

**FIFTY-SECOND SESSION OF THE IPCC
Paris, 24 – 28 March 2020**

IPCC-LII/Doc. 3
(24.I.2020)
Agenda Item: 2
ENGLISH ONLY

DRAFT REPORT OF THE FIFTY-FIRST SESSION OF THE IPCC

Principality of Monaco, 20 – 23 September 2019

(Submitted by the Secretary of the IPCC)

IPCC Secretariat

c/o WMO • 7bis, Avenue de la Paix • C.P. 2300 • 1211 Geneva 2 • Switzerland
telephone : +41 (0) 22 730 8208 / 54 / 84 • fax : +41 (0) 22 730 8025 / 13 • email : IPCC-Sec@wmo.int • www.ipcc.ch



DRAFT REPORT OF THE FIFTY-FIRST SESSION OF THE IPCC
Principality of Monaco, 20 – 23 September 2019

1. OPENING OF THE SESSION

Mr Hoesung Lee, Chair of the Intergovernmental Panel on Climate Change (IPCC), called the 51st Session of the IPCC (IPCC-51) to order on Friday 20 September 2019 at the Grimaldi Forum Center, Principality of Monaco.

The Secretary of the IPCC, Mr Abdalah Mokssit, welcomed participants to the meeting.

In his opening statement, the Chair of the IPCC thanked the Government of Monaco for its support and hospitality, including the support of the Prince Albert II of Monaco Foundation for the IPCC Scholarship Programme, and thanks all those who had worked on the *Special Report on the Ocean and Cryosphere in a Changing Climate*, which would be considered at the Session.

Ms Elena Manaenkova, Deputy Secretary-General, World Meteorological Organization, welcomed participants, described how the current work of WMO was contributing to IPCC products and underlined the support of WMO for the IPCC.

Mr Jian Liu, Chief Scientist and Director of the Science Division of the United Nations Environment Programme, introduced a video message by Ms Inger Andersen, Executive Director of the United Nations Environment Programme.

In the video message, Ms Andersen emphasized the support of UNEP for the IPCC.

Mr Florin Vladu, representative of the Secretariat of the United Nations Framework Convention on Climate Change (UNFCCC), described the importance of the new IPCC products for the UNFCCC process.

H.E. Mr Andrés Couve Correa, Minister of Science, Technology, Knowledge and Innovation of Chile, described Chile's climate action and its support for climate science. He said the work of the 51st Session, addressing the *Special Report on the Ocean and Cryosphere in a Changing Climate*, would be aligned with the goals of the forthcoming 25th Conference of the Parties (COP25) of the UNFCCC.

H.S.H. Prince Albert II of Monaco welcomed participants to Monaco and described the Principality's commitment to climate action.

The Chair of the IPCC then introduced the provisional agenda as contained in document [IPCC-LI/Doc.1](#) and [IPCC-LI/Doc.1, Add.1](#).

The provisional agenda was adopted with the inclusion of additional items to be discussed under Any Other Business: Preparations for the Sixth Assessment Report Synthesis Report; Publishing and translation of the IPCC Special Report on Global Warming of 1.5°C; Progress on the Task Group on Data Support for Climate Change Assessments (TG-Data).

2. APPROVAL OF THE DRAFT REPORT OF THE 50TH SESSION OF THE IPCC

Documents: [IPCC-LI/Doc.2, Rev.1](#)

The draft report of the 50th Session of the IPCC as contained in document IPCC-LI/Doc. 2, Rev.1 was presented and approved with the inclusion of two substantive comments and editorial revisions.

3. ACCEPTANCE OF THE ACTIONS TAKEN AT THE SECOND JOINT SESSION OF WORKING GROUPS I AND II

Documents: [IPCC-LI/Doc.3](#), [IPCC-LI/Doc.4](#)

The Chair of the IPCC invited the Panel to accept the actions of the 2nd Joint Session of Working Groups I and II, whereby the Summary of Policymakers (SPM) of the Special Report on the Ocean and Cryosphere in a Changing Climate (SROCC) was approved and the underlying scientific-technical assessment was accepted. The Panel also noted the changes to the underlying scientific-technical assessment to ensure consistency with the approved Summary for Policymakers. The Chair voiced his gratitude to the Working Groups and their Co-Chairs, the Authors, the Governments and others who had contributed to the successful conclusion of the report. Delegations took the floor to express their appreciation for this important achievement.

The statement of the USA is appended as Annex 2 to this report.

4. PROGRESS REPORT OF THE TASK GROUP ON THE ORGANIZATION OF THE FUTURE WORK OF THE IPCC IN LIGHT OF THE GLOBAL STOCKTAKE (ORAL)

Ms Maria Amparo Martinez Arroyo, Co-Chair of the Task Group on the Organization of future work of the IPCC in light of the Global Stocktake (TG-FWLGST) presented the oral progress report. She reminded the Panel that the Task Group is operating under a mandate from the IPCC and is adhering strictly to its Terms of reference . The Task Group should present progress reports at Panel sessions, comply with IPCC procedures and ensure transparency and inclusiveness, and deliver the outcomes of its work and report in due time for the first IPCC session in 2020.

Ms Martinez Arroyo informed the Panel that in June 2019, Governments and IPCC Observer Organizations were invited to provide comments and suggestions on viable alternatives and options, which had been identified by the Task Group in a consultative process. The contents of the call and the guidance information which was provided were discussed during the face to face meeting of the Task Group held in Geneva, during the 50th Session of the IPCC. In response to the call, 23 responses have been received from 21 member countries and 2 IPCC Observer Organizations. These responses were sent to the Task Group members for analyses.

During the face to face meeting which was held at the 51st Session of the IPCC, the Task Group members discussed a preliminary analysis of the received responses and expressed a preference for qualitative analysis instead of a quantitative approach. Members highlighted the need to solicit input from Technical Support Units (TSUs), IPCC Bureau members and the Secretariat in order to integrate them to the whole analysis. It was suggested that an inclusive and consultative process which involves Task Group members in the preparation of the final report should be applied. The Co-Chairs and rapporteur encouraged the Task Group members to extensively use the electronic forum during the preparation of the final report.

Ms Martinez Arroyo requested that an item on the progress report of the Task Group could be included in the agenda for the 57th Session of the IPCC Bureau, scheduled to take place in Singapore in October 2019. She concluded by reminding the Panel that after the presentation of the Task Group's final report at the 52nd Session of the IPCC, the work of this Task Group will cease.

One country mentioned its appreciation on the work of the TG-FWLGST and suggested that the Task Group should place more emphasis on the qualitative analysis of the pros and cons and avoid using statistical approaches which include ranking of the scores.

The Panel took note of the TG-FWLGST progress report.

5. REPORT OF THE IPCC CONFLICT OF INTEREST COMMITTEE (ORAL)

Mr Youba Sokona, Chair of the IPCC Conflict of Interest (COI) Committee, gave a brief report on the activities of the COI Committee. He informed the Panel that the 17th COI Committee meeting was held on 3 August 2019 in the margins of the 50th Session of the IPCC at the WMO offices in Geneva. At that meeting the COI Committee reviewed the annual reports of the three Working Group Bureaux and the Task Force Bureau 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 COI Committee had noted with appreciation that no conflicts of interest were identified. The Chair thanked the Co-chairs and their Bureaux for the completeness and transparency of their reports.

6. ANY OTHER BUSINESS

6.1. Preparations for the Sixth Assessment Report Synthesis Report

The IPCC Chair informed the Panel of the preparations under way for the Scoping meeting of the Synthesis Report (SYR) of the Sixth Assessment Report (AR6) to be held in Singapore from 21 to 23 October 2019.

He noted that he is working with the Co-chairs of Working groups I, II and III to finalize the list of experts to be invited to the Scoping meeting. He also informed the Panel of his intention to share the Chair's draft vision paper with the Scientific Steering Committee of the AR6 Synthesis Report Scoping meeting in the next few days.

In the ensuing discussions France, the United Kingdom, China, Tanzania, Ghana and the United States of America made interventions noting the cooperation between the team preparing the AR6 SYR Scoping meeting and the Working Group teams. Also the criteria for selecting the participants to the scoping meeting were addressed.

6.2. Publishing and translation of the IPCC Special Report on Global Warming of 1.5°C

Mr Jonathan Lynn, IPCC Senior Communications Manager, reported that translations into the five official UN languages other than English (Arabic, Chinese, French, Russian and Spanish) of the Summary for Policymakers (SPM) of the Special Report on Global Warming of 1.5°C (SR15) have been posted on the IPCC website and can be accessed on the SR15 page under SPM downloads.

The translators were now working on the SPM of the Special Report on Climate Change and Land.

Regarding publication, he said that the World Meteorological Organization (WMO) had carried out a procurement process on behalf of the IPCC to identify a printer and publisher of all reports in the Sixth Assessment Report cycle, starting with SR15, conducted strictly in conformity with the rules and procedures of the WMO. This had taken longer than expected because it had been necessary to relaunch the process after the single bidder in the first tender was disqualified for failing to observe the correct procedures. This bidder had been invited to resubmit an offer in the second tender.

