#### **REPORT OF THE FORTY-EIGHTH SESSION OF THE IPCC**

#### Incheon, Republic of Korea, 1 – 5 October 2018

#### 1. OPENING OF THE SESSION

The Secretary of the IPCC, Mr Abdalah Mokssit, called the 48<sup>th</sup> Session of the Intergovernmental Panel on Climate Change (IPCC-48) to order on Monday 1 October 2018 at 10 a.m. at the Songdo Convensia, Incheon, Republic of Korea.

In his opening speech, Mr Hoesung Lee, Chair of the IPCC, welcomed participants to his home country and expressed his gratitude to the government of the Republic of Korea and the authorities of the City of Incheon for hosting one of the most important meetings in the IPCC's history. He recalled that as part of the decision adopting the Paris Agreement, governments invited the IPCC to prepare a report assessing the impacts of warming of 1.5 degrees and related emissions pathways and that the IPCC at its 43<sup>rd</sup> session had decided to prepare the report as part of the work programme for the Sixth Assessment Cycle, in the context of strengthening the global response to the threat of climate change, sustainable development and efforts to eradicate poverty.

He noted the immense ambition and scale of work and thanked all involved; the Co-Chairs of the Working Groups, the Contributing Authors, Authors and Review Editors, and the Technical Support Units, as well as the National Focal Points, for accomplishing this Herculean task. The Special Report has been prepared under the joint scientific leadership of all three IPCC Working Groups and that is why the line-by-line consideration of the Summary for Policymakers will be conducted by the First Joint Session of Working Groups I, II and III.

He noted the constructive and collaborative spirit that had prevailed to produce a strong, robust and clear Summary for Policymakers while upholding the scientific integrity of the IPCC.

He informed that the financial position of the IPCC continues to improve and thanked the governments who had contributed for their generous and continuing support. He expressed his gratitude for the in-kind contributions of the countries that hosted the scoping meeting and the four lead author meetings for the Special Report on Global Warming of 1.5°C, mentioning Switzerland, Brazil, the United Kingdom, Sweden, and Botswana.

He also thanked the WMO and UN Environment, and the UNFCCC for their support and wished everyone a successful and collegial meeting.

He then asked participants' attention for a video message from His Excellency Moon Jae-in, President of the Republic of Korea.

Mr Moon Jae-in, President of the Republic of Korea extended his heartfelt congratulations to participants on the 48thSession of IPCC. He recognized that extreme weather is now normal and threatening us all, moreover, it disproportionately affects developing countries and the underprivileged. He said that this is a pressing issue that we must address for the sake of environmental justice and democracy, which requires global commitment and action. He noted that Korea plans to increase share of renewables to around 20%. He emphasized that Korea will also implement its commitment to the international community, including emissions reductions and energy transition. In addition Korea will strengthen its international cooperation, and in particular its support for developing countries in their response to climate change. He expressed the hope that the meeting will be a resounding success and remembered as a pleasant and rewarding experience for all of the participants.

Ms Elena Manaenkova, Deputy Secretary-General of the World Meteorological Organization (WMO), on behalf of the Secretary General of WMO expressed gratitude to the government of the Republic of Korea for the generous arrangements. She also introduced Mr Pavel Kabat, the new chief scientist of WMO. She reiterated the decision of the previous Executive Committee of WMO with respect to the IPCC and the fact that WMO member states have been encouraged to maintain and increase their financial support to the IPCC as well as participate actively and build capacity for IPCC activities. She noted that the Secretary General of the United Nations, Mr Antonio Guterrez, has placed great importance to the work of the IPCC and the need to listen to the world's best scientists. Greater ambition is needed and it is getting urgent. Targets are far from being met, as the world is experiencing record heat temperatures, with 2018 being the warmest on record. She concluded by thanking the Co-Chairs of the three Working Groups, the thousands of experts, and the international research teams that have worked to produce the 1.5 report.

Mr Jian Liu, Acting Director, Chief Scientist, United Nations Environment Programme (UN Environment) thanked the government of the Republic of Korea for the generous hosting of the 48<sup>th</sup> Session of IPCC and its Joint Working Group Session and paid tribute to its long-standing leadership role in the global efforts to address climate change. He said that the UN Environment Programme has been proud to escort the IPCC on its journey and will continue to do so. He noted other means of programme support, such as the annual Emissions Gap Report and Adaptation Gap Report and the World Adaptation Science Program, a partnership with IPCC, WMO and UNFCCC, with one of the key targets to support the Working Group II assessment on vulnerability, impact and adaptation. He noted that in addition to climate change, there are two other burning issues, pollution and biodiversity loss. Climate warming and air pollution are twins, with multi-faceted interlinkages. Biodiversity is decreasing at an alarming rate with more than 10000 species disappearing each year. But biodiversity could help both mitigate and adapt to climate change.

Mr Youssef Nassef, Director of Adaptation programme, United Nations Framework Convention on Climate Change (UNFCCC) thanked the IPCC and the government of the Republic of Korea. He said that in the era of implementation of the Paris Agreement, there has never been a more urgent need for science to inform climate action and that with the Special Report on Global Warming of 1.5 degrees Celsius, the IPCC has responded to this need. For the UNFCCC process, this is a particularly *special*, Special Report, given its seminal importance to the evolution of ambition in the climate change negotiations. He noted that the report is eagerly awaited and will feed into the Talanoa Dialogue, and its scientific findings will be disseminated through the SBSTA-IPCC Special Event at COP 24 in Katowice.

He said that the collaboration between the IPCC and UNFCCC is of great value and effective. IPCC has consistently worked to fulfill the scientific needs of the UNFCCC and that continued collaboration is of essence.

H.E. Ms Kim Eunkyung, Minister of Environment of the Republic of Korea welcomed participants and thanked the Chair of the IPCC, the dignitaries and the IPCC Secretariat, Korea Meteorological Administration and Incheon Metropolitan City. She said that since its inception in 1988, the IPCC has made a remarkable contribution to the international community by proving climate change is an undeniable fact. There is no doubt, therefore, the Special Report on Global Warming of 1.5 degrees Celsius will be a stepping stone for us to achieve the long-term goal of the Paris Agreement.

She informed that the Korean government recognizes the urgency to address climate change and is faithfully fulfilling the Paris Agreement to set itself onto a sustainable, low-carbon path. The current energy intensive industry structure is being transformed into a highly energy efficient one that emits less carbon. The Emissions Trading Scheme in Korea allows companies to actively engage in climate action and provides economic incentives for businesses to achieve their reduction targets, stimulating technological innovations for emission reduction. The Korean government is keen to take preemptive adaptation measures to protect vulnerable populations affected by climate change. Korea also remains committed to supporting developing countries in their climate change response. Korea has founded the Global Green Growth Institute and hosts the Green Climate Fund, showing its dedication to the global support for developing countries' sustainable development and climate action. She concluded by expressing the hope that the IPCC and the special report will serve as a strong platform on which the implementation framework could start to be built for the upcoming COP24.

Mr Kim Jong-seok, Administrator of Korea Meteorological Administration in welcoming all to the meeting, noted that this was the second time for Korea to host an IPCC Session after Busan, in 2010. He said that Korea is severely affected by climate change, having recorded the hottest summer since records began in 1973. For the first time in Korean history, the highest temperature in the day exceeded 40 degrees Celsius in some regions. In response to climate change, a close collaboration between government and private sectors is critical, and among others international cooperation is all the more required. He said that as a focal point of the IPCC, the Korea Meteorological Administration has continued to contribute to the IPCC assessment process and as chairing country of the IPCC, will spare no effort to assist in the work.

Mr Park Nam-chun, Mayor of Incheon Metropolitan City wished participants welcome and thanked the dignitaries and participants for making the event a success. He recognized that extreme weather events caused by climate change are already inflicting pain and damage on citizens. He called for disaster preparedness measures to be put in place, as well as fundamental counter-measures to climate change. He emphasized Incheon's strong commitment to being a global hub addressing climate change issues, inviting many international organizations, including the GCF, and supporting their activities.

The Chair of the IPCC introduced the provisional agenda as contained in document IPCC XLVIII/Doc.1. The United Kingdom requested that an update on the current state of the trust fund be provided under agenda item 3, Ad hoc Task Group on Financial Stability, and that a verbal update on the nominations for Task Group on Data Support for Climate Change Assessments (TG Data) be provided under Any Other Business.

With these additions the agenda was adopted.

The 48<sup>th</sup> Session of IPCC (IPCC-48) was then suspended until Friday 5 October 2018 and the gavel passed on to the Co-Chairs of Working Groups I, II and III for the commencement of the First Joint Session of Working Groups I, II and III.

# 2. APPROVAL OF THE DRAFT REPORT OF THE 47<sup>TH</sup> SESSION OF THE IPCC

The draft report of the 47<sup>th</sup> Session of the IPCC as contained in document<u>IPCC-XLVIII/Doc.2</u>, was presented and approved without changes.

# 3. AD HOC TASK GROUP ON FINANCIAL STABILITY

The Chair of the IPCC opened the Agenda Item 3, document <u>IPCC-XLVIII/Doc. 3</u> 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.

Ms Thelma Krug, IPCC Vice Chair and Co-Chair of the ATG-Finance introduced the item and provided an overview of the tasks the Co-Chairs had undertaken on behalf of the group since the 47<sup>th</sup> Session of IPCC (IPCC-47). In April 2018 a questionnaire was sent out to IPCC member governments to solicit views on opportunities for and barriers to voluntary

contributions. Twelve responses (from seven developed countries, three countries with economies in transitions (EITs) and three developing countries) were received. The respondents recognized (a) the value of the IPCC, (b) the importance of outreach and communication activities in increasing awareness and political visibility and (c) the policy relevance of IPCC work. The barriers to funding were listed as budgetary constraints on the part of some member governments and constraints to commit to multi-year contributions. Keen interest was expressed by some member governments to support the IPCC through in-kind contributions.

Mr Youba Sokona, IPCC Vice-Chair and Co-Chair of ATG-Finance provided an overview of the current financial situation of the IPCC Trust Fund which showed:

- Opening balance 1st January 5.310.000 CHF
- Total contributions by 25<sup>th</sup> September 4.431.878 CHF
- Pledges (as at 30th of September, still to come) 5.453.805 CHF
- Approved Budget 7.861.868 CHF
- Total expenditures (as at 19<sup>th</sup> of September) 4.569.555 CHF
- Projected expenditure (as at 31<sup>st</sup> of December) 5.700 000 CHF

He also highlighted the list of member governments and organizations that had provided inkind contributions to the IPCC. He presented two recommendations for the financial stability of the IPCC to the Panel for its consideration and approval; (a) to establish an e-Forum to stimulate more responses from member governments and (b) to commission a study by an external expert on finance to explore in more depth.

Bangladesh, Belgium, Ecuador, Germany, Ghana, Japan, Republic of Korea, Mali, Sweden, Singapore, Sri Lanka, Switzerland and Tanzania took the floor. They thanked the Co-Chairs for their report. Most of the delegations that took the floor supported the recommendation to hire a consultant to do a study on the financial options but felt that it would be necessary to see a Terms of Reference and the costs associated with the proposed consultancy before proceeding. One delegation proposed that instead of hiring a consultant that member governments consider providing staff on secondment to the IPCC Secretariat as is the practice at The Intergovernmental Science-Policy Platform on Biodiversity and Ecosystem Services (IPBES). Another delegation suggested that the study should emphasize which funding options are important.

Japan indicated that it had increased its 2018 contribution by 50%. It added that it currently supports, and will continue to support the Technical Support Unit of the Task Force on National Greenhouse Gas Inventories (TFI TSU) through in-kind contributions. It further added that it will host a plenary session in the future. Bangladesh, Ghana and Sri Lanka expressed their intention to make a contribution to the IPCC in the future. The Republic of Korea indicated that it had been contributing to the IPCC Trust Fund since 2006 and has been making annual contributions of CHF 120,000 since 2009 and has committed to make this annual contribution until 2020. It pledged to make an additional contribution of KRW 500 million (approx. CHF 445,000) annually to support the operation of the Sixth Assessment Report (AR6) Synthesis Report Technical Support Unit for five years, starting in 2019. Singapore pledged to make a contribution towards the AR6 over the next four years (2018-2021). It requested that moving forward, the IPCC pay greater attention to the impacts of climate change to the South Eastern region of Asia and those affecting urbanized island states. Tanzania requested to be recognized as a developing country contributing for the first time as a means to motivating others to make a contribution. Belgium confirmed that it will make a contribution in 2018.

Two delegations supported the creation of an electronic forum especially since both of them had not received the letters sent out by the Co-Chairs of the ATG-Finance group.

One delegation requested updates regarding the Co-Chairs' consultations with the Global Environment Facility (GEF) and the Green Climate Fund (GCF).

Another delegation thanked the Secretariat, under the leadership of the Secretary of the IPCC, for the excellent work done in handling the budget. It recognized that the IPCC, in its 30 years of existence, had managed its finances well and went on to reiterate its invitation to member governments to make a contribution using the UN's indicative scale as a guide. This proposal was not supported by one delegation.

Another delegation requested clarification on the financial situation as it was felt that there was still a funding gap to be covered. Mr Abdalah Mokssit, Secretary of the IPCC, responded by explaining that in view of the actual contributions received, pledges, the opening balance and the projected total expenditures, there was no gap and that the financial situation was positive rather than critical.

The Chair thanked the Panel for a very rich and informed discussion and requested the Secretariat to (a) establish the e-Forum for the ATG-Finance group and (b) develop the Terms of Reference for the consultant in addition to the associated costs to be presented at the 49<sup>th</sup> Session of IPCC (IPCC-49).

# 4. PROGRESS REPORTS

# 4.1. International Conference on Climate Change and Cities

Ms Debra Roberts, Working Group II Co-Chair introduced document <u>IPCC-XLVII/INF. 1, Rev.1</u>. She recalled previous IPCC decisions related to the issue of cities which were taken at the 43<sup>rd</sup> Session of the IPCC (i.e. Decision IPCC/XLIII-6). One of the decisions was to organize an international scientific conference on climate change and cities to stimulate the production of the literature which will be assessed during the preparation of the Special Report on Cities to which will be prepared during the seventh assessment cycle.

