



INTERGOVERNMENTAL PANEL ON CLIMATE CHANGE

TWENTY-THIRD SESSION Addis Ababa, 8 April 2005 IPCC-XXIII/Doc. 3 (28.III.2005)

ENGLISH ONLY

DRAFT REPORT OF THE 22ND SESSION OF THE IPCC (New Delhi, 9-11 November 2004)

(Submitted by the Secretariat)

DRAFT REPORT OF THE 22ND SESSION OF THE IPCC (New Delhi, 9-11 November 2004)

1. OPENING OF THE SESSION

The session opened on Tuesday, November 9, 2004 after a lighting of lamp ceremony by H.E. Mr Thiru A. Raja, Minister of Environment and Forests, India and other dignitaries. Following this Mr Prodipto Ghosh, Secretary, Indian Ministry of Environment and Forests made introductory remarks and Mr Rajendra Pachauri, Chairman of IPCC addressed the session. Other opening addresses were delivered by Mr Michel Jarraud, WMO Secretary-General, Mr Klaus Töpfer, UNEP Executive Director, Mr Halldor Thorgeirson, UNFCCC SBSTA Coordinator, on behalf of Ms Joke Waller-Hunter, Executive Secretary of the UNFCCC, and Mr Thiru A. Raja. Mr Raja noted the significance of ensuring that the findings of the Fourth Assessment Report (AR4) reach the public at large, and the need for AR4 to highlight research in developing countries. UNEP Executive Director Klaus Töpfer highlighted the significance of the work of the IPCC for related policy processes, and commended the increased involvement by women and developing country authors in the AR4. Mr Halldor Thorgeirsson highlighted the importance placed by the UNFCCC on climate monitoring, the ongoing revision of the greenhouse gas (GHG) reporting guidelines, and good practice guidance on land use, land-use change and forestry.

Before the start of the 22nd session, delegates were informed that a team of the Earth Negotiations Bulletin (ENB) was present and ready to report. It was decided to allow ENB to report on the IPCC Plenary in the same manner as they report other international meetings and attribute statements to countries in their reporting.

The agenda as approved is attached as Annex 1, the list of attendees is in Annex 2.

2. APPROVAL OF THE DRAFT REPORT OF THE 21ST SESSION

The draft report of the 21st session was approved with an amendment by Switzerland clarifying an intervention on the outcomes of the meeting on processes affecting terrestrial carbon stocks and human influences upon them.

3. PROGRESS REPORTS

3.1 WORKING GROUP CONTRIBUTIONS TO THE AR4

3.1.1 WORKING GROUP I PROGRESS ON AR4

Mr Dahe Qin (China), Working Group I Co-Chair, highlighted progress towards the completion of the Working Group I contribution to AR4 (IPCC-XXII/Doc. 9). He noted that a draft report will be considered in May 2005 at the Second Lead Authors meeting in Beijing.

3.1.2 WORKING GROUP II PROGRESS ON AR4

Mr Martin Parry (UK), Working Group II Co-Chair, introduced the Working Group II report (IPCC-XXII/Doc. 10). He said the group is on course to produce its report in a timely manner, stating that it has selected authors, emphasizing the need for balanced geographic representation and involving scientists new to the IPCC.

3.1.3 WORKING GROUP III PROGRESS ON AR4

Mr Ogunlade Davidson (Sierra Leone), Working Group III Co-Chair referred to Working Group III report (IPCC-XXXII/Doc. 11) on progress related to the AR4, and noted that the group has attempted to increase regional representation on its AR4 team and introduce new authors into the writing process. He called attention

to upcoming meetings on integrating adaptation and mitigation and sustainable development, and on emissions scenarios.

The Panel decided that the second meeting on the development of new scenarios planned for June 2005 should take place as a workshop, and involve wider participation.

3.2 SPECIAL REPORT ON SAFEGUARDING THE OZONE LAYER AND GLOBAL CLIMATE SYSTEM: ISSUES RELATED TO HYDROFLUOROCARBONS AND PERFLUOROCARBONS

Mr Bert Metz (the Netherlands), Working Group III Co-Chair, introduced document IPCC-XXII/Doc. 13/Rev.1, reviewed changes in the report's scope and said it would be completed by April 2005.

3.3 SPECIAL REPORT ON CARBON DIOXIDE CAPTURE AND STORAGE

Working Group III Co-Chair Mr Metz introduced document IPCC-XXII/Doc. 14 and said completion of this report has been delayed until September 2005 to take full account of new literature in the field. He also noted the positive experience with anonymous expert review.

The question of financial implications of the shift in schedule including panel acceptance of the two Special Reports was raised and it was agreed to address the matter under items 7. and 10.

3.4 2006 IPCC GUIDELINES FOR NATIONAL GREENHOUSE GAS INVENTORIES

Ms Thelma Krug (Brazil), Co-Chair of the Task Force Bureau on National GHG Inventories, reported that five lead authors meetings have been held covering all five volumes of the guidelines (IPCC-XXII/Doc.12). She said methodologies for estimating harvested wood products may be included, and noted that the guidelines would aim to provide further guidance on improving consistency of reporting for carbon dioxide emissions. Noting the complexity and uncertainties regarding the aerosols issue, Mr Taka Hiraishi (Japan), Co-Chair of the Task Force Bureau on National GHG Inventories introduced document IPCC-XXII/Doc.16, which contains a proposal for an expert meeting.

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

The IPCC Secretary, Ms Renate Christ, introduced the progress report on the TGICA (IPCC-XXII/Doc.15), highlighting outcomes of the first meeting under its new mandate, held in September 2004. She noted that participants considered several issues, including facilitating access to new General Circulation Model archives, capacity building, and socioeconomic data.

4. SCOPE, CONTENT AND PROCESS FOR AN AR4 SYNTHESIS REPORT

The proposal for a Synthesis Report (SYR) of the IPCC Fourth Assessment Report (IPCC-XXII/Doc. 5) was presented by the Chair. On Wednesday, November 10, delegates expressed divergent as well as convergent views. Most agreed the AR4 Synthesis Report should be produced and published in time for submission to the 13th Conference of the Parties to the UNFCCC (COP-13). Some issues raised were:

- Quality of the report
- Basis being Working Group reports
- Content and outline. For example, inclusion of issues like uncertainty, mitigation measures, risk assessment in extreme events and future climate change, as well as cross cutting themes placement whether integrated in text or confined to one section.
- Sustainable development context

- Length of the report and the Summary for Policymakers
- Geographical balance and representation of developing regions in the drafting teams
- Procedures for the production of the Synthesis Report
- Timing
- Human resource availability
- Need for flexibility in picking best authors
- Views regarding whether to follow a parallel process vs. sequential process in the drafting process
- Avoidance of potential inconsistencies in the process

A contact group on the SYR was formed and led by co-chairs Mr Ismail A. El-Gizouli (Sudan) and Mr Geoff Love (Australia). The group met several times and produced a progress report including guidance to the plenary on document content, document length, and matters related to the timing of the Synthesis Report. The report of the contact group and a revised proposal for the AR4 SYR contained in document IPCC-XXII/Doc. 5, Rev.1 were presented to the plenary. The Chair also noted that a schedule had been developed in co-operation with the Working Group Co-Chairs, that would allow delivery of the AR4 SYR to COP-13, while ensuring a high quality report that is based on the approved working group contributions to the AR4.

The revised document was reviewed and approved by the Plenary. It was agreed to produce the AR4 Synthesis Report (up to 30 pages including maps and figures) and its SPM (up to 5 pages of text) which would be adopted and approved in the week of 22 October, 2007 to allow delivery of an unedited version of the AR4 SYR to UNFCCC COP-13, scheduled to take place during 5-16 November 2007. The structure of the AR4 SYR would follow the agreed topic headings and the cross cutting themes would be addressed throughout the report. Yuri Izrael of the Russian Federation expressed in this context his reservation about the fact that stabilization is not explicitly mentioned in the topic headings.

The document also lays out the process regarding composition of the writing team, time schedule, and management of the Synthesis Report. The IPCC Chair indicated that he would ask the UNFCCC Secretariat to consider postponing COP-13 by about four weeks to facilitate the IPCC being able to meet the proposed schedule.

The final approved document on scope, content and process for the preparation of the AR4 SYR is contained in Annex 3 to this report.

5. AR4 PRODUCTS

The IPCC Secretary presented document IPCC-XXII/Doc. 6 on AR4 products. She noted that it reflected points raised by a contact group convened at the 31st Session of the IPCC Bureau in April 2004. Delegates discussed: 1) the preparation of graphics for the reports of the working groups as well as the cost, 2) the importance of providing regionally relevant information and datasets, and 3) whether to address regional issues in the Working Group reports. The need to urgently agree how to incorporate a regional index into the working group reports was noted. The Secretariat was asked to follow up with the Co-Chairs and TSUs. Working Group II Co-Chair Mr Martin Parry described two approaches for indexing regional information. He explained that the first is based on a content analysis of the final text, while the second involves the authors making note of the topic and region concerned by each reference in the report. For the latter approach, he noted the need to first discuss such an approach with authors. Delegates also discussed: 1) whether datasets or models should be labelled as "IPCC approved", 2) making the simple models used to produce graphics in reports available with its source code and parameters, and 3) the need to determine user requirements for technical papers.

6. OUTREACH

The IPCC Secretary presented document IPCC-XXII/Doc. 7 on IPCC Outreach. Delegates supported further work on outreach for the AR4, but had different views regarding how such outreach would be performed, what

set of people could be appropriate spokespeople for the IPCC, and what type of outreach products were appropriate. Some delegations supported hiring a full-time person to oversee outreach, while others supported proceeding on a contract basis for required skills. Various other differences of opinion were expressed in plenary. It was decided that the IPCC would continue to hire individuals when needed on a contract-basis to provide the skills necessary for various outreach activities, to develop a full outreach strategy, and to work with the TSUs of Working Groups I and III on outreach with regard to the two upcoming special reports as a first priority, and build on this experience for AR4 outreach activities in the coming years. The Secretariat was asked to elaborate a longer-term outreach strategy.

The Outreach Task Group met twice under chairman Mr John Stone (Canada). He presented an interim report which noted that the four fact sheets on the IPCC process prepared by the Secretariat were extremely useful and should be translated, and supported the proposed information brochure about the IPCC history. Several participants suggested a process for preparation of information material of substantive nature that might be based on the procedures for the preparation of Technical Papers. The final report presented to Plenary on the last day was not discussed further. It is attached as Annex 4.

7. IPCC PROGRAMME AND BUDGET FOR 2005 TO 2008

The IPCC Secretary presented document IPCC-XXII/Doc. 4, Rev.1 regarding the IPCC Budget for 2005-2008. She mentioned 1) the efforts to level annual expenditures, 2) good contributions from members, and 3) reasons for increased requirements for 2005 such as separate plenary sessions for the approval of the two Special Reports. The Financial Task Force, co-chaired by Mr Marc Gillet Mr Chen Zhenlin met several times and presented a revised budget and a draft decision contained in document IPCC-XXII/Doc. 17. Participants debated also the necessity of an increased budget for outreach. The Panel agreed with the proposal for timing, scope and duration of the Working Group Plenary sessions to approve the two Special Reports and for IPCC-23 and IPCC-24, encouraged the Working Group Bureaus, the Task Force Bureau and the Co-Chair of the TGICA to continue providing the Secretariat with early notice of planned meetings and other activities proposed to be funded by the IPCC Trust Fund. It also recommended that the Secretariat continue regularly updating and presenting the annual rate of voluntary cash contributions to the IPCC Trust Fund, and communicating this information to governments and other contributors when seeking voluntary contributions to the Trust Fund. The Panel also expressed gratitude to governments, the WMO, UNEP, UNFCCC and The Energy and Resources Institute (TERI) for their contributions and thanked the IPCC Chair and Secretary for their efforts to widen the basis of financial contributors to the IPCC. It invited governments to contribute to the IPCC Trust Fund and requested the Chair to formally write to governments and other possible contributors requesting such contributions.

The Panel adopted the Budget for the year 2005, took note of the forecast budget for 2006 and the indicative budget for 2007 and 2008 and adopted the decision, as contained in Annex 5.

8. ELECTION PROCEDURES

The IPCC Secretary introduced document IPCC-XXII/Doc. 8 in plenary on Thursday morning. Open-ended Task Group on Election Procedures Co-Chair David Warrilow (UK) highlighted the need for discussions on the replacement of Bureau members, the nominations committee, size of the Bureau, and using UNFCCC rules as a model. Issues discussed included: implications of using provisions taken from UNFCCC rules of procedure that have not yet been agreed by that body; consistency among provisions; and nomination procedures; the need for a definition of the assessment cycle or for an end date for each Bureau term. It was recommended by some delegations that in general the WMO rules should be used as a model, others urged fair regional representation on the Bureau, or noted the need for further discussions on the nominations committee. Delegates also discussed the size of the Bureau and the replacement of Bureau members in midstream. The Panel agreed to ask members to forward comments to the Co-Chairs of the Election Procedures Group and to the Secretariat by 15 January 2005, and agreed that the contact group would prepare a revised draft for consideration by IPCC-24.

9. OTHER BUSINESS

In response to the suggestion that the Chair would contact the UNFCCC Executive Secretary to determine if COP-13 could be postponed by one month, the UNFCCC representative stated that he would also inform the UNFCCC Executive Secretary, but noted that this would be a decision of the Parties.

10. TIME AND PLACE OF THE NEXT SESSION

The Chair and IPCC Secretary proposed that the next official session of the plenary (IPCC-XXIII) be held on the 8th of April immediately following the Second Joint Session of the IPCC Working Groups I and III to be held in Addis Ababa, Ethiopia from 6-8 April 2005. The only substantive item on the agenda of IPCC-23 would be the acceptance of the IPCC/TEAP SR Safeguarding the Ozone Layer and the Global Climate System. IPCC-24 is planned for late September 2005.

