeonnak-ro Namdong-Gu
Incheon
Republic of Korea
Tel.: -8981
E-mail: dia120@korea.kr

Soyun JEONG
Korea Meteorological Administration
61 Yeouidaebang-ro 16-gil, Dongjak-gu
Seoul
Republic of Korea
Tel.: -2470
E-mail: plzmic@korea.kr

Hyungjin KIM
Republic of Korea
Delegate
APEC Climate Center
12 Centum 7-ro, Haeundae-gu
Busan
Republic of Korea
Tel.: -4668
E-mail: hyungjin@apcc21.org

Hana KIM
Corporate Course for Climate Change, Sejong
University
Jiphyun Hall 218,209, Neungdong-ro
Gwangjin-Gu
Seoul 05006
Republic of Korea
Tel.: -9413
E-mail: hanakim0729@sejong.ac.kr

Sungho LEE
Incheon Metropolitan City
29 Jeonggak-ro Namdong-gu
Inchoen
Republic of Korea
Tel.: -8982
E-mail: kkl24@korea.kr

Seung-kyun PARK
Korea meteorological Administration
61 yeouidaebang-ro 16-gil, Dongjak-gu
Seoul
Republic of Korea
Tel.: -2474
E-mail: pskk@korea.kr

Jeonghye PYON
Ministry of Foreign Affairs
60, sajik-ro 8-gil, Jongno-gu
Seoul
Republic of Korea
Tel.: -9880
E-mail: jhpyon17@mofa.go.kr

Do-shick SHIN
Korea Meteorological Administration
61 Yeouidaebang-ro 16-gil, Dongjak-gu
Seoul
Republic of Korea
Tel.: -2492
E-mail: sindo@korea.kr

RUSSIAN FEDERATION

Tatiana DMITRIEVA
Federal Service for Hydrometeorology and
Environmental Monitoring
Novovaganâkovsky 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

ST. KITTS AND NEVIS

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

SAINT LUCIA

Snaliah MAHAL
Department of Sustainable Development
Caribbean Cinemas Building, Choc Estate
Castries
Saint Lucia
Tel.: + 758 451 8746
E-mail: snaliahmahal.sde@gmail.com

Claire Louise FYSON
Climate Analytica
Ritterstr. 3
Berlin
Germany/Saint Lucia
Tel.: +49 15237321109
E-mail: claire.fyson@climateanalytics.org

SAO TOME AND PRINCIPE

João Vicente DOMINGOS VAZ LIMA
National Institute Of Meteorology
BP 30 Sao Tome
Sao Tome
Sao Tome and Principe
Tel.: 00239 2224840
E-mail: jvicente57@hotmail.com

SAUDI ARABIA

Khalid ABULEIF
Ministry of Energy, Industry and Mineral
Resources
P.O.Box 247
Riyadh
Saudi Arabia
Tel.: +966112858886
E-mail: khalid.abuleif@meim.gov.sa

Mona ALATTAS
Ministry of Energy, Industry and Mineral
Resources
MEIM
Daharan
Saudi Arabia
Tel.: + 966507942463
E-mail: Mona.Attas@meim.gov.sa

Yousef ALHAFEDH
Kacst
Riyadh
Riyadh
Saudi Arabia
Tel.: +503243909
E-mail: yhafedh@kacst.edu.sa

Badar ALHARBI
Kacst
Riyadh
Riyadh
Saudi Arabia
Tel.: + 500627740
E-mail: balharbi@kacst.edu.sa

Hamoud ALOTAIBI
Ministry of Energy, Industry and Mineral
Resources
Riyadh
Saudi Arabia
Tel.: +966112858737
E-mail: hamoud.otaibi@meim.gov.sa

Mohammed ALSHAMSI
Kacst
P.O.Box 6080
Riyadh
Saudi Arabia
Tel.: +966565511566
E-mail: mshamsi@kacst.edu.sa

Ayman SHASLY
Ministry of Petroleum and Mineral Resources
P.O.Box 05347
Dhahran
Saudi Arabia
Tel.: +96638733255
E-mail: ayman.shasly@gmail.com