The conference which was held in Edmonton, Canada on 5-7 March 2018 was attended by more than 700 participants from 64 countries. It brought together a multidimensional group of representatives from the policy practice and scientific community who reviewed the state of knowledge about cities and climate change science and identified research gaps which were used to construct an international research agenda to stir the development of further literature to underpin the Special Report on Climate Change and Cities. In response to the call which was launched by the Scientific Steering Committee, more than 1000 proposals were received. The selected proposals were organized into seven plenary sessions, fifty-five parallel sessions and seventy-six posters.

The primary outcome of the conference was the global research and action agenda on cities and climate change science, which is presented in Annex A of document <u>IPCC-XLVII/INF. 1,</u> <u>Rev.1</u>. The research agenda is already being used by the policy and practice communities to stimulate engagements with science.

Ms Roberts summarized the recommendations to the IPCC which are presented on Page 7 of IPCC-XLVII/INF. 1, Rev.1. She concluded by conveying the gratitude expressed by all the nine partner organizations to the IPCC for its leading role in bringing all the actors together.

One country observed that although the conference was independent and co-sponsored by the IPCC, it was perceived as an IPCC meeting. They recommended more transparency on the nature of future similar events to ensure that the public understands the role of the IPCC.

The Panel took note of the report.

# 4.2. Expert Meeting on Assessing Climate Information for Regions

Ms Valérie Masson-Delmotte, Co-Chair of Working Group I introduced document <u>IPCC-XLVIII/INF. 5</u>. The Expert meeting was hosted by the International Center for Theoretical Physics (ICTP) in Trieste, Italy from 16 to 18 May 2018. Ms Masson-Delmotte thanked the ICTP for hosting the meeting, the Scientific Steering Committee, and Members of the Working Group I and Working Group II IPCC Bureau for providing scientific guidance and their Technical Support Units for contributing to the success of the meeting.

The meeting was attended by 115 experts from 43 countries. The participants included 10 IPCC Bureau Members, 5 invited experts from the international research community, and 72, 24 and 4 experts representing the Working Group I (WGI), Working Group II (WGII) and Working Group III (WGIII) AR6 author teams, respectively.

The overall goals of the meeting were to explore the need of regional information for the risk assessment framework, to identify existing knowledge gaps in developing regional information and to provide input into AR6 early in the process, and to provide a platform for the interaction of the Sixth Assessment Report (AR6) authors across all three IPCC Working Groups (WGs) to facilitate cross-WG collaboration.

The major outcome of the Expert Meeting was the scope of the AR6 WGI Regional Atlas. Ms Masson-Delmotte presented the rationale and contents of the scope of the Regional Atlas, the latter which is presented on page 3 of <u>IPCC-XLVIII/INF. 5</u>. As a follow up to the meeting, a group to coordinate WGI and WGII collaboration on hazard and risk led by Ms Carolina Vera, WGI Vice-Chair and comprising of AR6 Coordinating Lead Authors (CLAs) from relevant chapters across the two WGs has been established.

The Panel took note of the report.

# 4.3. Expert Meeting on Short-Lived Climate Forcers

Mr Kiyoto Tanabe, Co-Chair of the Task Force on National Greenhouse Gas Inventories (TFI) introduced document <u>IPCC-XLVIII/INF. 4</u>. The Expert Meeting on Short-lived Climate Forces (SLCF), which was jointly organized by WGI and the TFI was hosted by the World Meteorological Organization in Geneva, Switzerland from 28 to 31 May 2018. The aim of the meeting was to discuss issues related to the estimation of emissions and climate effects of SLCF.

The meeting was attended by 80 participants who included scientists from the WGI community and inventory experts from the TFI community, who were selected from nominations solicited from IPCC National Focal Points and IPCC Observer Organizations, IPCC Bureau Members and the Task Force Bureau (TFB). The outcome of the meeting is expected to contribute to the work undertaken in WGI AR6, particularly Chapter 6 and to some extent Chapter 7.

The meeting concluded that high quality SLCF emission inventories and methodologies are necessary to enhance the scientific understanding of their role in climate change as well as to inform national and international climate policies, particularly through the UNFCCC. Internationally agreed and globally applicable methodologies and emission factors for SLCF emission inventories are important and necessary. The meeting recommended that the work of such inventories should commence based on existing methodologies such as those in the European Monitoring and Evaluation Programme/European Environment Agency (EMEP/EEA) Emission Inventory Guidebook for Air Pollutants (EMEP/EEA Guidebook), recognizing that further discussion is needed on the timing, nature, format, and sequencing of such work. The IPCC can play an important role in this work because of the unique position it occupies, and therefore it is considered to be the right organization to fill gaps in existing methodologies and to develop and disseminate an internationally-agreed, globally applicable methodological

guidance based on existing methodologies. This could be achieved in close cooperation and collaboration with other relevant international bodies such as EMEP/EEA, Climate & Clean Air Coalition (CCAC), Arctic Council, the International Civil Aviation Organization (ICAO) and the International Maritime Organization (IMO).

Mr Tanabe summarized the proposed future work of the TFI to commence soon after the adoption of the 2019 Refinement to the 2006 IPCC Guidelines for National Greenhouse Gas Inventories at the 49<sup>th</sup> Session of the IPCC in May 2019, which is presented on page 3 of document <u>IPCC-XLVIII/INF. 4</u>.

Mr Tanabe thanked all those who contributed to the success of the meeting, particularly the Governments of Norway and Switzerland for providing funding for the meeting and the World Meteorological Organization for hosting the meeting.

During the ensuing discussion, Chile, Finland, Japan, Mexico, Norway, Sweden and Switzerland made interventions. Delegates supported the recommendations from the Expert Meeting and suggested that the discussion of the proposals and next steps presented by the TFI Co-Chair could commence at the 48<sup>th</sup> Session of IPCC cognizant of the time limits or the 49<sup>th</sup> Session of the IPCC at the latest. The TFI was requested to develop a thorough document with a full list of options for the implementation of recommendations from the meeting to be discussed at the 49<sup>th</sup> Session. It was further suggested that the development of methodologies and emission factors for SLCF emission factors could commence during the current sixth assessment cycle. One delegate cautioned that the TFI could be overworked if additional tasks are assigned to them before the completion of the 2019 Refinement work.

The Panel took note of report.

# 4.4. 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 <u>IPCC-XLVIII/INF. 3</u>. He informed the Panel that the TFI is currently addressing comments received on the second-order draft of the 2019 Refinement to the 2006 IPCC Guidelines for National Greenhouse Gas Inventories. The second-order draft was prepared following the Third Lead Author Meeting which was held in Cairns, Australia from 10 to 13 April 2018. Mr Calvo-Buendia thanked the government of Australia for hosting the Lead Author Meeting. The next meeting would be hosted by the Food and Agriculture Organization (FAO) in Rome, Italy towards the end of October 2018. The final government review of the Final Draft is scheduled for 28 January to 24 March 2019. The 2019 Refinement will be adopted and approved by the IPCC at the 49<sup>th</sup> Session of the IPCC.

The TFI is working on the development of Tier 2 Worksheets for Agriculture, Forestry and other Land Use (AFOLU) in the IPCC Inventory Software. The TFI is also working with stakeholders to maintain, improve and promote the Emission Factor Database (EFDB). More than 1000 new data from different sources have been added to the EFDB.

The Panel took note of the report.

#### 5. ACCEPTANCE OF THE ACTIONS TAKEN AT THE FIRST JOINT SESSION OF WORKING GROUPS I, II AND III

IPCC-XLVIII/Doc. 5; IPCC-XLVIII/Doc. 6

The IPCC Plenary formally accepted the actions taken at the first Joint Session of Working Groups I, II and III on the IPCC Special Report on Global Warming of 1.5°C. Delegations expressed their appreciation to the Working Group I, II and III Co-Chairs and Authors and to all the others who had made possible this important achievement.

Saudi Arabia noted that as a condition for their acceptance of the Summary for Policymakers (SPM) of the Special Report on Global Warming of 1.5°C, the delegation wished to express its substantial disagreement on the reference to the Nationally Determined Contributions (NDCs) in the Underlying Scientific-Technical Assessment, and SPM Report. The Statement by Saudi Arabia is appended in its entirety in Annex 2 to this report.

Belgium asked whether a final version of the SPM be disseminated. The Secretary recognized that the document is under preparation but that given the time constraints, he asked for delegations' indulgence to accept the document as it has been posted in the paper smart system. He noted that the TSUs are working hard to prepare the final version of this document.

The statement by United States of America is appended as part of Annex 2.

The statement by Egypt is appended as part of Annex 2.

# 6. ORGANIZATION OF THE FUTURE WORK OF THE IPCC IN LIGHT OF THE GLOBAL STOCKTAKE

Mr Eric Brun, Co-Chair of the Task Group on the Organization of the Future Work of the IPCC in Light of the Global Stocktake introduced document <u>IPCC-XLVIII/INF. 2, Corr. 2</u>. He informed the Panel that the Task Group membership stood at 57 members. Governments which were not listed as members of the Task Group but were interested to join, were requested to express their interest by email to ipcc-alignment@wmo.int. The Task Group drafted a work plan which was presented to the Panel for information and comments. Following consultation with Task Group members, the Co-Chairs suggested to the Panel to give the group the short name "TG-FWLGST" which is an acronym for the long name "Task Group on the organization of the future work of the IPCC in light of the global stocktake". Mr Brun reiterated the invitation to member governments and IPCC Observer Organizations in which they were formally invited through a letter sent by the Secretary of the IPCC to identify possible options for organizing and scheduling future work of the IPCC beginning from the seventh assessment cycle. The Task Group will analyze the submissions and report back to the Panel at the 49<sup>th</sup> Session of the IPCC, when the group will have its first face-to-face meeting.

The Panel took note of the report.

# 7. IMPLEMENTATION OF THE IPCC CONFLICT OF INTEREST (COI) POLICY

Ms Thelma Krug, IPCC Vice-Chair, gave a brief verbal report on the activities of the IPCC Conflict of Interest (COI) Committee on behalf of Mr Youba Sokona, Chair of the IPCC Committee. She informed the Panel that the 15<sup>th</sup> COI Committee meeting was held on 29 August 2018. At that meeting the COI Committee reviewed the annual reports of the three Working Group Bureaux and the Task Force Bureau (TFB) in relation to their consideration of conflict of interest issues in accordance with paragraph 11 of the Implementation Procedures of the IPCC COI Policy. The Working Groups and the TFB reported that no conflict of interest was identified.

The Panel took note of the report with appreciation.

# 8. IPCC SCHOLARSHIP PROGRAMME

Ms Ko Barrett, IPCC Vice–Chair and Chair of the IPCC Scholarship Programme Science Board introduced document <u>IPCC-XLVIII/Doc. 4, Rev. 1</u>. She reminded the Panel that the Science Board was requested at the 47<sup>th</sup> Session of the IPCC to use the IPCC Scholarship Fund 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. Discussions regarding the use of the IPCC Scholarship Fund must be undertaken by the Board of Trustees for the Fund, which had not been in existence for a few years. Prerequisite to implementing the request to fund Chapter Scientists is the establishment of a new Board of Trustees.

Ms Barrett presented the names of four eminent individuals from different regions of the world who were identified by the Science Board and had already accepted to serve as Trustees if their appointment was approved by the IPCC. The nominees who were submitted for appointment are:

- 1. H.E. Mr Hironori Hamanaka, Special Research Advisor, Institute for Global Environmental Strategies (IGES);
- 2. Ms Fatima Denton, Director, United Nations University, Institute for Natural Resources in Africa (UNU-INRA), Ghana;
- 3. Mr Jose Goldemberg, FAPESF Sao Paulo Research Foundation, Brazil; and
- 4. H.E. Ms Mary Robinson, President of the Mary Robinson Foundation Climate Justice.

Governments who made interventions during the ensuing discussion included Botswana, Denmark, Eswatini, Ghana, Mali, Tanzania and Zambia. Delegates supported the appointment of the new Board of Trustees. Furthermore, delegates strongly emphasized the need to sustain and enhance the IPCC Scholarship Programme and suggested that the new Board of Trustees in accordance with their Terms of Reference should focus on mobilizing more financial resources for the Scholarship Programme as a matter of priority. One delegate thanked the Chair of the IPCC and Prof. Jean-Pascal van Ypersele, former IPCC Vice-Chair, for the generous donations they made to the IPCC Scholarship Trust Fund. It was requested that a detailed report on the mobilized resources should be presented at the 49<sup>th</sup> Session of the IPCC. . It was pointed out that with Decision IPCC-XLVII-6 the Panel agreed 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. Furthermore it was noted that in this same decision, the Science Board was requested 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. Ms Barret noted that it will be the decision of the Science Board to support post-graduate or post-doctoral scholarships or Chapter Scientists in developing countries. One delegate suggested that the scholarship awards through the partner Prince Albert II of Monaco Foundation and the Cuomo Foundation should be sustained.

Ms Barrett assured the Panel that mobilizing resources for the Scholarship Programme will be one of the major responsibilities to be undertaken by the new Board of Trustees. She noted that owing to the fact that the Board has not existed for about four years, the funds from the IPCC Scholarship Trust Fund have not been used in providing scholarships to developing country students. Instead only funds which are generously provided by the partner organizations were used. The establishment of the Board would enable the IPCC to use the Scholarship Trust Fund to support the tasks which were previously approved by the Panel, primarily funding of PhD students.

Tanzania requested the Chair of the IPCC to approach agencies such as the Global Environment Facility (GEF) and Green Climate Fund (GCF) to solicit additional funds to enhance the Scholarship Programme. Ghana supported by Botswana objected to using the Scholarship Fund to support the participation of Chapter Scientists until a report on resources mobilized by the Board of Trustees is presented to the Panel at the 49<sup>th</sup> Session of the IPCC.

The Chair of the IPCC reiterated that the Science Board prioritized resource mobilization as the major task to be undertaken by the new Board of Trustees.

After the deliberations, the Panel adopted Decision IPCC-XLVIII-4.