He said the WMO has now identified a vendor through the procurement process and is finalizing a contract with them. Once this is completed the details will be announced, but the process remains confidential until then. Mr Lynn set out the timeline for the process so far.

Ms Valérie Masson-Delmotte, Co-Chair, Working Group I, said it was frustrating that a publisher had not been identified nearly one year after approval of SR15, and said it was important to find a publisher with the highest reputation in the interests of the IPCC's own scientific reputation. She said it was important for the authors who had contributed their time to preparing the report to have their work cited, requiring the establishment of digital object identifiers (DOIs) for the report. She said the IPCC should write to authors explaining the delay.

She asked for the topic of translation to be included on the next session of the IPCC Bureau, and made a number of suggestions to improve and accelerate the translation process. She noted that a crowdsourced French version of the SR15 SPM had been produced in the meantime.

The Senior Communications Manager said that under the publishing contract now being finalized, the vendor would provide DOIs for the report as a whole and its constituent elements.

One country, noting that it had supported the Working Group I Technical Support Unit (TSU), which had coordinated the technical work on SR15 for all three Working Groups, underlined the importance of making SR15 accessible in electronic format, with the SPM in all six UN languages, and in hard copy. The scientific referencing of the report was important for the author who had worked on it.

The Secretary of the IPCC, Mr Abdalah Mokssit, said that the staff in the IPCC Secretariat and WMO had carefully followed the correct procedures, which must be conducted in a rigorous manner, and outlined the steps required.

Ms Debra Roberts, Co-Chair, Working Group II, also supported sending letters to the SR15 authors.

The Secretary of the IPCC said letters were in preparation, and awaiting the finalization of the contract so that information about the vendor could be provided.

6.3. Progress on the Task Group on Data Support for Climate Change Assessments (TG-Data)

Mr Mxolisi Shongwe from the IPCC Secretariat presented a progress report on the Task Group on Data Support for Climate Change Assessments (TG-Data). He reminded the Panel that at the 49th Session of the IPCC, the list of fourteen TG-Data members who were selected by the IPCC Bureau at its 57th Session (Geneva, Switzerland, 18 – 19 March 2019) was presented to the Panel in Document [IPCC-XLIX/Doc. 7, Corr.1](#). One TG-Data member who had been selected by the Bureau stepped down

Following the proposal we presented to amend the Terms of Reference (TORs) of the TG-Data, the Panel decided to amend Article 3.2 of the TORs to allow the IPCC Bureau to also nominate potential members of the TG-Data and also amended Article 3.3. of the TORs to allow for a maximum of 20 TG-Data members.

In July 2019, IPCC Bureau members were invited to nominate and/or select additional TG-Data members. In response to this invitation, four new TG-Data members were selected. Two of the selected members have already accepted to serve in the Task Group. Working Group Co-chairs and Data Distribution Center (DDC) managers were invited to designate Ex-Officio members.

Mr Shongwe informed the Panel that the First teleconference of the TG-Data was held on 3rd June 2019. The second teleconference was scheduled for 7th October 2019. The First face-to-face meeting for the TG-Data was to be held in Montreal, Canada from 6 – 8 November 2019. TG-Data representatives were invited to attend the 3rd Lead Author meeting (LAM3) for Working Group I which was held in Toulouse, France in August 2019. At the WGI LAM3, one Co-chair made a presentation about the work of the Task Group in plenary. The Task Group members were given opportunities to engage with the WGI TSU, Bureau and the author team. TG-Data Co-chairs were invited to attend the 57th Session of the IPCC Bureau in Singapore from 24- 25 October 2019. It was expected that the TG-Data Co-chairs would present the Task Group workplan, including a list of activities and meetings, associated deliverables and respective timelines. The workplan would be reviewed by the IPCC Bureau and presented to the Panel for approval.

The Panel took note of the progress report.

7. PLACE AND DATE OF THE 52nd SESSION OF THE IPCC

The Secretary of the IPCC informed the Plenary that the 52nd Session of the IPCC would be held in from 24 to 28 February 2020, location to be confirmed.

8. CLOSING OF THE SESSION

The Chair of the IPCC thanked the Government of Monaco for hosting a successful 51st Session of the IPCC. He thanked government representatives of member countries, Bureau members, representatives of Observer Organizations, Authors, Working Group Technical Support Units, the Secretariat and WMO conference team, as well as the interpreters for a successful meeting and gave the meeting to a close at 15.00 p.m. on Tuesday 24 September 2019.

51st SESSION OF THE IPCC
Principality of Monaco, 20 to 23 September 2019

Decisions adopted by the Panel

Decision IPCC-LI-1. Adoption of the Provisional Agenda

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

The Intergovernmental Panel on Climate Change at its 51st Session adopts the provisional agenda as contained in document IPCC-LI/Doc.1, with the inclusion of additional items to be discussed under Any Other Business: Preparations for the Sixth Assessment Report Synthesis Report; Publishing and translation of the IPCC Special Report on Global Warming of 1,5°C; Progress on the Task Group on Data Support for Climate Change Assessments (TG-Data).

Decision IPCC-LI-2. Approval of the draft report of the 50th Session of the IPCC

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

The Intergovernmental Panel on Climate Change at its 51st Session approves the report of the 50th Session of the IPCC with the inclusion of two substantive comments and editorial revisions.

Decision IPCC-LI-3. Acceptance of the actions taken at the Second Joint Session of Working Groups I and II

Documents: IPCC-LI/Doc. 3 and IPCC-LI/Doc. 4

The Intergovernmental Panel on Climate Change at its 51st Session accepts the actions taken at the Second Joint Session of Working Groups I and II, related to the approval of the Summary for Policymakers of the IPCC Special Report on the Ocean and Cryosphere in a Changing Climate and the acceptance of the underlying scientific-technical assessment in accordance with Section 4.4 of Appendix A to the Principles Governing IPCC Work.

Statement of the United States of America on the IPCC Special Report on Oceans and Cryosphere in Changing Climate

September 24, 2019

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.

The United States expresses its deep appreciation to the authors for preparing this Special Report.

INTERGOVERNMENTAL PANEL ON CLIMATE CHANGE

51st SESSION OF THE INTERGOVERNMENTAL PANEL ON CLIMATE CHANGE
Principality of Monaco, 20 to 23 September 2019

LIST OF PARTICIPANTS

CHAIR OF THE IPCC

Hoesung LEE
Chairman of the IPCC
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

Carolina VERA
WGI Vice Chair
CIMA/University of Buenos Aires-CONICET
Cima, pabellon 2, 2do piso, Ciudad Universitaria
Buenos Aires
Argentina
Tel.: +5491147872693
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

Gregory FLATO
WGI Vice Chair
Canadian Centre for Climate Modelling and
Analysis
Environment and Climate Change Canada
Victoria
Canada
Tel.: +1-250-363-8233
E-mail: greg.flato@canada.ca

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

Ramon De La Concepcion PICHES MADRUGA
WGIII Vice Chair
Centre for World Economy Studies (CIEM)
CIEM, Calle 22 No. 309, Miramar, Habana 13
Havana
Cuba
Tel.: +5372042507
E-mail: rpichsciem@ceniai.inf.cu

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

Valerie MASSON-DELMOTTE
WGI Co Chair
LSCE
Route de l'Orme des Merisiers
Gif sur Yvette
France
Tel.: +33 1 69 08 77 15
E-mail: Valerie.masson@lsce.ipsl.fr

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

Diana URGE-VORSATZ
WGIII Vice Chair
Central European University, Center for Climate
Change and Sustainable Energy Policy
Nador utca 9
Budapest
Hungary
Tel.: +36306839134
E-mail: vorsatzd@ceu.edu

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

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
Pb. 1129 Blindern, 0318 Oslo
Oslo
Norway
Tel.: +4791578850
E-mail: j.s.fuglestvedt@cicero.oslo.no

Eduardo CALVO
TFI Co Chair
Arteaga 549
San Borja
Lima
Peru
Tel.: +511 3462299
E-mail: e13calvo@gmail.com

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

Debra ROBERTS
Bureau Member
Sustainable and Resilient City Initiatives Unit
EtheKwini Municipality
Durban
South Africa
Tel.: +27 31 311 7527
E-mail: Debra.Roberts@DURBAN.GOV.ZA

Andreas FISCHLIN
WGII Vice Chair
ETH Zurich
Universitaetstrasse 16
Zurich
Switzerland
Tel.: +47148312411
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

Pius YANDA
WGII Vice Chair
University of Dar es Salaam Main Campus
Main Campus
Dar es Salaam
United Republic of Tanzania
Tel.: +255222410707
E-mail: pyanda@gmail.com