11. CLOSING OF THE SESSION

The Chair thanked India for hosting the session, and closed the meeting at 6:26 pm on Thursday, November 11, 2004.



INTERGOVERNMENTAL PANEL ON CLIMATE CHANGE



INTERGOVERNMENTAL PANEL ON CLIMATE CHANGE TWENTY-SECOND SESSION New Delhi, 9-11 November 2004 Annex 1

IPCC-XXII/Doc. 1 (05.VIII.2004) Agenda item: 1 ENGLISH ONLY

PROVISIONAL AGENDA

1. OPENING OF THE SESSION

2. APPROVAL OF THE DRAFT REPORT OF THE 21st SESSION (Doc. 3)

3. PROGRESS REPORTS

- 3.1 Working Group contributions to the AR4
- 3.2 Special Report on Safeguarding the Ozone Layer and the Global Climate System: Issues Related to Hydrofluorocarbons and Perfluorocarbons
- 3.3 Special Report on Carbon Dioxide Capture and Storage
- 3.4 2006 IPCC Guidelines for National Greenhouse Gas Inventories
- 3.5 Task Group on Data and Scenario Support for Impact and Climate Analysis (TGICA)
- 3.6 Other relevant activities

4. SCOPE, CONTENT AND PROCESS FOR AN AR4 SYNTHESIS REPORT (Doc. 5)

- 5. AR4 PRODUCTS (Doc. 6)
- 6. OUTREACH (Doc. 7)
- 7. IPCC PROGRAMME AND BUDGET FOR 2005 TO 2008 (Doc. 4)
- 8. ELECTION PROCEDURES (Doc. 8)
- 9. OTHER BUSINESS
- 10. TIME AND PLACE OF THE NEXT SESSION
- 11. CLOSING OF THE SESSION

Annex 2



LIST OF PARTICIPANTS

Intergovernmental Panel on Climate Change Twenty-Second Session New Delhi, 9-11 November 2004

N.B. (H) - Head of Delegation (B) - IPCC Bureau member

1.	Rajendra K. PACHAURI Chairman of the IPCC TERI, Darbari Seth Block Habitat Place, Lodhi Road New Delhi 110 003 INDIA Tel: +91 11 2468 2121/2 Fax: +91 11 2468 2144/5 E-mail: pachauri@teri.res.in	(B)	6.	Ian CARRUTHERS Australian Greenhouse Office Department of the Environment and Heritage GPO Box 621 Canberra ACT 2601 AUSTRALIA Tel: +61 2 6274 1405 Fax: +61 2 6274 1478 E-mail: ian.carruthers@deh.gov.au	(H)
2.	Sadeequllah AHMADZAI Ministry of Irrigation, Water Resources & Environment Sanatarium Kabul AFGHANISTAN Tel: +70 284214 Fax: + E-mail: sadeequllah_ahmadzai@yahoo.com	(H)	7.	Geoff B. LOVE Bureau of Meteorology GPO Box 1289K Melbourne, VIC 3001 AUSTRALIA Tel: +613 9669 4558 Fax: +613 9669 4548 E-mail: g.love@bom.gov.au	(B)
3.	Ermira FIDA Ministry of Environment Climate Change Unit Rr."Durresit", 27 Tirana ALBANIA Tel: +355 42 25101/ 355 68 2029754 Fax: +355 32 270627 / 355 42 25101 E-mail: mirafida@icc.al.eu.org	(H)	8.	Peta MILLS Australian Greenhouse Office Department of the Environment & Heritage GPO Box 621 Canberra ACT 2601 AUSTRALIA Tel: +61 2 6274 1838 Fax: +61 2 6274 1439 E-mail: peta.mills@deh.gov.au	
4.	Adolfo P. ROSELLINI Asuntos Medio Ambientales Internacionales Esmeralda 1212, piso 14 1007 Buenos Aires ARGENTINA Tel: +54 11 4819 7406 Fax: +54 11 4819 7413/7622 E-mail: par@mrecic.gov.ar	(H)	9.	Penny WHETTON CSIRO Atmospheric Research Private Bag No. 1, Aspendale Victoria 3195 AUSTRALIA Tel: + 61 3 9239 4535 Fax: +61 3 9239 4444 E-mail: penny.whetton@csiro.au	
5.	Martiros TSARUKYAN Ministry of Nature Protection Dept. of Atmosphere Protection Government Bldg 3 35 Moscovian Str. Yerevan 375010 ARMENIA Tel: +3741 583 934	(H)	10.	Klaus RADUNSKY Federal Environment Agency Spittelauer Lände 5 A-1090 Vienna AUSTRIA Tel: +43 1 31304 5534 Fax: +43 1 31304 5959 E-mail: Klaus.Radunsky@umweltbundesamt.a	(H) tt
	Fax: +3741 583 933 E-mail: martiros@nature.am		11.	Umayra TAGHIYEVA Ministry of Ecology & Natural Resources 100 A, B. Aghayev Street Baku 370073 AZERBAIJAN Tel: +994 12 492 7143 / 441 7416 Fax: +994 12 492 5907 E-mail: utagiyeva@yahoo.com	(H)

8

- Jeffrey W. SIMMONS (H) 12. National Climate Committee Change Bahamas Environment, Science & Technology (BEST) Commission of Meteorology c/o Department Seaban House, Crawford Street P.O. N-8330 Box Nassau **BAHAMAS** Tel: +1242 356 3736 Fax: +1242 356 3739 jws.met@batelnet.bs E-mail: Shawkat Ali MIRZA 13. (H) Dept. of Environment Paribesh Bhaban, E-16 Agargaon Sher-E-Bangla Nagar Dhaka-1207 BANGLADESH Tel: +880 2 9111 379 Ext, 123 Fax: +880 2 9118 682 E-mail: mirza@doe-bd.org 14. Karen Nicole SMITH (H)
- 14. Kateli Nicole Shiff H Ministry of Housing, Lands & the Environment 1st Floor, S.P. Musson Building Hincks Street Bridgetown BARBADOS Tel: +1 246 467 5709 Fax: +1 246 437 8859 E-mail: smithka@gob.bb
- 15. Natalia GOLOVKO (H) Ministry of Natural Resources & Environmental Protection
 10, Kollektornaja Street
 220048 Minsk
 BELARUS
 Tel: +375 17 220 7454
 Fax: +375 17 2207454
 E-mail: nagolovko@tut.by
- Martine VANDERSTRAETEN (H) Belgian Federal Public Planning Service Science Policy Rue de la Science 8 B-1000 Brussels BELGIUM Tel: +32 22383 411 Fax: +32 2 230 5912 E-mail: vdst@belspo.be

- Philippe TULKENS

 (BELGIUM)
 TERI School of Advanced Studies
 Darbari Seth Block
 Habitat Place
 Lodhi road
 110 003 New Delhi
 India
 Tel: +26 11 6 0 39
 Fax:
 E-mail: ph.tulkens@mac.com
- 18. Jean-Pascal van YPERSELE (B) Institut d'Astronomie et de Géophysique G. Lemaître Université catholique de Louvain 2, chemin du Cyclotron B-1348 Louvain-la-Neuve BELGIUM Tel: +32 10 473296 or 97 Fax: +32 10 474722 E-mail: vanypersele@astr.ucl.ac.be
- 19. Dennis GONGUEZ (H) National Meteorological Service Philip Goldson International Airport P.O. Box 717 Belize City BELIZE Tel: +501 225 2011 Fax: +501 225 2011 E-mail: meteo@hydromet.gov.bz
- 20. Marilyn APARICIO EFFEN (H) Bolivian Nat. Climate Change Programme Calle Mercado No. 1328 Edificio Mariscal Ballivian Mezzanine La Paz BOLIVIA Tel: +591 2 220 0206 Fax: same E-mail: maparicio@mds.gov.bo or marilynaefen@yahoo.com.bo
- 21. Dorcas N. MASISI (H) Botswana Meteorological Services P.O. Box 10100 Gabarone **BOTSWANA** Tel: +267 395 6281 Fax: +267 395 6282 E-mail: dmasisi@gov.bw

22.	Mauro MEIRELLES de OLIVEIRA SANTOS Ministerio da Ciencia e Tecnologia Praia do Flamengo 200 - 24º And. 22210-901 Rio de Janeiro - RJ BRAZIL Tel: +55 21 2555 0306 Fax: +55 21 2555 0202 E-mail: mauromei@finep.gov.br	(H)
23.	Thelma KRUG Interamerican Institute for Global Change Studies National Institute for Space Research C.P. 515 12227-010 Sao Jose dos Campos BRAZIL Tel: +55 12 3945 6895 Fax: +55 12 3941 4410 E-mail: thelma@dir.iai.int	(B)
24.	Teodor IVANOV Ministry of Environment & Water 22, Maria Luiza Street 1000 Sofia BULGARIA Tel: +359 2 981 4112 Fax: +359 2 980 3926/3936/9641 E-mail: ivanovt@moew.government.bg	(H)
25.	Frederic N. OUATTARA Direction de la Météorologie 01 B.P. 576 Ouagadougou 01 BURKINA FASO Tel: +226 50 35 6032 Fax: +226 50 35 6039 E-mail: fouattara@hotmail.com	(H)
26.	Maurice SHIRAMANGA IGEBU (Institut Géographique du Burundi) B.P. 331 Bujumbura BURUNDI Tel: +257 40 2318 Fax: +257 40 2625 E-mail: igebu@cbinf.com	(H)
27.	Thy SUM Ministry of Environment, Climate Change Offic No. 48 Samdech Preah Sihanouk Chamkarmon Phnom Penh CAMBODIA Tel: +855 23 21 83 70 Fax: +855 23 21 83 70 E-mail: cceap@online.com.kh	(H) ce

Michel BELAND 28. Meteorological Service of Canada Environment Canada 2121 TransCanada Highway Dorval, QC H9P 1J3 CANADA Tel: +1 514 421 4771 Fax: +1 514 421 2106 E-mail: michel.beland@ec.gc.ca Paul EGGINTON 29. Climate Change Impacts and Adaptation Directorate Earth Sciences Sector Natural Resources Canada 601 Booth Street Ottawa, Ontario CANADA Tel: +1 613 947 4880 Fax: +1 613 992 0190 E-mail: paul.egginton@nrcan.gc.ca Tana LOWEN STRATTON 30. Climate Change and Energy Division Foreign Affairs Canada 111 Sussex Drive Ottawa, Ontario K1A 0G2 CANADA Tel: +1 613 944 6134 Fax: +1 613 944 0064 E-mail: tana.stratton@international.gc.ca Christian MARTIN 31. Natural Resources Canada 580 Booth Street, 19th floor Ottawa, Ontario K1A OE4 CANADA Tel: +1 613 996 4225 Fax: +1 613 947 6799 E-mail: christian.martin@nrcan.gc.ca John M.R. STONE 32. Meteorological Service of Canada Environment Canada, 4th floor, North Tower, Les Terrasses de la Chaudière 10 Wellington Street Hull, Quebec CANADA K1A 0H3 Tel: +1 819 997 3805 Fax: +1 819 994 8854

E-mail: john.stone@ec.gc.ca

(H)

(B)

- Joel-Urbain TETEYA (H) 33 Direction de la Météorologie nationale B.P. 941 Bangui **CENTRAL AFRICAN REPUBLIC** Tel: +236 61 4362 Fax: +236 61 4918 E-mail: juteteya@hotmail.com 34. Moussa TCHITCHAOU (H) Ministère de l'Environnement et de l'Eau Direction des Ressources en Eau et de la Météorologie B.P. 429 N'Djamena 429 CHAD Tel: +235 52 30 81/ 52 60 01 Fax: +235 52 38 39/ 52 20 31 E-mail: moussatchit@yahoo.fr Dahe OIN (H, B) 35. China Meteorological Administration 46, Zhongguancun Nandajie Beijing 100081 CHINA PEOPLE'S REPUBLIC OF Tel: +8610 6840 6662 Fax: +8610 6217 4797 E-mail: qdh@cma.gov.cn Zhenlin CHEN 36. China Meteorological Administration Dept. of International Cooperation 46 Zhongguancun Nandajie Beijing 100081 CHINA, PEOPLE'S REP. OF Tel: +86 10 6840 6662 Fax: +8610 6217 4797 E-mail: cdccc@cma.gov.cn 37. Xiaosu DAI
 - China Meteorological Administration Dept. of Forecasting Services & Disaster Mitigation 46, Zhongguancun Nandajie Beijing 100081 **CHINA PEOPLE'S REPUBLIC OF** Tel: +8610 6840 6732 Fax: +8610 6217 6290 E-mail: daixs@cma.gov.cn

- 38. Xiangwen KONG Ministry of Foreign Affairs Dept. of Treaty & Law No. 2 Chao Yang Men Nandajie Beijing 100701 CHINA, PEOPLE'S REPUBLIC OF Tel: +8610 6596 3254 Fax: +8610 6596 3257 E-mail: kongxiangwen@hotmail.com
- 39. Erda LIN Agrometeorology Institute Chinese Academy of Agricultural Sciences 12, Zhonghuan Cun South Street Beijing 100081 CHINA, PEOPLE'S REPUBLIC OF Tel: +8610 6211 9688 Fax: +8610 6211 9688 E-mail: lined@ns.ami.ac.cn
- 40. Jian LIU Chinese Academy of Sciences 52 Sanlike Road Beijing 100864 CHINA, PEOPLE'S REPUBLIC OF Tel: +8610 6859 7530 Fax: +8610 6851 2458 E-mail: jliu@cashq.ac.cn
- 41. Yong LUO China Meteorological Administration National Climate Centre Zhongguancun Nandajie Haidian Beijing 100081 CHINA, PEOPLE'S REPUBLIC OF Tel: +8610 6840 6488 Fax: +8610 6840 6488 E-mail: yluo@cma.gov.cn
- 42. Hongkui PANG China Meteorological Administration Office of General Affairs
 46 Zhongguancun Nandajie Beijing 100081
 CHINA, PEOPLE'S REP. OF Tel: +86 10 6840 6662
 Fax: +8610 6217 4797
 E-mail: guoji@cma.gov.cn

