

**REPORT OF THE NINETEENTH SESSION OF THE
INTERGOVERNMENTAL PANEL ON CLIMATE CHANGE (IPCC)
Geneva, 17-20 (a.m. only) April 2002**

1. OPENING OF THE SESSION

1.1 IPCC Chair Dr Robert Watson opened the Session on 17 April 2002 at 10.30 a.m.

1.2 The IPCC Chair, the Secretary-General of the World Meteorological Organization: Professor G.O.P. Obasi, the Executive director of the United Nations Environment Programme: Dr Klaus Toepfer and the Chair of the Subsidiary Body for Scientific and Technological Advice (SBSTA) of the United Nations Framework Convention on Climate Change (UNFCCC): Dr Halldor Thorgeirsson, addressed the Panel.

1.3 The agenda as approved is attached as Appendix A, the list of attendees is at Appendix B and the decisions of the Session at Appendix C.

2. APPROVAL OF THE DRAFT REPORT OF THE EIGHTEENTH SESSION

2.1 Several amendments were made to section 4 the draft report of the 18th Session of the Panel. The report, as approved, is attached as Appendix D.

3. ELECTIONS OF THE BUREAU OF THE IPCC

3.1 In accordance with Regulation 24 of the WMO General Regulations a Credentials Committee was established. It consisted of one representative of each of the six IPCC regions (Appendix E). Legal advisors from the IPCC parent organisations WMO and UNEP assisted the committee.

3.2 To facilitate the election process, and consistent with regulations 24, 25, 26, 30 and 31 of the WMO General Regulations, a Nomination Committee was established. It consisted of two members from each of the six IPCC regions (Appendix F). Consistent with decisions 10 and 11 taken at the Eighteenth Session of the Panel (Appendix G) it was agreed that the Nomination Committee would consider all 30 positions on the IPCC Bureau and the 12 positions on the Bureau of the Task Force on Inventories. The Panel agreed that the Nomination Committee and the regional groups could hold informal consultations with candidates for the Chair of the IPCC and for other positions. It asked the Nomination Committee to report to the Panel at least twice a day.

3.3 In the initial discussion many delegations noted that the rules for election of the IPCC Bureau were not very clear. The Panel agreed that clear procedures for elections should be put in place well before the next round of elections.

3.4 In this context of the election for Bureau positions other than the Chair the following issues were raised:

- the rotation of posts needs to be considered in future;
- there need to be clear procedures for the elections, including role and mandate of the Nomination Committee, whether the Chair would be elected before the Bureau, whether there would be a single Chair or Co-chairs;
- whether there should be limits to the term of office; and,
- what is the most appropriate distribution of seats between, and within, IPCC Regions (the issue of the distribution of seats between western and eastern Europe and central Asia was of particular concern).

Decision 1: The Panel decided that well before the next round of elections the Chair would bring to the Panel a proposal describing the rules and procedures to be adopted by the IPCC when conducting elections.

3.a Election of the Chair of the IPCC

3.a.1 For this agenda item IPCC Chair, Dr Watson, recused himself and the Session was chaired by Vice-Chair Prof. Yuri Izrael.

3.a.2 The chair of the Credentials Committee, Ms Lauren Boodhoo (Trinidad & Tobago), reported that credentials of 146 countries registered for this session have been accepted. The Panel approved the report of the Credentials Committee unanimously.

3.a.3 The Nomination Committee reported to the Panel that three candidates had been nominated for the position of the Chair of the IPCC: Dr Jose Goldemberg, Dr R. Pachauri and Dr R. Watson. All three had indicated that they were highly committed to the work of the IPCC and also that they would be available to support the IPCC process if they were not elected as Chair of the IPCC.

3.a.4 An election for the position of the Chair of the IPCC was proposed and the IPCC Secretary explained the election procedures as follows:

- Voting is by secret ballot. The decision will be taken by simple majority of the votes cast (Art. 11 of the WMO Convention) and consistent with relevant provisions of the WMO General Regulations, such as Regulations 56, 57, 61, 62, 63(b) and 81;
- In the case that none of the candidates receives the number of votes equal to, or exceeding the next integer immediately above half of the voting slips received (excluding abstentions and blank or invalid voting slips), then another ballot is held between the first two candidates. In the event of a tie between two candidates the matter is decided by drawing lots (Regulations 86 and 89).
- Voting is to be done in alphabetical order (using the French country names) and as soon as the voting commences it cannot be interrupted.

3.a.5 Mr Dennis Lansana (Sierra Leone) and Mr Jose E. Salgado Rubio (Honduras) were appointed unanimously as tellers. No additional nominations were brought forward from the floor. After the presiding officer, Prof. Izrael, had established that the necessary quorum was present, he announced that the voting had commenced (as per Art. 12 of the WMO Convention).

3.a.5 133 voting slips were distributed and resulting vote count was:

Dr Goldemberg	7
Dr Pachauri	76
Dr Watson	49
Invalid votes	1

3.a.6 The presiding officer declared Dr Pachauri the new IPCC Chair.

3.a.7 Prof Izrael warmly thanked Dr Watson for his efforts during the last five years. IPCC Chair, Dr Watson, congratulated the IPCC Chair-elect and offered him, and the new (yet to be elected) IPCC Bureau, his continued assistance and support. Chair-emeritus, Prof. Bolin, also congratulated the new Chair and wished him all success and then thanked Dr Watson for his commitment to, and leadership of, the IPCC process. Many delegations congratulated Dr Pachauri on their own behalf and on behalf of their regions. Many thanks were extended to the outgoing Chair, Dr Watson, for his efforts and leadership.

3.a.8 In response the Chair-elect, Dr Pachauri, thanked the Panel for the trust it had placed in him and assured it of his commitment to the processes and principles that guide the IPCC. He commended

Dr Watson for his tireless efforts, expressed the hope that Dr Watson would remain a part of the IPCC and paid tribute to Chair-emeritus, Prof. Bolin.

3.b Election to the other positions of the IPCC Bureau.

3.b.1 After the presentation of the report of the Nomination Committees and a considerable debate (as reflected in Paragraph 3.4) the Bureau was elected by acclamation (Appendix H)

3.b.2 Panel members thanked the outgoing Bureau members and extended their best wishes to the new Bureau.

3.c Election to the Task Force Bureau

3.c.1 The Task Force Bureau was elected by acclamation (Appendix I)

4. ACTIONS AT THE TWENTY-FOURTH SESSION OF THE BUREAU

4.1 The Chair informed the Panel on actions taken by the Bureau at its Twenty-fourth and Twenty-fifth Sessions. On Land Use, Land Use Change and Forestry (LULUCF) it had endorsed the list of authors for Task 1 and agreed that scoping papers for Tasks 2 and 3 would be prepared for consideration by the Panel at its 19th session.

4.2 Regarding the Technical Paper on Climate Change and Sustainable Development, the Bureau could not reach a consensus, and agreed not to proceed with a Technical Paper at this point in time. It had decided to refer the issue back to the next session of the Panel for consideration of further possible action including the preparation of a Technical Paper or Special Report, or any other action such as a workshop.

4.3 The Bureau considered requests from COP-7 and agreed that a scoping paper for a Technical Paper on Carbon Storage Technologies would be prepared for consideration by the Panel.

4.4 Arising from the Panel discussions on this agenda item it was agreed that the reports of the Twenty-fourth and Twenty-fifth sessions of the Bureau would be made available to the Panel this week. The Panel decided that, in the interest of transparency, reports of future Bureau Sessions would be made available to the Panel in a timely manner.

<p>Decision 2: The Panel decided that, in the interest of transparency, reports of future Bureau meetings would be made available to the Panel in a timely manner.</p>

5. NATIONAL GREENHOUSE GAS INVENTORIES PROGRAMME

5.1 The Task Force on Inventories (TFI) Co-Chair, Mr Hiraishi, provided a progress report on activities related to Task 1. He noted that the slate of authors had been endorsed by the Bureau's Twenty-fourth Session and the first Authors/Experts meeting had been held on 12-14 March 2002 in Eisenach, Germany. The main objective of this meeting had been to prepare a zero order draft of chapter 2 on consistent representation of land areas. Mr Hiraishi also informed the Panel of increased budgetary requirements due to additional authors from developing countries and countries with economies in transition and one additional Authors/Experts meeting to be able to complete the task in time.

5.2 In the Session it was noted that care should be taken regarding any deviation from the existing source categories of the 1996 Guidelines.

5.3 The Panel agreed that this inventories work is of high priority and that additional budgetary requirements should be looked upon favorably. The Panel emphasized that close co-operation with SBSTA is crucial.

5.4 The Panel decided on the terms of reference, draft table of content and draft workplan for developing definitions for degradation of forest and devegetation of other vegetation types, and methodological options to inventory and report on emissions resulting from these activities to be as given in Appendix J (Part I). The Panel noted the slate of authors that had been endorsed by the IPCC Bureau at its Twenty-fifth Session.

Decision 3: The Panel decided on the terms of reference, draft table of content and draft workplan for developing definitions for degradation of forest and devegetation of other vegetation types, and methodological options to inventory and report on emissions resulting from these activities (IPCC NGGIP-LULUCF Programme: Task 2) to be as given in Appendix J (Part 1).

5.5 The Panel decided to adopt the proposal for carrying out IPCC NGGIP-LULUCF Programme: Task 3 as given in Appendix J (Part 2).