Ko BARRETT
IPCC Vice Chair
1315 East West Hwy
Silver Spring MD
United States of America
Tel.: +3017341054
E-mail: ko.barrett@ipcc.ch

Carlos MENDEZ
WGII Vice Chair
IVIC
Carretera Panamericana km 11, Estado Miranda,
Venezuela
Caracas
Venezuela
Tel.: +582125041246
E-mail: carlos.menvall@gmail.com

MEMBER COUNTRIES

ARMENIA

Khachatur KHACHATRYAN
Ministry of Environment of the Republic of Armenia
3 Government Bldg, Republic Sq,
Yerevan, 0010
Armenia
Tel.: +37477558585
E-mail: khachatryan85@yahoo.com

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

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

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

AZERBAIJAN

Jeyhun HASANOV
H. Aliyev ave 10
Baku
Azerbaijan
Tel.: (+99412) 5662794
E-mail: jeyhun.eco@gmail.com

BELGIUM

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

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 Louise 1050
1050 Brussels
Belgium
Tel.: +32 (0) 2 238 36 10
E-mail: vdst@belspo.be

BELIZE

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

BENIN

Kokou Marcellin NAKPON
Meteo Benin
BP 379
Cotonou
Benin
Tel.: +229 94174151
E-mail: marcellin.nakpon@gmail.com

BHUTAN

Namgyal PHUNTSHO
National Center for Hydrology and Meteorology,
Royal Government of Bhutan
National Center for Hydrology and Meteorology
(NCHM) Royal Government of Bhutan Post Box:
207 Thimphu : Bhutan
Doeboom Lam, Thimthrom, Post Box: 207,
Thimphu, Bhutan
Bhutan
Tel.: +9752327624
E-mail: phuntshonamgyel@nchm.gov.bt

BOLIVIA

Mayra Briseida MONTERO CASTILLO
Ministry of Foreign Affairs
Plaza Murillo entre calles Ingavi y Junin
La Paz
Bolivia
Tel.: +591 22408900
E-mail: mayramonterobolivia@gmail.com

BOSNIA AND HERZEGOVINA

Goran TRBIC
University of Banja Luka Faculty of Science
Mladena Stojanovica 2
Banja Luka
Bosnia and Herzegovina
Tel.: +387 51 324561
E-mail: trbicg@pmfbl.org

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

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

BURKINA FASO

Ulrich Jacques DIASSO
Agence Nationale de la Météorologie
01 BP 576
OUAGADOUGOU
Burkina Faso
Tel.: +226 761 77600
E-mail: udiasso@gmail.com

CAMBODIA

Neth BARODA
Department of CLimate Change
General Secretariat of National Council for
Sustainable Development
Ministry of Environment
Morodok Techo Building, Lot 503, Sangkat Tonle
Bassac, Khan Chamkarmon
Phnom Penh
Cambodia
Tel.: +962 625382
E-mail: baroda.neth2013@gmail.com

Reasey PHOEUK
Department of Climate Change
Morodok Decho Building, No. 503, Chamkarmon
Phnom Penh
Cambodia
Tel.: +855 974 555876
E-mail: phoeuk.reasey@gmail.com

CANADA

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

Denis GILBERT
Delegate
Fisheries and Oceans Canada
200 Kent St
Ottawa
Canada
Tel.: +1 819-938-5847
E-mail: Denis.Gilbert@dfo-mpo.gc.ca

Denise JOY
Fisheries and Oceans Canada
200 Kent St
Ottawa
Canada
Tel.: 1-819-938-5847
E-mail: Denise.Joy@dfo-mpo.gc.ca

Joanna MACDONALD
Inuit Circumpolar Council Canada
75 Albert St
Ottawa
Canada
Tel.: 1-819-938-5847
E-mail: jmacdonald@inuitcircumpolar.com

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

James TOM
Geological Survey of Canada
Pacific Geoscience Centre | Centre géoscientifique
du Pacifique
Ottawa
Canada
Tel.: +1 (250) 363-6403
E-mail: thomas.james@canada.ca

Katie VOGT
Environment and Climate Change Canada
351 Boulevard Saint-Joseph
Gatineau
Canada
Tel.: +1 819-938-5847
E-mail: katie.vogt@canada.ca

Athanase Hyacinthe Anaclet YAMBELE
Delegate
DIRECTION OF METEOROLOGY
B.p 941 MET SERVICE MINISTER OF CIVIL
AVIATION
BANGUI
Central African Republic
Tel.: +23675047802
E-mail: athyambele@yahoo.fr

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

CHILE

Giovanni CALDERON
Climate Change and Sustainability Agency of Chile
Amanda Labarca 124, floor 2, Santiago,
Metropolitan Region, Chile
Santiago
Chile
Tel.: +56 9 94529793
E-mail: giovanni.calderon@ascc.cl

Andrés COUVE
Ministry of Science, Technology, Knowledge and
Innovation (Government of Chile)
Palacio La Moneda s/n. Piso 2. Ala sur-poniente
Santiago
Chile
Tel.: +56 2 2694 5423
E-mail: acouve@minciencia.gob.cl

Rosana GARAY
Ministry of Foreign Affairs, Chile
Teatinos 180 piso 13
Santiago
Chile
Tel.: +56 2 28274624
E-mail: rgaraym@minrel.gob.cl

Humberto GONZALEZ
Professor at the Institute of Marine and
Limnological Sciences at the Faculty of Sciences
at the University Austral of Chile
Universidad Austral, Edificio Emilio Pugin, piso 1.
Campus Isla Teja.
Valdivia.
Chile
Tel.: +56 976693026
E-mail: hgonzalez@uach.cl

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

Leonardo MUNOZ
Ministry of Science, Technology, Knowledge and
Innovation
Palacio La Moneda s/n. Piso 2. Ala Sur-Poniente
Santiago
Chile
Tel.: +56 2 2694 5423
E-mail: leonardo.munoz@gmail.com

CHINA

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

Chao CHEN
China Meteorological Administration
No.46 Zhongguancun South Street, Haidian
District
Beijing
China
Tel.:+86 68406732
E-mail: chenchao@cma.gov.cn

Xing FAN
National Center for Climate Change Strategy and
International Cooperation
C605 Guohong Mansion, Muxidi north lane Jia
11th, Xicheng District
Beijing
China
Tel.:+86 10 63909255
E-mail: fanxingpku@163.com

Xiaodan NA
Department of International cooperation, China
Meteorological Administration
46 Zhongguancun Nandajie
Beijing,100081
China
Tel.:+86 10 68406662
E-mail: naxd@cma.gov.cn

Pengling WANG
China Meteorological Administration
No.46 Zhongguansun South Street, Haidian
District
Beijing
China
Tel.:+86 10 58994216
E-mail: wangpl@cma.gov.cn

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

Yongqiang YU
Institute of Atmospheric Physics, Chinese
Academy of Sciences
Hua Yan Li 40, Chaoyang District
Beijing
China
Tel.:+86 10 82995167
E-mail: yyq@lasg.iap.ac.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

COLOMBIA

Diana Marcela VARGAS GALVIS
Institute of Hydrology, Meteorology and
Environmental Studies (IDEAM)
Calle 25D No. 96B-70
Bogota
Colombia
Tel.:+57 (1) 3527160 Ext. 1133
E-mail: dmvgas@ideam.gov.co

COMOROS

Said DJAMAL-DINE
Direction General de l'Environnement et des
Forets
EX-CEFADER
Moroni
Comoros
Tel.:+269 3318984
E-mail: djasaid001@gmail.com

CONGO

Gervais Ludovic ITSOUA MADZOUS
Ministère du Tourisme et de l'Environnement
Direction Générale du Développement Durable,
11e Etage Tour Nabemba
BRAZZAVILLE
Congo
Tel.:+242055317411
E-mail: imadzous2@gmail.com

CÔTE D'IVOIRE

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

Radim TOLASZ
Czech Hydrometeorological Institute
Na Saabatce 17
Praha 4 - Komorany
Czech Republic
Tel.:+420 596 900 277
E-mail: radim.tolasz@chmi.cz

DENMARK

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

Tilde Vejen JESPERSEN
Danish Meteorological Institute
Lyngbyvej 100
Copenhagen
Denmark
Tel.:+45 20522639
E-mail: tje@dmi.dk

Rasmus Anker PEDERSEN
Danish Meteorological Institute
Lyngbyvej 100
Copenhagen
Denmark
Tel.:+45 39157595
E-mail: rap@dmi.dk

DOMINICA

Lloyd PASCAL
Ministry of Environment
37 Great George Street
Roseau
Dominica
Tel.:+17672665256
E-mail: pascallloyd@gmail.com

DOMINICAN REPUBLIC

Pedro GARCIA BRITO
Ministry of Environment and Natural Resources
Ave. Cayetano Germosen, Esq. Ave. Gregorio
Luperon, El Pedregal
Santo Domingo
Dominican Republic
Tel.:+809 567 4300 - 6250
E-mail: pgarcia222@gmail.com