- 43. Qingxian GAO Chinese Research Academy of Environmental Sciences No 8, Daryougfang Anwai Beijing CHINA, PEOPLE'S REPUBLIC OF Tel: +8610 84915154 Fax: +8610 8491 5252 E-mail: gaoqx@craes.org.cn
 44. Cuihua SUN
 - National Development and Reform Commission No. 38 Yue Tan Nan Jie Beijing CHINA, PEOPLE'S REPUBLIC OF Tel: +8610 6850 2963 Fax: +8610 6850 2358 E-mail: suncuihua@yahoo.com.cn
- 45. Baoguo TIAN Ministry of Science and Technology 15-B Fuxing Road Beijing 100862 CHINA, PEOPLE'S REPUBLIC OF Tel: +86 10 5888 1436 Fax: +86 10 5888 1441 E-mail: tianbg@mail.most.gov.cn
- 46. Qingli WANG Ministry of Agriculture
 11, Nongzhanguan Nanbi Beijing 100026
 CHINA, PEOPLE'S REPUBLIC OF Tel: +8610 6419 3031
 Fax: +8610 6419 3031
 E-mail: shthjch@agri.gov.cn
- 47. Xiaoquan ZHANG Chinese Academy of Forestry Beijing CHINA PEOPLE'S REPUBLIC OF Tel: +8610 6288 9512 Fax: +8610 6288 8840 E-mail: xiaoquan@forestry.ac.cn
- 48. Guoguang ZHENG China Meteorological Administration 46, Zhongguancun Nandajie Beijing 100081 CHINA PEOPLE'S REPUBLIC OF Tel: +8610 6840 7140 Fax: +8610 6217 4239 E-mail: zgg@cma.gov.cn

César Augusto BUITRAGO GOMEZ (H) 49. Instituto de Hidrologia, Meteorologia y Estudios Ambientales Carrera 7 No. 32-16 Bogota **COLOMBIA** Tel: +57 1 3500111 Fax: +57 1 3500111 E-mail: cbuitrago@ideam.gov.co Jean-Marcellin MEGOT (H) 50. Mission Permanente du CONGO 11, Rue des Paquis 1201 Geneva Switzerland Tel: +41 22 731 8821 Fax: +41 22 731 8817 E-mail: mission.congo-brazza@deckpoint.ch Paulo MANSO SALGADO (H) 51. National Meteorological Institute P.O. Box 5583-1000 San Jose COSTA RICA Tel: +506 222 5616 x 106/108 Fax: +506 223 1837 E-mail: pmanso@imn.ac.cr Zvonimir KATUSIN (H) 52. Meteorological & Hydrometeorological Service Griec 3 HR-10000 Zagreb **CROATIA** Tel: +385 1 4565 706 Fax: +385 1 4851 903 E-mail: katusin@cirus.dhz.hr Tomas GUTIERREZ PEREZ 53. (H) CITMA/INST. Meteorologia Av. Roma de Casablanca Apartado 170 32 CP 11700 Habana 17 **CUBA** Tel: +537 867 0711 Fax: +537 33 8010/8670710 E-mail: tomasg@met.inf.cu or meteoro@ceniai.inf.cu

- Ramon PICHS MADRUGA (B) 54 Centro de Investigaciones de Economía Mundial (CIEM) Calle 22 No. 309, entre 3ra y 5a Avenida Miramar, Habana 13, CP 11300 **CUBA** Tel: +537 202 2958/209 2969 Fax: +537 204 2507 E-mail: rpichs@ciem.cu or ciem@ceniai.inf.cu Jan PRETEL (H) 55. Czech Hydrometeorological Institute Na Sabatce 17 14306 Praha 4 Komorany **CZECH REPUBLIC** Tel: +420 2 4403 2414 Fax: +420 2 4403 2415 E-mail: pretel@chmi.cz Anne Mette K. JØRGENSEN (H) 56. Danish Meteorological Institute Lyngbyvej 100 DK-2100 Copenhagen DENMARK Tel: +45 39 15 7450 Fax:+45 39 15 7460 E-mail:amj@dmi.dk Jes FENGER 57. National Environmental Research Institute Frederiksborgvej 399 DK-4000 Roskilde DENMARK Tel: +45 4630 1105 Fax: +45 4630 1112 E-mail: jfe@dmu.dk Jesper GUNDERMANN 58. Danish Environmental Protection Agency Ministry of Environment
- Ministry of Environment Strandgade 29 DK-1401 Copenhagen **DENMARK** Tel: +45 32 66 0266 Fax: +45 32 66 0131 E-mail: jgu@mst.dk
- 59. Hans LARSEN Risoe National Laboratory P.O. Box 49 DK-4000 Roskilde DENMARK Tel: +45 46 77 5101 Fax: +45 46 77 5199 E-mail: hans.larsen@risoe.dk

(B)

Juan MANCEBO (H) Secretaria de Estado de Medio Ambiente y Recursos Naturales Oficinas Gubernamentales, Bloque B Piso 1, Av. Mexico esq. Dr Delgado Santo Domingo **DOMINICAN REPUBLIC** Tel: +809 563 4461/472 0626 Fax: +809 472 0631 E-mail: jmancebo16@yahoo.com

60

- 61. Mohamed A. EL-SHAHAWY (H) Egyptian Environmental Affairs Agency (EEAA) 30 Misr Helwan El-Zyrae Rd Maadi Cairo 11728 EGYPT Tel: +202 525 81 64 Fax: +202 525 81 64 E-mail: mshahawy2000@yahoo.com
- 62. Antonio C.J. ARENAS ROMERO (H) Servicio Nacional de Estudios Territoriales (SNET) Ministerio de Ambiente Km. 5½ Carretera a Nueva San Salvador Avenida Las Mercedes, Frente al Circulo Militar y continuo al Parque de Pelota San Salvador EL SALVADOR Tel: +503 223 7792/283 2241 Fax: +503 223 7791 E-mail: aarenas@snet.gob.sv
- 63. Jaan SAAR (H) Estonian Meteorological and Hydrological Institute Rävala 8 Tallinn 10143 ESTONIA Tel: +273 5090 390 Fax: +372 645 4277 E-mail: jaan.saar@emhi.ee
- 64. Dula SHANKO (H) National Meteorological Services Agency PO Box 1090 Addis Ababa ETHIOPIA Tel: +251 1 236 286 Fax: +251 1 51 66 70 E-mail: du_shanko@yahoo.com

65. Raino HEINO Finnish Meteorological Institute P.O Box 503 FIN-00101 Helsinki FINLAND Tel: +358 9 1929 4120 Fax: +358 9 1929 4129 E-mail: raino.heino@fmi.fi
66. Marc GILLET

(H)

(H)

(B)

- Observatoire National sur les Effets du Réchauffement Climatique 39, rue Saint Dominique 75007 Paris **FRANCE** Tel: +33 1 42 75 87 17 Fax: +33 1 42 75 55 05 E-mail: marc.gillet@onerc.pm.gouv.fr
- 67. Jean JOUZEL Institut Pierre Simon Laplace Université Versailles Saint Quentin 23, rue du Refuge 78035 Versailles CEDEX FRANCE Tel: +33 1 39255816 Fax: +33 1 39255822 E-mail: jouzel@lsce.saclay.cea.fr
- 68. Michel PETIT CGTI 20, avenue de Ségur 75353 Paris 07 SP FRANCE Tel: +33 1 4319 5315 Fax: +33 1 4319 6809 E-mail: michel.petit@m4x.org
- 69. Bernard E. GOMEZ (H) Dept. of Water Resources 7 Marina Parade Banjul GAMBIA Tel: +220 422 4122 / 422 8216 Fax: +220 422 009 E-mail: be63gomez@yahoo.co.uk

70.	Bubu P. JALLOW	(B)
	Meteorology Division	
	Department of Water Resources	
	Marina Parade	
	Banjul	
	GAMBIA	
	Tel: +220 422 8216 / 991 1323	
	Fax: +220 422 5009 / 422 5344	
	E-mail: bubujallow@hotmail.com	
	or bubupateh@yahoo.com	
	or dwr@gamtel.gm	
	of dwi@gaintei.gin	
71.	Ramaz-Beglarovic CHITANAVA	(H)
,	State Dept. of Hydrometeorology	(11)
	150 Davida Agmashenebeli Ave.	
	Tbilisi 380012	
	GEORGIA	
	Tel: +995 32 953 682	
	Fax: +995 32 955 006	
	E-mail: ramazchitanava@rambler.ru	
72.	Ursula FUENTES	(H)
12.	Federal Ministry for the Environment	(11)
	Alexanderplatz 6	
	D-11055 Berlin	
	GERMANY	
	Tel: +49 18 88 305 2312	
	Fax: +49 18 88 10 305 2312	
	E-mail: ursula.fuentes@bmu.bund.de	
73.	Helmut KÜHR	
	German IPCC Coordination Office	
	Königswintererstraße 522	
	D-53227 Bonn	
	GERMANY	
	Tel: +49 228 4492 411	
	Fax: +49 228 4492 400	
	E-mail: helmut.kuehr@dlr.de	
	E-man. nemut.kuem@dn.de	
74.	Olav HOHMEYER	
	International Institute for Management	
	University of Flensburg	
	Auf dem Campus 1	
	D-24943 Flensburg	
	GERMANY	
	Tel: +49 461 805 2533	
	Fax: +49 461 805 2538	
	E-mail: hohmeyer@uni-flensburg.de	
	E-man. nonneyer(a)um-nensourg.de	

75.	Mohamed Fonikiry MARA Direction de la Météorologie BP 566 Conakry GUINEA Tel: +224 45 48 15/452106 Fax: +224 41 35 77 E-mail: meteogui@Leland-gn.org	(H)
76.	Manuel CARVALHO DE ALVARENGA Direccao Geral do Servico Meteorologico Naci Caixa Postal 75 1001 Bissau GUINEA-BISSAU Tel: +245 20 6906 Fax: +245 20 1753 c/o UNDP E-mail: dgmeteobissau@yahoo.fr	(H) onal
77.	Wilfrid SAINT JEAN Secrétaire d'Etat à l'Environnement 181, Haut de Turgeau Port-Au-Prince HAITI Tel: +509 246 2249 / 2459 Fax: +509 246 2248 / 245 7360 E-mail: wstjean@haitelonline.com	(H)
78.	Sandor KOCSIS Embassy of the Republic of HUNGARY 2/50-M, Niti Marg, Chanakyapuri New Delhi 110021 INDIA Tel: +91 11 2611 4737 Fax: + E-mail: butradedel@vsnl.in	(H)
79.	Chandrashekhar DASGUPTA TERI, Indian Habitat Centre Lodhi Road New Delhi INDIA Tel:+ Fax:+ E-mail: dasgupta@teri.res.in	
80.	G. SRINIVASAN Climate Change Analysis Group India Meteorological Dept. Mausam Bhawan Lodi Road New-Delhi 110003 INDIA	

Tel:+91 11 246 11 710 Fax:+91 11 246 11 710 E-mail:Srini@indmail.gov.in

R.K. SETHI 81. Ministry of Environment & Forests Paryavaran Bhavan, CGO Complex Lodi Road New Delhi 110003 INDIA Tel: +91 11 2436 Fax: +91 11 2436 E-mail: rksethi@menf.delhi.nic.in Anand PATWARDHAN 82. Indian Institute of Technology School of Management Powai, Mumbai INDIA Tel: +91 11 265 31299 Fax: +91 22 2572 3480 E-mail: anand@iitb.ac.in Shambhu SINGH 83. Department of Science & Technology Bhanwan, New Mehrauli Road New Delhi 110016 **INDIA** Tel: +91 11 268 645 70 Fax: +91 11 266 117 72 E-mail: Shambhuin@yahoo.com R.T.M. SUTAMIHARDJA (H, B) 84. Ministry of Environment Jalan D.I. Panjaitan Kav. 24 Kebon Nanas Jatinegara Jakarta 13410 **INDONESIA** Tel: +62 251 325811 / 324820 Fax: +62 251 325 811 / 324820 E-mail: suta-ipb@indo.net.id Mostafa JAFARI (H) 85. Islamic Republic of Iran Meteorological Organization P.O. Box 13185-461 Tehran **IRAN, ISLAMIC REPUBLIC OF** Tel: +98 21 204 2720 Fax: +98 21 204 4887 E-mail: mostafajafari@libero.it jafarimostafa@yahoo.com

- 86. Hedayat FAHMI Ministry of Energy No. 51 Falastin Avenue Tehran
 IRAN, ISLAMIC REPUBLIC OF Tel: +98 21 896 3582 Fax: + E-mail: hedayat_fahmi@yahoo.com
- 87. Ahmad Reza ASGHARI Embassy of the ISLAMIC REPUBLIC OF IRAN New Delhi INDIA Tel:+987 1466 269 Fax:+987 233 25 493 E-mail:AsghariAsadi@yahoo.com
- 88. Mohammad RAHIMI Islamic Republic of Iran Meteorological Organization P.O. Box 13185-461 Tehran
 IRAN, ISLAMIC REPUBLIC OF Tel: +98 21 600 0834 Fax: +98 21 600 0834 E-mail: mrahimi@irimet.net mrahimi_2001@yahoo.com
- 89. Nastaran RAHIMI Ministry of Energy Energy Affairs Building, 5th floor Shahrak-E-Gharb, end of Poonak Bakhtari Tehran
 IRAN, ISLAMIC REPUBLIC OF Tel: +98 21 808 6948 Fax: +98 21 808 4682 E-mail: rahimi@iranenergy.org.ir r_nastaran@yahoo.com
- 90. Saeed MOTESADDI ZARANDI Department of the Environment No. 187, Ostad Nejatolahi Street Tehran
 IRAN, ISLAMIC REPUBLIC OF Tel: +98 21 826 7996 Fax: +98 21 826 9920 E-mail: motesaddi@yahoo.com

