

THIRTY-SECOND SESSION OF THE IPCC Busan, 11-14 October 2010

IPCC-XXXII/INF. 5 (1.X.2010) Agenda Item: 5 ENGLISH ONLY

REVIEW OF THE IPCC PROCESSES AND PROCEDURES REPORT BY THE INTER ACADEMY COUNCIL

Compilation of comments received from Governments

(Submitted by the IPCC Secretariat)



Review of the IPCC Processes and Procedures, Report by the InterAcademy Council Compilation of comments received from Governments

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By 1st October 2010 the following submissions were received by Governments. Comments are by alphabetical order of country:

- o Australia
- o Canada
- o China
- o Czech Republic
- o France
- Germany
- o Ireland
- o Japan
- o Malaysia
- Netherlands (The)
- Norway
- o Russian Federation
- o Spain
- o Sweden
- o Switzerland
- o United Republic of Tanzania
- o United States of America
- o Uzbekistan

Australian Government Position Recommendations of the Inter-Academy Council (IAC) Review of the IPCC Processes and Procedures

It is the long held position of the Australian Government that the IPCC performs a very important role in providing periodic assessments on the state of knowledge on climate change. In doing so, it is vital that the IPCC reports continue to be of the highest scientific quality. IPCC reports serve as a fundamental plank for shaping negotiations on international climate change agreements and for the setting of national climate change policies.

Australia gives in-principle support to the IAC Review recommendations. Australia would seek clarification and further discussion on some recommendations.

1. Modernising the management structure

- Clarification is required on the Terms of Reference for the Executive Committee and the role of the Executive Director as distinct from the current Secretariat.
- Methods are required to ensure continuity and corporate knowledge is not lost when Chairs and the proposed Executive are replaced at the end of an assessment cycle.
- A conventional merit based approach for the appointment of an Executive Director may be more appropriate than an election process.

2. Strengthening the review process

• The Principles governing the IPCC work should detail the functions of Review Editors and that the Technical Support Units of each Working Group may be required to provide additional support to Review Editors to undertake these functions.

3. Characterizing and communicating uncertainties

• IPCC Authors should be given formal guidance on the operating practice of attaching confidence to an outcome to ensure consistency across the Assessment Reports.

4. Increasing transparency

• Transparency should be increased across all IPCC processes.

5. Clarifying the use of unpublished and non-peer-reviewed sources

• Grey literature is pivotal to informing key aspects of the Assessment Report, especially around impacts and adaptation where much of the research is undertaken by Governments and not formally peer-reviewed. Australia supports developing a comprehensive guide to evaluating grey literature and equipping Technical Support Units and authors with the ability to apply the guidelines consistently and accurately across the Assessment Reports.

6. Expediting approval of the Summary for Policy Makers

• The current process of line-by-line approval by member governments is essential to developing an SPM that is useful to policy makers and represents a consensus. The ability of Authors to veto proposed changes that are not consistent with the science should be highlighted.



Environnement Canada

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Dear Dr. Christ:

In response to your letters of September 3, 2010 (ref: 7029-10/IPCC/GEN), please find attached Canada's comments on the InterAcademy Council's review of the IPCC.

Yours truly,

Brian T. Gray

Assistant Deputy Minister
Science and Technology Branch

IPCC Focal Point (Canada)

Attachments (1)

 Canada's comments on the InterAcademy Council review of the IPCC (English and French)





Canada's Comments on the Report of the InterAcademy Council

Canada expresses its appreciation to the InterAcademy Council for its review of the IPCC's processes and procedures and to the Secretary General of the United Nations and the Chair of the IPCC for commissioning this independent evaluation. We have reviewed the report in detail and conclude that it proposes focused and constructive recommendations for strengthening the IPCC's rigour, openness and accountability.

Canada endorses the main findings of the InterAcademy Council's report and supports the revision of the IPCC's procedures consistent with the report's recommendations to assure the quality and transparency of IPCC assessments. Canada also acknowledges the importance of effective and efficient oversight and leadership for the preparation of IPCC assessments. We broadly support the report's recommendations to modernize the IPCC's governance system and to institute key mechanisms for responsible management, such as the establishment of a conflict of interest policy for the IPCC.