Decision 4: The Panel decided to adopt the proposal for carrying out IPCC NGGIP-LULUCF Programme: Task 3 as given in Appendix J (Part 2).

5.6 The TFI Co-Chair, Mr T. Hiraishi, presented the proposal developed by the Task Force Bureau (TFB) for reaching agreement on NGGIP products. In essence it was proposed that methodology reports for Tasks 1 and 2 would undergo two, combined, government/expert reviews of eight weeks. Chapter 1 would be subject to approval by the panel and the other chapters would be accepted. He outlined briefly the envisaged structure and content of chapter 1.

5.7 The Panel agreed with the proposed 2 stage combined, government/expert review. However, some governments requested that the review periods be extended to 10 weeks. Due to the short time available for completing Tasks 1 and 2 the Panel agreed to maintain the suggested timeline for these tasks but requested the co-chairs of the Task Force Bureau to make every attempt to extend the period for the second government/expert review by at least a week.

5.8 Diverging views were expressed regarding the process for reaching agreement to Chapter 1, as well as on its content. It was suggested that during the first review governments should provide guidance the type of material that they would like to find in Chapter 1 and whether it should be of an overview nature. It was noted by Dr Meyer, co-chair of the Finance Task Team (FiTT), that there were considerable financial implications of choosing approval over acceptance of chapter 1. Based on the overall discussion the Panel agreed to take a decision on the approval/acceptance process for Tasks 1 and 2 at its next Session.

5.9 Many delegations expressed the view that the procedures for agreement to NGGIP products need to be clarified and formalised. The Panel requested the new Task Force Co-chairs to prepare suggested amendments for the “Procedures for the Preparation, Review, Acceptance, Adoption, Approval and Publication of IPCC Reports” to cover all methodology reports, recognising that there may be different types of products.

Decision 5: The Panel decided that the:

- Procedure for agreeing NGGIP products (Tasks 1 and 2) would have a two stage, combined government/expert review, with a minimum of eight weeks allowed for each;
- Task Force co-chairs will arrange for the preparation of draft amendments for the “Procedures for the Preparation, Review, Acceptance, Adoption, Approval and Publication of IPCC Reports” to cover all methodology reports; and,

- Approval/acceptance procedures for Tasks 1 and 2 will be addressed by the Twentieth Session of the Panel.

6. IPCC PROGRAMME AND BUDGET FOR 2002-2005

a. Work Programme for 2003 and beyond

i. The timing of the Fourth Assessment Report

6.a.i.1 The Chair invited the Co-chairs of the three working groups to report on their experience with the TAR and to present their views on timing of further work. All agreed that there are no real advantages to be gained from staggering the reports and that at least five years (from now) are required to prepare a high quality assessment report. They also agreed that the Bureau needs to be in office for the full duration of the assessment and possibly shortly afterwards to assist the outreach programme. The opinion was expressed that an attempt should be made to better focus the Fourth Assessment Report while still making it comprehensive in nature.

6.a.i.2 The following issues were addressed in the debate that followed the Co-chair reports:

- When should the fourth assessment start and when should the Fourth Assessment Report be finalised?
- Is there a value in staggering the reports?
- Shall a Synthesis Report be prepared, how will it relate to the Working Group reports,
- What is the role of policy relevant scientific technical questions for the assessment process?
- Shall the working group reports be comprehensive or highly focused?
- What will be the term of office of the new IPCC Bureau?

6.a.i.3 Most delegations suggested that approximately five years would be a reasonable time period for preparing the Fourth Assessment Report, and many emphasized that it should be ready by the end of 2007 to serve the needs of the UNFCCC and its Kyoto Protocol. Several delegations suggested a sequencing of reports to facilitate consideration by governments.

6.a.i.4 Some delegations expressed the view that is important to identify the policy relevant scientific and technical questions early in the process, preferably before the work of the Working Groups commences. Others held the view that it would be useful to learn lessons from the TAR process and to first seek feedback from the user community in particular on scope and usefulness of the Synthesis Report. Many emphasized that the questions must not limit the scope of work but rather highlight information requirements of policymakers and that the questions should be developed in a dialogue with the policy community. Many delegations recommended that cross cutting issues be addressed early in the process and some suggested starting this work early, preferably in 2002.

6.a.i.5 The general consensus suggested that the new Bureau would serve throughout the preparation of the Fourth Assessment Report (AR4) and that the new Bureau needs to give clear guidance to the expert community to achieve the right balance between comprehensiveness and staying focused.

6.a.i.6 In reviewing the timing of the completion of the TAR the Panel noted that:

- The Working Group reports for the Third Assessment Report were completed between January and March 2001;
- The Synthesis Report was completed in September 2001;
- The preparation of the TAR had placed a considerable workload on the contributing scientific community, and that to some extent a level of fatigue had occurred that will take several years to overcome; and,
- Some time needs to be given to allow for further advances in the scientific knowledge and technologies relevant to climate change issues.

6.a.i.7 With these factors in mind the Panel agreed to a report timetable that aimed for a sequencing of reports, with the last element in the sequence to be prepared no later than the end of 2007.

Decision 6: In relation to the timing of the Fourth Assessment Report Panel decided that:

1. The Fourth Assessment Report (AR4) would be completed in 2007;
2. Working Group reports and, if it is decided to prepare one, the Synthesis Report, would be sequenced such that the Working Group I report would be finalised during the first quarter of 2007, Working Group II and Working Group III reports in mid-2007 and the Synthesis Report during the last quarter of 2007;
3. The AR4 will be comprehensive, but more focused and shorter, emphasizing recent information;
4. The scope and nature of the Synthesis Report will be approved by the Panel at its next session;
5. To the extent there is a need for policy relevant scientific technical questions they will be prepared through a SBSTA-IPCC dialogue taking into account lessons learnt from the TAR process; and,
6. The terms of office of the new Bureau should extend until the first or second session after finalisation of the AR4 but a final decision would need to be taken at a later date by the Panel taking into consideration all relevant timing issues including the conduct of outreach activities.

ii. *Preparation of Special Reports/Technical Papers*

6.a.ii.1 The Panel decided that prior to any decision concerning the preparation of further Special Reports, Decision 4 of Wembley must be implemented.

I. Geological Carbon Storage Technologies

6.a.ii.I.1 WG III Co-Chair, Dr Bert Metz, introduced this item. He noted that a decision taken at Marrakech, to be forwarded to COP/MOP, calls for the IPCC to prepare a “technical paper on geological carbon storage technologies”. In the Panel discussion there was a consensus that there is no real advantage in preparing a Technical Paper. In the discussion many delegations supported the suggestion of starting the process with a workshop and/or expert meeting later in 2002. The intention would be to aim for the timely completion of a Special Report for consideration by COP/MOP-2. Several delegations suggested expanding the scope of work to include carbon capture and storage in the ocean. Diverse views were expressed regarding the coverage of biological carbon sequestration in the ocean. Also mentioned were the legal aspects, environmental and other risks, aspects of monitoring and inventories. It was also noted that a balance, in the overall IPCC assessment process, should be maintained between this and other mitigation options in the energy sector.

6.a.ii.I.2 The Panel decided to hold a workshop in the fourth quarter of 2002 to address geological and oceanic carbon separation, capture and storage.

Decision 7: The Panel decided to hold a workshop in the fourth quarter of 2002 to consider the issues associated with geological and oceanic carbon separation, capture and storage. In particular, the workshop will address:

- Sources of CO₂ and technologies for CO₂ capturing;
- Transport of CO₂ from capture to storage;
- CO₂ storage options including:
 - Deep saline aquifers
 - Depleted oil and gas reservoirs
 - Oil reservoirs
 - Deep coal seams
 - Deep ocean

- Costs and energy efficiency of CO₂ capture as compared to other technological approaches to greenhouse gas reduction;
- Other technological and economic implications of large-scale introduction of geological carbon storage technologies;
- Environmental impacts;
- Impediments and barriers to the implementation of geological carbon storage
- Issues related to risk assessment and risk management;
- Legal aspects;
- Monitoring; and,
- Inventories.

The outcome of the workshop will be a scoping paper, timetable and detailed outline for a Special Report and a proposed list of authors for decision by the Panel at its next Session.

The issue of biological carbon sequestration will be addressed within the fourth assessment process.

II. Climate Change and Water

6.a.ii.II.1 The issue of climate change and water was introduced by an expert representing the WMO Hydrology Programme. There was consensus that this is an important topic for the IPCC to address.

Decision 8: The Panel decided to entrust the Bureaux of Working Group I and Working Group II, in consultation with Working Group III, with the preparation of a scoping paper for a possible Special Report on Climate Change and Water within the next four months.

The scoping paper will address the issue how such as Special Report will fit with, and build on, other ongoing assessment activities in the area, in particular the dialogue on water and climate.

A draft of the scoping paper will be circulated to experts and governments for comments and a revised draft prepared for consideration by the Panel at its next session.

III. Climate Change and Sustainable Development

6.a.ii.III.1 The Chair recalled the decision taken on that matter at the Eighteenth Session of the Panel, asking WG II and WG III to prepare a scoping paper for a Technical Paper and entrusting the Bureau with the task of taking a final decision on the Technical Paper. The Bureau, at its Twenty-fourth Session, could not reach agreement on whether to proceed with a Technical Paper, Special Report or merely a workshop on the topic. The Bureau has referred the matter back to the Panel.