#### 9. ANY OTHER BUSINESS

The Secretary of the IPCC informed the Panel that in response to the invitation which was sent to governments and IPCC Observer Organizations to nominate experts to serve as members of the Task Group on Data Support for Climate Change Assessments (TG-Data), 81 nominations were received. Of these nominations, 17 were from the WMO Region I (Africa), 31 from Region II (Asia), 2 from Region III (South America), 6 from Region IV (North and Central America and the Caribbean), 6 from Region V (South-west Pacific), and 19 from Region VI (Europe). IPCC Bureau Members would receive the complete list of nominations and decide on the best way to proceed with the selection process, which should be concluded at the 56<sup>th</sup> Session of the IPCC Bureau.

The Panel took note of the report.

# 10. PLACE AND DATE FOR THE 49<sup>TH</sup> PLENARY SESSION OF THE IPCC

The Secretary informed the Plenary of the generous offer of the Government of Japan to host the 49<sup>th</sup> Session of the IPCC. The representative of the Government of Japan said that they are looking forward to welcoming the participants to IPCC–49 in Kyoto in May 2019. The Panel gratefully accepted the offer to hold the next Panel Session in Kyoto, Japan, in 2019.

#### 11. CLOSING OF THE SESSION

Plenary heard closing statements from the representatives of the delegation from the Republic of Korea and Tanzania. The Secretary noted that an extra day was provided to participants from developing countries to take into account the possibility for a lengthier approval session than planned. The Secretary also thanked the government of the Republic of Korea.

The Chair of the IPCC thanked the Government of the Republic of Korea for hosting a successful 48<sup>th</sup> 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 17.15 pm on Saturday 6 October 2018.

# 48<sup>TH</sup> SESSION OF THE IPCC

1-5 October 2018, Incheon, Republic of Korea

# Decisions adopted by the Panel

# Decision IPCC-XLVIII-1. Adoption of the provisional agenda

Documents: IPCC-XLVIII/Doc.1. and IPCC-XLVIII/Doc.1. Add 1

The Intergovernmental Panel on Climate Change at its 48<sup>th</sup> Session adopts the provisional agenda as contained in document IPCC-XLVIII/Doc.1.

# <u>Decision IPCC-XLVIII-2</u>. Approval of the draft report of the 47<sup>th</sup> Session

Document: IPCC-XLVIII/Doc.2

The Intergovernmental Panel on Climate Change at its 48<sup>th</sup> Session approves the report of the 47<sup>th</sup> Session of the IPCC.

# Decision IPCC-XLVIII-3. Ad Hoc Task Group on Financial Stability

Document: IPCC-XLVIII/Doc. 3

The Intergovernmental Panel on Climate Change at its 48<sup>th</sup> Session:

1. Expresses its gratitude for the work of the Co-Chairs and the members of the Ad Hoc Task Group on Financial Stability of the IPCC.

2. Expresses its gratitude to all member governments who have contributed to the Trust Fund of the IPCC, and notes with appreciation many first time contributors as well as increases in contributions.

3. Requests the IPCC Secretariat to present terms of reference for an external consultant on financial stability of the IPCC and the budgetary implications of such a function at the 49<sup>th</sup> Session of the IPCC.

4. Requests the IPCC Secretariat to explore possibilities with IPCC member governments for secondments of staff with financial expertise to work on matters pertaining to the financial stability of the IPCC.

5. Requests the Ad Hoc Task Group on Financial Stability to use the electronic forum of the task group more actively.

# Decision IPCC-XLVIII-4. IPCC Scholarship Programme

# Document: IPCC-XLVIII/Doc. 4, Rev. 1

The Intergovernmental Panel on Climate Change at its 48<sup>th</sup> Session:

- 1. Expresses its gratitude to the Science Board of the IPCC Scholarship Programme for identifying esteemed individuals to serve on the Board of Trustees of the IPCC Scholarship Programme.
- 2. Appoints the following members to serve on the Board of Trustees of the IPCC Scholarship Programme:
  - H.E. Mr Hironori Hamanaka, Special Research Advisor, Institute for Global Environmental Strategies (IGES);
  - Ms Fatima Denton, Director, United Nations University, Institute for Natural Resources in Africa (UNU-INRA), Ghana;
  - Mr Jose Goldemberg, FAPESF Sao Paulo Research Foundation, Brazil;
  - H.E. Ms Mary Robinson, President of the Mary Robinson Foundation Climate Justice.

# <u>Decision IPCC-XLVIII-5</u>. Acceptance of the actions taken at the First Joint Session of Working Groups I, II and III

# Documents: IPCC-XLVIII/Doc. 5 and IPCC-XLVIII/Doc. 6

The Intergovernmental Panel on Climate Change at its 48<sup>th</sup> Session accepts the actions related to the approval of the Summary for Policymakers (SPM) line by line and the acceptance of the underlying scientific-technical assessment taken at the First Joint Session of Working Groups I, II and III in accordance with Section 4.4 of Appendix A to the Principles Governing IPCC Work.

# ANNEX 2

# Statement by the Arab Republic of EGYPT Closing plenary of the 48<sup>th</sup> session of the IPCC Songdo 5<sup>th</sup> of October 2018

Mr chair,

Let me at the outset thank you, the vice chairs and the secretariat for the tireless efforts to secure a successful meeting of the IPCC here in Songdo,

Also, Egypt would like to reiterate its appreciation to the lead authors, authors and everyone involved in the preparation of the special report on global warming of 1.5c;

Mr chair,

Egypt would like to put on record that it is in our understanding the pathways reflecting the national mitigation ambition under the Paris Agreement, or as referred to as NDCs, are potential pathways that are subject to the conditionalites, criteria and special circumstances identified in the respective communications, in particular those submitted from developing countries; I would like to have this captured in the report of the meeting;

I thank you.

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# Statement by Saudi Arabia

The IPCC at its Forty-Eighth Session Incheon, Republic of Korea, 1 – 5 October 2018

Saudi Arabia statement during the plenary on use of NDCs in the Underlying Scientific-Technical Assessment, and SPM Report on the special report on the global warming of 1.5°C.

As a condition for our acceptance of the IPCC SMP Report on the special report on the global warming of 1.5°C, my delegation wishes to express our substantial disagreement on the reference to the Nationally Determined Contributions (NDCs) in the Underlying Scientific-Technical Assessment, and SPM Report.

The IPCC is providing a scientific basis for governments at all levels. In accordance to the IPCC principles, IPCC products must be policy-relevant and policy neutral and not policy-prescriptive. NDCs and their guidance are currently being negotiated under the United Nations Framework Convention on Climate Change (UNFCCC). Based on this, the outline of this Special Report and its scoping were discussed during the deliberations of the Panel on these issues and the Panel agreed not to include NDCs in both instances because it would undermine our principles.

Therefore, addressing this matter and other issues that lie outside of the mandate in the underlying report is unprecedented and sends a wrong signal regarding the effective functioning of the IPCC.

Mr. Chairman, the mandate must be respected for this body to succeed and continue to keep its credibility and its members' ownership of these reports.

We therefore believe that any section that addresses these references and thus does not conform with the mandate should not be included, such as references in (list of sections attached), *which are annexed to this statement*.

Saudi Arabia requests that this statement be reflected in the report of this session under this agenda item and be appended as an annex in the report of the IPCC's 48th session.

# List of Sections where NDCs referenced in Underlying Scientific-Technical Assessment

TS2: Mitigation pathways compatible with 1.5°C in the context of sustainable development 1.1.3 Sustainable development and a 1.5°C warmer world 1.2.3.3 Impacts at 1.5°C warming associated with different pathways: transience versus stabilization **Cross-Chapter Box 1: Scenarios and Pathways Executive Summary (Line 28-29,41)** 2.1.2 The Use of Scenarios 2.1.3 New scenario information since AR5 **2.3.1.3** Policy assumptions in 1.5°C-consistent pathways 2.3.2.2 Pathways keeping warming below 1.5°C or temporarily overshooting it 2.3.3 Emissions evolution in 1.5°C pathways 2.3.5 Implications of near-term action in 1.5°C-consistent pathways 2.5.1 Policy frameworks and enabling conditions 2.5.2.1 Price of carbon emissions 2.5.2.2 Investments 3.3.4.1 Observed and attributed changes Box 3.1: Sub-Saharan Africa: Changes in Temperature and Precipitation Extremes 4.3.5.7 Climate Services 4.3.7.1 Bioenergy with carbon capture and storage (BECCS) 4.4.1.2 International Governance 4.4.1.4 Interactions and Processes for Multi-Level Governance Cross-Chapter Box 11: Consistency Between Nationally Determined Contributions and 1.5°C Scenarios 4.4.2.2 Monitoring, Reporting, and Review Institutions 4.4.5.1 The Core Challenge: Cost Efficiency, Coordination of Expectations and Distributive Effects Box 4.1: Investment Needs and the Financial Challenge of Limiting Warming to 1.5°C 4.4.5.6 Towards Integrated Policy Packages and Innovative Forms of Financial Cooperation 4.5.3 Implementing Adaptation 4.6 Knowledge Gaps and Key Uncertainties Box 5.2: Challenges and Opportunities of Low-Carbon Pathways in Gulf Cooperative Council (GCC)

Countries

5.5.3.2 Development Trajectories, Sharing of Efforts, and Cooperation

5.5.3.3 Country and Community Strategies and Experiences

Cross-Chapter Box 13: Cities and Urban Transformation

Glossary

# Statement of the United States of America on the IPCC Special Report on Global Warming of 1.5C at the Forty Eighth Session of the Intergovernmental Panel on Climate Change

October 6, 2018

The United States appreciates the hard work of the scientists and experts who authored the IPCC Special Report on Global Warming of 1.5C under considerable time pressure, and we appreciated our engagement with other members of the Panel to finalize this Special Report, by accepting the report from its authors and approving its Summary for Policy Makers.

With respect to acceptance of the Special Report, as provided in the IPCC's procedures, the contents of the authored chapters have not been subject to line-by-line discussion and agreement, and remain the responsibility of the authors. In this context, the United States notes that acceptance of this report by the Panel does not imply endorsement by the United States of the specific findings or underlying contents of the report.

With respect to approval of the Summary for Policy Makers (SPM), we underscore that, as provided in IPCC procedures, approval signifies that the SPM is consistent with the factual material contained in the full report.

Given that the underlying contents of the report are not subject to agreement by members of the panel, approval of the SPM similarly should not be understood as U.S. endorsement of all of the findings and key messages included in the SPM.

With respect to the report as a whole, several sections of the report acknowledge that literature that relates specifically to impacts at 1.5C is more limited than many other aspects of the climate issue, and that much of the literature assessed is quite recent. We observe that there are a number of inherent limitations in the confidence of modeled results of impacts, costs, and related issues at specific future temperature levels, and more so at the particular levels addressed by this report.

We note that parts of the underlying report were substantially revised following the second order draft, including in a number of cases with new literature made available only after the circulation of that draft, and that these revisions were not subject to full government and expert review.

Finally, in light of references to the Paris Agreement in the Summary for Policy Makers, we reiterate that the United States intends to withdraw from the Paris Agreement at the earliest opportunity absent the identification of terms that are better for the American people.

**ANNEX 3** 

# INTERGOVERNMENTAL PANEL ON CLIMATE CHANGE

# 48<sup>TH</sup> SESSION OF THE INTERGOVERNMENTAL PANEL ON CLIMATE CHANGE Incheon, Republic of Korea, 1 – 5 October 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**

Noureddine YASSAA WGI Vice-chair Centre de Développement des Energies Renouvelables Route de Observatoire, BP 62 Bouzaréah Algiers Algeria E-mail: n.yassaa@cder.dz

Carolina VERA WGI Vice-Chair Murillo 1121 5 H CIMA, Buenos Aires Argentina Tel: +54-11-47872693 E-mail: carolina@cima.fcen.uba.ar Mark HOWDEN

WGII Vice-Chair Australian National University Acton Canberra ACT 2601 Australia Tel: +61 2 6125 7266 E-mail: Mark.Howden@anu.edu.au

Thelma KRUG IPCC Vice-Chair Ministry of Science, Technology, Innovation and Communication Ministry of Science Sao Jose dos Campos Brazil Tel: +551 232086442 E-mail: thelma.krug@inpe.br Gregory Mark FLATO WGI Vice-Chair Environment and Climate Change Canada Canadian Centre for Climate Modelling and Analysis, c/o University of Victoria, 3800 Finnerty Road, British Columbia, V8P 5C2 Victoria Canada Tel: +1 250 363-8233 E-mail: greg.flato@canada.ca

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

Ramón 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 Addis Ababa Ethiopia Tel: +251-116620217 E-mail: dkorecha@yahoo.com

Valerie MASSON DELMOTTE WGI Co-Chair LSCE Route de I 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 ÜRGE-VORSATZ WGIII Vice-Chair Central European University Nádor 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 JI. Angkasa I No. 2, Kemayoran Jakarta Pusat 10720 Indonesia Tel: +62 21 4246321 E-mail: e\_aldrian@yahoo.com

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

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

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

Roberto SANCHEZ RODRIGUEZ WGII Vice-Chair El Clegio de la Frontera Norte, Dept. of Urban and Environmental Studies Ignacio Zaragoza 1850 Nueva 21100 Mexicalli, B.C. Mexico Tel: +52164612176 E-mail: s.robsan@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: +2.1252265487e+011 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 0349 Oslo 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

Debra ROBERTS WGII Co-Chair eThekwini Municipality Environmental Planning and Climate Protection,166 KE Masinga (Old Fort) Road Durban South Africa Tel: +27 31 311 7527 E-mail: Debra.Roberts@durban.gov.za

Nagmeldin Goutbi ELHASSAN MAHMOUD WGIII Vice-Chair Higher Council for Environment and Natural Resources P.O. Box: 10488- Khartoum Khartoum Sudan Tel: +249 183 784279 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 IPCC Imperial College, 14 Princes Gardens, London SW7 1NA London UK Tel: +44 7714 330 734 E-mail: j.skea@ipcc-wg3.ac.uk

Pius YANDA WGII Vice-Chair University of Dar-es-Salaam P.O. Box 33453 Dar-es-Salaam United Republic of Tanzania Tel: +255-22-2410707 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

Hamza MERABET Centre de Développement des Energies Renouvelables Route de l'Observatoire B.P. 62, Bouzareah 16340 Algiers Algeria Tel: +21323189051 E-mail: h.merabet@cder.dz