ECUADOR

Carlos Nicolas ZAMBRANO SANCHEZ
Ministry of Environment of Ecuador
Calle Madrid 1159 y Andalucia
Quito
Ecuador
Tel.:+593 2 398 7600
E-mail: carlos.zambrano@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

EL SALVADOR

Adriana ERAZO
Ministry of Environment and Natural
Calle y colonia las Mercedes, Km 5 1/2, carretera
a Santa Tecla, Edificio MARN
San Salvador
El Salvador
Tel.:+50321329650
E-mail: aerazo@marn.gob.sv

EQUATORIAL GUINEA

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

ESTONIA

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

Annela ANGER-KRAAVI
Environment Agency
Mustamäe tee 33
Tallinn 15172
Estonia
E-mail: annela@hotmail.co.uk

ETHIOPIA

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

FIJI

Terry ATALIFO
Fiji Meteorological Service
Private Mail Bag, NAP0351, Nadi Airport
Nadi
Fiji
Tel.: +6796724888
E-mail: atalifo_terry@yahoo.com

Bipendra PRAKASH
Fiji Meteorological Service
Koroiwai Road, AFL State, Namaka
Nadi
Fiji
Tel.: +6796724888
E-mail: bipenprakash@gmail.com

Kushaal RAJ
Ministry of Economy
Rolalabalavu House, Victoria Parade
Suva
Fiji
Tel.: +6796724888
E-mail: kushaal_raj@hotmail.com

FINLAND

Maria LAAMANEN
Ministry of the Environment
Aleksanterinkatu 7, FI-00023, P.O. Box 35
Government
Helsinki
Finland
Tel.: +358 295 250 359
E-mail: Maria.Laamanen@ym.fi

Paula PERÄLÄ
Ministry of the Environment
Aleksanterinkatu 7, FI-00023,
P.O. Box 35 Government
Helsinki
Finland
Tel.: +358 295 250 224
E-mail: paula.perala@ym.fi

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

Markku VIITASALO
Finnish Environment Institute
Latokartanonkaari 11, FI-00790 Helsinki
Helsinki
Finland
Tel.: +358 295 251 742
E-mail: markku.viitasalo@ymparisto.fi

FRANCE

Théophile BONGARTS-LEBBE
Plateforme Océan Climat
195 Rue Saint Jacques
Paris
France
Tel.: +33659525400
E-mail: tbongarts@ocean-climate.org

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

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

Aur lie GOURDON
MTES
Minist re de la Transition  cologique et solidaire
92055 La D fense Cedex
France
Tel.: +33 1 40 81 20 83
E-mail: aurelie.gourdon@ens-lyon.fr

Marina LEVY
LOCEAN-IPSL
Tour 45, 4eme, BC 100 4 Place Jussieu, F-75252 Paris Cedex 05
France
Tel.: +33 1 44 27 27 07
E-mail: marina.levy@locean-ipsl.upmc.fr

Thomas LIEBAULT
MEAE
37 quai d'Orsay
75007
France
Tel.: +33 1 43 17 53 53
E-mail: thomas.liebault@diplomatie.gouv.fr

Nicole THOMAS
Australian Delegation to the OECD
4 Rue Jean Rey
Paris
France
Tel.: +33 (0)1 4059 3316
E-mail: Nicole.Thomas@dfat.gov.au

Viviane TREVES
Delegate
MEAE
37, quai d'Orsay
75007 PARIS
France
Tel.: +33 1 43 17 53 53
E-mail: viviane.treves@diplomatie.gouv.fr

GAMBIA

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

GEORGIA

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

GERMANY

Friedemann CALL
German Aerospace Center, Project Management
Agency, German IPCC Coordination Office
Heinrich-Konen-Str. 1
Bonn
Germany
Tel.: +49 1752054916
E-mail: Friedemann.Call@dlr.de

Achim DASCHKEIT
Federal Environment Agency (UBA)
Woerlitzer Platz 1
Dessau-Rosslau
Germany
Tel.: +49 (0) 340 2103 2993
E-mail: achim.daschkeit@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

Matthias MENGEL
Potsdam Institute for Climate Impact Research
Telegrafenberg A56, Room 124
14473 Potsdam
Germany
Tel.: +49 331 288 2460
E-mail: matthias.mengel@pik-potsdam.de

Christian M  LLER
Federal Ministry for the Environment, Nature
Conservation, Building and Nuclear Safety
K  thener Stra  e 2-3
Berlin
Germany
Tel.: +49 - 30 - 18 305 4695
E-mail: Christian.Mueller.extern@bmu.bund.de

Jens TAMBKE
Delegate
Federal Environment Agency
Woerlitzer Platz 1
Dessau-Rosslau
Germany
Tel.: +49 34021032023
E-mail: jens.tambke@uba.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 KLUTSE
Ghana Space Science and Technology Institute
P.O. Box LG80,
Accra
Ghana
Tel.: +233244983637
E-mail: amabrowne@gmail.com

GRENADA

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 Nationale de la Météorologie de Guinée
Commune Matoto Cité de l'air 0030
Conakry
Guinea
Tel.: +224628223339
E-mail: madina_pita@yahoo.fr

GUINEA BISSAU

Joao LONA TCHEDNA
Institut National de la Météorologie
Avenida do Brasil, Cx.P. 75 1038
Cedex - Bissau
Bissau
Guinea Bissau
Tel.: +245 95542 20 07
E-mail: J_Lona@yahoo.fr

GUYANA

Paulette BYNOE
University of Guyana
Turkeyen Campus, Greater Georgetown, Guyana
Georgetown
Guyana
Tel.: +5922162635
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

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.: +911124695293
E-mail: jrbhatt@nic.in

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

Rasik RAVINDRA
National Centre for Polar and Ocean
Research
Goa
Goa
India
Tel.: +919999518129
E-mail: rasikravindra@gmail.com

Sadananda Satheesh Chandra SHENOI
INCOIS
Pragathi Nagar
Hyderabad
India
Tel.: -23885949
E-mail: Shenoi@incois.gov.in

Milind Pandurang WAKDIKAR
Ministry of Earth Sciences
Prithvi Bhavan
New Delhi
India
Tel.: +91 9911115512
E-mail: milind.wakdikar@gmail.com

INDONESIA

Irawan ASAAD
Ministry of Environment and Forestry Indonesia
Manggala Wanabakti Building, Block 4, 6th Floor,
Jalan Gatot Subroto
Jakarta
Indonesia
Tel.: +622157903073
E-mail: Irawan.asaad@gmail.com

Awidya SANTIKAJAYA
Permanent Mission of the Republic Indonesia to
the United Nations, WTO and other International
Organizations in Geneva
16 Rue de Saint-Jean
1203 Geneve
Switzerland/Indonesia
Tel.: +41223383350
E-mail: awidya.santikajaya@mission-indonesia.org

IRAN

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

Saeed LASHKARI TAFRESHI
Ambassador the Islamic Republic of Iran
4 Avenue d'Iran 75016 Paris
Paris
France/Iran
Tel.: +140697924
E-mail: saeed1341@gmail.com

IRAQ

Kameran Ali Hasan HASAN
Ministry of Environment
Arassat Al-Hindiya
Baghdad
Iraq
Tel.: +964- 7701521964
E-mail: kamaranali64@gmail.com

IRELAND

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

ITALY

Eleonora COGO
CMCC
viale C. Berti Pichat 6/2
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

Tetsuya DEGUCHI
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: deguchi@rite.or.jp

Tetsuo FUJII
Ministry of Agriculture, Forestry and Fisheries
(MAFF)
1-2-1 Kasumigaseki, Chiyoda-ku,
Tokyo 100-8952,
Japan
Tel.: +81 3 6744 2372
E-mail: tetsuo_fujii810@maff.go.jp

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

Masashi HARADA
Japan Meteorological Agency (JMA)
1-3-4 Otemachi, Chiyoda-ku,
Tokyo 100-8123,
Japan
Tel.:+81 3 3212 8341
E-mail: m_harada@met.kishou.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

Michio KAWAMIYA
Japan Agency for Marine-earth Science and
Technology (JAMSTEC)
3173-25, Showamachi, Kanazawa ward,
Yokohama 236-0001,
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

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

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

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

Miho SUZUKI
Ministry of Economy, Trade and Industry (METI)
1-3-1 Kasumigaseki, Chiyoda-ku,
Tokyo, 100-8901,
Japan
Tel.:+81 3 3501 1757
E-mail: suzuki-miho@meti.go.jp

Hiroyuki TSUJINO
Japan Meteorological Agency (JMA)
1-1 Nagamine,
Tsukuba, Ibaraki 305-0052,
Japan
Tel.:+81 29 853 8657
E-mail: htsujino@mri-jma.go.jp