6.a.ii.III.2 Dr Munasinghe, by way of a document presented to the Session, raised the issues of poverty and poverty alleviation. In the debate that followed many delegates suggested holding a workshop or expert meeting as a first step. Several delegations suggested addressing the issues relating to indigenous people.

Decision 9: The Panel decided that there will be an Expert Meeting on climate change and development that will develop proposals for the Panel outlining how it might further consider the issue.

The Expert Meeting will draw upon a broad range of experts and will be co-organised by Working Groups II and III.

The scope of the Expert Meeting, and ultimately the form of the scoping paper prepared as a result of the meeting, will be determined by the Bureaux of Working Groups II and III, in consultation with governments.

b. Budget proposals for 2003-2005

6.b.1 Leo Meyer, FiTT co-chair, presented the draft budget proposals, drawing attention to major changes in the budget, contingency planning for the years 2003, 2004 and 2005 for activities where Panel decision is pending, and suggestions for improved budget management.

6.b.2 It was decided to increase support for developing country co-chairs by 50.000 SFR to provide support for the Chair and to re-examine the issue based on experience. The Chair was asked to prepare a proposal describing the support he would require, and then to subsequently document the costs of the support provided under this item so that a better estimate might be made of the amount required.

6.b.3 Chair-elect, Dr Pachauri, expressed concern that having TERI continue to host the website could be perceived to give rise to a conflict of interest. Dr Pachauri, informed the Panel that he would address the issue. It was also agreed that in future, in budget and other IPCC documents "TERI website" needs to be changed to "IPCC website".

6.b.4 It was agreed that the Bureau should favourably examine a request for contribution to a GCOS workshop on adequacy of observational networks.

6.b.5 It was agreed that there should be support for an expert meeting on Climate Change and Sustainable Development of CHF 126,280 (20 journeys plus 10%) additional in 2002 budget.

6.b.6 The full decision of the Panel in relation to the budget item is at Appendix K.

Decision 10: The Panel decided on the budget proposals as described in Appendix K.

7. PROGRESS REPORTS

The Chair informed the Panel that the Technical Paper on Climate Change and Biodiversity was finalised at the Twenty-fifth Session of the Bureau.

8. OTHER BUSINESS

8.1 No other business was raised

TIME AND PLACE OF THE NEXT SESSION

9.1 First quarter of 2003, preferably towards the end of February, in Geneva.

CLOSING OF THE SESSION

10.1 IPCC Chair Dr Watson thanked the panel and the scientific community for their cooperation and handed over to the new IPCC Chair, Dr Pachauri, who formally closed the Session at 16.50 hours.



INTERGOVERNMENTAL PANEL
ON CLIMATE CHANGE

IPCC-XIX/Doc. 1
(14.II.2002)

NINETEENTH SESSION
Geneva, 17-20 (morning only) April 2002

Agenda item: 1
ENGLISH ONLY

PROVISIONAL AGENDA

Participants can register at the International Conference Centre of Geneva from 1500 to 1800 hours on Tuesday, 16 April 2002 and from 0800 hours on Wednesday, 17 April 2002, onwards.

There will be a cocktail reception at 1830 hours on 17 April 2002 at the session venue. All attendees, staff and interpreters are cordially invited.

There are no plans for evening sessions leaving lunch hours and evenings free for consultations among delegations.

1. OPENING OF THE SESSION (Doc. 1)

The Chairman of the IPCC, Dr Robert T. Watson, will call the session to order at 1000 hours on Wednesday, 17 April 2002 and make his opening remarks.

Simultaneous interpretation in Arabic, Chinese, English, French, Russian and Spanish will be provided during the plenary meetings of the session. All documentation for the session will be in English only.

- 1.1 Remarks by Prof. G.O.P. Obasi, Secretary-General of the World Meteorological Organization
- 1.2 Remarks by Dr K. Töpfer, Executive Director of the United Nations Environment Programme
- 1.3 Remarks by Dr Halldor Thorgeirsson, Chairman of the Subsidiary Body for Scientific and Technological Advice (SBSTA) of the United Nations Framework Convention on Climate Change (UNFCCC)
- 1.4 Remarks by Ms Joke Waller-Hunter, Executive Secretary of the UNFCCC
- 1.5 Working arrangements

It is suggested that the working hours be from 1000 to 1300 hours for the morning meetings and from 1500 to 1800 hours for the afternoon meetings with breaks as decided by the Chairman.

- 1.6 Approval of the agenda

The provisional agenda will be submitted for approval. The agenda may be amended at any time during the session.

2. APPROVAL OF THE DRAFT REPORT OF THE EIGHTEENTH SESSION (Doc. 2)

The Secretary will submit the draft for approval.

3. ELECTION OF THE BUREAU OF THE IPCC (Doc. 3)

The Panel may recall its decision (Eighteenth Session, Wembley, UK, 24-29 September 2001) to elect its new Bureau and the Bureau (TFB) of the Task Force on National Greenhouse Gas Inventories at this – Nineteenth – session.

The agenda item will be introduced and taken up as the slate(s) of candidates is/are ready for consideration. The item will be kept open until election to all the positions is complete. The elections will take place in the following order:

- a. Election of the Chairman of the IPCC
- b. Election to the other positions on the IPCC Bureau
- c. Election to the Bureau (TFB) of the Task Force on National Greenhouse Gas Inventories

The elections can be independent of each other and can occur at different times during the session.

Following the precedent set at the Thirteenth Session (Maldives, 22 & 25-28 September 1997), Dr Robert T. Watson will chair the session until the closing of the session, at which time the chairmanship will pass to the Chairman-elect. The new Chairman will close the session.

4. ACTIONS AT THE TWENTY-FOURTH SESSION OF THE BUREAU (Doc. 4)

The Chairman will inform the Panel of the actions taken by the Bureau at *its* Twenty-fourth Session (Geneva, 17-18 December 2001).

5. NATIONAL GREENHOUSE GAS INVENTORIES PROGRAMME (Doc. 5)

The Chairman will invite Mr Taka Hiraishi, Co-Chairman of the Task Force on National Greenhouse Gas Inventories, to introduce the agenda items for discussion and decision.

The Panel may recall that items 5a, 5b and 5c originate from the Marrakech Accords requests.

- a. Report on the First Authors'/Experts' Meeting on Good Practice Guidance for Land Use, Land Use Change and Forestry (NGGIP-LULUCF Task 1), including the final list of the Co-ordinating Lead/Lead Authors for the planned Good Practice Report.
- b. The Terms of Reference, the Table of Contents, the Work Plan and the proposed slate of authors for developing definitions for degradation of forests and devegetation of other vegetation types, and methodological options to inventory and report on emissions resulting from these activities (NGGIP-LULUCF Task 2).
- c. Approval of the Work Plan on the development of practicable methodologies to distinguish direct human-induced changes from indirect human-induced and natural effects with respect to carbon stocks and greenhouse gas emissions by sources and removals by sinks (NGGIP-LULUCF Task 3).
- d. Procedures to agree on the NGGIP products.

6. IPCC PROGRAMME AND BUDGET FOR 2003-2005 (Doc. 6)

In order to formulate better and more accurate budget proposals, the decisions of the Panel are required on a number of items.

- a. **Work Programme for 2003 and beyond**

The Panel may wish to decide:

- i. The timing of its Fourth Assessment.
- ii. Preparation of Special Reports/Technical Papers.

I. Geological Carbon Storage Technologies

The Panel may recall that the Marrakech Accords invited “the Intergovernmental Panel on Climate Change, in co-operation with other relevant organizations, to prepare a technical paper (sic) on geological carbon storage technologies, covering current information, and report on it for the consideration of the Conference of the Parties serving as the meeting of the Parties to the Kyoto Protocol at its second session.”

The Chairman will introduce the topic for discussion and decision.

II. Climate Change and Water

The Dialogue on Water and Climate would like to propose a Special Report on Climate Change and Water to be prepared in collaboration with them. The Report would be prepared following the Procedures for the Preparation, Review, Acceptance, Adoption, Approval and Publication of IPCC Reports. In this connection, the Panel may recall its Special Report, Aviation and the Global Atmosphere, which was prepared in collaboration with the Scientific Assessment Panel to the Montreal Protocol.

The Chairman will introduce the topic for discussion and decision.

III. Climate Change and Sustainable Development

The Panel may recall its decision (Draft Report of the Eighteenth Session) to prepare a Technical Paper on the subject and requested the Bureau to review a revised scoping paper for approval. The Bureau, at its Twenty-fourth Session (Geneva, 17-18 December 2001) deferred to the Panel the decision on the Technical Paper.

The Chairman will introduce the topic for discussion and decision.

IV. Levels of the Greenhouse Gases in the Atmosphere and Dangerous Anthropogenic Interference with the Climate System

The Panel may recall its request (Draft Report of the Eighteenth Session) to Vice-Chairman Prof. Yuri Izrael to prepare a scoping paper for a possible Technical Paper, Levels of the Greenhouse Gases in the Atmosphere and Dangerous Anthropogenic Interference with the Climate System.

The Chairman will invite Prof. Izrael to report on the progress on the scoping paper.

- iii. Organization of the Task Force on National Greenhouse Gas Inventories.

The Chairman will invite Mr Taka Hiraishi, Co-Chairman of the Task Force, to introduce the topic for discussion and decision.

- iv. Future Communication Strategy.