# ANGOLA

Luis CONSTANTINO Ministry of Environment Rua dos Enganos, No. º5 Torre Zimbo 4º Andar Kinaxixi Luanda Angola Tel.: +244 222 010755 E-mail: luisdomingosconstantino@gmail.com

# ARGENTINA

María Eugenia RALLO Secretaría de Ambiente y Desarrollo Sustentable Tucuman 633; 5ºfloor Buenos Aires Argentina Tel: +5.4115239093e+011 E-mail: mrallo@ambiente.gob.ar

# AUSTRALIA

Maggie BAILEY Department of the Environment and Energy John Gorton Building, Kind Edward Terrace Canberra Australia Tel: +61 6159 7161 E-mail: maggie.bailey@environment.gov.au Elizabeth BUCHAN Department of Foreign Affairs and Trade R.G. Casey Building, John McEwen Crescent, BARTON Canberra Australia Tel: +61 2 62612057 E-mail: elizabeth.buchan@dfat.gov.au

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

#### AUSTRIA

Manfred OGRIS Fed. Ministry for Agriculture, Forestry, Environment and Water Stubenbastei 5 A-1010 Wien Austria Tel: +431 71100611741 E-mail: manfredogris@gmx.at

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

# BAHAMAS

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

# BANGLADESH

Dipak Kanti PAUL Bangladesh Climate Change Trust 101 Mohakhali, Dhaka-1212 Dhaka Bangladesh Tel: +88-02-9890959 E-mail: dipakpaul85@yahoo.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

Philippe MARBAIX Plateforme Wallone de GIEC/UCL Place Louis Pasteur 3, (bte L4.03.08) 1348 Louvain-la-Neuve Belgium Tel: +32 (0) 10 47 32 99 E-mail: Philippe.Marbaix@uclouvain.be

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

Martine VANDERSTRAETEN 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

#### BENIN

Kokou Marcellin NAKPON Agence Nationale de la Meteorologie Meteo Benin BP 379 Cotonou Benin Tel: +22994174151 E-mail: marcellin.nakpon@gmail.com

#### BHUTAN

Karma DUPCHU National Center for Hydrology and Meteorology, Royal Government of Bhutan Post Box: 207 Thimphu Bhutan Tel: +975 2 328280 E-mail: kdupchu@nchm.gov.bt

#### BOLIVIA

Karen Yoana UDAETA RODRIGUEZ Ministry of Environment and Water Calle Bolivar 438, Casa Grande del Pueblo Piso 18 La Paz Bolivia Tel: +59173008253 E-mail: apmt.bol@gmail.com

#### **BOSNIA AND HERZEGOVINA**

Radoslav DEKIC University of Banja Luka Faculty of Science Mladena Stojanovica 2 Banja Luka Bosnia and Herzegovina Tel: +38751311178 E-mail: rdekic@yahoo.com

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 2201 E-mail: jselato@gov.bw

#### BRAZIL

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

Thiago De Araujo MENDES Esplanada dos Ministérios SEPN 505 Norte, Bloco "B", Edifício Marie Prendi Cruz Brasília - DF Brasília Brazil Tel: +55612028-2170 E-mail: thiagomendes81@gmail.com

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

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

#### **BURKINA FASO**

Kouka Ernest OUEDRAOGO Agence Nationale de la Météorologie BP 576 Ouagadougou Burkina Faso Tel: +226 50356032/39 E-mail: ernest\_ok@yahoo.com

#### BURUNDI

Maurice SHIRAMANGA Institute Geographique du Burundi AVENUE 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

#### CANADA

Adam BOND Native Women's Association of Canada 1 Nicholas Street, 9th floor, Ontario, K1N 7B7 Ottawa Canada Tel: +1 343-997-1352 E-mail: abond@nwac.ca

Elizabeth BUSH Environment and Climate Change Canada 4905 Dufferin St, 3rd Floor, Office 3S205, Ontario, M3H 5T4 Toronto Canada Tel: +1 416-739-4332 E-mail: elizabeth.bush@canada.ca

Kevin CASH Environment and Climate Change Canada 351, boul. Saint-Joseph, 7th Floor, Office 7100-A, Quebec, K1A 0H3 Gatineau Canada Tel: +1 819-938-5629 E-mail: kevin.cash@canada.ca Leah GEORGE-WILSON Assembly of First Nations 3075 Takaya Drive, British Columbia North Vancouver Canada Tel: +1 778-772-8266 E-mail: Idgeorgewilson@gmail.com

#### Kathy L. HODGSON-SMITH

Metis National Council 4-340 MacLaren Street, Ontario, K2P 0M6 Ottawa Canada Tel: +1 306-304-0066 E-mail: kathy@khslaw.ca

Erin MARCHINGTON Environment and Climate Change Canada 200, boul. Sacré-Coeur, 15th Floor, Office 1505, Quebec, K1A 0H3 Gatineau Canada Tel: +1 819-938-3465 E-mail: erin.marchington@canada.ca

Jaclyn PATERSON Environment and Climate Change Canada 351, boul. Saint-Joseph, 7a, Office 7067A, Quebec, K1A 0H3 Gatineau Canada Tel: +1 819-938-8989 E-mail: jaclyn.paterson@canada.ca

Laird SHUTT Environment and Climate Change Canada 335 River Road, 3rd Floor, Office 353, Ontario, K1V 1C7 Ottawa Canada Tel: +1 613-949-8306 E-mail: laird.shutt@canada.ca

#### CHAD

Hamid ABAKAR SOULEYMANE Ministry of Civil Aviation and of the National Meteorology National Meteorology Agency NDjamena Chad Tel: +23562000047 E-mail: chogara11@yahoo.fr Saeed FAHAD Climate analytics Ritterstr. 3 10969 Berlin Germany Tel: +49-157-36759478 E-mail: fahadiii@yahoo.com

#### CHILE

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

#### **CHINA**

Qingchen CHAO China Meteorological Administration No. 46, Zhongguancun Nandajie Beijing China Tel: +86 10 68406681 E-mail: chaoqc@cma.gov.cn

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

Sha FU National Center for Climate Change Strategy and International Cooperation C605, Guohong Building, Jia No.11, Muxidibeili, Xicheng District, Beijing Beijing China Tel: +86 10 63909253 E-mail: fusha@ncsc.org.cn

Yun GAO China Meteorological Administration 46 Zhongguancun Nandajie Beijing 100081 China Tel: +86 10 58995787 E-mail: gaoyun@cma.gov.cn Xiaofeng GUO Department of Treaty and Law Ministry of Foreign Affairs No.2, Nandajie, Chaoyangmen, Beijing Beijing China Tel: +86 10 65963253 E-mail: guo\_xiaofeng@mfa.gov.cn

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

Xiaodan NA Department of International cooperation, China Meteorological Administration 46 Zhongguancun Nandajie Beijing,100081 China Tel: +86 10 6840666 E-mail: naxd@cma.gov.cn

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

Fei TENG Tsinghua University Room C502, Energy Science Building, Tsinghua University Beijing China Tel: +86 10 62784805 E-mail: tengfei@tsinghua.edu.cn

Wentao WANG The Administrative Center for Chian No.8, Yuyuantan South Road Beijing China Tel: +86 10 58884892 E-mail: wwt6@163.com Huaqing XU National Center for Cliamte Change Strategy and International Cooperation GuoHong Masion, Jia 11, Muxidi North Iane, Xicheng District, Beijing Beijing China Tel: +86 10 63909215 E-mail: xuhg@ncsc.org.cn

Rucong YU China Meteorological Administration 46 Zhongguancun Nandajie Beijing China Tel: +86 10 62172957 E-mail: yrc@cma.gov.cn

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

Ningning ZHANG Chinese Academy of Sciences 52, Sanlihe Road BEIJING China Tel: +86 10 68597580 E-mail: nnzhang@cashq.ac.cn

#### COMOROS

Said DJAMAL-DINE Ex-CEFADER MORONI Comoros Tel: +269 3318984 E-mail: djasaid001@gmail.com

#### CONGO

Gervais Ludovic ITSOUA MADZOUS Ministere du Tourosme et de l'Environnement Direction Générale du Développement Durable, Cité Cardinale Emile Biayenda BRAZZAVILLE Congo Tel: +242055317411 E-mail: imadzous2@gmail.com

#### **COOK ISLANDS**

Arona NGARI Cook Islands Meteorological Service P O Box 127 Avarua Cook Islands Tel: 00 682 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

Bomo Véronique MANOUAN National Meteorological Service FHB INTERNATIONAL AIRPORT 15 BP 990 Abidjan 15 Cote d'Ivoire Tel: +22521278736 E-mail: veromanouan@yahoo.fr

# CROATIA

Kreso PANDZIC Meteorological and Hydrological Service Gric 3 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 Šabatce 17 Praha 4 - Komořany 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

Majken Salomon HESS Danish Meteorological Institute Lyngbyvej 100 Copenhagen Denmark Tel: +45 39157451 E-mail: msh@dmi.dk

# DJIBOUTI

Dini Abdallah OMAR Ministère de l'Habitat, de l'Urbanisme et de l'Environnement Commune de boualos Djibouti Tel: + 253 21 35 00 06 E-mail: dini.omar12@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 Envivornment Madrid 1159 and Andalucia Quito Ecuador Tel.: + 593 9 95602981 E-mail: rosa.gonzalez@ambiente.gob.ec

#### EGYPT

Sherif IBRAHIM Egyptian Environmental Affairs Agency 30 Misr Helwan Elzeraee Road, Maadi Cairo Egypt Tel: +2 02 2524 6162 E-mail: ipcc\_eg.cccu@yahoo.com

Mohamed NASR Ministry of Forgien Affairs cournich elnile, boulaq Cairo Egypt Tel: +20225796334 E-mail: monasr@yahoo.com

#### EL SALVADOR

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

# ESTONIA

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

Annela ANGER-KRAAVI The Ministry of Environment of Estonia Narva mnt 7a Tallinn 15172 Estonia Tel: +447825338465 E-mail: annela.anger-kraavi@envir.ee

#### **ETHIOPIA**

Fetene TESHOME NAtional Meteorological Agency Addis Ababa Ethiopia Tel: +251-116615791 E-mail: fetenekoket@yahoo.com

# FIJI

Deepitika CHAND Climate Change and International Cooperation Level 8, Rolalabalavu House, Victoria Parade Suva Fiji Tel: +679 3221 219 E-mail: deepitika\_c1@hotmail.com

Ravind KUMAR Fiji Meteorological Service Private Mail Bag NAP0351, Nadi Airport Nadi Fiji Tel: +679 6724 888 E-mail: ravin.kumar@yahoo.com.au

Anare LEWENIQILA National Disaster Management Office Level 2, Knolly Street, Knolly Plaza Suva Fiji Tel: +679 331 3400 E-mail: aleweniqila001@planning.gov.fj

# FINLAND

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

Laura SOKKA VTT Technical Research Centre of Finland P.O. Box 1000 FI-02044 VTT Finland Tel: +358 20 722 6173 E-mail: laura.sokka@vtt.fi Heikki TUOMENVIRTA Finnish Meteorological Institute B.O. Box 503 Helsinki Finland Tel: +358295394122 E-mail: heikki.tuomenvirta@fmi.fi

#### FRANCE

Olivier BOUCHER CNRS France Tel: +33 7 67 06 26 52 E-mail: olivier.boucher@ipsl.fr

Eric BRUN MTES DGEC/SCEE/ONERC 92055 LA DEFENSE France Tel: +33 1 40 81 92 94 E-mail: eric.brun-barriere@developpementdurable.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

Timothée OURBAK Agence Française de Développment 5, rue Roland Barthes 75598 PARIS France Tel: + 33 1 53 44 63 56 E-mail: ourbakt@afd.fr

Hélène VAN ROSSUM MEAE 37, quai d'Orsay 75007 Paris France Tel: +33 1 44 49 80 76 E-mail: helene.van-rossum@diplomatie.gouv.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 Hydrometerological 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 1752054916 E-mail: Friedemann.Call@dlr.de

Eric FEE Federal Environment Agency Wörlitzer Platz 1 Dessau-Roßlau Germany Tel: +49 340 2103 3216 E-mail: eric.fee@uba.de Gerrit HANSEN DLR Projectmanagement Agency Heinrich-Konen-Str. 4 53225 Bonn Germany Tel: +49 30 67055 9658 E-mail: gerrit.hansen@dlr.de

Volker KREY International Institute for Applied Systems Analysis (IIASA) Schlossplatz 1 A-2361 Laxenburg Austria Tel: +43-2236-807415 E-mail: krey@iiasa.ac.at

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

Nana Ama BROWNE KLUSTE Ghana Space Science and Technology Institute P.O. Box LG80, Accra Ghana Tel: +2.3324498364e+011 E-mail: amabrowne@gmail.com

#### GRENADA

Leon CHARLES Ministry of Climate Resilience, the Environment, Forestry,Fisheries, Disaster Management and Information Ministerial Complex Tanteen St, George Grenada Tel: +4734403083 Ext.26841 E-mail: caa@spiceisle.com

Claire FYSON Government of Grenada Ministerial Complex Ministry of Climate Resilience, Botanical Gardens St. George Grenada Tel: +14734402708 E-mail: claire.fyson@climateanalytics.org

William HARE Government of Grenada Ministerial Complex, Ministry of Climate Resilience, Botanical Gardens, St. George Grenada Tel: +14734402708 E-mail: bill.hare@climateanalytics.org

Carl-fredrich SCHLEUSSNER Government of Grenada Ministry of Climate Resilience, Botanical Gardens St. George Grenada Tel: +14734402708 E-mail: carl.schleussner@climateanalytics.org

Aria ST. LOUIS Ministry of Climate Resilience, the Environment, Forestry,Fisheries, Disaster Management and Information Ministerial Complex Tanteen St, George Grenada Tel: +4734403083 Ext.26841 E-mail: ariastlouis1@gmail.com

#### **GUINEA**

Boubacar Madina DIALLO Direction National de la Meteorologie de Guinee Commune Matoto Cite de L'air 0030 CONAKRY Guinea Tel: +224628223339 E-mail: madina\_pita@yahoo.fr