- 91. Firooz SATTARI Ministry of Petroleum Taleghani Avenue N.I.O.C. Main building, 8th floor P.O. Box 1863 Tehran
 IRAN, ISLAMIC REPUBLIC OF Tel: +98 21 646 7035 Fax: +98 21 695 1563 E-mail: Sattari_Firooz@yahoo.com or F.Sattari@NIOC.org
- 92. Forood SHARIFI Ministry of Jihad-E-Agriculture F.R.W.M. Organization next to Ministry P.O. Box 19575 567 Tehran
 IRAN, ISLAMIC REPUBLIC OF Tel: +98 21 244 6514 Fax: +98 21 245 6505 E-mail: FS1338@yahoo.com Sharifi_Forood@hotmail.com
- 93. Abdollah TARAZ Management and Planning Organization Baharestan Square P.O. Box 11494 31 41 Tehran
 IRAN, ISLAMIC REPUBLIC OF Tel: +98 21 311 53 37 Fax: +98 21 311 46 46 E-mail: taraz@mporg.ir
- 94. Maria Michela MORESE (H) Ministry for the Environment and Territory Department for Environmental Research and Development Via Cristoforo Colombo, 44 00147 Roma ITALY Tel: +39 06 57228157 Fax: +39 06 57228177 E-mail: morese.michela@minambiente.it
- 95. Sergio CASTELLARI National Institute of Geophysics and Vulcanology Via Donato Creti, 12 40128 Bologna ITALY Tel: +39 51 4151445 Fax: +39 51 4151449 E-mail: castellari@bo.ingv.it

- Filippo GIORGI (B) 96. Physics of Weather and Climate Section The Abdus Salam Int. Centre for Theoretical **Physics** P.O. Box 586 (Strada Costiera 11 for courier mail) 34100 Trieste ITALY Tel: +39 040 2240 425 Fax: +39 040 2240 449 / 224 163 E-mail: giorgi@ictp.trieste.it 97. Dale RANKINE Meteorological Services 65 3/4 Half way Tree Road
 - (H)
 - Kingston 10 JAMAICA Tel: +1 876 929 3702 / 929 3706 Fax: +1 876 960 8990 E-mail: metservice.cbh@jamweb.net
- Harumi AKIBA 98. **Promotion Office** FRCGC 3173-25 Showa-machi, Kanazawa-ku Yokohama, Kanagawa 236-0001 **JAPAN** Tel: +81 45 778 5684 Fax: +81 45 778 5497 E-mail: harumi@jamstec.go.jp
- Tokunosuke FUJITANI 99. Meteorological Research Institute Japan Meteorological Agency 1-1 Nagamine Tsukuba, Ibaraki 305-0052 **JAPAN** Tel: +81 29 853 8530 Fax: +81 29 853 8549 E-mail: tfujitani@met.kishou.go.jp
- 100. Taka HIRAISHI (B) c/o Institute for Global Environmental Strategies 2108-11, Kamiyamaguchi, Hayama Kanagawa 240-0115 JAPAN Tel: +81 468 55 3750 Fax: +81 468 55 3808 E-mail: hiraishi@iges.or.jp
- 101. Ibuki HIRUTA GISPRI 3F, Shousen-Mitsui Bldg. 2-1-1 Toranomon, Minato-ku Tokyo 105-0001 JAPAN Tel: +81 3 5563 8800 Fax: +81 3 5563 8810 E-mail: hiruta@gispri.or.jp 102. Koji KADONO GISPRI 3rd Floor, Shousen-Mitsui Building, 2-1-1 Toranomon, Minato-ku Tokyo 105-0001 **JAPAN** Tel: +81 3 5563 8800 Fax: +81 3 5563 8810 E-mail: kadono@gispri.or.jp 103. Hiroki KONDO Integrated Modeling Research Program FRCGC 3173-25 Showa-machi, Kanazawa-ku Yokohama, Kanagawa 236-0001 **JAPAN** Tel: +81 45 778 5583 Fax: +81 45 778 5496 E-mail: hkondo@jamstec.go.jp 104. Anne McDONALD **Global Environmental Forum** Toranomon 10 Mori building, 5th floor 1-18-1 Toranomon, Minato-ku Tokyo 105-0001 JAPAN Tel: +81 3 3592 9735 Fax: +81 3 3592 9737 E-mail: annemcd@attglobal.net 105. Masahiro NISHIO **Environmental Policy Division** Ministry of Economy, Trade and Industry (METI) 1-3-1 Kasumigaseki, Chiyoda-ku Tokyo 100-8901 JAPAN

Tel: +81 3 3501 7830 Fax: +81 3 3501 7697 E-mail: nishio-masahiro@meti.go.jp

106. Yasuo TAKAHASHI Research and Information Office Ministry of the Environment 1-2-2 Kasumigaseki, Chiyoda-Ku Tokyo 100-8975 JAPAN Tel: +81 3 5521 8247 Fax: +81 3 3581 4815 E-mail: yasuo takahashi@env.go.jp 107. Takayuki TOKUHIRO Office of Research and Information Ministry of the Environment 1-2-2 Kasumigaseki, Chiyoda-Ku Tokyo 100-8975 JAPAN Tel: +81 3 5521 8247 Fax: +81 3 3581 4815 E-mail: takayuki tokuhiro@env.go.jp 108. Hiroshi YAMAGATA Director for Environmental Affairs Ministry of Economy, Trade and Industry (METI), 6th floor 1-3-1 Kasumigaseki, Chiyoda-ku Tokyo 100-8901 JAPAN Tel: +81 3 3501 1679 Fax: +81 3 3501 7697 E-mail: yamagata-hiroshi@meti.go.jp 109. Noriko YAMAGISHI Planning and Survey Global Environmental Forum Toranomon 10 Mori building, 5th floor 1-18-1 Toranomon, Minato-ku Tokyo 105-0001 JAPAN Tel: +81 3 3592 9735 Fax: +81 3 3592 9737 E-mail: jdv04746@nifty.com 110. Joshua WAIROTO Kenya Meteorological Department P.O. Box 30259 00100 GPO Nairobi **KENYA** Tel: +254 020 576957/60 Fax: +254 020 576955/ 577373 E-mail: joshua-wairoto@yahoo.co.uk joshua.wairoto@meteo.go.ke or

Department of Geography University of Nairobi P.O. Box 30197 Nairobi **KENYA** Tel: +254 2 4627 651 Fax: +254 2 336 885 E-mail: odingo01@yahoo.com or r.odingo@meteo.go.ke 112. Emilbek UMARALIEV (H) Ministry of Ecology & Emergencies of the Kyrgyz Republic Toktonalieva street, 2/1 **Bishkek KYRGYZSTAN** Tel: +996 312 54 1177 Fax: +996 312 54 1177 E-mail: ovs@mecd.bishkek.gov.kg 113. Syamphone SENGCHANDALA (H) Science Technology and Environment Agency (STEA) P.O. Box 2279 Ban: Sisavad Vientiane LAO, PEOPLE'S DEMOCRATIC REPUBLIC Tel: +856 21 218712/218712 Fax: +856 21 218712/218712 E-mail: syamphone sengchandala@yahoo.com 114. Andris LEITASS (H) Latvian Hydrometeorological Agency 165 Maskavas Street Riga, LV-1019 LATVIA Tel: +371 7032 600 Fax: +371 7145 154 E-mail: lhma@meteo.lv 115. Valdis BISTERS Climate and Renewable Energy Department Ministry of the Environment Peldu 25 Riga, LV-1019 LATVIA Tel: +371 7026 417 Fax: +371 7026 553 E-mail: valdis.bisters@vidm.gov.lv

111. Richard S. ODINGO

(B)

(H)

116.	Joalane MARUNYE MPHETHI Lesotho Meteorological Services P.O. Box 14515 Maseru 100 LESOTHO Tel: +266 22 324374 Fax: +266 22 325057 E-mail: joalane@lesmet.org.ls or rethabile55@hotmail.com	(H)	121.	Wan Azli WAN HASSAN Malaysian Meteorological Service Jalan Sultan Petaling Jaya Selangor MALAYSIA Tel: +603 7967 8226 Fax: +603 7955 0964 E-mail: wanazli@kjc.gov.my	(H)
117.	Arthur GAR-GLAHN Division of Meteorology Ministry of Transport P.O. Box 9041 Monrovia LIBERIA Tel: +2316 565 885 Fax: +231 22 78 38 E-mail: meteoliberia@yahoo.com	(H)	122.	Abdullahi MAJEED Ministry of Environment & Construction Huravee Building, 20-05 Ameer Ahmed Magu Male MALDIVES Tel: +960 323825 Fax: +960 322286 E-mail: abdullahi.majeed@environment.org	(H)
118.	Romualdas BRAZAUSKAS Environmental Quality Department Ministry of Environment A. Jaksto Street 4/9 LT-2600 Vilnius LITHUANIA Tel: +3705 2663 498 Fax: +3705 2663 663 E-mail: r.brazauskas@am.lt	(H)	123.	Birama DIARRA Direction Nationale de la Météorologie B.P. 237 Bamako MALI Tel: +223 229 6203 Fax: +223 229 2101/6203 E-mail: biramadia@yahoo.fr dnm@afribone.net.ml	(H)
119.	Nirivololona RAHOLIJAO Direction Générale de la Météorologie BP 1254 Ampandrianomby Antananarivo 101 MADAGASCAR Tel: +261 20 22 40832 Fax: +261 20 22 40581 E-mail: meteo@dts.mg	(H)		Mohamed El Hadi OULD TALEB Direction de l'Agriculture P.O. Box 4307 Nouakchott MAURITANIA Tel: +22 2 654 3582 Fax: +22 2 529 2757 E-mail: ouldtalebme@yahoo.fr Poorundeo RAMGOLAM	(H) (H)
120.	Gray K. MUNTHALI Meteorological Services P.O. Box 2 Chileka Blantyre MALAWI Tel: +265 1 692 333 Fax: +265 1 692 329 E-mail: gmunthali@metmalawi.com	(H)	125.	Ministry of Environment Ken Lee Tower 6th floor Barracks Street Port Louis MAURITIUS Tel: +230 212 4385 Fax: +230 212 6671 E-mail: poramgolam@mail.gov.mu	(н)

- 126. Adrian FERNANDEZ-BREMAUNTZ (H) Intituto Nacional de Ecologia SEMARNAT D.G. Investigacion sobre la Contaminación Urbana Regional y Global Periferico Sur 5000, 4º piso Col. Insurgentes Cuicuilco, Coyoacan 04530 Mexico, D.F. MEXICO Tel: +52 55 5424 6421 Fax: +52 55 5424 5404 E-mail: afernand@ine.gob.mx
- 127. Edmundo de ALBA ALCARAZ (B) Secretaria de Investigacion y Desarollo Universidad Nacional Autonoma de Mexico (UNAM) Edificio de Coordin. de Investig. Cientifica Circuito Exterior, Ciudad Universitaria 04510 Mexico D.F. MEXICO Tel: +52 55 5622 4278 Fax: +52 55 5606 1043 E-mail: edeaa@servidor.unam.mx
- 128. Valentina D. BELITSKAYA Unidad del Servicio Meteorológico Nacional. Av. Observatorio N° 192, Col. Observatorio Del. Miguel Hidalgo C.P. 11860 México, D.F MEXICO Tel: +52 55 2636 46 57 Fax: +52 55 2636 46 67 E-mail: valentina.davydova@cna.gob.mx
- 129. Abdelkader ALLALI (H, B) Ministry of Agriculture, Rural Development DPV B.P. 1387 Rabat MOROCCO Tel: +212 656 01170 Fax: +212 377 61557 E-mail: allali@mailcity.com
- HTAY OO KYI (H) Ministry of Transport Department of Meteorology and Hydrology Kaba-aye Pagoda Road, Mayangon 11061 Yangoon MYANMAR Tel: +95 1 665 669 Fax: +95 1 665 944/665 704 E-mail: dg.dmh@mptmail.net.mm
- 131. Emmanuel KAMBUEZA (H) Ministry of Works, Transport and Communication Meteorological Service Private bag 13224 Windhoek NAMIBIA Tel: +264 61 287 70 01 Fax: +264 61 208 70 09 E-mail: gvl@mawrd.gov.na 132. Bijaya K. VAIDYA (H) Dept. of Hydrology and Meteorology P.O. Box 406 Babar Mahal Kathmandu NEPAL Tel: +977 1 447 3382 Fax: +977 1 473 268 / 254 890 E-mail: metfordi@mos.com.np 133. Gerbrand J. KOMEN (H) Royal Netherlands Meteorological Institute KNMI P.O. Box 201 3730 AE De Bilt THE NETHERLANDS Tel: +31 30 2206 575 Fax: +31 30 2210 407 E-mail: komen@knmi.nl 134. Ronald FLIPPHI Directorate Climate Change & Industry Ministry of Housing, Spatial Planning & the Environment P.O. Box 30945 2500 GX Den Haag THE NETHERLANDS Tel: +31 70 339 4003 Fax: +31 70 339 1313 E-mail: ronald.flipphi@minvrom.nl 135. Bert METZ (B) RIVM P.O. Box 1 3720 BA Bilthoven THE NETHERLANDS Tel: +31 30 274 3990 Fax: +31 30 274 4464 E-mail: bert.metz@rivm.nl