The Chairman will invite the Chairman of the Ad-Hoc Group on Communication Strategy, Dr R.K. Pachauri, to report on the item for discussion and decision.

b. Budget proposals for 2003-2005

The Secretary will introduce the proposal for discussion and decision.

7. PROGRESS REPORTS

a. Workshop on Extreme Events

The Chairman will invite the Co-Chairmen of Working Group I, Sir John Houghton and Dr Ding Yihui, to report on the progress.

b. Completion of the Technical Paper on Climate Change and Biodiversity

The Chairman will report on the progress.

8. OTHER BUSINESS

9. TIME AND PLACE OF THE NEXT SESSION

10. CLOSING OF THE SESSION

The session is expected to close at 1300 hours on Saturday, 20 April 2002.

INTERGOVERNMENTAL PANEL ON CLIMATE CHANGE

NINETEENTH SESSION

GENEVA, 17-20 (a.m.) APRIL 2002

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Decisions of the Nineteenth Session of the IPCC

Decision 1: The Panel decided that well before the next round of elections the Chair would bring to the Panel a proposal describing the rules and procedures to be adopted by the IPCC when conducting elections.

Decision 2: The Panel decided that, in the interest of transparency, reports of future Bureau meetings would be made available to the Panel in a timely manner.

Decision 3: The Panel decided on the terms of reference, draft table of content and draft workplan for developing definitions for degradation of forest and devegetation of other vegetation types, and methodological options to inventory and report on emissions resulting from these activities (IPCC NGGIP-LULUCF Programme: Task 2) to be as given in Appendix I (Part 1).

Decision 4: The Panel decided to adopt the proposal for carrying out IPCC NGGIP-LULUCF Programme: Task 3 as given in Appendix F (Part 2).

Decision 5: The Panel decided that the:

- Procedure for agreeing NGGIP products (Tasks 1 and 2) would have a two stage, combined government/expert review, with a minimum of eight weeks allowed for each;
- Task Force co-chairs will arrange for the preparation of draft amendments for the “Procedures for the Preparation, Review, Acceptance, Adoption, Approval and Publication of IPCC Reports” to cover all methodology reports; and,
- Approval/acceptance procedures for Tasks 1 and 2 will be addressed by the Twentieth Session of the Panel.

Decision 6: In relation to the timing of the Fourth Assessment Report Panel decided that:

1. The Fourth Assessment Report (AR4) would be completed in 2007;
2. Working Group reports and, if it is decided to prepare one, the Synthesis Report, would be sequenced such that the Working Group I report would be finalised during the first quarter of 2007, Working Group II and Working Group III reports in mid-2007 and the Synthesis Report during the last quarter of 2007;
3. The AR4 will be comprehensive, but more focused and shorter, emphasizing recent information;
4. The scope and nature of the Synthesis Report will be approved by the Panel at its next session;
5. To the extent there is a need for policy relevant scientific technical questions they will be prepared through a SBSTA-IPCC dialogue taking into account lessons learnt from the TAR process; and,
6. The terms of office of the new Bureau should extend until the first or second session after finalisation of the AR4 but a final decision would need to be taken at a later date by the Panel taking into consideration all relevant timing issues including the conduct of outreach activities.

Decision 7: The Panel decided to hold a workshop in the fourth quarter of 2002 to consider the issues associated with geological and oceanic carbon separation, capture and storage. In particular, the workshop will address:

- Sources of CO₂ and technologies for CO₂ capturing;
- Transport of CO₂ from capture to storage;
- CO₂ storage options including:
 - Deep saline aquifers
 - Depleted oil and gas reservoirs
 - Oil reservoirs
 - Deep coal seams

- Deep ocean
- Costs and energy efficiency of CO₂ capture as compared to other technological approaches to greenhouse gas reduction;
- Other technological and economic implications of large-scale introduction of geological carbon storage technologies;
- Environmental impacts;
- Impediments and barriers to the implementation of geological carbon storage
- Issues related to risk assessment and risk management;
- Legal aspects;
- Monitoring; and,
- Inventories.

The outcome of the workshop will be a scoping paper, timetable and detailed outline for a Special Report and a proposed list of authors for decision by the Panel at its next Session.

The issue of biological carbon sequestration will be addressed within the fourth assessment process.

Decision 8: The Panel decided to entrust the Bureaux of Working Group I and Working Group II, in consultation with Working Group III, with the preparation of a scoping paper for a possible Special Report on Climate Change and Water within the next four months.

The scoping paper will address the issue how such as Special Report will fit with, and build on, other ongoing assessment activities in the area, in particular the dialogue on water and climate.

A draft of the scoping paper will be circulated to experts and governments for comments and a revised draft prepared for consideration by the Panel at its next session.

Decision 9: The Panel decided that there will be an Expert Meeting on climate change and development that will develop proposals for the Panel outlining how it might further consider the issue.

The Expert Meeting will draw upon a broad range of experts and will be co-organised by Working Groups II and III.

The scope of the Expert Meeting, and ultimately the form of the scoping paper prepared as a result of the meeting, will be determined by the Bureaux of Working Groups II and III, in consultation with governments.

Decision 10: The Panel decided on the budget proposals as described in Appendix J.

**REPORT OF THE EIGHTEENTH SESSION OF THE
INTERGOVERNMENTAL PANEL ON CLIMATE CHANGE (IPCC)**

Wembley, UK, 24-29 September 2001

(without appendices)

OPENING CEREMONIES

Dr. Robert T. Watson opened the session at 1015 hours on Monday, 24 September 2001 at the Wembley Conference Centre.

The Rt. Hon'ble John Prescott M.P, the Deputy Prime Minister of the United Kingdom of Great Britain and Northern Ireland addressed the Panel followed by Prof. G.O.P. Obasi, Secretary-General of the World Meteorological Organization, Mr. J.E. Illueca, Assistant Executive Director of the United Nations Environment Programme, Mr. D. Tirpak of the Secretariat for the United Nations Framework Convention on Climate Change, Dr. Robert T. Watson, the Chairman of the IPCC and Dr. N. Sundararaman, the Secretary of the IPCC.

1. OPENING OF THE SESSION (agenda item 1)

1.1 The agenda as approved is attached in Appendix 1.

2. APPROVAL OF THE DRAFT REPORT OF THE SEVENTEENTH SESSION (agenda item 2)

2.1 The draft report was approved without amendments.

3. APPROVAL/ADOPTION OF THE DRAFT SYNTHESIS REPORT (agenda item 3)

3.1 The IPCC approved the Summary for Policymakers, and adopted the underlying longer part, of the Synthesis Report of the Third Assessment Report (TAR).

4. FUTURE OF THE IPCC (agenda item 4)

4.1 The decisions of the IPCC with regard to (a) the election of the new Bureau and (b) the future of the IPCC are to be found in Appendix 2. Additional issues for the consideration of the new Bureau, for guidance purposes, were placed by the Panel in the annex to Appendix 2.

4.2 The membership of the current Bureau and the listing of the IPCC member countries by IPCC region were circulated to the session for information.

4.3 With regard to (a) the proposed Report on Good Practice Guidance and Uncertainty Management in Land Use, Land Use Change and Forestry and (b) the other activities under its National Greenhouse Gas Inventories Programme, the IPCC:

- a. accepted the Terms of Reference and the table of contents for the Report on Good Practice Guidance and Uncertainty Management on Land Use, Land Use Change and Forestry (see Appendix 3);
- b. authorized its Task Force to prepare a scoping paper on the issue of degradation and devegetation for the consideration of the Panel at its Nineteenth Session planned for April 2002. The Task Force is also authorized to seek nominations, from governments and organizations, for Co-ordinating Lead/Lead/Contributing Authors and Review Editors and reviewers in this connection.

4.4 The IPCC in principle supported preparation of a Technical Paper on Climate Change and Sustainable Development with a final decision to be taken by the Bureau at its 24th session (December 2001). It requested that the Draft Terms of Reference for the Proposed Technical Paper on Climate Change and Sustainable Development, circulated at the session, be revised and sent to the delegates for comments; nominations for consideration as Co-ordinating Lead/Lead Authors/Contributing Authors/Review Editors should be solicited from governments and organizations also. The result should be made available to the next session of the IPCC Bureau for decision.

4.5 The IPCC accepted the scoping paper on its Technical Paper on Climate Change and Biological Diversity prepared by Drs. Robert T. Watson, Habiba Gitay and Leonard Nurse (IPCC-XVIII/Doc. 4 (f), Rev. 1). The Bureau (Twenty-third Session, Wembley, 23 September 2001) had earlier accepted the proposed list of authors with a proviso that a few (three to six) be added to the list to ensure balance of expertise and geographical balance.

4.6 The Panel noted the report by the Chairman of the Ad-Hoc Group on Communication Strategy, Dr. R.K. Pachauri, and requested that the proposal for appointment of an officer in the IPCC Secretariat to initiate and co-ordinate outreach activities be addressed as part of an overall communications work plan and budget to be submitted to the IPCC at its next session.

5. IPCC WORK PROGRAMME AND BUDGET FOR 2002-2004 (agenda item 5)

5.1 The Financial Task Team met under the chairmanship of Dr. Leo Meyer, its Chairman and finalized the draft decision on the IPCC work programme and budget for 2002.

5.2 The IPCC approved its work programme and budget for the year 2002, which is attached in Appendix 4.

6. OTHER BUSINESS

6.1 The IPCC authorized its Working Groups and Task Force to prepare scoping papers, including work plans and financial implications, for Technical Papers, Special Reports and methodological work requested by the Seventh Session of the Conference of the Parties to the United Nations Framework Convention on Climate Change. The scoping papers are for the Panel's consideration at its next session planned for April 2002.