Shigeru WATANABE
Japan Weather Association (JWA)
Sunshine 60 Bldg. 55F, 3-1-1 Higashi-Ikebukuro,
Toshima-ku,
Tokyo 170-6055,
Japan
Tel.:+81 3 4032 14032
E-mail: watanabe.shigeru@jwa.or.jp

Keiko YOSHIKAWA
Delegate
Ministry of the Environment (MOE)
1-2-2, Kasumigaseki, Chiyoda-ku,
Tokyo 100-8975,
Japan
Tel.:+81 3 5521 8247
E-mail: KEIKO_YOSHIKAWA@env.go.jp

KENYA

Patricia A. NYINGIRO
Kenya Meteorological Department
Box 30259-00100
Nairobi
Kenya
Tel.:+254203867880
E-mail: pnyingiro@gmail.com

KYRGYZSTAN

Aizada BARIEVA
The State Agency on Environment Protection and
Forestry of the Kyrgyz Republic
142, Gorky street Box 720000
Bishkek
Kyrgyzstan
Tel.:+996312549487
E-mail: aizada.barieva@gmail.com

LAO PEOPLE'S DEMOCRATIC REPUBLIC

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

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

LESOTHO

Malehloa JOCKEY
Lesotho Meteorological Services
P.O Box 14515
Maseru
Lesotho
Tel.: +26622325029
E-mail: jockey2001@gmail.com

LIBYA

Abdelfatah SHIBANI
Authority of Natural Sciences and Technology
Research
Naser Street
Tripoli
Libya
Tel.: +218916722629
E-mail: afshibani@gmail.com

LUXEMBOURG

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

MADAGASCAR

Tatiana ANDRY ARIVELO
Meteo Madagascar
P.O. Box 1254 Ampandrianomby
Antananarivo
Madagascar
Tel.: +261340564151
E-mail: tatiana.arivelo@yahoo.com

MALDIVES

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
Ameenee Magu
Male
Maldives
Tel.: +9607965626
E-mail: ali.shareef@environment.gov.mv

MEXICO

Maria Amparo MARTÍNEZ ARROYO
National Institute of Ecology and Climate Change
Anillo Periferico 4209, Jardines en la Montaña,
14210 Ciudad de Mexico
Mexico City
Mexico
Tel.: +52 5554246418
E-mail: direccion.general@inecc.gob.mx

MONACO

Jessica ASTIER
Monaco Government
3 Avenue de Fontvieille
Monaco
Tel.: +33626656935
E-mail: jastier@gouv.mc

Jérémie CARLES
Monaco Government
3 Avenue de Fontvieille
Monaco
Tel.: +37798988179
E-mail: jcarles@gouv.mc

Chrystel CHANTELOUBE
Monaco Government
Ministère d'Etat Place de la Visitation
Monaco
Tel.: +37798984457
E-mail: cchanteloube@gouv.mc

Valérie DAVENET
Monaco Government
3 Avenue de Fontvieille
Monaco
Tel.: +37798982079
E-mail: vdavenet@gouv.mc

Olivier DUFOURNEAUD
Musée Océanographique de Monaco
Avenue Saint-Martin
Monaco
Tel.: +377 93 15 36 77
E-mail: o.dufourneaud@oceano.org

MONGOLIA

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

MOROCCO

Omar CHAFKI
Direction de la Météorologie Nationale
Boulevard Tayeb Naciri, Hay Hassani
P. 8106 Casa-Oasis
Casablanca
Morocco
Tel.: +212 522913805
E-mail: omar_chafki@yahoo.fr

MYANMAR

May Khin CHAW
Department of Meteorology and Hydrology
Building (5), Ministry of Transport and
Communications, Nay Pyi Taw
Nay Pyi Taw
Myanmar
Tel.: +95 67 3411528
E-mail: mkhinc@gmail.com

NEPAL

Maheshwar DHAKAL
Ministry of Forests and Environment
Singha Durbar
Kathmandu
Nepal
Tel.: +977 1 4016812
E-mail: maheshwar.dhakal@gmail.com

Bishwa Nath OLI
Ministry of Forests and Environment
Singha Darbar
Kathmandu
Nepal
Tel.: +977 1 4211567
E-mail: bn_oli@yahoo.com

NETHERLANDS

Marcel BERK
Ministry of Economic Affairs and Climate Policy
P.O. Box 20401
The Hague
Netherlands
Tel.: +31-6-5259 5453
E-mail: m.m.berk@minezk.nl

Frank HALLIE
Ministry of Infrastructure and Water Management
PO Box 20901
Den Haag
Netherlands
Tel.: +31621227133
E-mail: Frank.Hallie@minienw.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

Sumaya CASTILLO
Delegate
MARENA
KM 12
Managua
Nicaragua
Tel.: +50583393575
E-mail: sumayacastillolara@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

NORTH MACEDONIA

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

NORWAY

Asa Alexandra BORG PEDERSEN
Norwegian Environment Agency
Brattfalkaia 15, 7010 Trondheim, Norway
Trondheim
Norway
Tel.: +47 97107475
E-mail: asa.alexandra.borg.pedersen@miljodir.no

Øyvind CHRISTOPHERSEN
Norwegian Environment Agency
Grensesvingen 7
Oslo
Norway
Tel.: +47 97075014
E-mail: chr@miljodir.no

Marianne KROGLUND
Norwegian Environment Agency
Grensesvingen 7
Oslo
Norway
Tel.: +47 48005055
E-mail: marianne.kroglund@miljodir.no

Ole-kristian KVISSEL
Norwegian Environment Agency
Grensesvingen 7
0661 Oslo
Norway
Tel.: +47 93431034
E-mail: okk@miljodir.no

Ingrid Kleppenes VERNE
Norwegian Environment Agency
Grensesvingen 7
Oslo
Norway
Tel.: +47 94814196
E-mail: ingrid.kleppenes.verne@miljodir.no

PAKISTAN

Saeed FAHAD
CA Gmbh
Ritterstraße 3 10969
Berlin,
Germany/Pakistan
Tel.: +49 (0)30 2 59 22 95 20
E-mail: fahad.saeed@climateanalytics.org

PERU

Ivonne MONTES
Instituto Geofísico Del Peru (IGP)
Calle Badajoz 169 Urb. Mayorazgo IV Etapa Ate
Lima
Peru
Tel.: +51 1 317 2300 EXT.135
E-mail: imontes@igp.gob.pe

PHILIPPINES

Fernando SIRINGAN
Climate Change Commission
6th Floor, First Residences, 1557 J.P. Laurel
Street, Malacanang, San Miguel, Manila
Manila
Philippines
Tel.: +632 3641204
E-mail: fpsiringan@up.edu.ph

PORTUGAL

José lvaro Pimpão SILVA
IPMA
Rua C do Aeroporto de Lisboa, 1749-077
Lisbon
Portugal
Tel.: +351 218447101
E-mail: alvaro.silva@ipma.pt

REPUBLIC OF KOREA

In-seong HAN
National Institute of Fisheries Science
105-702, 182 yangun-ro, Haeundae-gu
Busan
Republic of Korea
Tel.: +82-51-720-2230
E-mail: hisjamstec@korea.kr

Nam Ouk KIM
Korea Meteorological Administration
61 16-gil Yeouidaebang-ro Dongjak-gu
Seoul
Republic of Korea
Tel.: +82-2-2181-0391
E-mail: nokim@kma.go.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

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

Junhee LEE
Korea Meteorological Administration
61 16-gil Yeouidaebang-ro Dongjak-gu
Seoul
Republic of Korea
Tel.: +82-2-2181-0401
E-mail: joon6210@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

RUSSIAN FEDERATION

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

Vladimir SEMENOV
A.M. Obukhov Institute of Atmospheric Physics
Russia, 119017, Moscow, Pyzhevsky per., 2,
Moscow
Russian Federation
Tel.: +7 (495) 951-55-65
E-mail: vasemenov@mail.ru

SAINT 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

Anselmo XAVIER FERNANDES
National Institute Of Meteorology
BP30 Airport
Sao Tom 
Sao Tome and Principe
Tel.: +2392224840
E-mail: axfernandes66@hotmail.com

Alexander NAUELS
Climate Analytics
gGmbH Ritterstrasse 3
Berlin
Germany
Tel.: +49 (0)30 259 22 95-41
E-mail: alex.nauels@climateanalytics.org

Carl-friedrich SCHLEUSSNER
Climate Analytics
Ritterstr. 3, 10969
Berlin
Germany
Tel.: +491775141559
E-mail: carl.schleussner@climateanalytics.org

SAUDI ARABIA

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

Rawan ALFEHAID
Ministry of Energy, Industry and Mineral
Resources
P.O.Box 247
Riyadh
Saudi Arabia
Tel.: +966553799660
E-mail: alfehaidr@gmail.com

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

Omar ALMULHEM
Ministry of Energy, Industry and Mineral
Resources
P.O.Box 6369
Dhahran
Saudi Arabia
Tel.: +966557376777
E-mail: Omer.almulhem@meim.gov.sa