SENEGAL

Mariane Diop KANE
ANACIM
BP 8184 Dakar Yoff Senegal
Dakar
Senegal
Tel.: +221 33865 6081
E-mail: mariane.diopkane@anacim.sn

SERBIA

Goran PEJANOVIC
Republic Hydrometeorological Service of Serbia
Kneza Visislava 66
Belgrade
Serbia
Tel.: + 381648385002
E-mail: goran.pejanovic@hidmet.gov.rs

SEYCHELLES

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

SINGAPORE

Angeline CHUI
Ministry of the Environment and Water Resources
Environment Building 40 Scotts Road #23-00
Singapore 228231
Singapore
Tel.: +6567319459
E-mail: angeline_chui@mewr.gov.sg

Muslim Anshari RAHMAN
National Climate Change Secretariat
55 Newton Road, #11-01 Revenue House,
Singapore 307987
Singapore
Tel.: +65 63549569
E-mail: Muslim_Anshari_RAHMAN@pmo.gov.sg

SLOVAKIA

Lenka MALATINSKA
Ministry of Environment of the Slovak Republic
Nam. L. Stura 1, 812 35
Bratislava
Slovakia
Tel.: +421 2 5956 2589
E-mail: lenka.malatinska@enviro.gov.sk

SOLOMON ISLANDS

Alick HARUHIRU
Solomon Islands Meteorological Service
P.O. Box 21, Solomon Islands
Honiara
Solomon Islands
Tel.: +677 24218
E-mail: a.haruhiru@met.gov.sb

SOUTH AFRICA

Itchell GUINEY
Department of Environmental Affairs
Private Bag X 447
Pretoria 0002
South Africa
Tel.: +27123999180
E-mail: lguiney@environment.gov.za

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

SOUTH SUDAN

Lazaro LUKUAC
Embassy of South Sudan Paris
9 rue Kefler
Paris
France
E-mail: akoiarou@gmail.com

SPAIN

Aida VELASCO MUNGUIRA
Spanish Climate Change Office
calle Alcalá 92
Madrid
Spain
Tel.: +34914361498
E-mail: AVelasco@mapama.es

SRI LANKA

Kehelella H.m.s. PREMALAR
Department of Meteorology
383, Bauddhaloka Mawatha
Colombo 07
Sri Lanka
Tel.: +94112694104
E-mail: spremalar@yahoo.com

SUDAN

Hana HAMADALLA
Ministry of Environment Natural Resources &
Physical Development
Sudan - Khartoum Maknimir Street
Khartoum
Sudan
Tel.: +155185633
E-mail: hanahamadalla2@yahoo.com

SWAZILAND

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

SWEDEN

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

Markku RUMMUKAINEN
SMHI, Swedish meteorological and Hydrological
Institute
Folkborgsvägen 17
Norrköping
Sweden
Tel.: -4958570
E-mail: markku.rummukainen@smhi.se

SWITZERLAND

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

SYRIAN ARAB REPUBLIC

Sonia AFESA
Ministry of Local Administration and Environment
Damascus
Syrian Arab Republic
Tel.: +963112151572
E-mail: soniaafesa@yahoo.com

TAJIKISTAN

Nasimjon RAJABOV
Agency for Hydrometeorology, Committee for
Environmental Protection
47 Shevchenko Street
Dushanbe
Tajikistan
Tel.: +992372276181
E-mail: nasim.rajabov@gmail.com

THAILAND

Natthanich ASVAPOOSITKUL
60/1 Soi Pibunwattana 7, Rama VI Rd., Payathai,
22/14 Harmony Building Soi Pahon Yothin 11,
Pahon Yothin Rd, Payathai
Bangkok
Thailand
Tel.: +662 265 6500 Ext. 6783
E-mail: natthan.asv@gmail.com

THE FORMER YUGOSLAV REPUBLIC OF MACEDONIA

Natasa MARKOVSKA
Macedonian Academy 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

Kokou SABI
Université de Lomé
BP: 1515 FDS-UL
Lomé
Togo
Tel.: +228 22 36 39 01
E-mail: sabikokou@yahoo.fr