# **GUINEA-BISSAU**

Joao LONA TCHEDNA National Institute of Meteorology Avenida do Brasil, Cx.P. Nº 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, Guyana Georgetown Guyana Tel: +5922224180 E-mail: paulette.bynoe@uog.edu.gy

# HAITI

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

# HUNGARY

Bernadett BENKó Ministry for Innovation and Technology H-1011 Budapest, Fő utca 44-50. Budapest Hungary Tel: +36-1-896-6902 E-mail: bernadett.benko@itm.gov.hu András HUSZÁR Ministry for Innovation and Technology 1011 Budapest, Fő utca 44-50. HUNGARY Budapest Hungary Tel: +3617954125 E-mail: andras.huszar@itm.gov.hu

#### INDIA

Jaivardhan RAMANLAL BHATT 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

Thiagarajan JAYARAMAN Tata Institute of Scoical Sciences DEONAR MUMBAI India Tel: +91-22-25525000 E-mail: tjayaraman@tiss.edu

Ajay RAGHAVA Ministry of Environment, Forest and Climate Change Pandit Deen Dayal Upadhyay Antyoday Bhawan, CGO Complex New Delhi India Tel: +91 11 24362735 E-mail: ajay.raghava@nic.in

Kanduri Jayaram RAMESH India Meteorological Department Mausam Bhawan, Lodhi Road New Delhi India Tel: +91-11-24611842 E-mail: kj.ramesh@imd.gov.in

Yashodara UDUPA Indian Institute for Human Settlements 197/36, 2nd Main Road, Sadashivanagar Bangalore India Tel: +919916140395 E-mail: yudupa@iihs.ac.in

#### INDONESIA

Wisnu MURTI Ministry of Environment and Forestry Indonesia Manggala Wanabakti Building, Block VII, 12th Floor, Jalan Gatot Subroto Jakarta Indonesia Tel: +62 21 5746724 E-mail: wisnumrt@yahoo.com

#### IRAN

Ebrahim MIRZAEI Islamic Republic of Iran Meteorological Organization (IRIMO) Mehrabad Airport, P.O. Box 13185-461 Tehran Iran Tel: +9821 66070038 E-mail: emirzaei@gmail.com

#### IRAQ

Sahar Hussein JASIM Ministry of Health and Environment Climate change center Arassat Al-Hidya Baghdad Iraq Tel: +964-7729363015 E-mail: saharhussain84@gmail.com

#### IRELAND

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

# ITALY

Eleonora COGO CMCC Via Franeschini 14 Bologna Italy Tel: +390510301622 E-mail: eleonora.cogo@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

Satoshi CHIJIMATSU Japan Meteorological Agency (JMA) 1-3-4 Otemachi, Chiyoda-ku Tokyo 100-8123 Japan Tel: +81 3 3212 8341 E-mail: chijimatsu@met.kishou.go.jp

Tetsuya DEGUCHI Research Institute of Innovative Technology for the Earth (RITE) 9-2 Kizugawadai, Kizugawa-shi Kyoto, 619-0292, Japan Japan Tel: +81 774 75 2302 E-mail: deguchi@rite.or.jp

Shoko FALVO (SHIMIZU) Research Institute of Innovative Technology for the Earth (RITE) 9-2 Kizugawadai, Kizugawa-shi, Kyoto 619-0292, Kyoto Japan Tel: +81 774 75 2302 E-mail: shoko@aejapan.com

Yuko YASUTAKE Research Institute of Innovative Technology for the Earth (RITE) 9-2 Kizugawadai, Kizugawa-shi, Kyoto 619-0292, Kyoto Japan Tel: +81 774 75 2302 E-mail: yuko@aejapan.com

Toshifumi FUJIMOTO Japan Meteorological Agency (JMA) 1-3-4 Otemachi, Chiyoda-ku Tokyo 100-8122 Japan Tel: +81 3 3212 8341 E-mail: fujimoto@met.kishou.go.jp Kazuhiro HAMA Ministry of the Environment (MOE) 1-2-2, Kasumigaseki, Chiyoda-ku Tokyo 100-8975 Japan Tel: +81 3 5521 8247 E-mail: KAZUHIRO\_HAMA@env.go.jp

Noriko HASE Ministry of the Environment (MOE) 1-2-2, Kasumigaseki, Chiyoda-ku Tokyo 100-8975 Japan Tel: +81 3 5521 8247 E-mail: NORIKO\_HASE@env.go.jp

Atsushi HORIE City of Kyoto Kyoto Asahikaikan 5F, Kawaramachi-Sanjo, Nakagyo-ku Kyoto 604-800 Japan Tel: +81 75 222 4555 E-mail: hoqbb006@city.kyoto.lg.jp

Osamu ISHIUCHI Forestry Agency, Ministry of Agriculture, Forestry and Fisheries (MAFF) 1-2-1 Kasumigaseki, Chiyoda-ku Tokyo 100-8950 Japan Tel: +81 3 3502 8240 E-mail: osamu\_ishiuchi130@maff.go.jp

Masumi ITO Ministry of Economy, Trade and Industry (METI) 1-3-1 Kasumigaseki Chiyoda-ku Tokyo 100-8901 Japan Tel: +81 3 3501 7830 E-mail: ito-masumi@meti.go.jp

Katsutoshi ITO Ministry of the Environment (MOE) 1-2-2, Kasumigaseki, Chiyoda-ku Tokyo 100-8975, Japan Japan Tel: +81 3 5521 8356 E-mail: KATSUTOSHI\_ITO@env.go.jp Ayaka KADOTANI Research Institute of Innovative Technology for the Earth (RITE) 9-2 Kizugawadai, Kizugawa-shl Kyoto 619-0292, Japan Japan Tel: +81 774 75 2302 E-mail: ayaka.kadotani@gmail.com

Michio KAWAMIYA Japan Agency for Marine-earth Science and Technology (JAMSTEC) 3173-25, Showamachi, Kanazawa ward, Yokohama 236-0001 Yokohama Japan Tel: +81 45 778 5613 E-mail: kawamiya@jamstec.go.jp

Yumi KOBAYASHI Research Institute of Innovative Technology for the Earth (RITE) 9-2 Kizugawadai, Kizugawa-shi Kyoto 619-0292 Japan Tel: +81 774 75 2302 E-mail: kobayashi@rite.or.jp

Anne MCDONALD Global Environmental Forum 8th Floor, Kuramae Intelligent Bldg., 3-17-3 Kuramae, Taito-ku Tokyo 111-0051 Japan Tel: +81 3 5825 9735 E-mail: amcdonald9535@gmail.com

Izumi MORI Ministry of Education, Culture, Sports, Science and Technology (MEXT) 3-2-2 Kasumigaseki, Chiyoda-ku Tokyo 100-8959 Japan Tel: +81 3 6734 4181 E-mail: imori@mext.go.jp

Akiko NAGANO Ministry of Agriculture, Forestry and Fisheries 1-2-1 Kasumigaseki, Chiyoda-ku Tokyo 100-8950 Japan Tel: +81 3 6744 2473 E-mail: akiko\_nagano720@maff.go.jp Hiroko NAKAMURA Global Environmental Forum 8th Floor, Kuramae Intelligent Bldg., 3-17-3 Kuramae, Taito-ku Tokyo 111-0051 Japan Tel: +81 3 5825 9735 E-mail: hiroco0517@gmail.com

Michihiro OI Ministry of the Environment (MOE) 1-2-2, Kasumigaseki, Chiyoda-ku Tokyo 100-8975 Japan Tel: +81 3 5521 8247 E-mail: MICHIHIRO\_OI@env.go.jp

Kiichi SHIRAKAWA Japan Weather Association (JWA) Sunshine 60 Bldg. 55F, 3-1-1 Higashi-Ikebukuro, Toshima-ku Tokyo 170-6055 Japan Tel: +81 3 5958 8152 E-mail: shirakawa@jwa.or.jp

Yutaro SHOGAKI Mitsubishi UFJ Research and Consulting Co., Ltd. 5-11-2, Toranomon, Minato-ku Tokyo 105-8501, Japan Tel: +81 3 6733 1023 E-mail: y.shogaki@murc.jp

Naoko SUZUKI Ministry of the Environment (MOE) 1-2-2, Kasumigaseki, Chiyoda-ku Tokyo 100-8975 Japan Tel: +81 3 5521 8247 E-mail: NAOKO\_SUZUKI@env.go.jp

Daisuke TAKAYANAGI Ministry of Economy, Trade and Industry (METI) 1-3-1 Kasumigaseki Chiyoda-ku Tokyo 100-8901 Japan Tel: +81 3 3501 7830 E-mail: takayanagi-daisuke@meti.go.jp Junichi TSUTSUI Central Research Institute of Electric Power Industry (CRIEPI) 1646 Abiko, Abiko-shi Chiba 270-1194 Japan Tel: +81 4 7182 1181 E-mail: tsutsui@criepi.denken.or.jp

Kenichi WADA Research Institute of Innovative Technology for the Earth (RITE) 9-2 Kizugawadai, Kizugawa-shi Kyoto 619-0292 Japan Tel: +81 774 75 2304 E-mail: wada@rite.or.jp

Moeko YOSHITOMI Ministry of the Environment (MOE) 1-2-2, Kasumigaseki, Chiyoda-ku Tokyo 100-8975 Japan Tel: +81 3 5521 8247 E-mail: MOEKO\_YOSHITOMI@env.go.jp

#### KENYA

Patricia A. NYINGURO Kenya Meteorological Department BOX 30259-00100 NAIROBI Kenya Tel: +2.5420386788e+011 E-mail: pnyinguro@gmail.com

#### **KYRGYZSTAN**

Baglan SALYKMAMBETOVA State Agency on Environment Protection and Forestry 142 Gorkii str. Bishkek Kyrgyzstan Tel: +996 312 54 60 67 E-mail: Min-eco@elcat.kg

#### LAO PEOPLE'S DEMOCRATIC REPUBLIC

Amphayvanh OUDOMDETH Lao People's Democratic Republic Department of Climate Change, MONRE P.O.Box: 7864 Vientiane Lao People's Democratic Republic Tel: +856 21 265017 E-mail: amphayvanh.oudomdeth@gmail.com

Sangkhane THIANGTHAMMAVONG Lao People's Democratic Republic Department of Climate Change, MONRE Nahaidiew Rd, Ban Sisavath, Vientiane Lao People's Democratic Republic Tel: +85621 265017 E-mail: th.khan@yahoo.com

#### LESOTHO

Mabafokeng MAHAHABISA Lesotho Meteorological Services P.O BOX 14515 Maseru Lesotho Tel: +266 22317250 E-mail: mahahabisa@gmail.com

Letuma MOSUOE Lesotho Meteorological Services P.O Box 14515, Maseru 100 Maseru Lesotho Tel: +266 22317250 E-mail: emletuma35@gmail.com

#### LIBYA

Abdelfatah SHIBANI National Meteorological Centre (NMC) Eswani - ELKrimia, 17 km Tripoli Libya Tel: +218215623082 E-mail: afshibani@gmail.com

#### LUXEMBOURG

Christophe DEISSENBERG Aix-Marseille University 351 route de Longwy L-1941 Luxembourg Luxembourg Tel: +352621548592 E-mail: ch.deissenberg@gmail.com

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

#### MALDIVES

Mareer Mohamed HUSNY Ministry of Environment and Energy Ameenee Magu Male Maldives Tel: +960 7924244 E-mail: mareer.husny@environment.gov.mv

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

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

#### MALI

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

#### MARSHALL ISLANDS

Kumar MAHENDRA Ministry of Natural Resources and Commerce PO Box 78 Majuro Marshall Islands Tel: +692 625 4020/3206 E-mail: kumar.mahend@gmail.com

Reginald WHITE Weather Service office Long Island Rd. Rairok, Po Box 78 Majuro Marshall Islands Tel: +692 247 4107 E-mail: reginald.white@noaa.gov

#### MAURITIUS

Premchand GOOLAUP Mauritius Meteorological Services St Paul Road Vacoas Mauritius Tel: +2306861031 E-mail: meteo@intnet.mu

# MEXICO

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

# MONGOLIA

Saruul DOLGORSUREN ECF CCPIU Ministry of Environment and Tourism Suite 22-7G, Amar street,8th khoroo Ulaanbaatar Mongolia Tel: +976 70000743 E-mail: saruulsh@gmail.com Batjargal ZAMBA Ministry of Environment and Tourism (MET) Sukhbaatar duureg, Juulchnii gudamj 5, Baga toiruu 3, BOMT, room 203 Ulaanbaatar Mongolia Tel: +976 77329876 E-mail: z\_batjargal@yahoo.com

#### MONTENEGRO

Biljana KILIBARDA Institute of hydrometeorology and seismology IV Proleterske 19 Podgorica Montenegro Tel: +38220655183 E-mail: biljana.kilibarda@meteo.co.me

#### MYANMAR

Khin Cho Cho SHEIN Department of Meteorology and Hydrology Office No.(5), Ministry of Transport Nay Pyi Taw Myanmar Tel: +95 67411528 E-mail: khinchochoshein@gmail.com

# NEPAL

Saroj GYAWALI Global Partnership for Sustainable Development Maitrinagar, 02 Kirtipur Kathmandu Nepal Tel: +97715154074 E-mail: s.gyawali@gpsd.org.np

Ram Prasad LAMSAL Ministry of Forests and Environment Singhdurbar Kathmandu Nepal Tel: +977-1-4211567 E-mail: rplamsal1@yahoo.com

Krishna Prasad OLI National Planning Commission Singh Durbar Kathmandu Nepal Tel: +977-1-4200523 E-mail: krishnaoli52@gmail.com Bishwa Nath OLI Ministry of Forests and Environment Singha Darbar Kathmandu Nepal Tel: +977 1 4211567 E-mail: bn\_oli@yahoo.com

Sharada SEN Janahit Gramin Sewa Samiti Chautara Sangachokgadhi Municipality- 5, Sindhupalchok Chautara Nepal Tel: +977 11 620435 E-mail: janahitgramin@gmail.com

#### NETHERLANDS

Marcel BERK Ministry of Economic Affairs and Climate Policy Beznidenhoutseweg 73 Den Haag Netherlands Tel: +31 6 5259 5453 E-mail: M.M.Berk@minez.nl