6.2 The IPCC requested one of its Vice-Chairmen, Prof. Yuri Izrael, to prepare a scoping paper for a possible Technical Paper, Levels of Greenhouse Gases in the Atmosphere Preventing Dangerous Anthropogenic Interference with the Climate System, for its consideration at its next session planned for April 2002.

6.3 Dr. Bert Metz, the Co-Chairman of Working Group III, informed the Panel that funding was available from the Government of the Netherlands towards outreach activities for the Report of Working Group III in the TAR and the recent Working Group III Special Reports. In this connection, a call for proposals from developing countries and countries with economies in transition was issued for initiating the outreach.

6.4 The Panel approved a workshop on extreme events proposed by the Bureau of Working Group I. A copy of the proposal is attached in Appendix 5. Funds for the purpose were included in the work programme and budget for 2002 (see Appendix 4).

7. APPROVAL OF THE REPORT OF THE SESSION (agenda item 7)

7.1 The decisions of the Panel, including that on its work programme and budget for 2002, were circulated at the session.

7.2 The balance of the report (which would incorporate the Panel decisions in the appropriate places) would be submitted to the Panel at its next session for approval.

8. TIME AND PLACE OF NEXT SESSION (agenda item 8)

8.1 The Secretary will announce the time and place of the next session.

9. CLOSING OF THE SESSION (agenda item 9)

9.1 The session closed at 2126 hours on Saturday, 29 September 2001.

9.2 The list of attendees is attached in Appendix 6.



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INTERGOVERNMENTAL PANEL ON CLIMATE CHANGE



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APPENDIX E

MEMBERS OF THE CREDENTIALS COMMITTEE

Region I	Rwanda
Region II	Islamic Republic of Iran
Region III	Paraguay
Region IV	Trinidad and Tobago
Region V	Singapore
Region VI	Austria



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INTERGOVERNMENTAL PANEL ON CLIMATE CHANGE



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APPENDIX F

MEMBERS OF THE NOMINATION COMMITTEE

Region I	Mozambique Nigeria
Region II	Nepal Saudi Arabia
Region III	Argentina Peru
Region IV	Canada Cuba
Region V	Australia Philippines
Region VI	Iceland / Hungary Sweden

IPCC Decisions with regard to (a) the timing and characteristics of the Fourth Assessment, (b) the timing of the election of the new Bureau and (c) possible reorganization of the Task Force on National Greenhouse Gas Inventories (TFI) as a Working Group

1. Election of the New Bureau

1.1 The IPCC decided that elections for the new Bureau will be held at its Nineteenth Session planned for April 2002.

2. Future of the IPCC

a. Mandate for the Continuation of the IPCC

Decision: The IPCC decides that its work must continue to maintain its high scientific and technical standards, independence, transparency and geographic balance, to ensure a balanced reporting of viewpoints and to be policy relevant but not policy prescriptive or policy driven.

b. Decisions on Key Issues

Issue 1: Should the IPCC continue to prepare comprehensive assessments?

Decision 1: The IPCC decides to continue to prepare comprehensive reports, and recommends that the new Working Group Co-chairs and other members of the Bureau examine whether it is feasible to: (i) shorten the underlying reports, while maintaining their comprehensive nature, and increase the focus and emphasis on new findings, and (ii) shorten the SPMs and make them more comprehensible to policymakers. Each Working Group report should continue to consist of a Summary for Policymakers (SPM), a Technical Summary (TS) and an underlying report, prepared and peer-reviewed according to the IPCC Principles and Procedures.

Issue 2: What is an appropriate time interval between the Third Assessment Report and the Fourth Assessment Report?

Decision 2: The IPCC requests its Bureau to consult with the expert community and the Subsidiary Body for Scientific and Technological Advice (SBSTA) of the Conference of the Parties to the United Nations Framework Convention on Climate Change and provide inputs for its (the Panel's) consideration of the issue at its Nineteenth Session planned for April 2002.

Issue 3: Should the Working Group that assesses past and future changes in climate (current Working Group I) precede the Working Group that assesses the impacts, adaptation and vulnerability (current Working Group II) and if so, by how long?

Decision 3: The IPCC requests its Bureau to consult with the expert community and the Subsidiary Body for Scientific and Technological Advice (SBSTA) of the Conference of the Parties to the United Nations Framework Convention on Climate Change and provide inputs for its (the Panel's) consideration of the issue at its Nineteenth Session planned for April 2002.

Issue 4: Should the comprehensive reports be supplemented by shorter, more focussed Special Reports on specific issues, especially reports that integrate science, impacts, economics and policy options, as in the Synthesis Report?

Decision 4: The IPCC decides to endorse the preparation of Special Reports and requests the new Bureau to develop a framework and set of criteria for establishing priorities to be approved by the Panel. Special Reports will be considered on a case-by-case basis by the Panel.

Comments: The Panel will give inputs and guidance to the new Bureau of issues to be considered in the formulation of the framework and set of criteria for establishing priorities for the Special Reports (see the annex).

Issue 5: Should the IPCC continue to be responsive to the needs of the UNFCCC through the preparation of Technical Papers, Special Reports and reports on methodological issues?

Decision 5: The IPCC decides to endorse considering requests for Technical Papers, Special Reports or methodological work received from the UNFCCC with decisions being taken on a case by case basis by the Panel using the priority framework and criteria established under decision 4.

Issue 6: Should the IPCC be responsive to the needs of other Conventions or organizations, e.g., the Convention on Biological Diversity (CBD), the Convention to Combat Desertification (CCD) or the Vienna Convention on the Protection of the Ozone Layer through the preparation of Technical Papers, Special Reports and reports on methodological issues?

Decision 6: The IPCC decides to endorse considering requests for Technical Papers, Special Reports or methodological work from Conventions other than the United Nations Convention on Climate Change and organizations. It would decide to prepare the products on a case by case basis, using the priority framework and criteria established under decision 4.

Issue 7: Should the current IPCC Principles and Procedures apply for Special Reports, i.e., a sequential expert review followed by expert/government review, or could a single step simultaneous expert/government peer-review process be used, subject to approval at a plenary session of the Panel, in order to be more responsive to the needs of the Parties to the UNFCCC and the Kyoto Protocol?

Decision 7: The IPCC decides that there will be no changes, for the time being, to the existing procedures regarding the preparation, peer-review and acceptance/approval procedures for the Special Reports.

Issue 8: What is the appropriate Working Group structure?

Decision 8: The IPCC decides to maintain the current Working Group structure.

Issue 9: How should Special Reports be managed?

Decision 9: The IPCC decides to reconsider the issue at its Nineteenth Session planned for April 2002.

Issue 10: Should the inventories Task Force become a fourth Working Group?

Decision 10: (i) The IPCC decides to maintain its Task Force on Inventories, co-chaired by two members of the IPCC Bureau (one from an industrialized country and one from a developing country) with twelve additional members on the Task Force Bureau (two per IPCC/WMO region). The Task force is mandated to carry out the work, as approved by the Panel, on inventory-related methodologies and practices.

Issue 11: What is the appropriate size, structure and geographic representation of the Bureau?

Decision 11: The IPCC decides that the size of the Bureau remains at 30 with the current geographic balance. The IPCC also decides that the IPCC Bureau would consist of a Chair, three Vice-Chairs with specific responsibilities, two Co-chairs of the Task Force on Inventories and three Working Group Bureaux, each with two Co-chairs and six members.

1. Additional Issues that Need to be Considered by the New Bureau

1.1 There were a number of issues that should be addressed at the Nineteenth Session planned for April 2002.

a. Mechanisms must be developed to ensure:

- greater consideration of cross-cutting issues including sustainable development;
- appropriate representation of experts from developing countries and countries with economies in transition - Bureau members, in conjunction with IPCC focal points, must take responsibility for identifying appropriate candidates;
- that the non-English literature is appropriately assessed - Bureau members must take responsibility to assist Coordinating Lead Authors identify appropriate literature;
- a deeper engagement with industry and NGOs - possible formation of informal IPCC-industry and IPCC-NGO task groups;
- greater transparency of the Bureau;
- stability in IPCC financing; and

b. Whether or not the Synthesis Report should act as a guide to the rest of the assessment.

2. Inventories Work

2.1 The issues are:

a. What procedures should be used to accept, adopt or approve greenhouse gas inventories work products?

- Should the inventories reports, which would be accepted, have an Executive Summary or a Technical Summary that could be adopted or approved?
- What are the financial implications of the procedures?