Canada supports decisive action by the IPCC to implement recommendations of the InterAcademy Council's report. Recognizing that the IPCC's Fifth Assessment is currently underway, we note the importance of swift implementation of recommendations that will enhance the delivery of this assessment. Canada is prepared to contribute effectively to the implementation process. We remain an active and supportive member of the IPCC and will work cooperatively with other governments and organizations to strengthen this valuable institution.

Commentaires du Canada au sujet du rapport de l'InterAcademy Council

Le Canada exprime son appréciation à l'InterAcademy Council pour son examen des processus et procédures du GIEC ainsi qu'au secrétaire général des Nations Unies et au président du GIEC pour avoir autorisé cette évaluation indépendante. Nous avons examiné le rapport en détail et concluons qu'il propose des recommandations ciblées et constructives en vue de renforcer la rigueur, l'ouverture et la responsabilisation du GIEC.

Le Canada endosse les principales conclusions du rapport de l'InterAcademy Council et appuie la révision des procédures du GIEC en lien avec les recommandations du rapport afin d'assurer la qualité et la transparence des évaluations du GIEC. Le Canada reconnaît également l'importance d'une surveillance et d'un leadership efficaces dans le cadre de la préparation des évaluations du GIEC. Nous appuyons largement les recommandations du rapport qui visent à moderniser le système de gouvernance du GIEC et à introduire les mécanismes principaux aux fins d'une gestion responsable, tel l'établissement d'une politique de conflit d'intérêt pour le GIEC.

Le Canada appuie la mesure déterminante du GIEC de mettre en œuvre les recommandations du rapport de l'InterAcademy Council. Reconnaissant que la cinquième évaluation du GIEC est actuellement en cours, nous notons l'importance d'une mise en œuvre rapide des recommandations qui faciliteront la prestation de cette évaluation. Le Canada est prêt à contribuer efficacement au processus de mise en œuvre. Nous demeurons un membre actif et supportant du GIEC et travaillerons de concert avec les autres gouvernements et organisations en vue de renforcer cette précieuse institution.

Comments of the Chinese Government on the IAC Committee's

Review of the Processes and Procedures of the IPCC

29 September 2010

The Chinese Government welcomes the *Climate Change Assessments - Review of the Processes and Procedures of the IPCC* publicized by the InterAcademy Council (IAC) on 30th August 2010, appreciates the in-depth and elaborate review made by the 12-member IAC committee led by Dr Harold T. Shapiro in the past 5 months, and thanks all those who have contributed to the review through different approaches.

The Chinese Government is pleased to avail itself of this opportunity to make comments on the IAC Review Committee's report, and holds that IAC Review Committee's recommendations, with a view to improve the governance, management and procedures of the IPCC, are explicit and constructive, which will help IPCC provide the international community scientific assessments on climate change in a more professional, objective, consentient and transparent manner, under the current situation in which the issue of climate change has received a much wide variety of interests.

The Chinese Government noted that as the IAC Review Committee finds, the IPCC assessment process, as a whole, has been successful. The Chinese Government also holds that this conclusion will help, in a certain extent, clarify misunderstanding and eliminate doubts that already lasted for some time by media and general public on IPCC, its assessment reports and even climate change scientific research. At the same time, the Chinese government believes that IPCC needs to make appropriate adjustments to its assessment process and procedures, for better adapting to the changing external environment.

The Chinese Government noted also that the IAC Review Committee's recommendations have touched upon various aspects of the IPCC operational governance, management and assessment procedures. IPCC needs to clearly indentify (1) which recommendations that pin-point to the specific work links in the IPCC review process can be directly adopted once for all; (2) which recommendations request IPCC to revise and supplement its current procedures; (3) which recommendations request IPCC to adjust its existing instruction, governance and management structure (Terms of References of IPCC Chairs, Bureau, Plenary and Secretariat). In view of the facts mentioned above, the Chinese Government believes that IPCC should consider whether it is necessary to set up

a task team to review and evaluate the possible work for accepting IAC Review Committee's recommendations, and to recommend clear timetable for adopting the specific recommendations to the IPCC plenary for further discussion and decision-making.