Robertus GROENLAND KNMI Utrechtseweg 297 3731 GA De Bilt Netherlands Tel: +31302206541 E-mail: rob.groenland@knmi.nl

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

Bartholomeus STRENGERS PBL postbus 303, 3720 ah Bilthoven Netherlands Tel: +31 650614657 E-mail: bart.strengers@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

So Young PARK Embassy of Nicaragua 23 Fl Dana Building, Jung-gu, Seoul Republic of Korea/Nicaragua Tel: +10 3767 7484 E-mail: nicaseoul@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

Henrik GADE Norwegian Environment Agency Grensesvingen 7 Oslo Norway Tel: +4741502072 E-mail: henrik.gade@miljodir.no

Gro HARAM Norwegian Environment Agency Grensesvingen 7 Oslo Norway Tel: +4797968321 E-mail: gro.haram@miljodir.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 0661 Oslo Norway Tel: +4793431034 E-mail: okk@miljodir.no

Vigdis VESTRENG Norwegian Environment Agency Grensesvingen 7 Oslo Norway Tel: +4790899054 E-mail: vigdis.vestreng@miljodir.no

#### PAKISTAN

Omar MUHAMMAD Ministry of Foreign Affairs Constitution Avenue Islamabad Pakistan Tel: +92-51-9206149 E-mail: omar.mansha1@gmail.com

#### PANAMA

Yamil SANCHEZ Ministry of Environment 804 Bldg. Broberg St. Albrook Panama City Panama Tel: +507 500-0823 E-mail: ydsanchez@miambiente.gob.pa

#### PERU

Silke CAMPOS Foreign Affairs Ministry Lampa Street 545 Lima Peru Tel: +51 01 2043148 E-mail: scamposc@rree.gob.pe

Kory Ekatherine DEL CARPIO RIVERA Ministry of Foreign Affairs Jiron Lampa 548 Lima Peru Tel: +1049531704 E-mail: korydelcarpio@gmail.com

## POLAND

Jakub GIBEK Ministry of the Environment Wawelska St. 52/54 Warszawa Poland Tel: +48223692708 E-mail: jakub.gibek@mos.gov.pl

## PORTUGAL

José Álvaro SILVA IPMA Rua C do Aeroporto de Lisboa, 1749-077 Lisbon Portugal Tel: +3.51218447e+011 E-mail: alvaro.silva@ipma.pt

# QATAR

Mohmoud AL-MARWARI Ministry of Municipility and Environment 9 Arabee St. Wakra Doha Qatar Tel: +974 55888373 E-mail: mamarwani@mme.gov.qa

Ahmad Faleh AL-REMITHI Ministry of Minsubality and Environment Al Rayyan Doha Qatar Tel: +97455500182 E-mail: afremithi@mme.gov.qa

# **REPUBLIC OF KOREA**

Kyeongah AHN Ministry of Environment #501, Gwanghwamun Officia, Saemunan-ro 92, Jongno-gu Seoul Republic of Korea Tel: +82-2-6943-1345 E-mail: kayahn20@gmail.com

Aram BAEK Korea meteorological Administration 61 yeouidaebang-ro 16-gil, Dongjak-gu Seoul Republic of Korea Tel: +82-2-2181-0401 E-mail: arbaek@korea.kr

Younghwa BYUN National Institute of Meteorological Sciences 33 Seohobuk-ro Seogwipo-si Jeju-do 63568 Jeju Republic of Korea Tel: +82-64-780-6652 E-mail: yhbyun@korea.kr Taesung CHEONG National Disaster Management Institute 365 Jonggaro, Junggu Ulsan Republic of Korea Tel: +82-52-928-8180 E-mail: bangjaeman@korea.kr

Kyung CHIN Korea Polar Research Institute 26 Songdomirae-ro, Yeonsu-gu Incheon Republic of Korea Tel: +82-32-760-5407 E-mail: jin@kopri.re.kr

Juntae CHOI National Institute of Meteorological Sciences 33 Seohobuk-ro Seogwipo-si Jeju-do 63568 Jeju Republic of Korea Tel: +82-64-780-6654 E-mail: cjt@kma.go.kr

Kyung-yoon CHUNG Korea Institute of Science and Technology 5 Hwarang-ro 14-gil, Seongbuk-gu Seoul Republic of Korea Tel: +82-2-958-5225 E-mail: kychung@kist.re.kr

Jeongwhun KANG Ministry of Strategy and Finance 477 Galmae-ro Sejong Republic of Korea Tel: +82-44-215-8757 E-mail: jhkang11@korea.kr

Hyo-sung KANG Ministry of Foreign Affairs 60 Sajik-ro 8-gil, Jonggo-gu, Seoul 03172 Seoul Republic of Korea Tel: +82-2-2100-7859 E-mail: hskang70@mofa.go.kr Hyung-ju KIM Green Technology Center 17th fl. Namsan Square Bldg., 173 Toegye-ro, Hung-gu Seoul Republic of Korea Tel: +82-2-3393-3923 E-mail: hjkim@gtck.re.kr

Hyungjin KIM APEC Climate Center 12 Centum 7-ro, Haeundae-gu Busan Republic of Korea Tel: +82-51-745-3954 E-mail: hyungjin@apcc21.org

Hana KIM Corporate Course for Climate Change, SejongUniversity Jiphyun Hall 218,209, Neungdong-ro, Gwangjin-Gu, Seoul 05006, Republicof Korea Seoul Republic of Korea Tel: +82-2-6935-2558 E-mail: hanakim0729@sejong.ac.kr

Jongseok KIM Korea Meteorological Administration 61, 16-gil Yeouidaebang-ro, Dongjak-gu Seoul Republic of Korea Tel: +82-2-2181-0201 E-mail: kimcol@korea.kr

Raehyun KIM National Institute of Forest Science 57 Hoegiri, Dongdaemun-gu Seoul Republic of Korea Tel: +82-2-961-2871 E-mail: rhkim@korea.kr

Se-won KIM Korea Meteorological Administration 61 16-gil yeouidaebang-ro Dongjak-gu Seoul Republic of Korea Tel: +82-2-2181-0391 E-mail: ksw@kma.go.kr Youngmi KIM National Institute of Meteorological Sciences 33 Seohobuk-ro Seogwipo-si Jeju-do 63568 Jeju Republic of Korea Tel: +82-64-780-6658 E-mail: kymi19@korea.kr

Jonghun LEE Ministry of Strategy and Finance 477 Galmae-ro Sejong Republic of Korea Tel: +82-44-215-8750 E-mail: jhl5031@korea.kr

Sukhui LEE Korea Marine Environment Management Corporation Songpadae-ro 28-gil, Songpa-gu Seoul Republic of Korea Tel: +82-2-3498-8742 E-mail: suki@koem.or.kr

Donggil LEE Greenhouse Gas Inventory and Research Center of Korea #501, Gwanghwamun Officia, 92 Saemunan-ro, Jongno-gu Seoul Republic of Korea Tel: +82-2-6943-1385 E-mail: starlitgil@korea.kr

Sungho LEE Incheon Metropolitan City 29 Jeonggak-ro Namdong-gu Inchoen Republic of Korea Tel: +82-32-440-8592 E-mail: klkl24@korea.kr

Jonghwan LIM National Institute of Forest Science 57 Hoegiro, Dongdaemun-gu Seoul Republic of Korea Tel: +82-2-961-2601 E-mail: limjh@korea.kr Soojeong MYEONG Korea Environment Institute #1027 Bldg B, 370 Sicheong-daero Sejong Republic of Korea Tel: +82-44-415-7649 E-mail: sjmyeong@kei.re.kr

Dong-woon NOH Climate Change Research Division,Korea Energy Economics Institute 405-11 Jongga-Ro Jung-Gu Ulsan 44543, Republic of Korea Ulsan Republic of Korea Tel: +82-52-714-2282 E-mail: dwroh@keei.re.kr

Jingyu OH Korea Energy Economics Institute 405-11 Jongga-ro, Jung-gu Ulsan Republic of Korea Tel: +82-52-714-2271 E-mail: jgoh@keei.re.kr

Seung-kyun PARK Korea meteorological Administration 61 yeouidaebang-ro 16-gil, Dongjak-gu Seoul Republic of Korea Tel: +82-2-2181-0373 E-mail: pskk@korea.kr

Go Eun PARK Korea Forest Service, National Institute of Forest Science, Forest and Climate Change Center 57 Hoegiro, Dongdaemun-Gu Seoul Republic of Korea Tel: +82-2-961-2623 E-mail: goeunpark@korea.kr

Jieun PARK Korea Meteorological Administration 61 yeouidaebang-ro 16-gil, Dongjak-gu Seoul Republic of Korea Tel: +82-2-2181-0403 E-mail: jieuni@korea.kr Jeonghye PYON Ministry of Foreign Affairs 60, sajik-ro 8-gil, Jongno-gu Seoul Republic of Korea Tel: +82-2-2100-7860 E-mail: jhpyon17@mofa.go.kr

Myungchul SEO National institute of Crop Sciences 181 Hyeoksin-ro, Iseo-myeon, Wanju-gun Jeollabuk-do Republic of Korea Tel: +82-63-238-5281 E-mail: mcseo@korea.kr

Kyomoon SHIM National Institute of Agricultural Sciences 166 Nongsaengmyeong-ro, Iseo-myeon, Wanjugun Jeollabuk-do Republic of Korea Tel: +82-63-238-2518 E-mail: kmshim@korea.kr

Bumsuk SON Green Technology Center 17th fl. Namsan Square Bldg., 173 Toegye-ro, Hung-gu Seoul Republic of Korea Tel: +82-2-3393-3944 E-mail: sonbs@gtck.re.kr

Yeonchul YOO Ministry of Foreign Affairs 60 Sajik-ro 8-gil, Jonggo-gu, Seoul 03172 Seoul Republic of Korea Tel: +82-2-2100-7780 E-mail: ycyoo87@mofa.go.kr

#### ROMANIA

Sergiu CRUCEANU Ministry of Environment Libertatii Blvd., sector 5, 040129 Bucharest, Romania Bucharest Romania Tel: +40214089542 E-mail: sergiu.cruceanu@mmediu.ro Elena MATEESCU National Meteorological Administration 97 Bucuresti-Ploiesti Av., 013686 Bucharest, Romania Bucharest Romania Tel: +40213163116 E-mail: elena.mateescu@meteoromania.ro

## **RUSSIAN FEDERATION**

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

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

## 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

Michiel SCHAEFFER Climate Analytics Ritterstrasse 3 Berlin Germany Tel: +4.903025923e+012 E-mail: michiel.schaeffer@climateanalytics.org

Rueanna HAYNES Climate Analytics 31 Imrie Street San Fernando Trinidad and Tobago Tel: +19174966209 E-mail: rueanna.haynes@climateanalytics.org

## SAINT LUCIA

Benise JOSEPH Department of Infrastructure, Ports, Energy and labour Union Castries Saint Lucia Tel: +1 758 724 9907 E-mail: benise.joseph@gmail.com

#### SAO TOME AND PRINCIPE

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

#### SAUDI ARABIA

Khalid ABULEIF Ministry of 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: +9.6650794246e+011 E-mail: Mona.Attas@meim.gov.sa

Abdelrahman ALGWAIZ Ministry of Energy, Industry and Mineral Resources P.O. Box. 10281 Dhahran 31311 Saudi Arabia Tel: +966138735462 E-mail: a.m.gwaiz@gmail.com Yousef ALHAFEDH Kacst Riyadh Saudi Arabia Tel: 503243909 E-mail: yhafedh@kacst.edu.sa

Bushra ALHINAI Ministry of Energy, Industry and Mineral Resources P.O.Box 247 Riyadh Saudi Arabia Tel: +966555351304 E-mail: bushra.hinai@meim.gov.sa

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

Sarah BAASHAN Ministry of Petroleum and Mineral Resources P.O.Box 05347 Dhahran 31311 Saudi Arabia Tel: +96638733362 E-mail: sara.baeshan@meim.gov.sa

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

Abdullah TAWLAH Ministry of Petroleum and Mineral Resources P.O.Box 6369 Dhahran Saudi Arabia Tel: +96638800481 E-mail: abdullah.tawlah@gmail.com

## SEYCHELLES

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

#### SINGAPORE

Tan CARYN Ministry of the Environment and Water Resources 40 Scotts Road, #24-00 Environment Building Singapore 228231 Tel: +65 67319891 E-mail: caryn\_tan@mewr.gov.sg

Winston CHOW Department of Geography, National University of Singapore #03-01, 1 Arts Link Kent Ridge Singapore Tel: +65-6516-6533 E-mail: winstonchow@nus.edu.sg

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

Muslim Anshari RAHMAN National Climate Change Secretariat 55 Newton Road, #11-01 Revenue House, Singapore 307987 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: IGuiney@environment.gov.za

Funanani MUREMI Department of Environmental Affairs Private Bag X 447 Pretoria South Africa Tel: +27123999180 E-mail: FMuremi@environment.gov.za

# SPAIN

Ernesto RODRIGUEZ CAMINO Spanish Meteorological Agency P.O. BOX 285 Madrid Spain Tel: +34915819869 E-mail: erodriguezc@aemet.es

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

# SRI LANKA

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

# SUDAN

Noureldin ABDALLA Higher Council for Environment and Natural Resources HCENR \_ Gamaa street Khartoum Sudan Tel: +249 183 774279 E-mail: noureldinabdalla2@gmail.com

## SWAZILAND

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

# SWEDEN

Irene LAKE SMHI SE-60176 Norköping Norrköping Sweden Tel: +46114958319 E-mail: irene.lake@smhi.se

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

Markku RUMMUKAINEN SMHI, Swedish meteorological and Hydrological Institute Folkborgsvägen 17 Norrköping Sweden Tel: +46-11-4958605 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

# 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

# TOGO

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

Freitas ADEYEMI AKPENE AKUA AFHON 61 rue 195 AGBALEPEDOGAN Lome Togo Tel: +228 90299529 E-mail: cendrillon\_a@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