- 136. Rob van DORLAND Royal Netherlands Meteorological Institute **KNMI** P.O. Box 201 3730 AE De Bilt THE NETHERLANDS Tel: +31 30 2206 775 Fax: +31 30 2210 407 E-mail: dorland@knmi.nl 137. Koos VERBEEK Royal Netherlands Meteorological Institute KNMI P.O. Box 201 3730 AE De Bilt THE NETHERLANDS Tel: +31 30 2206 759 Fax: +31 30 2210 407 E-mail: verbeek@knmi.nl 138. Andy REISINGER Climate Change Office Ministry for the Environment P.O. Box 10362 6001 Wellington **NEW ZEALAND** Tel: +64 4 916 7629 Fax: +64 4 916 7615 E-mail: andy.reisinger@mfe.govt.nz 139. David WRATT National Institute of Water & Atmospheric Research (NIWA) P.O. Box 14-901 Wellington NEW ZEALAND Tel: +64 4 386 0588 Fax: +64 4 386 0574 E-mail: d.wratt@niwa.cri.nz
- 140. Traore ABDOUL-KARIM Direction de la Météorologie Nationale BP 218 Niamey NIGER Tel: +227 732 160 / 734 992 Fax: +227 733 837 E-mail: traore.karim@caramail.com

- 141. Lihnu E. AKEH Nigerian Meteorological Agency No. 507 Pope John Paul II Maitama Abuja NIGERIA Tel: +234 9 413 0709 Fax: +234 9 413 0910 E-mail: elinweh@yahoo.com
 142. Samuel Ojo GBUYIRO Nigerian Meteorological Agency Strachan Street P.M.B. 12542 Lagos NIGERIA
 - Tel: +234 1452 2836 Fax: +234 1452 6904 E-mail: samuel_gbuyiro@yahoo.com
- 143. Patience U. OGODO National Assembly Complex Abuja NIGERIA Tel: +234 803 716 7505 Fax: +234 E-mail:
- 144. Øyvind CHRISTOPHERSEN Norwegian Pollution Control Authority Post Box 8100 Dep 0032 Oslo
 NORWAY Tel: +4722 57 37 24 Fax: +4722 67 67 06 E-mail: oyvind.christophersen@sft.no

(H)

- 145. Marit V. PETTERSEN Norwegian Pollution Control Authority P.O. Box 8100 Dep. N-0032 Oslo
 NORWAY Tel: +47 22 573 725 Fax: +47 22 676706 E-mail: marit-viktoria.pettersen@sft.no
- 146. Zahir SHAH MOHMAND (H) Ministry of Environment CDA Block 4, Old Naval Headquarters, G-6 Islamabad PAKISTAN Tel: + 92 51 920 5871 Fax: +92 51 920 2211 E-mail: zahirshahmohmand@hotmail.com

(H)

(B)

(H)

- 147. Anjum BARI FAROOQI Pakistan Meteorological Department National Agromet Centre P.O. Box 1214 Sector H-8/2 Islamabad 44000 PAKISTAN Tel: +92 51 925 7313/9251 9257317 Fax: +92 51 443 2588 E-mail: pmd@pakmet.com.pk tsupmd@yahoo.com or 148. Andrew BAUMAN (H) Office of Environmental Response & Coordination Office of the President P.O. Box 7086 Koror 96940 PALAU Tel: +680 488 6850 ext. 241 Fax: +680 488 8638 E-mail: abauman@palau-oerc.net 149. Maria Rossana SCRIBANO (H) National Climate Change Programme Secretaria del Ambiente Av. Madame Lynch No 3500 Asuncion PARAGUAY Tel: +595 21 Fax: +595 21 615 806 E-mail: rscribano@seam.gov.py pncc@seam.gov.py or 150. Gonzalo PAREDES (H) Ministry of Foreign Affairs of Peru Jr. Lampa 545 Lima 1 PERU Tel: +511 311 2629 Fax: +511 311 2628 E-mail: gparedes@rree.gob.pe 151. Eduardo CALVO (B) Jr. Nicanor Arteaga 549 San Borja Lima 41 PERU Tel: +511 224 3298 Fax: +511 346 2299 E-mail: ecalvo@terra.com.pe e13calvo@hotmail.com or
- 152. Edna JUANILLO (H) Philippine Atmospheric Geophysical & Astronomical Services Administration (PAGASA) Science Garden Complex Agham Road, Diliman Quezon City **PHILIPPINES** Tel: +632 434 0955 Fax: +632 434 0955 E-mail: ejuanillo@yahoo.com 153. Anna OLECKA (H) Institute of Meteorology and Water Management Meteorology Center Podlesna 61 Warszawa 01673 POLAND Tel: +48 22 5694 167 Fax: +48 22 5694 169 E-mail: anna.olecka@imgw.pl 154. Won-tae KWON (H) Meteorological Research Institute Korea Meteorological Administration 460-18 Sindaebang-dong Dongjak-gu Seoul 156 720 **REPUBLIC OF KOREA** Tel: +82 2 846 2852 Fax: +82 2 846 2853 E-mail: wontk@metri.re.kr 155. Wha-Jin HAN Korean Environment Institute (KEI) 613-2 Eunpyong-Gu Bulgwang-Dong Seoul 122-706 **REPUBLIC OF KOREA** Tel: +82 2 380 7610 Fax: +82 2 380 7644 E-mail: wjhan@kei.re.kr 156. Jong-choon KIM National Institute of Environmental Research **REPUBLIC OF KOREA** Tel: +82 32 560 7373 Fax: +82 32 568 2040 E-mail: kjc55@me.go.kr

- 157. Seong-kyoun KIM Korea Meteorological Administration 460-98, Dongjak Gu Seoul
 REPUBLIC OF KOREA Tel: +82 2 841 9157 Fax: +82 2 841 9158 E-mail: skkim@kma.go.kr
- 158. Mihail DARADUR The State Hydromometeorological Service 193, Grenoble Str. MD 2043 Chisinau **REPUBLIC OF MOLDOVA** Tel: +373 22 773633 Fax: +373 22 773629 E-mail: daradur@moldovacc.md

(H)

- 159. Aristita BUSUIOC National Meteorological Administration Sos. Bucuresti – Ploiesti 97 013 686 Bucharest **ROMANIA** Tel: +40 21 230 3143 Fax: +40 21 230 3117 E-mail: busuioc@meteo.inmh.ro
- 160. Ion POIANA National Meteorological Administration Sos. Bucuresti – Ploiesti 97 013 686 Bucharest **ROMANIA** Tel: +40 21 230 3116 Fax: +40 21 230 3143 E-mail: poiana@meteo.inmh.ro
- 161. Yuri A. IZRAEL (H, B) Director Inst. of Global Climate & Ecology Glebovskaya Street 20B 107258 Moscow
 RUSSIAN FEDERATION Tel: +7095 169 2430 Fax: +7095 160 0831 E-mail: yu.izrael@g23.relcom.ru or izrael@di.igce.msk.ru
- 162. Didace MUSONI Rwanda Meteorological Services B.P. 898 Kigali
 RWANDA Tel: +250 575 813/852 1127 Fax: +250 72971 E-mail: meteo@rwanda1.com
- 163. June HUGHES (H) Ministry of Health and Environment Pelican Mail P.O. Box 1472 Basseterre SAINT KITTS AND NEVIS Tel: +1 869 465 497 Fax: +1 869 466 391 E-mail: ccodoe@caribsurf.com or doeskn@caribsurf.com 164. Dean L. SOLOFA (H) Meteorology Division P.O. Box 3020 Apia **SAMOA** Tel: +685 20855 Fax: +685 23141 E-mail: dsolofa@meteorology.gov.ws 165. Joao V.DOMINGOS VAZ LIMA (H) National Institute of Meteorology P.O. Box 30 SAO TOME AND PRINCIPE Tel: +239 22 1975 Fax: +239 22 1975/21154 E-mail: inmeteo@cstome.net jvicente57@hotmail.com or 166. Khalid M. ABU-ALEIF (H) Ministry of Petroleum and Mineral Resources P.O. Box 8710 Dhahran 31311 SAUDI ARABIA Tel: +966 3 874 7003 Fax: +966 3 873 6693 E-mail: khalid.abuleif@aramco.com 167. Ziad H. ABU-GHARARAH **(B)** Presidency of Meteorology & Environment (PME) P.O. Box 1358 Jeddah 21431 SAUDI ARABIA Tel: +966 2 6526435 or 5 5673848 (mob) Fax: +966 2 6530053 / 5626435 E-mail: mozziad@hotmail.com 168. Faysal bin Kaed ABU-KHESHAIM Ministry of Finance and National Economy P.O. Box 15530 Rivadh 11454 SAUDI ARABIA Tel: +966 Fax: +966

E-mail: abukheshaim2002@yahoo.com

(H)

- 169. Alharthi AWWAD Box 9871 Dhahran
 SAUDI ARABIA 31311 Tel: +966 387 47091 Fax: +966 387 31209 E-mail: awwad.harti@aramco.com
- 170. N. Aboulaziz ALJUMAAH

SAUDI ARABIA Tel: +966 2574 7186 Fax: + E-mail:

171. Mohammed AL-ZAYER Ministry of Petroleum & Mineral Resources Box 1796 Dhahran 31311
SAUDI ARABIA Tel.: +966 3 874 6506 Fax: +966 3 873 9963 E-mail: zayermh@yahoo.com

172. Aysar A.TAYEB Ministry of Petroleum & Mineral Resources P.O.Box 757, Airport Rd., Riyadh 11189
SAUDI ARABIA Tel: +966
Fax: +966 479-3596
E-mail:

- 173. Taha M. ZA'ATARI
 Presidency of Meteorology & Environment (PME)
 P.O. Box 1358
 Jeddah 21431
 SAUDI ARABIA
 Tel: +966
 Fax: +966
 E-mail:
- 174. Salem BASHEHAB Embassy of **SAUDI ARABIA**

New Delhi INDIA Tel.: +91 11 Fax: +91 11 E-mail:

175.	Cherif DIOP Senegal Meteorological Service	(H)
	Ministère du Tourisme et des Transports Aé	riens
	& Transport Aéroport Leopold Sedar Sanghor	
	BP 8257	
	Dakar-Yoff	
	SENEGAL	
	Tel: +221 820 4887/635 4065 Fax: +221 820 1327	
	E-mail: cherifdiop@yahoo.fr	
170	Francis BIJOUX	
1/6.	National Climate Committee	(H)
	Ministry of Environment	
	P.O. Box 1145	
	Victoria	
	SEYCHELLES	
	Tel: +248 722 878 / 670 429	
	Fax: +248 610 647	
	E-mail: f.bijoux@pps.gov.sc	
177.	Dennis LANSANA	(H)
	Meteorological Department	
	F-18 Charlotte Street	
	Freetown	
	SIERRA LEONE	
	Tel: +232 22 226 692	
	Fax: +232 22 224 439	
	E-mail: dennislansana@yahoo.com	
178.	Ogunlade DAVIDSON	(B)
	Faculty of Engineering	
	University of Sierra Leone	
	Private Mail Bag	
	Freetown	
	SIERRA LEONE	
	Tel: +232 22 226325 Cell: +232 76 670933	
	Fax: +232 22 224260	
	E-mail: ogunlade@sierratel.sl	
	or ogunladedavidson@hotmail.com	
179.	Lucy KAMARA	
	Meteorological Department	
	F-18 Charlotte Street	
	Freetown	
	SIERRA LEONE	
	Tel: +232 22 226 692	
	Fax: +232 22 224 439	
	E-mail:	

180.	Andrej KRANJC Ministry of the Environment, Spatial Planning & Energy Dunajska c. 48 1000 Ljubljana SLOVENIA Tel: +386 1 478 7434 Fax: +386 1 478 7425 E-mail: andrej.kranjc@gov.si	(H)	185.	Jorge MARTINEZ-CHAMORRO Oficina Española de Cambio Climatico Ministerio de Medio Ambiente Plaza San Juan de la Cruz, s/n E-28071 Madrid SPAIN Tel: +34 91 597 6957 Fax: +34 91 597 5950/5982 E-mail: jmchamorro@oecc.mma.es	
181.	Lucka KAJFEZ-BOGATAJ University of Ljubljana Biotechnical Faculty Jamnikarjeva 101 SI-1000 Ljubljana SLOVENIA Tel: +386 1 4231161 Fax: +386 1 4231088	(B)		Mohan MUNASINGHE 10, De Fonseka Place Colombo 5 SRI LANKA Tel: +94 11 2500289 Fax: +94 11 255 1608 E-mail: munasinghe@eureka.lk	(B)
182.	E-mail: lucka.kajfez.bogataj@bf.uni-lj.si Bhawoodien A. PARKER South African Weather Service Jan Cilliers Street Stellenbosch SOUTH AFRICA	(H)	187.	Gardi H.P. DHARMARATNA Department of Meteorology No. 383 Bauddhaloka Mawatha Colombo 7 SRI LANKA Tel: +94 11 2694104 Fax: +94 11 2698311	(H)
	Tel: +2721 888 2624 Fax: +27 21 888 2688 E-mail: baparker@weathersa.co.za		188.	E-mail: gdharmaratna@yahoo.com Nadir Mohamed AWAD Higher Council for Environment & Natural	(H)
183.	Concepcion MARTINEZ-LOPE Spanish Bureau for Climate Change Ministry of Environment Plaza San Juan de la Cruz, s/n E-28071 Madrid SPAIN Tel: +34 91 597 6781 Fax: +34 91 597 5950/5982	(H)		Resources (HCENR) P.O. Box 10488 Khartoum SUDAN Tel: +249 183 784 279 Fax: +249 183 787 617 E-mail: nadirawad@yahoo.com	
184.	E-mail: conchita.martinez@oecc.mma.es Antonio YEVES-RUIZ Instituto Nacional de Meteorología Ministerio de Medio Ambiente C/ Leonardo Prieto Castro, 8 28040 Madrid SPAIN Tel: +34 91 581 9871 Fax: +34 91 581 9767 E-mail: ayeves@inm.es		189.	Ismail A. ELGIZOULI Higher Council for Environment & Natural Resources P.O. Box 10488 Khartoum SUDAN Tel: +249 183 787616 /249 912 252612 (mob) Fax: +249 183 787617 /777 017 E-mail: elgizouli@yahoo.com or hcenr@sudanmail.net	(B)
	L-man. ayeves(umm.es		190.	Duduzile NHLENGETHWA National Meteorological Service P.O. Box 58 Mbabane SWAZILAND Tel: +268 404 6274 / 0031	