TRINIDAD AND TOBAGO

Kenneth KERR
P.O. Box 2141
National Mail Center, Piarco
Trinidad and Tobago
Tel.: +868 669 4392
E-mail: k_kerr45@hotmail.com

TURKEY

Erda CELER
Republic of Turkey General Directorate of Forestry
Bestepe Mahallesi Mahallesi Eskisehir Caddesi
No: 8/1 06560 Yenimahalle
Ankara
Turkey
Tel.: +90312 248 1863
E-mail: erdaceler@ogm.gov.tr

Cigdem TUGAC

Ministry of Environment and Urbanization
Mustafa Kemal Mahallesi Eskisehir Devlet Yolu 9.
km. No: 278 çankaya / Ankara
Ankara
Turkey
Tel.: +905367656450
E-mail: cigdemtugac@gmail.com

Ayşe YILDIRIM COSKUN

TR Ministry of Forestry and Water Affairs
Beştepe Mahallesi Eskisehir Cad. No:71
Bestepe Yenimahalle Ankara
Ankara
Turkey
Tel.: +903122076397
E-mail: aycosgun@ormansu.gov.tr

TURKMENISTAN

Gurbangeldi ALLABERDIYEV
State Committee of Turkmenistan on
Environmental protection and Land Resources
59Azadi Str.
Ashgabat
Turkmenistan
Tel.: +99312 941101
E-mail: gallaberdiyev@yandex.ru

UGANDA

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

UNITED KINGDOM

Jolene COOK
Department for Business, Energy and Industrial
Strategy
1 Victoria Street
London
UK
Tel.: +44 (0)300 068 5589
E-mail: jolene.cook@beis.gov.uk

Cathy JOHNSON

Department for Business, Energy and Industrial
Strategy
1 Victoria Street
London
UK
Tel.: +44 (0)300 068 5584
E-mail: Cathy.Johnson@beis.gov.uk

Julie MACLEAN
Department for Business, Energy and Industrial
Strategy
1 Victoria Street
London
UK
Tel.: +44 300 06 86332
E-mail: julie.maclean@beis.gov.uk

Beth O'CONNELL
Department for Business, Energy and Industrial
Strategy
1 Victoria Street
London
UK
Tel.: +44 300 068 6294
E-mail: beth.oconnell@beis.gov.uk

UKRAINE

Svitlana KRAKOVSKA
Prospekt Nauki, 37
Kyiv 03028
Ukraine
Tel.: +380445258630
E-mail: Krasvit@ua.fm

UNITED REPUBLIC OF TANZANIA

Ladislaus CHANGA
Tanzania Meteorological Agency
P.O. Box 3056
Dar es Salaam
United Republic of Tanzania
Tel.: +255 759349966
E-mail: ladislaus.changa@meteo.go.tz

Agnes KIJAZI
Tanzania Meteorological Agency
Box 3056 Dar es Salaam
Dar es Salaam
United Republic of Tanzania
Tel.: +255 22 2460706
E-mail: agnes.kijazi@meteo.go.tz

UNITED STATES OF AMERICA

Alice ALPERT
US Department of State
2201 C St NW, Suite 2480
Washington
United States of America
E-mail: alperta@state.gov

Trigg TALLEY
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

BOLIVARIAN REPUBLIC OF VENEZUELA

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

YEMEN

Abdulqader ALKHARRAZ
Ministry of Water and Environment
Aden, khormaksar, 22 villa
Aden
Yemen
Tel.: +967777479801
E-mail: k-ecc@hotmail.com

ZAMBIA

Mwepya Ephraim SHITIMA
Ministry of Lands and Natural Resources
BOX 50694, Mulungushi House, Ridgeway
LUSAKA
Zambia
Tel.: +260211252589
E-mail: emshitima40@gmail.com

ZIMBABWE

Elisha Nyikadzino MOYO
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

AFRICAN UNION COMMISSION (AUC)

Bogale AYALNEH
Roosevelt Street
Addis Ababa
Ethiopia
Tel.: +251 11 5182873
E-mail: AyalnehB@africa-union.org

Olayide OLUSHOLA
Roosevelt Street
Addis Ababa
Ethiopia
Tel.: +251 11 518 2867
E-mail: goodness4mi@gmail.com