Mesut DEMİRCAN Ministry of Agriculture and Forestry/General Directory of Meteorology Beştepe Mahallesi Alparslan Türkeş Cad. No: 71 Kat 20 Yenimahalle Ankara Ankara Turkey Tel: +90 312 203 27 43 E-mail: mdemircan@mgm.gov.tr

Uğur KARAKOÇ Ministry of Agriculture and Forestry/General Directory of Forestry Beştepe Mah. Söğütözü Cad. No:8/1 Yenimahalle Ankara Ankara Turkey Tel: +90 312 248 17 26 E-mail: ugurkarakoc@ogm.gov.tr

Hülya SILKIN Ministry of Forestry and Water Affairs ürkiye Cumhuriyeti Orman ve Su İşleri Bakanlığı, Beştepe Mahallesi Alparslan Türkeş Caddesi No: 71 - Yenimahalle / ANKARA, PK: 06560 Ankara Turkey Tel: +90 312 207 52 25 E-mail: hulyaa.silkin@tacimocman.gov.tr

Çiğdem TUğAç Ministry of Environment and Urbanization Mustafa Kemal Mahallesi Eskişehir Devlet Yolu (Dumlupınar Bulvarı) 9. km. No: 278 Çankaya / Ankara Turkey Tel: +905367656450 E-mail: cigdemtugac@gmail.com

# TUVALU

Tauala KATEA Tuvalu Meteorological Services Vaiaku Funafuti Tuvalu Tel: +688 20517 E-mail: tauala.k@gmail.com

# UGANDA

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

James FOSTER Department for Business, Energy and Industrial Strategy 1 Victoria Street London UK Tel: +44 300 068 5544 E-mail: james.foster@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 Phil RAYMOND UK Department of Business, Energy and Industrial Strategy 1 Victoria Street London UK Tel: +44 207 215 5212 E-mail: phil.raymond@beis.gov.uk

Rhian REES-OWEN UK Department of Business, Energy and Industrial Strategy 1 Victoria Street London UK Tel: +44 207 215 1513 E-mail: rhian.rees-owen@beis.gov.uk

# UKRAINE

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

# UNITED ARAB EMIRATES

Shaima ALAYDAROOS Ministry of Climate Change and Environment Dubai United Arab Emirates Tel: +97142148532 E-mail: Salayadarous@moccae.gov.ae

Naoko KUBO Ministry of Climate Change and Environment PO Box 1509 Dubai United Arab Emirates Tel: +971 2 214 8580 E-mail: nkubo@moccae.gov.ae

# 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

#### UNITED STATES OF AMERICA

Farhan AKHTAR U.S. Department of State 2201 C St NW, Suite 2480 Washington United States of America Tel: +1-202-647-3489 E-mail: AkhtarFH@state.gov

Alice ALPERT US Department of State 2201 C St NW, Suite 2480 Washington United States of America Tel: +1-202-368-6572 E-mail: alperta@state.gov

Allen FAWCETT US Environmental Protection Agency 1200 Pensylvania Av. NW Washington DC 20460 United States of America Tel: +1 202 343 9436 E-mail: Fawcett.Allen@EPA.gov

Stephen GRAY US Geological Survey 4210 University Dr Anchorage, Alaska United States of America Tel: +1 907 301 7830 E-mail: sgray@usgs.gov

Eric Matthew HAXTHAUSEN US Agency for International Development (USAID) 1300 Pensylvania Av. NW Washington DC 20523 United States of America Tel: +1 202 216 3263 E-mail: ehaxthausen@usaid.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

## UZBEKISTAN

Natella RAKHMATOVA The Centre of Hydrometeorological Service at the Ministry of Emergency situations of the Republic of Uzbekistan (Uzhydromet) 72, 1st Bodomzor Yuli str., Yunusobod distr., 100052 Tashkent Uzbekistan Tel: +99871 2373511 E-mail: natella.rakhmatova@gmail.com

#### VENEZUELA, BOLIVARIAN REPUBLIC OF

Ricardo SALAS CASTILLO Ministry of People's Power for Foreing Relations Bolivarian Republic of Venezuela Caracas Venezuela Tel: +254710990560 E-mail: ricardosalas68@gmail.com

#### ZAMBIA

Trevor KAUNDA Ministry of Lands and Natural Resources Box 50694, Lusaka Lusaka Zambia Tel: +977893961 E-mail: Trevorkaunda@gmail.com

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

#### **OBSERVER ORGANIZATIONS**

#### **AFRICAN UNION COMMISSION**

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

#### **CLIMATE ACTION NETWORK INTERNATIONAL**

Stephan SINGER Rue Albert Delatour 30 Brussels Belgium Tel: +32496550709 E-mail: ssinger@climatenetwork.org

Catherine ABREU Climate Action Network - Réseau action climat (CAN-Rac) Canada 305 - 75 Albert Street Ottawa Canada Tel: +902 412 8953 E-mail: catherineabreu@climateactionnetwork.ca

Eddy PEREZ Climate Action Network Canada 305, 75 Albert Street Ottawa Canada Tel: +514-975-1592 E-mail: eddy@climateactionnetwork.ca

Yuri ONODERA Climate Action Network – International (CAN-I) Observer Organization Friends of the Earth Japan 1-21-9 Komone Itabashi-ku Tokyo Japan Tel: +81 3 6907 7217 E-mail: yurio@iea.att.ne.jp Katherine KRAMER Climate Action Network – International (CAN-I) Observer Organization Christian Aid 35-41 Lower Marsh London UK Tel: +20 7620 4444 E-mail: kkramer@christian-aid.org

Francois ROGERS Climate Action Network – International (CAN-I) Observer Organization Climate Action Network 80B Turnham Green Terrace London UK Tel: +447585707220 E-mail: frogers@climatenetwork.org

Bridgette BURKHOLDER Climate Action Network – International (CAN-I) Observer Organization Climate Nexus 171 Madison, Suite 901 New York United States of America Tel: +14253304561 E-mail: bburkholder@climatenexus.org

Leehi YONA Climate Action Network – International (CAN-I) Observer Organization Stanford University 473 Via Ortega, Y2E2 Suite 226 Stanford, California 94305-4210 United States of America Tel: +603 2771183

# CLIMATE AND CLEAN AIR COALITION SECRETARIAT

Valentin FOLTESCU Climate and Clean Air Coalition Secretariat - UN Environment 1 Rue Miollis Paris France Tel: +33144371998 E-mail: Valentin.Foltescu@un.org

# **EUROPEAN CLIMATE FOUNDATION (ECF)**

Brami JEGATHEESWARAN 40 Bermondsey Street London Australia Tel: +61 448 276 945 E-mail: brami.jegan@gsccnetwork.org

# **EUROPEAN UNION**

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

Artur RUNGE-METZGER Avenue de Beaulieu 24 -1160 Brussels Brussels Belgium Tel: +32 498 95 68 98 E-mail: Artur.Runge-Metzger@ec.europa.eu

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

# FRIENDS WORLD COMMITTEE (FWCC)

Lindsey COOK Quaker United Nations Office (QUNO) Annabergerstrasse 195 Bonn Germany Tel: +4.9228180382e+012 E-mail: Lfcook@quno.ch Justine TAYLOR Quaker United Nations Office 13 Avenue du Mervelet Geneva Switzerland Tel: +41227484800 E-mail: jtaylor@quno.ch

## **FUTURE EARTH**

Xuemei BAI Australian National University Peter Baume Building, #42 Linnaeus Way Canberra Australia Tel: +61 2 61257825 E-mail: xuemei.bai@anu.edu.au

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

# **GERMANWATCH (GERMANY)**

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

# GLOBAL CLIMATE OBSERVING SYSTEM

Simon EGGLESTON GCOS Avenue de la Paix, 7 Bis Genève Switzerland Tel: +41227308272 E-mail: seggleston@wmo.int

#### **GREEN CLIMATE FUND**

Joseph INSTIFUL Green Climate Fund Songdo International Business District 175, Art Centre-daero Yeonsu-gu Incheon 22004 Republic of Korea Tel: +82324586211 E-mail: jintsiful@gcfund.org

# GREENPEACE

Maria Elena DE MATTEO Greenpeace East Asia 8/F., Pacific Plaza, 410-418 Des Voeux Road West Hong Kong China Tel: +85255749984 E-mail: mariaelena.dematteo@greenpeace.org

Yu Chi HUANG Greenpeace East Asia 698 Prince Edward E, Stelux House, 10F, Kowloon, Hong Kong Hong Kong China Tel: +85228548300 E-mail: kelly.huang@greenpeace.org

Shuo LI Greenpeace East Asia 3/F, Julong Office Building, Block 7, Julong Garden, 68 Xinzhong Street, Dongcheng District, 100027 Beijing China Tel: +86-10-65546931 E-mail: li.shuo@greenpeace.org

Kaisa KOSONEN Greenpeace Nordic Iso Roobertinkatu 29 A 1 00120 Helsinki Finland Tel: +358 368 8488 E-mail: kaisa.kosonen@greenpeace.org Aaron GRAY-BLOCK Greenpeace International Ottho Heldringstraat 5 1066 AZ Amsterdam Netherlands Tel: +31 (0) 20 718 20 00 E-mail: aaron.gray-block@greenpeace.org

Jennifer MORGAN Greenpeace International Ottho Heldringstraat 5 1066 AZ Amsterdam Netherlands Tel: +49 (15) 111588774 E-mail: jennifer.morgan@greenpeace.org

David BYUN Greenpeace East Asia 6F, 257 Hangang-daero, Yongsan-gu Seoul Republic of Korea Tel: +82 (0)2 3144 1994 E-mail: david.byun@greenpeace.org

Soojung DO Greenpeace East Asia 6F, 257 Hangang-daero, Yongsan-gu Seoul Republic of Korea Tel: +82 (0)2 3144 1994 E-mail: soojung.do@greenpeace.org

Shinhye HAN Greenpeace East Asia 6F, 257 Hangang-daero, Yongsan-gu Seoul Republic of Korea Tel: +827040271706 E-mail: shinhye.han@greenpeace.org

Jiwon HYUN Greenpeace East Asia 6F, 257 Hangang-daero, Yongsan-gu Seoul Republic of Korea Tel: +821063972716 E-mail: jenny.hyun@greenpeace.org

Taehyun PARK Greenpeace East Asia 6F, 257 Hangang-daero, Yongsan-gu Seoul Republic of Korea Tel: +82231441995 E-mail: taehyun.park@greenpeace.org

## **HEINRICH BOLL FOUNDATION**

Linda SCHNEIDER Schumannstr. 8 10117 Berlin Germany Tel: +49-28534 313 E-mail: linda.schneider@boell.de

# **INTERNATIONAL ALUMINIUM INSTITUTE (IAI)**

Ione ANDERSON Av Italia 6201, Ed Los Tilos 103 Montevideo Uruguay Tel: +59826060126 E-mail: ianderson@dir.iai.int

# INDIAN INSTITUTE FOR HUMAN SETTLEMENTS

Amir BAZAZ 197/36, 2nd Main Road, Sadashivanagar Bangalore India Tel: +91806760 6666 E-mail: abazaz@iihs.ac.in

Subasri KRISHNAN 197/36, 2nd Main Road, Sadashivanagar Bangalore India Tel: +919910395629 E-mail: skrishnan@iihs.ac.in

# INTERGOVERNMENTAL SCIENCE-POLICY PLATFORM ON BIODIVERSITY AND ECOSYSTEM SERVICES (IPBES)

Hien NGO UN Campus, Platz der Vereinten Nationen 1 Bonn Germany Tel: +4.9228815058e+011 E-mail: hien.ngo@ipbes.net

# INTERNATIONAL CHAMBER OF COMMERCE (ICC)

Urs RUTH Robert Bosch GmbH Robert-Bosch-Campus 1, 71272 Renningen, Germany Tel: +49 (711)811-12025 E-mail: Urs.Ruth@de.bosch.com Makoto NAKADOI International Chamber of Commerce (ICC) Sojitz Korea Corporation Ferrum Tower 13F, Suha-dong, Eulji-ro, 5Gil-19, Jung-gu, Seoul, 04539, Republic of Korea Seoul Republic of Korea Tel: +822728900 E-mail: nakadoi.makoto@sojitz.com

## INTERNATIONAL COUNCIL FOR LOCAL ENVIRONMENTAL INITIATIVES (ICLEI)

Jeongmuk KANG International Council for Local Environmental Initiatives (ICLEI) ICLEI Korea Office 126, Gyeonggi-do, 16429, Suin-ro, Gwonseon-gu, Suwon-si, Suwon Republic of Korea Tel: +82-31-220-8086 E-mail: jeongmuk.kang@iclei.org

# INTERNATIONAL UNION OF GEODESY AND GEOPHYSICS

Jianping LI Beijing Normal University, College of Global Change and Earth System Science (GCESS) 19 Xinjiekouwai Street, Haidian Beijing, 100875 China Tel: +861058806550 E-mail: ljp@bnu.edu.cn

# INTERNATIONAL PETROLEUM INDUSTRY ENVIRONMENTAL CONSERVATION ASSOCIATION (IPIECA)

Haroon KHESHGI ExxonMobil Research and Engineering Company Route 22 East Annandale, NJ United States of America Tel: +1-908-335-2531 E-mail: haroon.s.kheshgi@exxonmobil.com

# ORGANIZATION OF PETROLEUM EXPORTING COUNTRIES (OPEC)

Mohammad Ali ZARIE ZARE Helferstorferstrasse 17 Vienna Austria Tel: +43 (0) 1 211 12 2202 E-mail: mzarie@opec.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

Jieon LEE 131 Jalan Maclister Penang Malaysia Tel: +06-04-2266 728 E-mail: jiean.lee@gmail.com

Hanna SONG 131 Jalan Macalister Penang Malaysia Tel: +6-04-2266 728 E-mail: song@jacses.org

# UNITED NATIONS FRAMEWORK CONVENTION ON CLIMATE CHANGE (UNFCCC)

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

Youssef NASSEF UNFCC Platz der Vereinten Nationen 1, 53113 Bonn Germany Tel: +49 228 815 1416 E-mail: ynassef@unfccc.int

# UNITED NATIONS ENVIRONMENT PROGRAMME (UNEP)

Jian LIU P.O. Box 30552 Nairobi Kenya Tel: +254 20 7623251 E-mail: jian.liu@un.org