APPENDIX H

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M. MUNASINGHE	SRI LANKA	II
Y.A. IZRAEL	RUSSIAN FEDERATION	VI

WORKING GROUP I		
Co-chairs	Country	Region
D. QIN	CHINA	II
S. SOLOMON	USA	IV
Vice-chairs	Country	Region
B. JALLOW	GAMBIA	I
K. BOONPRAGOB	THAILAND	II
M.T. MARTELLO	VENEZUELA	III
M.R. MANNING	NEW ZEALAND	V
J. JOUZEL	FRANCE	VI
F. GIORGI	ITALY	VI

WORKING GROUP II		
Co-chairs	Country	Region
O. CANZIANI	ARGENTINA	III
M.L. PARRY	UK	VI
Vice-chairs	Country	Region
A. ALLALI	MOROCCO	I
J.M.R. STONE	CANADA	IV
L. VILLERS RUIZ	MEXICO	IV
J. ZILLMAN	AUSTRALIA	V
J.-P. VAN YPERSELE	BELGIUM	VI
L.K. KAJFEZ-BOGATAJ	SLOVENIA	VI

WORKING GROUP III		
Co-chairs	Country	Region
B. METZ	NETHERLANDS	VI
O. DAVIDSON	SIERRA LEONE	I
Vice-chairs	Country	Region
I.A.R ELGIZOULI	SUDAN	I
Z.H. ABU-GHARARAH	SAUDI ARABIA	II
E. CALVO	PERU	III
R. PICHES-MADRUGA	CUBA	IV
R.T.M. SUTAMIHARDJA	INDONESIA	V
J. CHRISTENSEN *	DENMARK	VI

* Note: There is agreement between Denmark and Germany that after three years an expert from Germany (O. HOHMEYER) will take the place of J. CHRISTENSEN.

TASK FORCE BUREAU Co-CHAIRS		
Co-chairs	Country	Region
T. KRUG	BRAZIL	III
T. HIRAISHI	JAPAN	II



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INTERGOVERNMENTAL PANEL ON CLIMATE CHANGE



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APPENDIX I

TASK FORCE BUREAU		
Co-chairs	Country	Region
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T. HIRAISHI	JAPAN	II
Members	Country	Region
S.N. SOK APPADU	MAURITIUS	I
J. KATIMA	UNITED REPUBLIC OF TANZANIA	I
K. PARIKH	INDIA	II
D. AL-AJMI	KUWAIT	II
J. HANNA FIGUEROA	BOLIVIA	III
S. GONZALES	CHILE	III
A. JAQUES	CANADA	IV
D. KRUGER	USA	IV
I. CARRUTHERS	AUSTRALIA	V
H. PLUME	NEW ZEALAND	V
A. ROSLAND	NORWAY *	VI
S. KHORAFAN	SYRIAN ARAB REPUBLIC	VI

* Note: There is agreement between Norway and the United Kingdom that after three years an expert from the United Kingdom (J. PENMAN) will take the place of A. ROSLAND.

**TERMS OF REFERENCE, (ANNOTATED) TABLE OF CONTENTS AND WORK
PROGRAMME FOR TASK 2**

**DEFINITIONS AND METHODOLOGICAL OPTIONS TO INVENTORY EMISSIONS
FROM DIRECT HUMAN-INDUCED DEGRADATION OF FORESTS AND
DEVEGETATION OF OTHER VEGETATION TYPES**

TERMS OF REFERENCE

In response to the decisions of the IPCC XVII and XVIII and the invitation in decision 11/CP.7 in the Marrakesh Accords, the IPCC will develop a report comprising possible definitions for direct human-induced degradation of forests and devegetation of other vegetation types, and methodological options to inventory and report on emissions resulting from these activities. Elaboration of the definitions, inventory methodologies and reporting requirements will base its work, inter alia, on:

- ?? The IPCC Special Report on LULUCF,
- ?? Any available draft report on good practice guidance and uncertainty management for the Land Use, Land-Use Change and Forestry sector,
- ?? IPCC Good Practice Guidance Report,
- ?? Proceedings of the joint IPCC/FAO/CIFOR/IUFRO expert meeting on harmonizing forest-related definitions for use by various stakeholders, and subsequent meetings occurring on a relevant timetable
- ?? Relevant SBSTA/COP decisions

The purpose of this report is to respond to concerns that selection of eligible activities under Article 3.4 of the Kyoto Protocol could give rise to an unbalanced accounting if certain types of degradation or devegetation activities are not included. The report would develop definitions for direct human-induced degradation of forests and devegetation of other vegetation types, develop methods to inventory emissions from these activities and analyse the implications of different options to include the accounting of these activities under the provisions of Article 3.4 of the Kyoto Protocol, including the relation to forest management and revegetation.

The development of the methodologies would be done in close cooperation with the preparation of the report on good practice guidance and uncertainty management for the LULUCF sector to ensure consistency with the methodologies developed in this work (Table 1 - Work Plan). Any available information from the IPCC work on factoring out human-induced changes in carbon stocks and greenhouse gas emissions by sources and sinks from those due to indirect human-induced and natural effects, and effects due to past practices in forests would also be utilised in the work.

The final result of the work would be a methodology report. This could be attached as a module in a comprehensive IPCC handbook on methods and reporting on LULUCF activities.

ANNOTATED TABLE OF CONTENTS

Chapter 1: Introduction

The report responds to the decision of IPCC-XVIII (September 2001). It will contain definitions for direct human-induced degradation of forests and devegetation of other vegetation types, implications of different options to include the accounting of these activities under the provisions of Article 3.4 of the Kyoto Protocol, including the relation to forest management and revegetation, and methods to inventory emissions from these activities.

(The structure of the report should be summarised in this chapter.)

Chapter 2: Definitions for Degradation of Forests and Devegetation of Other Vegetation Types

This section will define and describe degradation of forests and devegetation of other vegetation types and list direct human-induced activities that may cause the effects. It will include recent findings on the magnitude or scale of the effects of these activities to emissions of greenhouse gases. Natural and indirect human-induced causes of degradation and devegetation will be addressed, especially in cases where their distinction from direct human-induced causes is difficult.

Chapter 3: Methodological Options to Inventory Emissions from Direct Human-Induced Activities

3.1. Methodologies to estimate emissions from degradation of forests and devegetation and other vegetation types

This section will present methodological approaches that may be used to estimate annual changes in carbon stocks and emissions and removals of greenhouse gases caused by direct human-induced degradation and devegetation activities. The relationship to forest management and revegetation will be addressed taking into account any relevant material coming from the IPCC work on good practice guidance and uncertainty management for the LULUCF sector. Guidance on methodological choice, activity data collection and choice of emission factors will be given. Consistency with other reporting requirements, completeness and avoidance of double counting and the development of consistent time series will be addressed.

This section may also include some aspects of uncertainty analysis, and quality assurance/quality control specific to degradation and devegetation.

3.2. Reporting and Documentation

Tables and worksheets to facilitate computation and reporting of emissions will be presented in this section.

Chapter 4: Implications of different methodological options to accounting under the provisions of Article 3.4 of the Kyoto Protocol

An analysis of optional methods in terms of scale of applicability, costs, accuracy, and so forth will be presented.

Table 1. Work Plan for “Degradation of forests and devegetation of other vegetation types”

Date	Activity/Review/Event	Objectives	Actions	Expected Output
March 2002	TFB8	To consider the TOR, TOC and workplan To select authors/experts and reviewers for the work		Draft TOR, TOC, work plan Proposal on a slate of authors, for consideration by IPCC Panel XIX
April 2002	IPCC Bureau XXV, IPCC Panel XIX	To endorse the TOR, TOC, workplan and slate of authors/expert and reviewers		TOR, TOC, work plan Slate of authors
July 2002	First Expert Meeting (small scale) - parallel with expert meeting on Good Practice for LULUCF	To initiate work on the report on definitions and inventory methods		Zero order draft
September 2002	Second Expert Meeting (small scale) - in conjunction with expert meeting on Good Practice for LULUCF	To produce a draft report on definitions and inventory methods		First order draft
October – November 2002	COP8/SBSTA17	To present progress on the work and seek for further guidance	Presentation at SBSTA/Side-event	Any guidance from SBSTA
December 2002 – January 2003	First combined government/expert review (8 weeks)	To secure governments’ and experts’ views on the first draft of the report	Review by governments and experts	Views from governments and experts
March 2003	Third Expert Meeting (small scale) - parallel with expert meeting on Good Practice for LULUCF	To address/resolve issues raised by governments and experts on the draft report To develop the second draft of the report		Second order draft

May – June 2003	Second combined government/expert review (8 weeks)	To secure governments' and experts' views on the first draft of the report	Review by governments and experts	Views from governments and experts
June 2003	SBSTA18	To present progress on the work and seek for further guidance	Presentation at SBSTA/Side-event	Any guidance from SBSTA
July 2003	Fourth Expert Meeting (small scale) - in conjunction with expert meeting on Good Practice for LULUCF	- To address/resolve issues raised by governments and experts on the draft report - To develop the final draft of the report		Final draft for government consideration
September 2003	Final government consideration (6 weeks)	To facilitate governments' consideration at IPCC Panel	Governments review	Final views from governments
November 2003	TFI/IPCC Panel	To accept/approve the report		Final report
December 2003	COP9/SBSTA19	To present the report for COP/SBSTA		

APPENDIX J (PART II)

SCOPE WORK FOR TASK 3

Methodologies to Factor Out Direct Human-Induced Changes in Carbon Stocks and Greenhouse Gas Emissions by Sources and Removal by Sinks

Background

The Land use, land-use change and forestry decision (11/CP.7) in the Marrakesh Accords invites the IPCC to develop practicable methodologies to factor out direct human-induced changes in carbon stocks and greenhouse gas emissions by sources and removals by sinks from changes in carbon stocks and greenhouse gas emissions by sources and removals by sinks due to indirect human-induced and natural effects (such as those from carbon dioxide fertilization and nitrogen deposition), and effects due to past practices in forests (pre-reference year), to be submitted to the Conference of the Parties at its tenth session.