The Chinese Government believes that, for the time being, the IAC Review Committee's recommendations on unified presentation of the uncertainties, enhancing the functions of Review Editors, strengthening the transparency of IPCC assessment, standardizing citation of 'gray' literatures, and improving communication strategies directly address the issues emerged in the IPCC Fourth Assessment Report, and they do not involve any major adjustments to the operational modality of the IPCC assessment. Therefore, these recommendations not only have higher acceptability, but also help IPCC improve its embarking work on the Fifth Assessment Report (AR5).

The Chinese Government also believes that the IAC Review Committee's recommendations on establishing an Executive Committee and electing an Executive Director to lead the Secretariat involve major adjustments to the existing IPCC governance and management structure. Adoption of these recommendations will require adjustments to the terms of references of IPCC Chair, Bureau and Secretariat, reform of the current operational procedures on the basis of which the IPCC Plenary makes all major decisions, and definition of the criteria for selecting the members of the new Executive Committee and the Executive Director for the Secretariat. Given the importance of these matters, they should be handled in a very prudent manner, and IPCC may consider to set up a task team to review all such matters together and to submit the proposals on whether to adopt IAC's recommendations to the IPCC plenary for further discussions.

The Chinese Government holds that recommendations from the IAC Review Committee, including those on strengthening the capacity building for developing countries in response to climate change, on enhancing information management and sharing, on reevaluation of the scope and mandate of the Working Groups based on lessons learned from the previous assessment practice and future needs, should be the aspects that deserve more attention of IPCC when considering its future development strategy.

The Chinese Government also noted that in the process of selecting authors for AR5, outlining the scopes of Working Groups contributions and preparing the Special Report on Renewable Energy Sources and Climate Change Mitigation and the Special Report on Managing the Risks of Extreme Events and Disasters to Advance Climate Change Adaptation, IPCC has already made some improvements by standardizing the selection criteria, and increasing its transparency, which are consistent with the same

direction of the IAC Review Committee's recommendations. These improvements should be further enhanced in the follow-on work.

Meanwhile, the Chinese government also holds that it is an important task of IPCC to release AR5 by the end of 2014 with a view to provide the international community with more comprehensive, in-depth and objective science-based information on climate change. Any adjustment to the IPCC assessment process and procedures should facilitate accomplishment of this task, rather than creating negative impacts on the process that has already been agreed upon.

Brief comments of the Delegation of the Czech republic on recommendations of IAC Report

SCOPING

Recommendation: The IPCC should make the process and criteria for selecting participants for scoping meetings more transparent.

The Czech delegation will support such changes to the rules, which will aim for transparency of all processes related to the preparation of assessment reports, scoping process including.

AUTHOR SELECTION

Recommendation: The IPCC should establish a formal set of criteria and processes for selecting Coordinating Lead Authors and Lead Authors.

Czech delegation suggests **strengthening and enhancing of existing rules**, criteria and processes.

Recommendation: The IPCC should make every effort to engage local experts on the author teams of the regional chapters of the Working Group II report, but should also engage experts from countries outside of the region when they can provide an essential contribution to the assessment.

Czech delegation supports this recommendation.

SOURCES OF DATA AND LITERATURE

Recommendation: The IPCC should strengthen and enforce its procedure for the use of unpublished and non-peer-reviewed literature, including providing more specific guidance on how to evaluate such information, adding guidelines on what types of literature are unacceptable, and ensuring that unpublished and non-peer-reviewed literature is appropriately flagged in the report.

The Czech delegation will **not** support modification of the rules of usage of unpublished and non-peer-reviewed literature. We propose that the **non-peer-reviewed inputs** are not allowed in the preparation of assessment reports.

HANDLING THE FULL RANGE OF VIEWS

Recommendation: Lead Authors should explicitly document that a range of scientific viewpoints has been considered, and Coordinating Lead Authors and Review Editors should satisfy themselves that due consideration was given to properly document alternative views.

Czech delegation supports this recommendation of IAC. Moreover, we recommend to change the structure AR5 (if necessary) to fully reflect this recommendation of IAC.

REPORT REVIEW

Recommendation: The IPCC should adopt a more targeted and effective process for responding to reviewer comments. In such a process, Review Editors would prepare a written summary of the most significant issues raised by reviewers shortly after review comments have been received. Authors would be required to provide detailed written responses to the most significant review issues identified by the Review Editors, abbreviated responses to all non-editorial comments, and no written responses to editorial comments.