Fax: +268 404 1530 E-mail: dudu@swazimet.gov.sz

191. Marianne LILLIESKÖLD (H) Swedish Environmental Protection Agency **Research Secretariat** S-106 48 Stockholm **SWEDEN** Tel: +46 8 698 1269 Fax: +46 8 698 1664 E-mail: marianne.lillieskold@naturvardsverket.se 192. José ROMERO (H) Office Féd. de l'Environnement, des Forêts et du Paysage Division des Affaires internationales Papiermühlestrasse 172, Ittigen CH-3003 Bern **SWITZERLAND** Tel: +41 31 322 6862 Fax: +41 31 323 0349 or + 322 9981 E-mail: jose.romero@buwal.admin.ch 193. Khaled JBOUR (H) Ministry of Local Administration & Environment Mazraa St. P.O. Box 3773 Damascus SYRIAN ARAB REPUBLIC Tel: +963 446 1079 Fax: +963 446 1079 E-mail: syro3u@mail.sy 194. Ilhom RAJABOV (H) Main Administration of Hydrometeorology & Environmental Monitoring Shevchenko Street 47 Dushanbe TAJIKISTAN Tel: +992 372 276 181 Fax: +992 372 276 181 E-mail: ilhomrajabov@mail.ru 195. Aree Wattana TUMMAKIRD (H) Ministry of Natural Resources & Environment Office of Natural Resources & Environmental Policy & Planning 60/1 Soi Phibun Wattana 7 Rama VI Road, Phayatai District Bangkok 10400 THAILAND Tel: +662 279 7180 9 x 192 Fax: +662 298 6060 E-mail: areewat@onep.go.th

196. Chamnong KAEOCHADA Meteorological Department 4353 Sukumvit Road, Bang-Na Bangkok 10260 THAILAND Tel: +662 399 2937 Fax: +662 383 8827 E-mail: chamnongk@hotmail.com 197. Jesada LUANGJAME National Park, Wildlife and Plant Conservation Department 61, Phaholyothin Road Bangkok 10900 THAILAND Tel: +662 940 6586 Fax: +662 579 9576 E-mail: jesada@Mozart.inet.co.th 198. Natasa MARKOVSKA (H) Research Centre for Energy, Informatics and Materials Macedonian Academy of Sciences and Arts St. K. Misirkov 2 P.O. Box 428 1000 Skopje THE FORMER YUGOSLAV REPUBLIC **OF MACEDONIA** Tel: +389 2 3235 427 Fax: +389 2 3235 423 E-mail: natasa@manu.edu.mk 199. Awadi Abi EGBARE (H) Météorologie nationale B.P. 1505 Lome TOGO Tel: +228 221 4806 Fax: +228 222 4838 E-mail: egbare@hotmail.com 200. Ezekiel SAMPSON (H) Meteorological Services Division P.O. Box 2141 National Mail Centre Piarco **TRINIDAD AND TOBAGO** Tel: +868 669 5465 Fax: +868 669 4009 E-mail: dirmet@tstt.net.tt

201. Mohamed HASSAIRI (H) Ecoles nationale d'Ingénieurs de Tunis **BP 37** Tunis Belvédère TUNISIA Tel: +216 71 874 700 Fax: +216 71 872 729 E-mail: mohamed.hassairi@enit.rnu.tn 202. Burak SEN (H) State Meteorological Service Sanatoryum Caddesi 06120 Kalaba Ankara TURKEY Tel: +90 312 302 2682 Fax: +90 312 361 2040 E-mail: bsen@meteor.gov.tr 203. Amanmurad DURDIYEV (H) Ministry of Nature Protection of Turkmenistan 15, Bitarap Turkmenistan str. Ashgabad 744000 TURKMENISTAN Tel: +993 12 398587 / 395427 Fax: +993 12 392039 E-mail: repcem@online.tm 204. Bwango APUULI (H) Department of Meteorology P.O. Box 7025 Kampala **UGANDA** Tel: +256 341 875 Fax: +256 251 797 E-mail:bwango.apuuli@meteo-uganda.net 205. Viacheslav LIPINSKY (H) State Hydrometeorological Service 6 Zolotovorotskaya Street 01034 Kiev 34 UKRAINE Tel: +380 44 239 9333 Fax: +380 44 228 1375 E-mail: lipins@ukrweather.kiev.ua 206. Ahmed M.S.M. ALNAQBI (H) Ministry of Petroleum and Mineral Resources P.O. Box 59 Abu Dabi **UNITED ARAB EMIRATES** Tel: + 97 12 667 1999

Fax: +97 12 667 1999 Fax: +97 12 666 4573/665 5717 E-mail: amajid.mopmr@uae.gov.ae

Federal Environmental Agency P.O. Box 5951 Abu Dabi UNITED ARAB EMIRATES Tel: +97 12 777 363 Fax: +97 12 770 501 E-mail: uaefea@emirates.net.ae 208. Al Waleed M. AL-MALIK Ministry of Petroleum and Mineral Resources P.O. Box 59 Abu Dabi **UNITED ARAB EMIRATES** Tel: + 97 12 608 3227 Fax: +97 12 665 5717 E-mail: wmalik.mopmr@uae.gov.ae 209. Ali A. AL-JAFRI Ministry of Communication P.O. Box 900 Abu Dabi UNITED ARAB EMIRATES Tel: + 97 12 6651900 Fax: +97 12 6651691 E-mail: 210. David WARRILOW Dept. for Environment, Food & Rural Affairs Global Atmosphere Division Zone 3/B3 - Ashdown House 123 Victoria Street London SW1E 6DE UNITED KINGDOM Tel: +44 20 7082 8149 Fax: +44 20 7082 8151 E-mail: david.warrilow@defra.gsi.gov.uk 211. Sophia OLIVER Dept. for Environment, Food & Rural Affairs Global Atmosphere Division Ashdown House 123 Victoria Street London SW1E 6DE **UNITED KINGDOM**

Tel: +4420 7082 8153

Fax: +4420 7082 8151

E-mail: sophia.oliver@defra.gsi.gov.uk

(H)

207. Saad Al Dein M. AL-NUMALRY

27

- 212. Martin PARRY (B) Hadley Centre for Climate Prediction & Research Met Office, London Road Bracknell, Berkshire RG12 2SY UNITED KINGDOM Tel: +44 1986 781437 Fax: +44 1986 781437 E-mail: parryml@aol.com
- 213. Jim PENMAN Dept. for Environment, Food & Rural Affairs Global Atmosphere Division 3/C1, Ashdown House 123 Victoria Street London SW1E 6DE UNITED KINDGOM Tel: +44 20 7082 8152 Fax: +44 20 7082 8151 E-mail: jim.penman@defra.gsi.gov.uk
- 214. Deodatus A. KASHASHA (H) Tanzania Meteorological Agency P.O. Box 3056 Dar Es Salaam **UNITED REPUBLIC OF TANZANIA** Tel: +255 222 460112 Fax: +255 222 460112 E-mail: dkashasha@meteo.go.tz
- 215. Harlan WATSON (H) Bureau of Oceans and International Environmental and Scientific Affairs US Department of State Washington D.C. 20520-7818 USA Tel: +1 202 647 3489 Fax: +1 202 647 3970 E-mail: watsonhl@state.gov
- 216. Mitchell BAER
 PI-44, Office of Policy and International Affairs
 US Department of Energy
 1000 Independence Avenue SW
 Washington DC 20585
 USA
 Tel: +1 202 586 5167
 Fax: +1 202 586 5391
 E-mail: mitchell.baer@hq.doe.gov
- 217. Ko BARRETT Climate Change Program US Agency for International Development 1300 Pennsylvania Ave. NW Washington D.C. 20523 -3800 USA Tel: +1 202 712 1672 Fax: +1 202 216 3174 E-mail: kbarrett@usaid.gov 218. William FARNETH Office of Global Change **OES/EGC** Department of State Washington, D.C. 20520-7818 USA Tel: +1 202 736 7444 Fax: +1 202 647-3970 E-mail: farnethwe@state.gov 219. Indur M. GOKLANY Science and Technology Policy Department of the Interior 1849 C. Street, N.W. Washington D.C. 20240 USA Tel: +1 202 208 4951 Fax: +1 202 208 4867 E-mail: indur goklany@ios.doi.gov 220. William IRVING US Environmental Protection Agency 1200 Pennsylvania Ave. N.W. Washington D.C. 20460 USA Tel: +1 202 343 9065 Fax: +1 202 E-mail: irving.bill@epa.gov 221. Richard H. MOSS Co-Chair, TGCIA Climate Change Science Program (Incorporating the USGCRP and the Climate Change Research Initiative) 1717 Pennsylvania Avenue NW, Suite 250 Washington, D.C 20006 USA

USA Tel: +1 202 419 3476 Fax: +1 202 223 3908 E-mail: rmoss@usgcrp.gov

- 222. Daniel REIFSNYDER Director, Office of Global Change OES/EGC - Room 4330 Department of State Washington, D.C. 20520-7818 USA Tel: +202 647 3935 Fax: +202 647 0191 E-mail: reifsnyderda@state.gov
- 223. Trigg TALLEY Office of Global Change, Room 4330 US Department of State 2201 C Street N.W. Washington DC 20520 USA Tel: +1 202 647 3984 Fax: +1 202 647 0191 E-mail: talleyt@state.gov
- 224. Tatyana OSOSKOVA (H) Main Administration of Hydrometeorology 72 K Makhsumov Street Tashkent 700052 UZBEKISTAN Tel: +998 71 133 6117 / 136 0758 Fax: +998 71 133 2025 E-mail: ososkova@meteo.uz
- 225. Brian PHILLIPS (H) Vanuatu National Meteorological Sevices PMB 9054 Port Vila **VANUATU** Tel: +678 25745 / 246 86 Fax: +678 25745 22310 E-mail: piccap@vanuatu.com.vu

226. Juan Carlos SANCHEZ (H) Ministry of Environment Calle Los Huertos, Edificio Marifina Penthouse La Campina Caracas 1050 VENEZUELA Tel: +58 412 728 5917 Fax: +58 212 284 4052 E-mail: sanchezjc@cantv.net 227. HOANG MANH HOA (H) National Office for Climate Change and Ozone Protection Ministry of Natural Resources and Environment No.57 Nguyen Du Street Hanoi VIETNAM Tel: +84 4 822 8974 Fax: +84 4 826 3847 E-mail: vnccoffice@fpt.vn 228. Julius P. DAKA Environment Council of Zambia P.O.Box 35131 Lusaka ZAMBIA Tel: +260 1 254023/59 Fax: +260 1 254164/260-1-250230 E-mail: jdaka@necz.org.zm: 229. Kenneth NKOWANI Ministry of Tourism, Environment & Natural Resources Cairo Road P.O. Box 30575 10101 Lusaka ZAMBIA Tel: +260 1 229 417 Fax: +260 1 229 417 E-mail: kapalakonje@yahoo.com 230. Washington ZHAKATA (H) Bindura University P.O. Box BE 535 Belvedere Harare **ZIMBABWE** Tel: +263 71 76214 / 47 46640 Fax: +263 71 7534 E-mail: washingtonzhakata@hotmail.com

ORGANIZATIONS

231. Klaus TÖPFER Executive Director United Nations Environment Programme P.O. Box 30552 Nairobi KENYA Tel: +254 20 624 001/2 Fax: +254 20 624 006 E-mail: klaus.toepfer@unep.org

232. Arkadiy LEVINTANUS United Nations Environment Programme P.O. Box 30552 Nairobi KENYA Tel: +2542 062 Fax: +2542 062 E-mail: arkadiy.levintanus@unep.org

- 233. Surendra SHRESTA **United Nations Environment Programme** Regional Director ROAP United Nations Building Rajadamnern Avenue Bangkok 10200 THAILAND Tel.: +66 2 288 12 34 Fax: +66 2 280 38 29 E-mail: surendra@ait.ac.th
- 234. Michel JARRAUD Secretary-General World Meteorological Organization P.O. Box 2300 1211 Geneva 2 SWITZERLAND Tel: +41 22 730 8111 Fax: +41 22 730 8
- 235. Halldor THORGEIRSSON UNFCCC Climate Change Secretariat P.O. Box 260 124 D-53153 Bonn GERMANY Tel: +49 228 815 1424 Fax: +49 228 815 1999 E-mail: hthorgeirsson@unfccc.int

236. Alexander von HILDEBRAND World Health Organization South-East Asia Regional Office World Health House, I.P. Estate New Delhi 110002 INDIA Tel: +91 11 2337 0804 Fax: +91 11 2337 0197/9395 E-mail: hildebranda@whosea.org
237. Hartmut BEHREND

- European Commission Unit "Climate, Ozone and Energy" DG Environment BU-9 6/134 B-1049 Brussels BELGIUM Tel: +32 2 29 86431 Fax: +32 2 29 69970 E-mail: hartmut.behrend@cec.eu.int
- 238. Robert Mc FADDEN (The Climate Council) 5902 Mt. Eagle Drive, Suite 1415 Alexandria, VA 2303 USA Tel: +1 703 329 0780 Fax: +1 703 329 9630 E-mail: mcfadden-ghg@att.net
- 239. William HARE
 Greenpeace International
 Otto Heldringstraat 5
 Amsterdam
 THE NETHERLANDS
 Tel: +31 20 514 8150
 Fax: +31 20 514 8151
 E-mail: bill.hare@diala.greenpeace.org
- 240. Stephanie TUNMORE **Greenpeace** Canonbury Villas N1 2PN Lpndon UNITED KINGDOM Tel: +44 20 7865 8211 Fax: +44 20 7865 8200/8202 E-mail: stephanie.tunmore@uk.greenpeace.org