Hesham ALZAHRANI
Ministry of Energy
P.O.Box 247
Dhahran
Saudi Arabia
Tel.: +966553889002
E-mail: Hesham.Zahrani@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

Albara TAWFIQ
Ministry of Energy, Industry and Mineral
Resources
P.O. Box. 6360, Code 31311
Dhahran
Saudi Arabia
Tel.: +966504996010
E-mail: albara_tawfiq@hotmail.com

SEYCHELLES

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

SINGAPORE

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

Winston CHOW
School of Social Sciences, Singapore
Management University
90 Stamford Road, Level 4, Singapore
Management University
Singapore
Tel.: +68261277
E-mail: winstonchow@smu.edu.sg

SOUTH AFRICA

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

SPAIN

Pino Maeso ALFONSO
Ministry for Ecological Transition
Calle Alcala 92
Madrid
Spain
Tel.: +34914361498
E-mail: apinomae@miteco.es

Martinez Castro IVAN
Ministry for Ecological Transition
C/ Alcala 92
Madrid
Spain
Tel.: +34914361525
E-mail: imartinez@miteco.es

Parmentier REMI
Varda Group
Calle de la Rioja 19, 28042 Madrid
Madrid
Spain
Tel.: +34913692990
E-mail: remi@vardagroup.org

SRI LANKA

Athula Kumara KARUNANAYAKE
Department of Meteorology
383, Bauddhaloka Mawatha, Colombo 07, Sri Lanka
Colombo
Sri Lanka
Tel.: +94112694104
E-mail: athu1970@yahoo.com

SWAZILAND

Jabulani HLATSHWAYO
Eswatini Meteorological Service
P. O. Box 2652
Mbabane
Swaziland
Tel.: +26824046274
E-mail: jhlatshwayo@gmail.com

SWEDEN

Magnus HIERONYMUS
SMHI
Folkborgsvägen 17
Norrköping
Sweden
Tel.: +46703005570
E-mail: magnus.hieronymus@smhi.se

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

Markku RUMMUKAINEN
SMHI, Swedish Meteorological and Hydrological
Institute
Folkborgsv. 17
Norrköping
Sweden
Tel.: +46114958605
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

Suriyan SARAMUL
Chulalongkorn University
Department of Marine Science, Faculty of Science,
Chulalongkorn University
Bangkok
Thailand
E-mail: Suriyan.S@Chula.ac.th

TOGO

Kokou SABI
Université de Lomé
BP: 1515 FDS-UL
Lomé
Togo
Tel.: +00228 22 36 39 01
E-mail: sabikokou@yahoo.fr

TRINIDAD AND TOBAGO

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

TURKEY

Buket AKAY
Ministry of Environment and Urbanization
Eskisehir Devlet Yolu (Dumlupinar Bulvari) 9. km.
No: 278 Cankaya
Ankara
Turkey
Tel.: +903125863164
E-mail: buket.akay@csb.gov.tr

Ayşe YILDIRIM COSGUN
Delegate
Directorate General for Water Management
Ministry of Agriculture and Forestry
Ankara
Turkey
Tel.: +903122076397
E-mail: ayse.yildirimcosgun@tarimorman.gov.tr

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

Tarquin DORRINGTON
Department for Environment, Food and Rural
Affairs
Seacole Block, 2 Marsham Street, London, SW1P
4DF
London
UK
Tel.: +44 208 026 4602
E-mail: Tarquin.Dorrington@defra.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

Amy WATERSON
Department for Business, Energy and Industrial
Strategy
1 Victoria Street
London
UK
Tel.: +44 7741 701300
E-mail: amy.watson@beis.gov.uk

Eleanor WEBSTER
Department for Business, Energy and Industrial
Strategy
1 Victoria Street
London
UK
Tel.: +44 207 215 5366
E-mail: eleanor.webster@beis.gov.uk

UKRAINE

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

UNITED REPUBLIC OF TANZANIA

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

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

UNITED STATES OF AMERICA

Farhan AKHTAR
U.S. Department of State
2201 C St NW, Suite 2480
Washington
United States of America
Tel.: -4337
E-mail: AkhtarFH@state.gov

Alice ALPERT
US Department of State
2201 C St NW, Suite 2480
Washington
United States of America
Tel.: -7141
E-mail: alperta@state.gov

Shallin BUSCH
NOAA
2725 Martlake Blvd E
Seattle WA 98125
United States of America
E-mail: shallin.busch@noaa.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

Meredith RYDER-RUDE
Department of State
2201 C St NW, OES/EGC, Suite 2480
Washington, DC
United States of America
Tel.: + (202) 647 6740
E-mail: RyderrudeMV@state.gov

Amy SHIELDS
US Environmental Protection Agency
EPA Region 7, 11201 Renner Blvd, Lenexa
Kansas 66219
United States of America
Tel.: +1 913 551 7396
E-mail: shields.amy@epa.gov

William SWEET
NOAA
1305 East West Highway
Silver Spring MD 20910
United States of America
E-mail: william.sweet@noaa.gov

David DOKKEN
IPCC WG2 TSU
1717 Pennsylvania Ave., NW
Washington, DC
United States of America
Tel.: + 1 202 419 3473
E-mail: ddokken@ipcc-wg2.gov

UZBEKISTAN

Raisa TARYANNIKOVA
The Centre of Hydrometeorological service of the
Republic of Uzbekistan
72, 1st Bodomzor Yuli str., Yunusobod distr.
Tashkent
Uzbekistan
Tel.: +998 71 237 3511
E-mail: uzhyomet@meteo.uz

VENEZUELA

Meimalin MORENO VILLALOBOS
Venezuelan Institute for Scientific Research
Carretera Panamericana Km 11
Caracas 1020-A
Venezuela
Tel.: +58 416 833 7795
E-mail: meimalinmoreno@gmail.com

YEMEN

Abdulqader ALKHARRAZ
Ministry of Water and Environment
Aden, khormaksar, 22 villa
Aden
Yemen
Tel.: +967 777 747 9801
E-mail: k-ecc@hotmail.com

ZAMBIA

Carol Mwape ZULU
Ministry of Lands and Natural Resources
P.O. Box 50694 Lusaka
Lusaka
Zambia
Tel.: +260 211 252 589
E-mail: cmwapezulu@gmail.com

ZIMBABWE

Elisha Nyikadzino MOYO
Climate Change Management Department
Ministry of Lands, Agriculture, Water, Climate and
Rural Resettlement 11th Floor, Kaguvi Building,
Corner 4th Street/Central Avenue,
Harare
Zimbabwe
Tel.: +263 470 1681
E-mail: enmoyo@gmail.com

OBSERVERS

AirClim

Marko RAINIKAINEN
AirClim
Första Långgatan 18
413 28 Göteborg
Sweden
Tel.: +46 0730434715
E-mail: marko.reinikainen@airclim.org

Climate Nexus US

Emma HUTCHINSON
Climate Nexus
322 8th Ave, Suite 601, New York, NY 10001
New York
United States of America
Tel.: +1 303-903-0597
E-mail: ehutchinson@climatenexus.org

Gabrielle LEVY
Climate Nexus US
1140 Connecticut Ave. NW, Suite 609,
United States of America
Tel.: +1 562-673-6974
E-mail: glevy@climatenexus.org

European Commission

Attilio GAMBARDELLA
CDMA 03/124,
1049 Brussels
Belgium
Tel.: +32 229-93110
E-mail: Attilio.GAMBARDELLA@ec.europa.eu

Zoltan RAKONCZAY
Rue du Champ de Mars 21
Brussels
Belgium
Tel.: +32 229-57522
E-mail: Zoltan.RAKONCZAY@ec.europa.eu

Philippe TULKENS
Rue Champ de Mars 21
Brussels
Belgium
Tel.: +32 229-86323
E-mail: Philippe.TULKENS@ec.europa.eu

European Union

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

Climate Action Network International

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

Greenpeace East Asia

Taehyun PARK
Greenpeace East Asia
6F, 257 Hangang-daero, Yongsan-gu
Seoul
Republic of Korea
Tel.: +82 02 3144 1994
E-mail: taehyun.park@greenpeace.org

Taehyun PARK
Greenpeace East Asia
6F, 257 Hangang-daero, Yongsan-gu
Seoul
Republic of Korea
Tel.: +82 02 3144 1994
E-mail: taehyun.park@greenpeace.org

Patrick FULLER
Greenpeace UK
Canonbury Villas
London
UK
Tel.: +44 02078658100
E-mail: patrick.fuller@greenpeace.org

Christopher THORNE
Greenpeace UK
Canonbury Villas
London
UK
Tel.: +44 02078658100
E-mail: chris.thorne@greenpeace.org

Mengjiao WANG
Greenpeace International
Innovation Centre, Phase 2
Exeter
UK
Tel.: +441392247920
E-mail: melissa.wang@greenpeace.org