ASSOCIATION CARRE GEO AND ENVIRONNEMENT

Alexandre Vincent BARRE
56 Rue de MAUBEUGE 75009
Paris
France
Tel.: +33758779973
E-mail: alexandre.barre@theshiftproject.org

Mfondoun Mbamoko IBRAHIM
Carre Geo & Environnement
3rd floor Tchaya Building
Douala
Cameroon
Tel.: +237699740046
E-mail: ibamoko@gmail.com

EUROPEAN UNION (EU)

Anastasios KENTARCHOS
Rue du Champ de Mars, 21
Brussels
Belgium
Tel.: +32 229 86733
E-mail: anastasios.kentarchos@ec.europa.eu

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

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

EUROPEAN CLIMATE FOUNDATION (ECF)

Timothy NUTHALL
Rue de la Science 23
Brussels
Belgium
Tel.: +32 478987479
E-mail: tim.nuthall@europeanclimate.org

Kreider KALEE
1750 Pennsylvania Avenue NW Suite 300
Washington - D.C. 20006
United States of America
Tel.: '+12028879040
E-mail: kkreider@unfoundation.org

Dean MONICA
1750 Pennsylvania Avenue NW Suite 300
Washington DC
United States of America
Tel.: '+12028879040
E-mail: mdean@unfoundation.org
Katharine MANSELL
40 Bermondsey Streety
London
UK
Tel.: +44 7814 455639
E-mail: katharine.mansell@gscnetwork.org

CARE International

Fanny PETITBON
CARE (France)
71 rue Archereau
Paris
France
Tel.: +33153198983
E-mail: petitbon@carefrance.org

CLIMATE AND CLEAN AIR COALITION SECRETARIAT

Valentin FOLTESCU
1 Rue Miollis
Paris
France
Tel.: +33144371998
E-mail: Valentin.Foltescu@unep.org

INTERNATIONAL CIVIL AVIATION ORGANIZATION (ICAO)

Blandine FERRIER
999 Robert-Bourassa Boulevard
Montreal
Canada
Tel.: +1 514 954 8219
E-mail: bferrier@icao.int

FUTURE EARTH

Sebastian WEISSENBERGER
Université du Québec in Montréal
405 Rue Sainte-Catherine Est
Montréal
Canada
Tel.: +1514 250 7708
E-mail: weissenberger.sebastian@uqam.ca

Luisa-francesca SCHALCK
4 Place Jussieu
Paris
France
Tel.: +33760155087
E-mail: luisa.schalck@futureearth.org

Edouard MICHEL
4 Place Jussieu
Paris
France
Tel.: +33615974844
E-mail: edouard.michel@cnrs-dir.fr

Thorsten KIEFER
UPMC, 4 Place Jussieu
Paris
France
Tel.: +33144276135
E-mail: thorsten.kiefer@futureearth.org

Timothee OURBAK
40 rue de TrÃ©vise
Paris
France
Tel.: +33781092301
E-mail: timourbak@yahoo.fr

Kaela SLAVIK
UPMC, 4 Place Jussieu, 75005
Paris
France
Tel.: +33782416641
E-mail: kaela.slavik@futureearth.org

St phanie THIEBAULT
CNRS
3 Rue Michel Ange, 75016
Paris
France
Tel.: +33 6 87 62 50 74
E-mail: stephanie.thiebault@cnrs-dir.fr

Yi-chieh CHAN
Delta Electronics Foundation
No. 39, Section 2, Huandong Road, Shanhua
District
Tainan City, Taiwan
Observer Organization
Tel.: +886 (0)2 87972088#5042
E-mail: YVONNE.CHAN@delta-foundation.org.tw

Chadia WANNOUS
Towards A Safer World Network
Universitetsvagen 10, 114 18
Stockholm
Sweden
Tel.: +46 76 428 4660
E-mail: cwannous@yahoo.com

Ione ANDERSON
Inter-American Institute for Global Change
Research
Av. Italia 6201 Ed. Los Tilos 102 11500
Montevideo
Uruguay
Tel.: +598 095 756 344
E-mail: ianderson@dir.iai.int