## WORLD METEOROLOGICAL ORGANIZATION

Pavel KABAT World Meteorological Organization (WMO) UN Organization (WMO) 7 bis avenue de la Paix Geneva Switzerland Tel: +41227308100 E-mail: pkabat@wmo.int

Elena MANAENKOVA World Meteorological Organization (WMO) UN Organization (WMO) 7bis Av. de la Paix 1211 Geneva Switzerland Tel: +4122 730 8300 E-mail: dsgo@wmo.int

# WORLD WILDLIFE FUND INTERNATIONAL (WWF)

Fernanda VIANA DE CARVALHO Priv Morada Sul 821 Brasilia Brazil Tel: +5561982334300 E-mail: fcarvalho@wwfint.org

Masako KONISHI 3-1-14 Shiba, Minato-Ku Tokyo Japan Tel: +81 (0)3 3769 3509 E-mail: konishi@wwf.or.jp

Mandy Jean WOODS Reinhardtstrasse 18, Berlin Germany Tel: +4915118854162 E-mail: mwoods@wwfint.org Hyejin AN WWF International (WWF) Seoul Global Center, 38 Jong-ro, Jongno-gu, 03188 Seoul Republic of Korea Tel: +82 70 7463 4244 E-mail: hjan@wwfkorea.or.kr

Haina KANG WWF International (WWF) Seoul Global Center, 38 Jong-ro, Jongno-gu, 03188 Seoul, Republic of Korea Seoul Republic of Korea Tel: +82 70 7463 4246 E-mail: hkang@wwfkorea.or.kr

Junghyun KIM WWF International (WWF) Seoul Global Center, Jongro38 Seoul Republic of Korea Tel: 82-10-9747-8626 E-mail: jkim@wwfkorea.or.kr

Julien ANSEAU WWF International (WWF) 354 Tanglin Road Singapore Singapore Tel: +6590601957 E-mail: janseau@wwfint.org

Stephen CORNELIUS WWF International (WWF) The Living Planet Centre Woking, GU21 4LL UK Tel: +44 (0)1483412390 E-mail: scornelius@wwf.org.uk

Christopher WEBER WWF International 1250 24th St NW Washington United States of America Tel: +4127266650 E-mail: chris.weber@wwf.org

#### LEAD AUTHORS

Ove HOEGH-GULDBERG Global Change Institute University of Queensland SANTA LUCIA Australia E-mail: oveh@uq.edu.au

Petra TSCHAKERT University of Western Australia 35 Stirling Highway CRAWLEY Australia E-mail: petra.tschakert@uwa.edu.au

Keywan RIAHI International Institute for Applied Systems Analysis (IIASA) Schlossplatz 1 LAXENBURG Austria E-mail: riahi@iiasa.ac.at

Joeri ROGELJ International Institute for Applied Systems Analysis (IIASA) Schlossplatz 1 LAXENBURG Austria E-mail: rogelj@iiasa.ac.at

Pauline DUBE University of Botswana Department of Environmental Science University of Botswana Private bag, 0022 GABORONE Botswana E-mail: dubeop@mopipi.ub.bw

Kejun JIANG Energy Research Institute, National Development and Reform Commission B1505, Guohong Building, Jia.No.11, Muxidibeili, Xicheng Dist. BEIJING China E-mail: kjiang@eri.org.cn

Jean Charles HOURCADE CIRED 114, Avenue de Gambetta Paris France E-mail: hourcade@centre-cired.fr Henri WAISMAN Institut du Développement Durable et des relations Internationales (IDDRI) 27 rue Saint Guillaume PARIS France E-mail: henri.waisman@iddri.org

Sabine FUSS Mercator Research Institute on Global Commons and Climate Change EUREF Campus 19 BERLIN Germany E-mail: fuss@mcc-berlin.net

Tania GUILLEN Climate Service Center Germany (GERICS) Helmholtz Zentrum Geesthacht Fischertwiete 1 HAMBURG Germany E-mail: tania.guillen@hzg.de

Daniela JACOB Climate Service Center Germany (GERICS) Helmholtz Zentrum Geesthacht Fischertwiete 1 HAMBURG Germany E-mail: daniela.jacob@hzg.de

Elmar KRIEGLER Potsdam Institute for Climate Impact Research Telegrafenberg A31 POTSDAM Germany E-mail: kriegler@pik-potsdam.de

Aromar REVI Indian Institute for Human Settlements 197/36, 2nd Main Road, Sadashivanagar Bangalore 560 080 India BANGALORE India E-mail: arevi@iihs.co.in

Joyashree ROY Jadavpur University, Department of Economics, 188, Raja S.C Mallik Road, Jadavpur KOLKATA India E-mail: joyashreeju@gmail.com Chandni SINGH IIHS 123 AAAA BANGALORE India E-mail: csingh@iihs.ac.in

Michael TAYLOR The University of the West Indies MONA KINGSTON Jamaica E-mail: michael.taylor@uwimona.edu.jm

Mikiko KAINUMA Institute for Global Environmental Strategies 2108-11, Kamiyamaguchi, Hayama, Kanagawa, 240-0115, Japan HAYAMA Japan Tel: + E-mail: kainuma.mikiko.nies@gmail.com

Helen DE CONINCK Radboud University Heyendaalseweg 135 Nijmegen Netherlands E-mail: h.deconinck@fnwi.ru.nl

Francois ENGELBRECHT Council for Scientific and Industrial Research CSIR Campus, Meiring Naude Rd, Brummeria, South Africa PRETORIA South Africa E-mail: fengelbrecht@csir.co.za

Mustafa BABIKER Saudi Aramco Saudi Arabia/Sudan E-mail: Mustafa.babiker@aramco.com

Luis MUNDACA Lund University, International Institute for Industrial Environmental Economics Tegnersplatsen 4 LUND Sweden E-mail: luis.mundaca@iiiee.lu.se Sonia SENEVIRATNE Swiss Federal Institute of Technology (ETH) Zurich CHN N11, Universitätsstrasse 16 ZURICH Switzerland E-mail: sonia.seneviratne@ethz.ch

Myles ALLEN University of Oxford, Environmental Change Institute South Parks Road OXFORD UK E-mail: myles.allen@ouce.ox.ac.uk

James FORD Priestley International Centre for Climate, University of Leeds LEEDS UK E-mail: j.ford2@leeds.ac.uk

Piers FORSTER University of Leeds LEEDS UK E-mail: P.M.Forster@leeds.ac.uk

Richard MILLAR University of Oxford Oxford UK E-mail: richard.millar@ouce.ox.ac.uk

Chukwumerije OKEREKE University of Reading P.O.Box 233, RG6 6AB READING UK E-mail: c.okereke@reading.ac.uk

Anthony PAYNE University of Bristol School of Geographical Sciences Bristol UK E-mail: A.J.Payne@bristol.ac.uk Rachel WARREN University of East Anglia, Tyndall Centre and School of Environmental Sciences Tyndall Centre and School of Environmental Sciences, University of East Anglia NORWICH UK E-mail: r.warren@uea.ac.uk

Kristie EBI University of Washington 4225 Roosevelt Way NE #100 SEATTLE United States of America E-mail: krisebi@uw.edu

Diana LIVERMANN UNIVERSITY OF ARIZONA United States of America E-mail: liverman@email.arizona.edu

Natalie MAHOWALD Cornell University Bradfield 1112 ITHACA United States of America E-mail: mahowald@cornell.edu

Drew SHINDELL Duke University 9 Circuit Dr., PO Box 90328, Duke University DURHAM United States of America E-mail: drew.shindell@duke.edu

De Kleijne KIANE Radboud University Nijmegen Heyendaalseweg 135 6525 AJ Nijmegen Netherlands Tel: +31243652060 E-mail: kiane.dekleijne@ru.nl

# TECHNICAL SUPPORT UNITS AND TASK GROUPS

Anna PIRANI Head, Working Group I TSU Str. Costiera, 11 Trieste Italy Tel: +39 040 224 0111 E-mail: anna.pirani@universite-paris-saclay.fr Yang CHEN Working Group I TSU Chinese Academy of Meterological Sciences No. 46, South Avenue Zhong-Guan-Cun Haidian Beijing China Tel: +86 10 68407874 E-mail: ychen@cma.gov.cn

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

Xiao ZHOU Working Group I TSU No. 46, South Avenue Zhong-Guan-Cun Haidian Beijing China Tel: +86 10 68409421 E-mail: zhoux@typhoon.org.cn

Sarah CONNORS Working Group I TSU Route de I orme des Merisiers Saint Aubin France Tel: +33679087723 E-mail: sarah.connors@universite-paris-saclay.fr

Elin FLETCHER Working Group I TSU France E-mail: elin.fletcher@icloud.com

Melissa GOMIS Working Group I TSU Route de l'orme des merisiers St Aubin France E-mail: melissa.gomis@universite-paris-saclay.fr

Eisabeth LONNOY Working Group I TSU Universite Paris Saclay 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 Working Group I TSU 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 Working Group I TSU Route de l'Orme des Merisiers Saint Aubin France Tel: +33 1 69 33 77 23 E-mail: wilfran.moufouma-okia@universite-parissaclay.fr

Clotilde PEAN Working Group I TSU 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 Working Group I TSU Route de l'Orme des Merisiers Saint Aubin France Tel: + 33 1 69 33 77 23 E-mail: rosalind.pidcock@universite-paris-saclay.fr

Nicholas REAY Working Group I TSU Route de l'Orme des Merisiers St Aubin France E-mail: nicholas.reay@universite-paris-saclay.fr

Tim WATERFIELD Working Group I TSU Universite Paris Saclay 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 Tom MAYCOCK Working Group I TSU Route de l'Orme des Merisiers St Aubin United States of America E-mail: tommayc@gmail.com

Tom JOHANSEN Working Group I TSU INFODESIGN LAB OSLO Norway E-mail: tom@infodesignlab.com

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

Katja MINTENBECK Working Group II TSU Marktstrasse 3 Bremen Germany Tel: +49 471 4831 2439 E-mail: katja.mintenbeck@ipcc-wg2.awi.de

Maike NICOLAI Working Group II TSU Marktstrasse 3 Bremen Germany Tel: +4.9471483124e+012 E-mail: maike.nicolai@ipcc-wg2.awi.de

Elvira POLOCZANSKA Working Group II TSU Alfred-Wegener-Institut Marktstraße 3, 28195 Bremen Bremen Germany Tel: +49 471 4831 2443 E-mail: elvira.poloczanska@ipcc-wg2.awi.de

Minal PATHAK Working Group II TSU Ahmedabad University, Navrangpura Ahmedabad 380009 India E-mail: m.pathak@ipcc-wg3.ac.uk Marlies CRAIG Working Group II TSU Ethekwini Durban South Africa Tel: +27313117527 E-mail: craigm.ipcc@ukzn.ac.za

Andrew OKEM Working Group II TSU University of KwaZulu Natal Durban South Africa Tel: +27 31 311 7527 E-mail: okem.ipcc@ukzn.ac.za

Raphael SLADE Head, Working Group III TSU Imperial College London IPCC WG III Technical Support Unit C/o Centre for Environmental Policy Imperial College London 13 Princes Gardens London SW7 1NA UNITED KINGDOM London UK Tel: +44 (0)20 7594 7306 E-mail: r.slade@ipcc-wg3.ac.uk

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

Renee VAN DIEMEN Working Group III TSU Imperial College London IPCC WG III Technical Support Unit C/o Centre for Environmental Policy Imperial College London 13 Princes Gardens London SW7 1NA UNITED KINGDOM London UK Tel: +44 (0)20 7594 1037 E-mail: renee.van-diemen14@imperial.ac.uk Andrej KRANJC Head, TFI TSU 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

#### IPCC SECRETARIAT

Abdalah MOKSSIT Secretary of IPCC 7bis av. de la Paix Geneva Switzerland Tel: +4122 730 8574 Mobile: 212 661 E-mail: amokssit@wmo.int

Kerstin STENDAHL Deputy Secretary of IPCC 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

Jesbin BAIDYA 7bis Avenue de la Paix 1211 Geneva Switzerland Tel: +4122 730 8516 E-mail: jbaidya@wmo.int Laura BIAGIONI 7bis Av. de la Paix 1211 Geneva Switzerland Tel: +4122 730 8522 E-mail: Ibiagioni@wmo.int

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

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

Judith EWA 7bis Avenue de la Paix Geneva Switzerland Tel: +4122 730 8087 E-mail: jewa@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 Rep. of Korea Tel: +82 2 835 1363 E-mail: solmy1023@gmail.com

Nina PEEVA 7bis Av. de la Paix Geneva Switzerland Tel: +41 22 730 8120 E-mail: npeeva@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 IPCC 1211 Geneva Switzerland Tel: +4122 730 8120 E-mail: wzabula@wmo.int

Claire NULLIS 7 bis Ave. de la Paix 1211 Geneva Switzerland Tel: +4122 730 8111 E-mail: cnullis@wmo.int

# **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**

Aaron COSBEY IISD Reporting Serivces (ENB) Box 850, Rossland, BC, Canada Rossland Canada Tel: +12505213059 E-mail: acosbey@gmail.com

Bo-an WU IISD Reporting Services (ENB) 1F., NO.6, ALY. 5, LN. 54, JINGFU ST., WENSHAN DIST., TAIPEI CITY 116, TAIWAN (R.O.C.) Taiwan China Tel: +886952710403 E-mail: sean@iisd.org Elaine LIMJOCO DE LA ROSA IISD Reporting Services 16 COPENHAGEN ST. BF HOMES, PARANAQUE CITY 1720 Paranaque City Philippines Tel: +639178200028 E-mail: elaine@iisd.org

Cleo VERKUIJL IISD Reporting Services (ENB) 2 Duke St, OX20HX, Oxford, UK Oxford UK Tel: +31638601027 E-mail: cleo@iisd.org

Deborah DAVENPORT IISD Reporting Services (ENB) 300 East 56th Street Apt 11D New York United States of America Tel: +1-404-448-1353 E-mail: deborah@iisd.org

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

Leila MEAD IISD Reporting Services (ENB) 300 East 56th St. Apt 11D New York NY 10022 United States of America Tel: +7 985 480 6715 E-mail: leila@iisd.org