Institute of Marine Engineering, Science & Technology (IMarEST)

Daniel STOKER
Institute of Marine Engineering, Science & Technology (IMarEST)
IMarEST, 1 Birdcage Walk
London
UK
Tel.: +00442073822688
E-mail: daniel.stoker@imarest.org

International Union of Geodesy and Geophysics (IUGG)

Franz KUGLITSCH
Telegrafenberg A17
Potsdam
Germany
Tel.: +49 331 288 1978
E-mail: fgkugl@gfz-potsdam.de

IPBES

Anne LARIGAUDERIE
IPBES
UN Campus
Bonn
Germany
Tel.: 492288150571
E-mail: anne.larigauderie@ipbes.net

Natural Resources Defense Council

Mai FUJII
Natural Resources Defense Council
40 West 20th Street
New York
Japan
Tel.: -10351
E-mail: m-fujii@spf.or.jp

Miko MAEKAWA
Natural Resources Defense Council
40 West 20th Street
New York
Japan
Tel.: -3813
E-mail: maekawa@spf.or.jp

Nagisa YOSHIOKA
Natural Resources Defense Council
40 West 20th Street
New York
Japan
Tel.: -10338
E-mail: n-yoshioka@spf.or.jp

Elizabeth SPEER
Natural Resources Defense Council
40 West 20th Street
New York
United States of America
Tel.: +1 212 727 4426
E-mail: lspeer@nrdc.org

Quaker United Nations Office (QUNO)

Lindsey COOK
Quaker United Nations Office (QUNO)
Annabergerstrasse 195
Bonn
Germany
Tel.: +4922818038202
E-mail: Lfcook@quno.ch

Detmer KREMER
Friends World Committee for Consultation
Quaker United Nations Office, 13 Ave du Mervelet
Geneva
Switzerland
Tel.: +41227484800
E-mail: detmerkrem@gmail.com

Third World Network

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

WWF International

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

Leanne CLARE
WWF
275 SLATER STREET, SUITE 810,
Ottawa, K1P 5H9
Canada
Tel.: 613-314-9210
E-mail: lclare@wwfcanada.org

Peter WINSOR
WWF
810-275 Slater Street
Ottawa, K1P 5H9
Canada
Tel.: +1 613-816-8648
E-mail: pwinsor@wwfcanada.org

Sarah Katharine AZAU
Observer Organization
WWF
Rue du Commerce
123 1000 Brussels
Belgium
Tel.: +32 473 573 137
E-mail: sazau@wwf.eu

Linwood PENDLETON
WWF
Rue Dumont d'Urville,
Plouzané, 29280
France
Tel.: +33 (0)7 82 83 18 23
E-mail: linwood.pendleton@wwf.org

Heike VESPER
Observer Organization
WWF
Monckebergstr 27
Hamburg
Germany
Tel.: +49 40 530 200 323
E-mail: heike.vesper@wwf.de

Reinhold PAPE
Observer Organization
Norra Allégatan 5
41301
Göteborg
Sweden
Tel.: +46 31-7114515
E-mail: reinhold.pape@snf.se

Roderick Hamish Downie DOWNIE
Observer Organization
WWF-UK
WWF UK The Living Planet Centre Rufford House,
Brewery Rd,
Woking GU21 4LL
UK
Tel.: +44 1483 426444
E-mail: rdownie@wwf.org.uk

Lauren Claire DUVEL
Observer Organization
WWF
Avenue du Mont-Blanc 27
Gland
UK
Tel.: +44 78 4614 331
E-mail: lduvel@wwfint.org

United Nations Environment Programme (UNEP)

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

UNFCCC

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

World Meteorological Organization

Elena MANAENKOVA
WMO
7bis Av. de la Paix
1211 Geneva
Switzerland
Tel.: +41 22 730 8300
E-mail: emanaenkova@wmo.int

REPORT AUTHORS

Nerilie ABRAM
Australian National University
ANU College of Science
Canberra ACT 2600
Australia
Tel.: +33 4 93 76 3859
E-mail: nerilie.abram@anu.edu.au

Nathaniel Lee BINDOFF
University of Tasmania
Hobart, 20 Castray Esplanade, Battery Point
Tasmania 7004
Australia
Tel.: +61 3 6226 2986
E-mail: n.bindoff@utas.edu.au

Kathleen MCINNES
CSIRO Oceans and Atmosphere
Marktstraße 3
Bremen
Australia
Tel.: +61 3 9239 4569
E-mail: kathleen.mcinnis@csiro.au

William CHEUNG
The University of British Columbia
Aquatic Ecosystem Research Laboratory, 2202
Main Mall
Vancouver BC V6T 1Z4
Canada
Tel.: 1 604 827 3756
E-mail: w.cheung@oceans.ubc.ca

Chris DERKSEN
Climate Research Division, Environment and
Climate Change Canada
4905 Dufferin St., 4th Floor, Office 4n611
Ontario, Toronto
Canada
Tel.: 416-739-5804
E-mail: Chris.Derksen@canada.ca

Valeria Ana GUINDER
Instituto Argentino de Oceanografía
Camino La Carrindanga km 7, 8000, Bahía Blanca
Buenos Aires
Argentina
Tel.: +542914861112
E-mail: vginder@criba.edu.ar

Sherilee HARPER
University of Alberta
3-521 Edmonton Clinic Health Academy, 11405-
87 Ave.
Alberta, T6G 1C9
Canada
Tel.: -4639
E-mail: sherilee.harper@ualberta.ca

Lijing CHENG
Institute of Atmospheric Physics, Chinese Academy
of Sciences
Institute of Atmospheric Physics, Chinese
Academy of Sciences, Chao Yang District
Beijing 1000029
China
Tel.: +86 13466723988
E-mail: chenglj@mail.iap.ac.cn

Helene JACOT DES COMBES
The University of the South Pacific
Marine Campus
Suva
Fiji
Tel.: +679 323 2192
E-mail: helenejdc@hotmail.com

Jean-pierre GATTUSO
Massey University, CNRS-Sorbonne Université
181 Chemin du Lazaret
F-06230 Villefranche - sur- mer
France
Tel.: +33493763859
E-mail: gattuso@obs-vlfr.fr

Alexandre MAGNAN
Institute for Sustainable Development and
International Relations
41 rue du Four
75006 Paris
France
Tel.: (+33) 6 68 60 75 39
E-mail: alexandre.magnan@iddri.org

Samuel MORIN
Météo- France - CNRS, Director of the Snow
Research Center
1441 rue de la piscine
38400 St. Martin d'heres, Paris
France
Tel.: +33 4 76 63 79 03
E-mail: samuel.morin@meteo.fr

Matthias GARSCHAGEN
Ludwig-Maximilians-Universität München
Luisenstrasse 37
München
Germany
Tel.: +492288150289
E-mail: m.garschagen@lmu.de

Jochen HINKEL
Global Climate Forum
Neue Promenade 6
10178, Berlin
Germany
Tel.: +49 30-2060738-20
E-mail: hinkel@globalclimateforum.org

Zita SEBESVARI
United Nations University, Institute for
Environment and Human Security
Platz der Vereinten Nationen 1,
D-53113 Bonn
Germany
Tel.: +497148312441
E-mail: sebesvari@ehs.unu.edu

Anjal PRAKASH
TERI School of Advanced Studies
Hyderabad Campus Sy. No. 37/1/2, Gopanpally,
Gachibowli
Telangana, 500032
India
Tel.: +9779818672578
E-mail: anjal.prakash@terisas.ac.in

Yukiko HIRABAYASHI
IIS, The University of Tokyo
Shibaura Institute of Technology
3-7-5 Toyosu, Koto-ku, Tokyo
Japan
Tel.: +49 0741 4831-2441
E-mail: hyukiko@rainbow.iis.u-tokyo.ac.jp

James KAIRO
Kenya Marine and Fisheries Research Institute
P.O. Box 81651
Mombasa,
Kenya
Tel.: +254722798468
E-mail: gkairo@yahoo.com

Evelia RIVERA-ARRIAGA
Institute EPOMEX
UAC. Campus 6, Av. Héroe de Nacozari No. 480
San Francisco de Campeche, Camp. 24029
Mexico
Tel.: +52 (981) 7500024
E-mail: evrivera@uacam.mx

Nathalie HILMI
Centre Scientifique de Monaco
San Francisco de Campeche, Camp. 24029
St. Claude L1 E7, 06130, Grasse
Monaco
Tel.: +33679701570
E-mail: hilmi@centrescientifique.mc

Golam RASUL
International Center for Integrated Mountain
Development
Khumaltar, Lalitpur, Kathmandu, Nepal G.P.O. Box
3226
G.P.O. Box 3226 Kathmandu,
Nepal
Tel.: +977 9 841472058
E-mail: golam.rasul@icimod.org