241. Haroon KHESHGI (IPIECA) Exxon Mobil Route 22 East Annandale, NJ 08801 USA Tel: +1 908 730 2531 Fax: +1 908 730 3301 E-mail: haroon.s.kheshgi@exxonmobil.com 242. Leonard S. BERNSTEIN **IPIECA** 488, Kimberly Avenue Asheville, NC 28804 USA Tel: +1 828 250 0245 Fax: +1 828 250 0244 E-mail: lsberns@worldnet.att.net 243. Prakash RAO Climate Change & Energy Programme World Wide Fund for Nature - India (WWF) 172 B Lodi Estate, New Delhi 110003 INDIA Tel: 91-11-51504794 Fax: 91-11-51504795, 24691226 E-mail: Prao@wwfindia.net 244. Samrat SENGUPTA Climate Change & Energy Programme World Wide Fund for Nature – India (WWF) Pirojsha Godrej National Conservation Centre 172-B, Lodi Estate, New Delhi - 110 003 INDIA Tel: +91-11-51504794 Fax: Email: ssengupta@wwfindia.net samratsengupta@hotmail.com or 245. Sandeep Chamling RAI WWF Nepal Program P O Box 7660 Kathmandu NEPAL Tel: +977 1 4434820/4434970/4410942 Fax: +977 1 4438458 Email: sandeep.rai@wwfnepal.org

IPCC TECHNICAL SUPPORT UNITS

- 246. Martin MANNING Head, IPCC WG I Technical Support Unit NOAA Aeronomy Laboratory
 325 Broadway, R/AL8 Boulder, CO 80305 USA Tel: +1 303 497 4479 (direct) Tel: +1 303 497 3935 Fax: +1 303 497 5686 E-mail: martin.manning@noaa.gov
- 247. Melinda TIGNOR IPCC WG I Technical Support Unit NOAA Aeronomy Laboratory 325 Broadway, R/AL8 Boulder, CO 80305 USA Tel: +1 303 497 7072(direct) Tel: +1 303 497 3935 Fax: +1 303 497 5628 E-mail: tignor@ucar.edu
- 248. Tahl KESTIN IPCC WG I Technical Support Unit NOAA Aeronomy Laboratory 325 Broadway, R/AL8 Boulder, CO 80305 USA Tel: +1 303 497 4487 Fax: +1 303 497 5628 E-mail: tahl@ucar.edu
- 249. Jean PALUTIKOF
 Head, IPCC WG II Technical Support Unit
 Hadley Centre for Climate Prediction and Research
 Met Office, Fitzroy Road
 Exeter EX1 3PB
 UNITED KINGDOM
 Tel: +44 1344 856 212
 Fax: +44 1344 856 912
 E-mail: jean.palutikof@metoffice.com
- 250. Paul VAN DER LINDEN IPCC WG II Technical Support Unit Hadley Centre for Climate Prediction & Research Met Office, Fitzroy Road Exeter EX1 3PB UK Tel: +44 1392 884665 Fax: +44 1392 885681 E-mail: paul.vanderlinden@metoffice.com

251. Leo A. MEYER Head, IPCC WG III Technical Support Unit RIVM
P.O. Box 1
3720 BA Bilthoven THE NETHERLANDS
Tel: +31 30 274 4090
Fax: +31 30 274 4464
E-mail: leo.meyer@rivm.nl

252. Monique HOOGWIJK IPCC WG III Technical Support Unit P.O. Box 1 3720 BA Bilthoven THE NETHERLANDS Tel: +31 30 274 Fax: +31 30 274 4464 E-mail: monique.hoogwijk@rivm.nl

253. Simon EGGLESTON Head, Technical Support Unit TFI National Greenhouse Gas Inventories Programme (NGGIP)
2108-11, Kamiyamaguchi, Hayama Kanagawa 240-0115 JAPAN Tel: +81 468 55 3750 Fax: +81 468 55 3808 E-mail: eggleston@iges.or.jp

254. Kyoko MIWA Technical Support Unit TFI National Greenhouse Gas Inventories Programme (NGGIP)
2108-11, Kamiyamaguchi, Hayama Kanagawa 240-0115 JAPAN Tel: +81 468 55 3750 Fax: +81 468 55 3808 E-mail: miwa@iges.or.jp

IISD REPORTING SERVICES

Hugh WILKINS Lisa SCHIPPER Pia KOHLER Leila MEAD Daniel BIRCHALL Ivy MARVIN c/o IISD Reporting Services 212E 47th Street 21F 10017 New York, NY USA Tel: +1 212 644 0204

Fax: +1 212 644 0206

E-mail:

WMO CONFERENCE OFFICER

Marc PEETERS World Meteorological Organization P.O. Box 2300 1211 Geneva 2 SWITZERLAND Tel: +41 22 730 8111 Fax: +41 22 730 E-mail: MPeeters@wmo.int

IPCC SECRETARIAT

Renate CHRIST Secretary of the IPCC E-mail: RChrist@wmo.int

Mary-Jean BÜRER Consultant E-mail: MJBurer@wmo.int

Rudie BOURGEOIS E-mail: RBourgeois@wmo.int

Chantal ETTORI E-mail: CEttori@wmo.int

Annie COURTIN E-mail: ACourtin@wmo.int

SCOPE, CONTENT AND PROCESS FOR THE PROPARATION OF THE SYNTHESIS REPORT OF THE IPCC FOURTH ASSESSMENT REPORT (AR4 SYR)

I. SCOPE

As defined in the IPCC Procedures the SYR would "synthesize and integrate material contained within IPCC Assessment Reports and Special Reports". Its scope would include material contained in the three Working Group contributions to the AR4, and it would draw on information contained in other IPCC Reports as required. It would be written in an accessible, "non technical style suitable for policymakers and address a broad range of policy-relevant, but policy-neutral questions". The SYR should be largely self-contained, but guide readers to the underlying material if they wish to look further.

The primary audience for the SYR would be policymakers, in particular from governments, advisors to policymakers, and experts. However, it is recognized that others will also make use of the report.

The proposed SYR would consist of two parts:

- 1. SPM: up to 5 pages of text
- 2. Longer Report: up to 30 pages of text including maps and figures

The SYR publication would also contain annexes such as glossary, and index.

The AR4 SYR would be self contained and published as a stand-alone publication in the six official UN languages. It would be accompanied by a CD ROM, which contains the SYR (SPM and longer report), the contributions of the three IPCC Working Groups to the AR4 in English, and the summaries of these reports (SPM and Technical Summary) in all official UN languages.

II. CONTENT

The following structure for the AR4 SYR is proposed. It contains agreed topic headings and a list of bullets that are intended as guidance to the authors. Cross Cutting Themes need to be given careful attention throughout the report.

Foreword

The Chairman's foreword will describe the history of the report, its structure, the relationship to the other AR4 reports, how detailed information on topics and regions can be accessed and how it has been cross-referenced. It will describe who the intended users are. It will also state how the cross cutting themes used in the AR4 are addressed in the SYR.

Introduction

The introduction will set the context in terms of issues of relevance to policy, taking into account robust new findings and mentioning major gaps in existing knowledge. It will highlight new findings since the TAR and uncertainties.

Outline of Topics

- 1. Observed changes in climate and its effects (WG 1, 2)
 - Past climate change including palaeoclimate aspects
 - Effects of past climate change on natural systems and society
- 2. Causes of change (WG 1, 2, 3)
 - Natural and human-related factors
 - Feedbacks, via the carbon cycle and otherwise
- 3. Climate change and its impacts in the near and long term under different scenarios (WG 1, 2, 3)
 - Future climate change
 - Vulnerabilities
 - Hazards, risks and opportunities
 - Water, agriculture, ecosystems, human well-being and development
 - Regional implications
 - Implications of timescales, inertia, and lags
 - Risks of abrupt or irreversible changes
- 4. Adaptation and mitigation options and responses, the inter-relationship with sustainable development, at global and regional levels (WG 2, 3)
 - Past experience and options and policies (including costs/benefits, co-benefits, and spillover effects); extent, limits, effectiveness and enhancement, sectoral and regional considerations, current, medium-, and long-term, for:
 - 1. Adaptation
 - 2. Mitigation
 - Relationship between adaptation and mitigation options
 - Technology: timing, development, transfer, environment and integration issues
 - International cooperation
- 5. The long-term perspective: scientific and socio-economic aspects relevant to adaptation and mitigation, consistent with the objectives and provisions of the Convention, and in the context of sustainable development
 - Costs, benefits and avoided damage and risks at global and regional levels and under different scenarios
 - Timing of mitigation and equity implications
 - Relationship between adaptation and mitigation
 - Technology flows and development
 - Broader environment and integration issues
- 6. Robust findings, key uncertainties

Annexes

- User guide (how to access detailed information on inter alia regions and sectors in the SYR and the underlying Working Group reports)
- Glossary
- Index
- List of acronyms
- List of authors and reviewers

III. PROCESS

Writing Team

The IPCC Chair would lead the Core Writing Team (CWT). In accordance with the IPCC Procedures the members of the CWT would be nominated by the IPCC Chair in consultation with the Co-Chairs. The composition of the writing team would be agreed by the Bureau. The CWT should include the Co-Chairs of the three Working Groups, and a minimum of 4-6 members of the author teams from each Working Group report. The members of the CWT should be chosen to ensure that the CWT has the scientific and technical expertise needed to carry out its task, noting the need to aim for a range of views and geographical representation.

As was the case during the writing of the TAR SYR it is suggested that the Core Writing Team be assisted by an extended writing team. It should include up to one member of the author team from each chapter of the working group contributions to the AR4. The function of the extended writing team would be comparable to that of contributing authors.

Review Editors would assist the writing team. They would carry out their task as described in IPCC procedures.

Time schedule

- The members of the writing team would be chosen in late 2005, after the second Lead Authors meetings of the Working Groups have been held and the scientific technical issues addressed in AR4 Working Group contributions are more clearly defined.
- Stock taking by the CWT would begin in the first half of 2006
- Writing of the SYR would begin in the second half of 2006 after the second order drafts of all three working group reports have been sent out for government/expert review.
- After an informal review by lead authors of the three working group reports the CWT will start drafting of the First order draft of the SYR
- The First order draft of the SYR will be sent for an 8 weeks simultaneous government/expert review after all working group contributions have been approved/accepted.
- The final draft would be submitted to governments and participating organizations 9 weeks before the Session of the Panel that adopts/approves the AR4 SYR to allow for 8 weeks government consideration.
- Adoption and approval of the SYR and its SPM is foreseen from 22-26 October, 2007 to allow delivery of an unedited version of the AR4 SYR to the next UNFCCC COP which is scheduled to take place during 5-16 November 2007.

Management of the SYR

The IPCC Chair will chair the writing team and provide overall guidance to the development of the SYR. The organization of writing team meetings, the review and publication process will be managed and coordinated by the IPCC Secretariat.

The preparation of the AR4 SYR will require considerable technical support, including for management of the writing and review process, editing and layout of the report. The present TSUs have indicated that they would not, or only to a very limited extent, be available for the SYR. Therefore it will be necessary to mobilize additional staff and expertise. Present TSUs will however be asked to provide support to the development of the SYR in particular as far as their Working Group contributions are concerned, e.g. facilitating file and data transfer for adjusting graphics, ensuring consistency with final WG contributions and development of index, search facility and glossary. It is suggested that a SYR support team be established that will be coordinated by the Secretary of the IPCC under the overall guidance of the IPCC Chair. The offer of the IPCC Chair to seek support as in kind contribution from the Government of India is envisaged as a resource to assist the Chair.

Based on previous experience the following expertise and staff support would be required:

1 full-time professional staff member for two years with experience in climate change science:

This staff member would be in charge of liaison with the writing team, compilation of draft reports, management of the review process and liaison with other members of the technical support team. Secondment of a Junior Programme Officer from WMO/UNEP will be explored.

1 administrative assistant with expertise in electronic publishing:

This person would assist in the preparation of the draft reports, in the compilation of the review comments and in finalizing the report. The same person should remain involved for a period of two years, but depending on other technical expertise available, would not necessarily be required full time during the first year. Arrangements with WMO for allocation of a qualified staff member will be explored.

IT expertise for indexing, website and CD RoM development, including intelligent search facility:

It is planned that an intelligent indexing and search facility would be developed and applied to all WG contributions to the AR4. The costs for application of the system to the SYR are expected to be in the order of 30.000 SFR

Graphics work

The graphics in the SYR should be in the same style as those for the WG summaries. The costs for additional graphics, specifically designed for the SYR are expected to be in the order of 50.000 SFR.

Layout, translation and printing in 6 UN languages

The estimated costs are 300.000 SFR, but final costs will depend on number of pages

Staff of present TSUs will provide support as far as inputs from their respective WGs and their contributions are concerned.

Regular staff of the IPCC Secretariat will arrange writing team meetings and the plenary session for adopting/accepting the SYR and provide administrative support to the process. Hence, based on the assumption that staff support as indicated above can be mobilized from WMO/UNEP, the cost of IT inputs, graphics, layout, translation and printing of the SYR in 6 UN languages is estimated at 380,000 SFR.

REPORT OF THE OUTREACH TASK GROUP

New Delhi, November 9-11, 2004

First Session

The first meeting of the Outreach Task Group (OTG) met during lunch on the first day of the IPCC-22. It was well attended by delegates from many regions and by staff of the Working Group TSUs. This meeting focussed on IPCC Fact Sheets.

Participants found the four fact sheets that had been prepared by the Secretariat at the request of the meeting of the OTG and Plenary in Vienna to be very useful. These fact sheets focus on:

- Why was the IPCC created?
- Who is who in the IPCC?
- The preparation of IPCC Reports, and
- On-going IPCC activities.

The participants wished to record their thanks to the Secretariat for their work in preparing these fact sheets. It was noted that the fact sheets need to be translated into the six official UN languages and proposed that sets of these fact sheets be sent to IPCC member governments. A suggestion was made that a facility be made for providing reader comments on these fact sheets on the IPCC website.