The IPCC National Greenhouse Gas Inventories Programme (NGGIP considered the scope of the work and work plan for the task (Task 3 in the NGGIP LULUCF Programme) at the Expert Group Planning Meeting held in Geneva 6-8 August 2001, and at the 6th and 7th Task Force Bureau meetings, the last one held 13-14 December 2001 in Geneva. The progress of the work has been presented to IPCC XVIII and IPCC Bureau XXIII and XXIV.

Provisional timetable

The 7th Session of IPCC Inventories Task Force Bureau developed a step-wise approach to tackle the "factoring out issue" in the invitation to the IPCC in LULUCF Decision in the Marrakesh Accords. The IPCC Bureau XXIV endorsed the approach and the plan to arrange a preparatory expert meeting in July 2002 to assess feasibility to prepare practical methods on the issue. A letter requesting provisional nominations for the expert meeting was sent out in February 2002 prior to IPCC XIX in order to facilitate the organisation of the meeting. The expert meeting would 1) review/assess the state of science, 2) identify gaps; and 3) make recommendations on further work by the IPCC.

A Planning Group (as per decision by IPCC Bureau XXIV) for the LULUCF Task 3 will be established with the following membership;

- ✍ Selected TFB members (Selected from future members), and
- ✍ Working Group I Co-chairs (Future Co-chairs).

Co-chairs of Working Groups II and III as well as the other members of TFB and Working Group I bureau will be kept informed of developments for their eventual future involvement.

Step 1. Task 3 Expert Meeting in Geneva 15 - 16 July 2002

Objectives of the Expert Meeting:

- ✍✍ Assessment of science relevant to changes in carbon stocks and greenhouse gas emissions and removals due to indirect human-induced and natural effects (such as those from carbon dioxide fertilization and nitrogen deposition¹), and effects due to past practices in forests (pre-reference year).
- ✍✍ Identification of categories of activities that cause direct human-induced changes in carbon stocks and greenhouse gas emissions and removals.
- ✍✍ Assessment of capability for the development of practicable methodologies to factor out direct human-induced changes in carbon stocks and greenhouse gas emissions and removals from changes in carbon stocks and greenhouse gas emissions and removals due to indirect human-induced and natural effects (such as those from carbon dioxide fertilization and nitrogen deposition), and effects due to past practices in forests (pre-reference year).

The outcome of the Expert Meeting would include the draft TOR, TOC and Workplan for the task, and a recommendation on the type of report (Special Report or Methodology Report) that would best meet the request in the invitation to IPCC in the Marrakesh Accords, taking the existing scientific knowledge in the issue into account.

Step 2. Approval of draft TOR, TOC and Workplan

- ✍✍ Draft TOR, TOC, Workplan and a recommendation on the type of report, as approved by the Planning Group, will be submitted to the IPCC Bureau (at its December 2002 session) for approval.
- ✍✍ Subsequently, they (as approved by the IPCC Bureau) will be submitted to IPCC XX (Spring 2003) for approval.

Step 3. Identification of authors

- ✍✍ Subsequent to the IPCC Bureau (December 2002) approval, a letter to Governments requesting nomination of experts will be issued.
- ✍✍ Selection of authors will be conducted by the Planning Group, and draft slate of authors will be submitted to the IPCC Bureau (to be held immediately after IPCC XX) for approval. IPCC XX is expected to approve TOR, TOC, Workplan and the type of report.

Step 4. Writing of the Report

- ✍✍ Four (full-scale) authors/experts meetings will be held in 2003 and 2004.
- ✍✍ Report will be submitted to the Panel at its late 2004 session.

¹ This illustrative list taken from the COP decision and will need to be reviewed at the expert meeting.

The provisional timetable is presented in more detail in Table 1.

Table 1. Provisional timetable for “Factoring Out Direct Human-Induced Changes” Report

Date	Activity	Objectives and expected output
15-16 July 2002	Expert Meeting	Draft TOR, TOC, Workplan and a recommendation of the type of report
December 2002	IPCC Bureau	Approval of the TOR, TOC, Workplan and type of report
December 2002	Nomination letter to governments	Governments' recommendations of authors
February 2003	Planning group consideration	Draft Slate of authors
February/March 2003	IPCC Panel	Approval of the TOR, TOC, Workplan and type of report
March 2003	Bureau consideration on Slate of authors	Approval of authors
July 2003	First authors meeting	Zero order draft
September 2003	Second authors meeting	First order draft
December 2003 – January 2004	Expert review	Comments on first order draft
March 2004	Third authors meeting	Second order draft
May - June 2004	Government review	Comments on second order draft
August 2004	Fourth authors meeting	Final draft for government consideration
September 2004	IPCC Panel	Acceptance/approval of the report
October-November 2004	COP10	Presentation of the report for COP/SBSTA

DECISION ON THE IPCC WORK PROGRAMME AND BUDGET

Based on the recommendations of the Financial Task Team, the Panel in a plenary meeting:

1. Recalled the decisions 3, 4 and 9 of the IPCC XVIII Panel on the IPCC Work Programme and Budget and:
 - a. Decided that the IPCC Chair should send a letter to the CBD on completion of the Technical Paper on Climate Change and Biodiversity, requesting a financial contribution to the IPCC for coverage of all translation costs, printing and shipping costs of the Technical Paper,
 - b. Noted the proposals contained in IPCC-XIX/Doc.7, REV. 1 and REV. 2 submitted by the Group on Communication Strategies for IPCC-XIX, and approved a request for extra outreach activities in 2002 of CHF 110,000,
 - c. Noted with appreciation the financial information provided by the WMO including a note on the difference between expenditures and approved budget lines in 2000, as requested by the Panel (see Annex),
 - d. Recalled the request to integrate the budget tables of the IPCC secretariat and those of the TSU of the NGGIP into one document, and requested the Secretariat to complete this task before IPCC-XX, using EXCEL files,

2. Adopted the following revisions in the proposed budget for 2002 contained in document IPCC XIX/Doc. 6 (b), REV. 1 (see Table 1):
 - a. An additional amount of 110,000 CHF for extra outreach activities (taken from item 1b of this report) (proposed 150,000 CHF),
 - b. An increase from 1,006,000 CHF to 1,197,200 CHF for the preparation of the LULUCF Inventories Good Practice Guidance (Task 1) for an extra meeting for Task 1 and the increased participation of DC/EIT lead authors,
 - c. An additional 11,480 CHF enabling two IPCC DC experts to liaise with a second FAO meeting in Rome , September 2002 on normalisation of forest-related definitions, (proposed: 57,400 CHF)
 - d. An additional amount of 126,280 CHF for the TG CIA for two regular meetings in 2002,
 - e. An amount of 126,280 CHF enabling IPCC to make a prompt start possible of the preparation of a SR Geological Carbon Storage Technologies, pending further decisions by the Panel ¹.

3. Adopted the proposed budget for 2003 contained in Document IPCC-XIX/Doc.6 (b) REV. 1, with the following additions (see Table 2):
 - a. A contingency for additional outreach activities of 110,000 CHF, pending further decisions by the Panel,
 - b. An additional amount of 126,280 CHF for the TG CIA for two regular meetings in 2003,
 - c. A contingency of 1,000,000 CHF, as a provision for other products of IPCC than the Fourth Assessment Report such as Technical Papers, Special Reports, including a report on Geological Carbon Storage, pending further decisions by the Panel.

4. Took note of the forecast budget for 2004 and the indicative budget for 2005 in Document IPCC XIX/Doc 6 b) REV 1, and decided to add a contingency of 1,250,000 CHF for each year, as a provision for other products of IPCC than the Fourth Assessment Report such as Technical Papers, Special Reports, activities of the TG CIA and the Group on Communications Strategy, pending further decisions by the Panel.

¹ In the original tables 1 and 2 in document IPCC-XIX/Doc. 6 (b) REV. 1, 300kCHF for printing, shipping and translation costs was projected in case the Panel XIX would decide to produce a Technical Paper in 2002. In case of a Special Report these costs will come in a later year.

5. Welcomed the Discussion note “Options for the IPCC budget management” contained in IPCC XIX/Doc.6 b (1), recalled decisions 8 and 11 of the IPCC XVIII Panel on the IPCC Work programme and Budget, noted the Discussion paper: Options for the IPCC Budget Management, contained in Document IPCC XIX/Doc6 (b) 1, and requested the IPCC Secretariat to prepare, as a matter of priority, in cooperation with the WMO financial experts, a detailed proposal for to IPCC-XX containing:

- a. Definitions of cost categories and sub-cost categories,
- b. A procedure for timely and underpinned planning of the budget proposals from the TSUs, the Task Forces, including standard indicators for estimating costs of meetings, production, translation and outreach of IPCC reports, and other regular IPCC products and activities,
- c. Procedures and financial table formats enabling budget decisions by the Panel for the current year and the next year, including an estimation of the balance by the end of the current year and a projection for the next year,
- d. A proposal for an annual financial report to the IPCC Governments by the end of each year, including the contributions and interest, expenditures in comparison to the approved budget items, and financial balances at beginning and end of the current year,
- e. Recalling Paragraph 11 of the report of the Panel’s 18th Session, prepare drafts of periodic fund raising letters to governments that maybe in a position to respond positively.

6. Expressed its deep gratitude to UNEP, WMO, UNFCCC and governments for their generous contributions to the IPCC Trust Fund, the financial support to the IPCC Secretariat and the TSUs, and numerous in-kind contributions.