GERMANWATCH (GERMANY)

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

INTERNATIONAL COUNCIL FOR SCIENCE (ICSU)

Johannes MENGEL
5 rue Auguste Vacquerie
Paris
France
Tel.: +33 1 45255321
E-mail: johannes.mengel@icsu.org

Katsiaryna PAULAVETS
5 rue Auguste Vacquerie
Paris
France
Tel.: +33 1 45255321
E-mail: katsia.paulavets@icsu.org

Anne-sophie STEVANCE
5 rue Auguste Vacquerie
Paris
France
Tel.: +33 1 45255321
E-mail: anne-sophie.stevance@icsu.org

Denise YOUNG
5 rue Auguste Vacquerie
Paris
France
Tel.: +33 1 45255321
E-mail: denise.young@icsu.org

INTERNATIONAL ENERGY AGENCY (IEA)

Olivia CHEN
31-35 rue de la F d ration
Paris
France
Tel.: +33140576587
E-mail: olivia.chen@iea.org

Caroline LEE
31-35 rue de la Fédération
Paris
France
Tel.: +33 1 40 57 65 33
E-mail: caroline.lee@iea.org

Leonardo PAOLI
31-35 rue de la Fédération
Paris
France
Tel.: +33 1 40 57 05 76
E-mail: Leonardo.PAOLI@iea.org

Andrew PRAG
31-35 rue de la Fédération
Paris
France
Tel.: +33 140 57 67 56
E-mail: andrew.prag@iea.org

Roberta QUADRELLI
31-35 rue de la Fédération
Paris
France
Tel.: +33 1 40 57 66 33
E-mail: roberta.quadrelli@iea.org

IPIECA

Cynthia A. RANGLES
ExxonMobil Research and Engineering
1545 US-22, Clinton, NJ, 08801
Clinton
United States of America
Tel.: +19083352591
E-mail: cynthia.a.randles@exxonmobil.com

ORGANIZATION OF PETROLEUM EXPORTING COUNTRIES (OPEC)

Eleni KADITI
Helferstorferstrasse 17, A-1010
Vienna
Austria
Tel.: 00431211122204
E-mail: ekaditi@opec.org

SILVA/OIKOS

Arthur Charles RIEDACKER
19 Rue Jean Beausire
75004 Paris
France
Tel.: +336 74 367715
E-mail: a.riedacker@wanadoo.fr

Jacopo TATTINI
31-35 rue de la Fédération
Paris
France
Tel.: +33 1 40 57 68 31
E-mail: jacopo.tattini@iea.org

THIRD WORLD NETWORK

Indrajit BOSE
J-17, 2nd Floor, Lajpat Nagar Part 3
New Delhi 110024
India
Tel.: 91 11 4052 1773
E-mail: boseindrajit@gmail.com

UNITED NATIONS EDUCATIONAL, SCIENTIFIC AND CULTURAL ORGANIZATION (UNESCO)

Denis CHANG SENG
7 Place de Fontenoy
75352 Paris
France
E-mail: d.chang-seng@unesco.org

Peter DOGSÄ
7 place de Fontenoy
Paris
France
Tel.: +33 1 45 68 06 20
E-mail: p.dogse@unesco.org

Bernardo ALIAGA
7 Place de Fontenoy
75352 Paris
France
Tel.: +33145680317
E-mail: b.aliaga@unesco.org

Blanca JIMENEZ-CISNEROS
7 place de Fontenoy
Paris
France
Tel.: 33 1 45 68 04 17
E-mail: b.jimenez-cisneros@unesco.org

Magnus MAGNUSSON
7, place de Fontenoy
Paris
France
Tel.: 33 (1) 45681122
E-mail: m.magnusson@unesco.org

Anil MISHRA
7, place de Fontenoy
F-75352 Paris 07 SP
Paris
France
Tel.: +33 (0)1 45 68 23 75
E-mail: a.mishra@unesco.org

Jennifer RUBIS
7 place de Fontenoy
Paris
France
Tel.: 33 1 45 68 11 61
E-mail: j.rubis@unesco.org