Roderik VAN DE WAL
Utrecht University
3584CC, Utrecht
Netherlands
Tel.: +31302533259
E-mail: r.s.w.vandewal@uu.nl

Bruce GLAVOVIC
Massey University
Privaate Bag 11222
Palmerston North 4442
New Zealand
Tel.: +6421856339
E-mail: b.glavovic@massey.ac.nz

Martin SOMMERKORN
WWF
PO Box 6784
Oslo
Norway
Tel.: +47 926 06 995
E-mail: msommerkorn@wwf.no

Alexey EKAYKIN
Arctic and Antarctic Research Institute
38 Bering Str.,
St. Petersburg, 199397
Russian Federation
Tel.: +48123373162
E-mail: ekaykin@aari.ru

Carolina ADLER
Mountain Research Initiative
CH-3012
Bern
Switzerland
Tel.: +41 (0)31 631 51 41
E-mail: carolina.adler@giub.unibe.ch

Thomas FRÖHLICHER
University of Bern
Sidlerstrasse 5,
Bern
Switzerland
Tel.: +41446339359
E-mail: froelicher@climate.unibe.ch

Stephan GRUBER
Carleton University
1125 Colonel By Drive,
Ottawa ON K1S 5B6
Canada
Tel.: +41446320352
E-mail: stephan.gruber@carleton.ca

Michael SUTHERLAND
University of the West Indies
St. Augustine
St. Augustine
Trinidad and Tobago
Tel.: +47148312441
E-mail: michael.sutherland@sta.uwi.edu

Matthew COLLINS
University of Exeter
Laver Building, North Park Road
Exeter, EX 4 4QE
UK
E-mail: M.Collins@exeter.ac.uk

Michael MEREDITH
British Antarctic Survey
High Cross Madingley Road
Cambridge, CB3 0ET
UK
Tel.: +44 1223 221586
E-mail: mmm@bas.ac.uk

Alessandro TAGLIABUE
University of Liverpool
4 Brownlow Street
Liverpool L69 3GP
UK
Tel.: +151 794 4096
E-mail: a.tagliabue@liverpool.ac.uk

Phillip WILLIAMSON
Report Authors
Natural Environment Research Council
University of East Anglia
NR47TJ, Norwich
UK
Tel.: +44 1603 593111
E-mail: p.williamson@uea.ac.uk

So-min CHEONG
Report Authors
University of Kansas
Lindley Hall, RM 221, 1475 Jayhawk Blvd.,
Lawrence, KS 66045-7594
United States of America
Tel.: +49 0471-4831-2440
E-mail: somincheong@gmail.com

Rob DECONTO
University of Massachusetts-Amherst
Amherst, MA 01003
United States of America
Tel.: 4135453426
E-mail: deconto@geo.umass.edu

Robert HALLBERG
National Oceanic and Atmospheric Administration,
Geophysical Fluid Dynamics Laboratory
201 Forrestal Road, Princeton
New Jersey, 08540-6649
United States of America
Tel.: +5351
E-mail: robert.hallberg@noaa.gov

Regine HOCK
University of Alaska Fairbanks
2156 Koyukuk Drive, Fairbanks
Alaska 99775-7320
United States of America
Tel.: +1907 474 7691
E-mail: rehock@alaska.edu

Anne HOLLOWED
National Oceanic and Atmospheric Administration,
Alaska Fisheries Science Center
7600 Sand Point Way, NE
Seattle, WA 98115
United States of America
Tel.: +1206-526-4223
E-mail: anne.hollowed@noaa.gov

Michael OPPENHEIMER
Princeton University
Geosciences and International Affairs
Princeton, NJ 08544
United States of America
Tel.: +1609-731-1216
E-mail: omichael@princeton.edu

Ben ORLOVE
Columbia University
International Affairs Building, Rm 833
New York
United States of America
Tel.: +12128541543
E-mail: bso5@columbia.edu

Ted SCHUUR
Northern Arizona University
Northern Arizona University, Flagstaff
AZ, 86011 Arizona
United States of America
Tel.: +1907148312441
E-mail: ted.schuur@nau.edu

SECRETARIAT

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

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

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

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

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

Judith EWA
IPCC
7bis Avenue de la Paix
Geneva
Switzerland
Tel.: +4122 730 8087
E-mail: jewa@wmo.int

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

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

Andrea PAPUCIDES BACH
IPCC
7bis av. de la Paix
Geneva
Switzerland
Tel.: +41792614785
E-mail: apapucidesbach@wmo.int

Nina PEEVA
IPCC
c/o WMO 7bis Av. de la Paix
Geneva
Switzerland
Tel.: +41 22 730 8120
E-mail: npreeva@wmo.int

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

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

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

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

CONFERENCE OFFICER

Elhousseine GOUAINI
WMO
7bis Avenue de la Paix
Geneva
Switzerland
Tel.: +41 22 7308060
E-mail: egouaini@wmo.int

Adriana OSKARSSON
WMO
7bis Av. de la Paix
Geneva
Switzerland
E-mail: aoskarsson@wmo.int

TECHNICAL SUPPORT UNIT AND TASK GROUPS

Anna PIRANI
Head, TSU WGI
Str. Costiera, 11
Trieste
Italy
Tel.: +39 040 224 0111
E-mail: anna.pirani@universite-paris-saclay.fr

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

Melissa GOMIS
IPCC WGI
Route de l'orme des Merisiers
St Aubin
France
E-mail: melissa.gomis@universite-paris-saclay.fr

Robin MATTHEWS
IPCC WGI 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

Clotilde PEAN
IPCC WGI 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

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

Andr s ALEGR A
IPCC WGII TSU
Marktstra e 3
Bremen
Germany
Tel.: +49 152 59062141
E-mail: andres.alegria@ipcc-wg2.awi.de

Anka FREUND
IPCC WGII TSU
Marktstra e 3
Bremen
Germany
Tel.: +49 176 642 91079
E-mail: anka.freund@ipcc-wg2.awi.de

Martin KUNSTING
IPCC WGII TSU
Steenwich 26
Hamburg
Germany
Tel.: +49 040 69 79 45 72
E-mail: kuensting@kabelmail.de

Stefanie LANGSDORF
IPCC WGII TSU
Marktstra e 3
Bremen
Germany
Tel.: +49 1626553441
E-mail: stefanie.langsdorf@ipcc-wg2.awi.de

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

Maike NICOLAI
IPCC WGII TSU
Marktstrasse 3
Bremen
Germany
Tel.: +49 471 4831 2445
E-mail: maike.nicolai@ipcc-wg2.awi.de

Jan PETZOLD
IPCC WGII TSU
Marktstra e 3
28195 Bremen
Germany
Tel.: +49 417 4831 2446
E-mail: jan.petzold@ipcc-wg2.awi.de

Elvira POLOCZANSKA
Alfred-Wegener-Institut
Marktstrasse 3
Bremen
Germany
Tel.: +49 471 4831 2443
E-mail: elvira.poloczanska@ipcc-wg2.awi.de

Bardhyl RAMA
IPCC WGII TSU
Marktstrasse 3
28195 Bremen
Germany
Tel.: +49 471 4831 2438
E-mail: bardhyl.rama@ipcc-wg2.awi.de

Jussi SAVOLAINEN
IPCC WGII TSU
Marktstrasse 3
Bremen
Germany
Tel.: +49 471 4831 2441
E-mail: jussi.savolainen@ipcc-wg2.awi.de

Stefan WEISFELD
IPCC WGII TSU
Marktstrasse 3
28195 Bremen
Germany
Tel.: +49 471 4831 2441
E-mail: stefan.weisfeld@ipcc-wg2.awi.de

Nora WEYER
IPCC WGII TSU
Marktstrasse 3
Bremen
Germany
Tel.: +49 17651164675
E-mail: nora.weyer@ipcc-wg2.awi.de

David DOKKEN
IPCC WGII TSU
1800 G Street NW Suite 9100
Washington D.C.
United States of America
Tel.: 1 202 223 6262
E-mail: ddokken@usgcrp.gov

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

Katie KISSICK
Head IPCC WGIII TSU
Weeks Building, Imperial College
London
UK
Tel.: +44 20 759 41057
E-mail: k.kissick@ipcc-wg3.ac.uk

Sandro FEDERICI
TFI Head, C/o Institute for Global Environmental
Strategies (IGES)
2108-11 Kamiyamaguchi, 240-0115
Hayama
San Marino
Tel.: +81 46 855 3754
E-mail: federici@iges.or.jp

ENB Reporting Services

Aaron COSBEY
ENB
IISD Reporting Services (ENB)
Box 850, Rossland, BC, Canada
Rossland
Canada
Tel.: +1 250 521 3059
E-mail: acosbey@gmail.com

Deborah DAVENPORT
ENB
IISD Reporting Services (ENB)
300 East 56th Street Apt 11D
New York
United States of America
Tel.: -2204
E-mail: deborah@iisd.org

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

Leila MEAD
ENB
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

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