Table 1**Revised Budget for 2002 as approved by IPCC XIX**

Activity	Purpose	DC/EIT support	Other expenditure	Sub-Total	TOTAL
IPCC-XIX 3 days Geneva 17-20 (a.m.) Apr 2002	* Elect Chairman and rest of the Bureau * Work programme & budget for 2003 * Other	746,200 130 journeys incl. outgoing Bureau and incoming Bureau	156,000	902,200	
Bureau-25 2 days Geneva 15-16 Apr 2002	Outgoing Bureau: Finalize TP on Climate Change and Biological Diversity	17,220 3 journeys for RE s	104,000	121,220	
Bureau-26 0.5 day Geneva 17 (p.m.) Apr 2002	Incoming Bureau: Various	0 (see IPCC XIX)	52,000	52,000	
Bureau-27 2 days Geneva 7-8 Aug 2002	Various	103,320 18 journeys	104,000	207,320	
Participation in UNFCCC meetings including JWG	Present reports and co-ordinate between IPCC and UNFCCC	57,400 10 journeys		57,400	
Outreach	* IPCC website (core) * Other: Information on TAR findings; Brochure Posters; Kits * Additional tasks as approved by IPCC XIX		45,000 55,000 110,000	210,000	
Support for IPCC Developing Country Co-chairs	IPCC Dev, Co-chairs 3 WG and 1 TFI at 50,000 each		200,000	200,000	
Secretariat				650,000	
SUB-TOTAL				2,400,140	2,400,140

Table 1 Continued:

ACTIVITY	PURPOSE	DC/EIT Support	Other Expenditure	Sub-Total	TOTAL
National GHG Inventories Programme	On-going			1,197,200	
Technical Paper on Climate Change and Biological Diversity	LA/RE Mtgs. Translation & Publication	68,880 12 journeys	6,888 300,000	375,768	
FAO/IPCC Expert Mtg. Rome, 23-25 Jan 2002	Definitions, degradation/ devegetation, Biome-specific	40,180 7 journeys		40,180	
FAO/IPCC Expert Mtg. Rome, Sept.2002, Dates TBD	Definitions, degradation/ devegetation, Biome-specific	11,480 2 journeys		11,480	
TGCIA Grant	Making new GCM results better accessible	\$15,000	24,750	24,750	
TGCIA meetings	2 Annual meetings	114,800 20 journeys	11,480	126,280	
TGCIA 2 Expert Group Meetings		57,400 10 journeys	5,740	63,140	
Workshop on Extreme Events Beijing China 11-13 Jun 2002		229,600 40 journeys	22,960	252,560	
Workshop on Geological Carbon Storage Technologies	Prepare Scoping Paper for SR	114,800 20 journeys	11,480	126,280	
Expert Meeting on Climate Change and Development **)	Prepare proposals for the Panel	114,800 20 journeys	11,480	126,280	
SUB-TOTAL				2,343,918	2,343,918
TOTAL					4,744,058
Less carry over from 2001 (copied from the decision on 2002 budget of the Eighteenth Session)					2,276,796
Request from IPCC Trust Fund					2,467,262

***) As decided by IPCC XIX

Table 2

Budget for 2003 as approved by IPCC XIX

Activity	Purpose	DC/EIT support	Other expenditure	Sub-total	TOTAL
IPCC XX 2 days <i>Place/Date TBD</i>	*Decide 4-R outline *Work programme & budget for 2004 *Other	688,800 120 Incl. Bureau	104,000	792,800	
IPCC XXI 2 days <i>Place/Date TBD</i>	*Agree on Good Practice Report *Other	688,800 120 Incl. Bureau	104,000	792,800	
Bureau-28 2 days <i>Place/Date TBD</i>	Various	103,320 18 journeys	104,000	207,320	
Bureau-29 2 days <i>Place/Date TBD</i>	Various	103,320 18 journeys	104,000	207,320	
Participation in UNFCCC meetings including JWG	Present reports and co-ordinate between IPCC and UNFCCC	57,400 10 journeys		57,400	
Outreach	*IPCC website (core) *Other		45,000 110,000	155,000	
TGCI	2 regular meetings	114,800 20 journeys	11,480	126,280	
Support for IPCC Developing Country Co- chairs	IPCC Dev, Co-chair 3 WG and 1 TFI at 50,000 each		200,000	200,000	
Secretariat				700,000	
SUB-TOTAL				3,288,920	3,288,920
National GHG Inventories Programme Contingency for TP, SR and other IPCC activities, including on Carbon Storage Technologies	On-going Pending Panel decision			1,506,000 1,000,000	
Scoping Meetings	Develop 4-R outline proposals	344,400 60 journeys	34,440	378,840	
Sessions of the Working Groups I, II and III immediately before IPCC XX	Approve scope of the WG contributions to 4-R	1,148,000 200 journeys	156,000	1,304,000	
SUB-TOTAL				4,188,840	4,188,840
TOTAL				7,477,760	7,477,760

Table 3

Forecast Budget for 2004

Activity	Purpose	DC/EIT support	Other expenditure	Sub-total	TOTAL
IPCC XXII 3 days <i>Place/Date TBD</i>	*Accept SR (if any) on Geological Carbon Storage Technologies *Work programme & budget for 2005 *Other	688,800 120 journeys incl. Bureau	156,000	844,800	
IPCC XXIII 2 days <i>Place/Date TBD</i>	*Agree on factoring out direct human- induced changes (LULUCF-related) *Other	688,800 120 journeys incl. Bureau	104,000	792,800	
Bureau-30 2 days <i>Place/Date TBD</i>	Various	103,320 18 journeys	104,000	207,320	
Bureau-31 2 days <i>Place/Date TBD</i>	Various	103,320 18 journeys	104,000	207,320	
Participation in UNFCCC meetings including JWG	Present reports and co-ordinate between IPCC and UNFCCC	57,400 10 journeys		57,400	
Outreach	*IPCC w ebsite (core)		45,000	45,000	
Support for Developing Country Co-chairs	IPCC Chair 3 WG and 1 TFI at 50,000 each	200,000		200,000	
Secretariat				700,000	
SUB-TOTAL				3,104,640	3,104,640
National GHG Inventories Programme	On-going			786,000	
Meetings of Lead Authors & Chapter Meetings	Draft chapters of 4-R	1,435,000 250 journeys	143,500	1,578,500	
Contingency for SRs and other IPCC activities	Pending decisions by the Panel			1,200,000	
SUB-TOTAL				3,564,500	3,564,500
TOTAL					6,669,140

Table 4**Indicative Budget for 2005**

Activity	Purpose	DC/EIT support	Other expenditure	Sub-total	TOTAL
IPCC XXIV 4 days <i>Place/Date TBD</i>	* Agree on revisions to 1996 IPCC Guidelines * Work programme & budget for 2005 * Other	688,800 120 Incl. Bureau	208,000	896,800	
Bureau-31 2 days <i>Place/Date TBD</i>	Various	103,320 18 journeys	104,000	207,320	
Bureau-32 2 days <i>Place/Date TBD</i>	Various	103,320 18 journeys	104,000	207,320	
Participation in UNFCCC meetings including JWG	Present reports and co-ordinate between IPCC and UNFCCC	57,400 10 journeys		57,400	
Outreach	IPCC website (core)		50,000	50,000	
Support for Developing Country Co-chairs	IPCC Dev, Co-chair 3 WG and 1 TFI at 50,000 each	200,000		200,000	
Secretariat				700,000	
SUB-TOTAL				2,368,840	2,368,840
National GHG Inventories Programme	On-going			1,226,000	
Meetings of Lead Authors & Chapter Meetings	Draft chapters	1,435,000 250 journeys	143,500	1,578,500	
Contingency for SRs and other IPCC activities	Pending decisions by the Panel			1,200,000	
SUB-TOTAL				4,004,500	4,004,500
TOTAL					6,373,340

**Intergovernmental Panel on Climate Change (IPCC)
Statement of Expenditure
For the year 2000**

Amounts in Swiss Francs

Category	Expenditure	Budget	"Under/ (Over) Budget
1 Joint Working Grp Mtgs	20,607	45,000	24,393
2 Nat'l GHG Inventories (NGGIP)	140,505	575,000	434,495
3 WG III Sess., 7 days	806,964	1,144,500	337,536
4 Bureau 20, 1/2 days	0	21,000	21,000
5 IPCC XVI, 7 days	1,131,317	1,031,100	-100,217
6 Bureau 21, 2 days	86,409	180,390	93,981
7 WG I Sess., 5 days	865,954	947,100	81,146
8 LAs/Review. WG-I	417,924	708,750	290,826
9 LAs/Review. WG-II	306,479	567,000	260,521
10 LAs/Review. WG-III	394,014	963,900	569,886
11 LAs LULUCF	163,419	283,500	120,081
12 Other expenditures	579,249	36,000	-543,249
13 Expt Mtgs. WG-I	0	113,400	113,400
14 Expt Mtgs. WG-II	0	226,800	226,800
15 Expt Mtgs. WG-III	172,182	231,750	59,568
16 Expt Mtgs. NGGIP	54,724	24,000	-30,724
17 SR-Translation & Publication	60,256	624,000	563,744
18 Support to DC Co-Chairs	0	150,000	150,000
19 Outreach	0	100,000	100,000
20 Secretariat	719,416	620,000	-99,416
Total	5,919,419	8,593,190	2,673,771