Flavia SCHLEGEL
7, place de Fontenoy
Paris
France
Tel.: 33 1 45 68 40 78
E-mail: f.schlegel@unesco.org

**WORLD WILDLIFE FUND INTERNATIONAL
(WWF)**

Nikhil ADVANI
1250 24th St. NW
Washington
United States of America
Tel.: + 12024954130
E-mail: nikhil.advani@wwfus.org

Pierre CANNET
35 rue Baudin
Le Pre Saint Gervais
France
Tel.: +33624967520
E-mail: pcannet@wwf.panda.org

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

Patricia ESPINOSA
Platz der Vereinten Nationen 1
531113 Bonn
Germany
Tel.: +49 228 815 1000
E-mail: secretariat@unfccc.int

Miriam Medel GARCIA
PlaTz der Vereinten Nationen 1, 53113
Bonn
Germany
E-mail: MMedelGarcia@unfccc.int

Iulian Florin VLADU
Plaz der Vereinten Nationen 1, 53113
Bonn
Germany
Tel.: +49 (228)815-1422
E-mail: fvladu@unfccc.int

**UNITED NATIONS ENVIRONMENT PROGRAM
(UNEP)**

Anne LE MORE
Nairobi
Kenya
E-mail: ken.lemore@unep.org

Essai ALTOUNIAN
P.O. Box 30552
Nairobi
Kenya
E-mail: Essai.altounian@un.org

**WORLD METEOROLOGICAL ORGANIZATION
(WMO)**

Petteri TAALAS
7bis Avenue de la Paix
1211 Geneva
Finland
E-mail: wmo@wmo.int

Elena MANAENKOVA
7bis Av. de la Paix
1211 Geneva
Switzerland
Tel.: +4122 730 8300
E-mail: wmo@wmo.int

Luckson NGWIRA
7bis Av. de la Paix
1211 Geneva
Switzerland
E-mail: lngwira@wmo.int

**TECHNICAL SUPPORT UNITS AND TASK
GROUPS**

Anna PIRANI
Head, TSU WGI
Str. Costiera, 11
Treiste
Italy
Tel.: +39 040224 0111
E-mail: anna.pirani@universite-paris-saclay.fr

Yang CHEN
TSU WGI
Chinese Academy of Meteorological Sciences
No. 46, South Avenue Zhong-Guan-Cun Haidian
Beijing
China
Tel.: +86 10 68407874
E-mail: ychen@cma.gov.cn

Sarah CONNORS
TSU WGI
Route de l'Orme des Merisiers
Saint Aubin
France
Tel.: +33679087723
E-mail: sarah.connors@universite-paris-saclay.fr

Eisabeth LONNOY
TSU WGI
Techniparc - Bâtiment Discovery - Route de l'Orme
des Merisiers
Saint Aubin
France
Tel.: + 33 1 60 11 08 58
E-mail: elisabeth.lonnoy@universite-paris-saclay.fr

Robin MATTHEWS
TSU WGI
Route de l'Orme des Merisiers
Saint Aubin
France
Tel.: +33 1 69 33 77 23
E-mail: robin.matthews@universite-paris-saclay.fr

Wilfran MOUFOUMA OKIA
TSU WGI
Route de l'Orme des Merisiers
Saint Aubin
France
Tel.: +33 1 69 33 77 23
E-mail: wilfran.moufouma-okia@universite-paris-saclay.fr

Clotilde PEAN
TSU WGI
Route de l'Orme des Merisiers
Saint Aubin
France
Tel.: +33 1 69 33 77 23
E-mail: clotilde.pean@universite-paris-saclay.fr

Rosalind PIDCOCK
TSU WGI
Route de l'Orme des Merisiers
Saint Aubin
France
Tel.: + 33 1 69 33 77 23
E-mail: rosalind.pidcock@universite-paris-saclay.fr

Tim WATERFIELD
TSU WGI
Techniparc - Bâtiment Discovery - Route de l'Orme
des Merisiers
saint Aubin
France
Tel.: + 33 1 60 11 08 58
E-mail: tim.waterfield@universite-paris-saclay.fr