Participants agreed that it would be useful to produce a fact sheet for the UN/FCCC COP-10, which will be celebrating the 10th anniversary of the Framework Convention on Climate Change, on the 16-year history of the IPCC.

The OTG discussed the procedures for producing fact sheets. While everyone was satisfied with the preparation of the current four fact sheets that dealt essentially with process matters, it was agreed that it was desirable to have a transparent process that would ensure they preserved the integrity of the IPCC. It was proposed that future facts sheets, or revisions to the current ones, note clearly that the information in the fact sheets is based on material in approved IPCC Reports. One suggestion that was made was that requests for any new fact sheet that deal with technical matters be well defined and the process for their production might be based on the established IPCC procedures for Technical Papers. One topic for such technical fact sheet, which was proposed at a previous meeting of the OTG, was: "What is Climate Change?".

The OTG had another productive meeting during lunch on November 11th. The group focused primarily on Outreach activities for 2005. It was agreed that the first priority should be to develop and implement a communications strategy for the two Special Reports that will be finalized next year. This should be done in collaboration with the relevant TSU's and with the co-Chairs of the OTG. The OTG urges the Plenary to allocate sufficient resources to accomplish these tasks properly. Because of the constraints on the IPCC's budget it was suggested that the communications strategy contain some options. There was strong consensus that the Secretariat should proceed without delay to hire appropriate expertise noting that it would be wiser at this stage to acquire this expertise through contracts rather than hiring a full time employee. The second priority would be to begin elaborating a communications strategy for the longer term, that is for the AR4. This would benefit from the experience gained with the Special Reports.

Work on the communications strategy for next year needs to start immediately. It was suggested that, when drafted, it would be discussed with the IPCC Bureau and presented to the next Plenary. The minimum elements of the communications strategy would include: having the SPM's of the Special Reports translated into the 6 UN languages and posted on the IPCC web-site; preparing a press release; organizing media and other briefings (such as to industry associations); preparing a set of Powerpoint slides and a CD ROM; and soliciting feedback from stakeholders. Some of this clearly has to be started before the Plenary since they will be needed as soon as the Special Report is accepted. It was noted that the communications strategy for the HFC/PFC Special Report will need to be coordinated with the appropriate bodies in the Montreal Protocol.

It was suggested that work on the "portals" that was discussed elsewhere in the Plenary also be considered in elaborating the longer-term communications strategy. To begin this work it was suggested that the views of governments be solicited on what information might be contained. It was recognized that there was some urgency in beginning this work as it will involve the tasking the WG authors.

Decision taken during the IPCC-XXII session on the Programme and Budget for 2005 to 2008

Based on the recommendations of the Financial Task Team, the Panel, in Plenary:

- 1. Thanked the Secretary of the IPCC for the presentation of the IPCC Trust Fund programme and budget for 2005 and preliminary budgets for 2006-2008, contained in documents IPCC-XXII/Doc. 4, Rev.1, and expressed its satisfaction for the improvements in the presentation.
- 2. Thanked the WMO Secretariat for the information provided and encouraged the WMO Secretariat to continue providing to the governments annual financial reports at the beginning of each year.
- 3. Thanked the Chairman of IPCC and the Secretary for their efforts to widen the basis of financial contributors to IPCC, and expressed its appreciation for their success in this endeavour.
- 4. Took note of the revenues and expenditures for 2003 as presented in IPCC-XXII/Doc. 4, Rev.1
- 5. Took note of the proposal of the planned expenditure presented in IPCC-XXII/Doc. 4, Rev.1 and thanked the Secretary for presenting a clear integrated forecast of expenses over the period of the Fourth Assessment.
- 6. Noted that the carry over at the beginning of the Fourth Assessment report cycle in 2002 was of approximately 4 million CHF.
- 7. Noted that for the forthcoming four-year period of the Fourth Assessment, the overall expenses are expected to be around 24 million CHF.
- 8. Adopted the revised budget for the year 2005 as attached.
- 9. Took note of the forecast budget for 2006 and of the indicative budgets for 2007 and 2008 as attached.
- 10. Encouraged the Working Group Bureaux, the Task Force Bureau and the Co-chair of TGICA to continue providing the IPCC Secretariat with early notice of planned meetings and other activities proposed to be funded by the IPCC Trust Fund.
- 11. Recommended that the Secretariat to continue updating and presenting regularly the annual rate of voluntary cash contributions to the IPCC Trust Fund since its inception and communicating this information to governments and other contributors when seeking voluntary contributions to the Trust Fund.
- 12. Expressed its profound gratitude to the WMO for financing two positions and hosting the secretariat, to the UNEP for financing one position and continuing support to disseminating the IPCC findings and to the UNFCCC for its generous contribution and spirit of cooperation.
- 13. Expressed its deep gratitude to governments, including from developing countries, for their generous contributions to the IPCC Trust Fund, the hosting of TSUs and data distribution centres, and numerous in-kind contributions, including that of TERI for the web-site support, and the hosting of IPCC meetings.
- 14. Invited governments that may be in a position to do so to contribute to the IPCC Trust Fund taking into account the work programme and financial requirements for the full assessment period, and requested the Chairman formally writes to governments and other possible contributors requesting such contributions.

BUDGET FOR 2005 AS ADOPTED BY IPCC-XXII

Activity	Purpose	DC/EIT support	Other Expenditure	Sub-total
Governing bodies			· ·	
IPCC-23 & WG III+I	To approve/accept	540,000	156,000	696,000
3 days	SR HFC/PFC	120 journeys		
IPCC-24	approve work programme,	540,000	156,000	696,000
3 days	accept SPM SR Carbon	120 journeys		
WG III	To approve/accept	270,000	156,000	426,000
3 days	SR Carbon Storage	60 journeys		
before IPCC-24				
Bureau	2 sessions	162,000	208,000	370,000
TED	2	2x18 journeys	12 295	100 795
TFB	3 sessions	94,500	12,285	106,785
SBSTA/COP/JWG		21 journeys 67,500		67,500
and other meetings				07,500
SUB-TOTAL		15 journeys		2 2 (2 295
				2,362,285
LA meetings Carbon Storage	2 LA meetings before	157,500	20 475	177 075
Carbon Storage	WG III Session	-	20,475	177,975
HFC/PFC		35 journeys	2.025	25 425
HFC/PFC	final CLA meeting before	22,500	2,925	25,425
	WG III+I Session	5 journeys	50.500	500 500
Guidelines Revision	3 CLA/LA meetings for	450,000	58,500	508,500
	major sectors	100 journeys		
WG I AR4	2 CLA/LA meetings and	450,000	58,500	508,500
	chapter meetings	100 journeys		
WG II AR4	2 CLA/LA meetings and	832,500	108,225	940,725
	chapter meetings	185 journeys		
	Chapter meetings	112,500	14,625	127,125
		25 journeys		
WG III AR4	1 CLA/LA meeting	337,500	43,875	381,375
	_	75 journeys		
SUB-TOTAL				2,669,625
Scoping meetings, expert meeti	ngs and workshops			
Exp. Meeting on Simple	To review use of SCMs and	45,000	5,850	50,850
Climate Models	EMICs	10 journeys		
Exp. Mtg. on LT Mitigation	Preparation for AR4 and for	76,500	9,945	86,445
and Stabilization Scenarios	workshop on scenarios	17 journeys		
Workshop on Scenarios	Preparation AR5	180,000	23,400	203,400
_		40 journeys		
Expert Meeting	Treatment of aerosols	45,000	5,850	50,850
		10 journeys		
Expert Mtg on Adaptation &	Address inter-linkages in	117,000	15,210	132,210
Mitigation & Sustainable Dev.	chapters/sections	26 journeys		,
TGICA	$\frac{1}{2}$ meetings + 1 expert meeting	157,500	20,475	177,975
loien	2 meetings + r expert meeting	35 journeys	20,175	177,975
EFDB Board		94,500	12,285	106,785
El DD Dould		21 journeys	12,203	100,705
SUB-TOTAL	I			808,515
Other Expenditures				,
Publications	HFC/PFC	Pub/transl (SPM)		200,000
	Carbon Storage	Pub/transl (SPM)		200,000
	EFDB update/management			9,000
	Repr. draft 2006 Guidelines	Copying	1	8,000
Outreach	Tepi. and 2000 Guidelines	~~pj5	+ +	250,000
Secretariat			<u> </u>	770,000
Co-Chairs				200,000
SUB-TOTAL				1,637,000
TOTAL				7,477,425

Activity	Purpose	DC/EIT support	Other Expenditure	Sub-total
Governing bodies				
IPCC-25 3 days	Adopt/accept 2006 Guidelines Discussion BUR size and	585,000 130 journeys	156,000	741,000
	regional distribution	incl. 10 LAs		
Bureau	2 sessions	162,000 2x18 journeys	208,000	370,000
TFB	2 sessions	63,000 14 journeys	8,190	71,190
SBSTA/COP/JWG and other meetings		67,500 15 journeys		67,500
SUB-TOTAL		15 journeys		1,249,690
LA meetings				1,247,070
WG I AR4	1 CLA/LA meeting and technical summary meeting	270,000 60 journeys	35,100	305,100
WG II AR4	1 CLA/LA meeting	598,500 133 journeys incl. 10 RE	77,805	676,305
	Chapter meetings	90,000 20 journeys	11,700	101,700
WGIII AR4	LA/ER meeting	45,000 10 journeys	5,850	50,850
WGIII AR4	2 chapter meetings	67,500 15 journeys	8,775	76,275
WG III AR4	2 CLA/LA meetings	765,000 170 journeys	99,450	864,450
AR4 SYR	2 writing team meetings	135,000 30 journeys	17,550	152,550
LA Mtg Climate Change and Water	Preparation TP	67,500 15 journeys	8,775	76,275
SUB-TOTAL				2,303,505
Scoping meetings, e	xpert meetings and workshops			
TGICA	2 meetings	90,000 20 journeys	11,700	101,700
EFDB Board		94,500 21 journeys	12,285	106,785
SUB-TOTAL				208,485
Other expenditures				
Publications	EFDB update/management			40,000
	Revised guidelines	Pub/transl(overv)		300,000
Outreach				300,000
Secretariat				770,000
Co-chairs				200,000
SUB-TOTAL				1,610,000
TOTAL				5,371,680

FORECAST BUDGET FOR 2006 NOTED BY IPCC-XXII

INDICATIVE BUDGET FOR 2007 NOTED BY IPCC-XXII

Activity	Purpose	DC/EIT support	Other Expenditure	Sub-total
Governing bodies				
IPCC-26	Accept WG contributions to AR4	540,000	156,000	696,000
3 days	Future of IPCC; Various	120 journeys		
IPCC-27	Adopt AR4 SyR	540,000	260,000	800,000
5 days	Programme & budget; Various	120 journeys		
WG I session	Approve WG I contribution to AR4	540,000	156,000	696,000
3 days		120 journeys		
WG II session	Approve WG II contribution to AR4	540,000	156,000	696,000
3 days		120 journeys		
WG III session	Approve WG III contribution to AR4		156,000	696,000
3 days		120 journeys		
Bureau	2 sessions	162,000	208,000	370,000
		2x18 journeys		
TFB	1 session	31,500	4,095	35,595
		7 journeys		
SBSTA/COP/JWG		67,500		67,500
and other meetings		15 journeys		
SUB-TOTAL				4,057,095
LA meetings				
WG I AR4	Final CLA/LA meeting	45,000	5,850	50,850
	before WG session	10 journeys		
WG II AR4	Final CLA/LA meeting	45,000	5,850	50,850
	before WG session	10 journeys		
WG III AR4	Final CLA/LA meeting	45000	5,850	50,850
	before WG session	10 journeys	20.475	177.077
AR4 SYR	Writing team meeting incl. REs and final meeting before IPCC-27	157,500	20,475	177,975
LA Mtg Climate	Preparation TP	35 journeys 67,500	8,775	76,275
		15 journeys	0,775	70,275
Change & Water		15 Journeys		407.000
SUB-TOTAL				406,800
Scoping meetings a TGCIA		90,000	11 700	101 700
IGUIA	2 meetings	20 journeys	11,700	101,700
EFDB Board		94,500	12,285	106,785
LI'DD Doard		21 journeys	12,205	100,785
SUB-TOTAL	1	21 journeys		208,485
Other Expenditure	8			200,700
Publications	EFDB update/management			9,000
	Publication AR4	<u> </u>		1,000,000
	Publication AR4 SYR			300,000
Outreach		├		300,000
Secretariat		<u> </u>		
		<u> </u>		770,000
Co-chairs				200,000
SUB-TOTAL				2,579,000
TOTAL				7,251,380

Activity	Purpose	DC/EIT support	Other Expenditure	Sub-total
Governing bodies				
IPCC-28	Bureau election	540,000	156,000	696,000
3 days	Outreach; Progr. & budget	120 journeys		
Bureau	2 sessions	162,000 2x18 journeys	208,000	370,000
TFB	1 session	31,500 7 journeys	4,095	35,595
SBSTA/COP/JWG		67,500		67,500
and other meetings		15 journeys		,
SUB-TOTAL				1,169,095
LA meetings				
LA Meeting Climate Change and Water	Preparation TP	67,500 15 journeys	8,775	76,275
SUB-TOTAL				76,275
Scoping meetings, ex	pert meetings and workshop	s		
TGICA	2 meetings	63,000 14 journeys	8,190	71,190
EFDB Board		94,500 21 journeys	12,285	106,785
SUB-TOTAL				177,975
Other Expenditures			·	
Publications	EFDB update/management			9,000
	Publication AR4			1,000,000
	Publication AR4 SYR			250,000
Outreach				300,000
Secretariat				770,000
Co-Chairs				200,000
SUB-TOTAL				2,529,000
TOTAL				3,952,345