Harmen GUDDE
TSU WGI
School of Psychology | Faculty of Social Sciences |
University of East Anglia Room 0.27 | Lawrence
Stenhouse Building | Norwich | NR4 7TJ
Norwich
UK
Tel.: + 44 (0) 1603 59 1638
E-mail: h.gudde@uea.ac.uk

Jordan HARIOLD
TSU WGI
University of East Anglia
Norwich
UK
Tel.: +44 (0) 7810 714 607
E-mail: jordan.harold@uea.ac.uk

Maike NICOLAI
TSU WGII
Marktstrasse 3
Bremen
Germany
Tel.: + 4947148312445
E-mail: maike.nicolai@ipcc-wg2.awi.de

Melinda TIGNOR
Head TSU WGII
Alfred-Wegener-Institut, Markstraße 3
Bremen
Germany
Tel.: +49(0)47148312442
E-mail: melinda.tignor@ipcc-wg2.awi.de

Elizabeth HUNTLEY
TSU WGIII
Imperial College, 14 Princes Gardens, London
SW7
London
UK
Tel.: +44 (0) 207594 1057
E-mail: e.huntley@ipcc-wg3.ac.uk

Marion FERRAT
TSU WGIII
Imperial College, 14 Princes Gardens, London
SW7
London
UK
Tel.: +44 7809614357
E-mail: m.ferrat@ipcc-wg3.ac.uk

Andrej KRANJC
Head, TSU TFI
C/o Institute for Global Environmental Strategies
(IGES)
2108-11 Kamiyamaguchi
Hayama, 240-0115
Japan
Tel.: +81 46 855 3754
E-mail: kranjc@iges.or.jp

**TASK GROUP ON DATA AND SCENARIO
SUPPORT FOR IMPACT AND CLIMATE
ANALYSIS (TGICA)**

Timothy CARTER
Finnish Environment Institute
Mechelininkatu 34a
Helsinki
Finland
Tel.: +358407405403
E-mail: tim.carter@ymparisto.fi

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

SECRETARIAT

Abdalah MOKSSIT
Secretary of IPCC
7bis av. de la Paix
Geneva
Switzerland
Tel.: +4122 730 8574
E-mail: amokssit@wmo.int

Kerstin STENDAHL
Deputy Secretary
7bis Av. de la Paix
Geneva 1211
Switzerland
Tel.: 41 22 7308053
E-mail: kstendahl@wmo.int

Jonathan LYNN
7bis Avenue de la Paix
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

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

Nina PEEVA
7bis Av. de la Paix
Geneva
Switzerland
Tel.: +41 22 730 8120
E-mail: npeeva@wmo.int

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

Annie COURTIN
7bis Av. de la Paix
12 Geneva
Switzerland
Tel.: +4122 730 8284
E-mail: acourtin@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
16-gil 61 Yeouidaebangro
Dongjak-gu
Seoul
Republic of Korea
Tel.: +82 2 835 1363
E-mail: solmy1023@gmail.com

Lauren KOELLERMEIER
NOAA
Washington
United States of America
E-mail: lauren.koellermeier@noaa.com

CONFERENCE OFFICER

Elhousseine GOUAINI
WMO
7bis Av. de la Paix
1211 Geneva
Switzerland
Tel.: +4122 730 8060
E-mail: egouaini@wmo.int

ENB Reporting Services

Anju SHARMA
IISD Reporting Services (ENB)
300 East 56th Street, Apt 11D
New York
UK
E-mail: anju@iisd.org

Deborah DAVENPORT
IISD Reporting Services (ENB)
300 East 56th Street Apt 11D
New York
United States of America
E-mail: deborah@iisd.org

Leila MEAD
IISD Reporting Services (ENB)
New York NY 10022
United States of America
Tel.: +7 985 480 6715
E-mail: leila@iisd.org

Michail MOUZOURAKIS
IISD Reporting Services
300 East 56th Street, Apt 11D
New York
United States of America
Tel.: +306976064596
E-mail: mike@iisd.org

Bryndis WOODS
IISD Reporting Services
ENB
300 East 56th Street, Apt 11 D
New York
United States of America
Tel.: +1 973 273 5860
E-mail: bryndis@iisd.org