Czech delegation will support both maximal possible transparency of the review process and all measures that will make the review process more lucid. The whole review process must be as transparent as possible. We recommend that the written summary of the most significant issues (prepared by REs) and non-editorial comments are published on special (publically accessible) IPCC "review" website, including the Authors' responses.

Recommendation: The IPCC should encourage Review Editors to fully exercise their authority to ensure that reviewers' comments are adequately considered by the authors and that genuine controversies are adequately reflected in the report.

Enhancing of the position of RE and focus on their responsibility is considered by the Czech delegation as **one of the key recommendations** of IAC report. Czech delegation will **strongly** support this recommendation.

SUMMARY FOR POLICY MAKERS

Recommendation: The IPCC should revise its process for the approval of the Summary for Policy Makers so that governments provide written comments prior to the Plenary.

The Czech delegation will support the IAC's recommendations towards **greater objectivity of SPM**.

IPCC'S EVALUATION OF EVIDENCE AND TREATMENT OF UNCERTAINTY

Recommendation: All Working Groups should use the qualitative level-ofunderstanding scale in their Summary for Policy Makers and Technical Summary, as suggested in IPCC's uncertainty guidance for the Fourth Assessment Report. This scale may be supplemented by a quantitative probability scale, if appropriate.

Czech delegation does not consider the unification of uncertainty measures among different parts of the AR5 (WGI, WGII and WGII) as necessary.

Recommendation: Chapter Lead Authors should provide a traceable account of how they arrived at their ratings for level of scientific understanding and likelihood that an outcome will occur.

Czech delegation supports this recommendation.

Recommendation: Quantitative probabilities (as in the likelihood scale) should be used to describe the probability of well-defined outcomes only when there is sufficient evidence. Authors should indicate the basis for assigning a probability to an outcome or event (e.g., based on measurement, expert judgment, and/or model runs).

The Czech delegation will support such a change in the rules, which fully reflects the recommendation of the IAC. Quantitative information must always be supported and justified.

Recommendation: The confidence scale should not be used to assign subjective probabilities to ill-defined outcomes.

Czech delegation supports this recommendation.

Recommendation: The likelihood scale should be stated in terms of probabilities (numbers) in addition to words to improve understanding of uncertainty.

Czech delegation supports this recommendation.

Recommendation: Where practical, formal expert elicitation procedures should be used to obtain subjective probabilities for key results.

Czech delegation supports this recommendation.

IPCC MANAGEMENT STRUCTURE

Recommendation: The IPCC should establish an Executive Committee to act on its behalf between Plenary sessions. The membership of the Committee should include the IPCC Chair, the Working Group Co-chairs, the senior member of the Secretariat, and 3 independent members, including some from outside of the climate community. Members would be elected by the Plenary and serve until their successors are in place.

Czech delegation considers further expansion of the organizational structure of the IPCC as unsuitable. We will support the adjustment of responsibilities of the existing structures of the IPCC in accordance with the recommendations of the IAC. The rules for nomination and selection of experts outside of the climate community must be clearly defined.

Recommendation: The term of the IPCC Chair should be limited to the timeframe of one assessment.

Czech delegation agrees with limited term of the IPCC Chair (one assessment cycle).

Recommendation: The IPCC should develop and adopt formal qualifications and formally articulate the roles and responsibilities for all Bureau members, including the IPCC Chair, to ensure that they have both the highest scholarly qualifications and proven leadership skills.

The position of the Czech delegation is that **IPCC should strengthen the existing** policies regarding these issues.

Recommendation: The terms of the Working Group Co-chairs should be limited to the timeframe of one assessment.

Czech delegation agrees with limited term of the Working Group Co-chairs (one assessment cycle).

THE SECRETARIAT

Recommendation: The IPCC should redefine the responsibilities of key Secretariat positions both to improve efficiency and to allow for any future senior appointments.

Czech delegation expresses unequivocal consent to the **revision of existing ToRs** and their **redefinition in accordance with the recommendations of the IAC**.

Recommendation: The IPCC should elect an Executive Director to lead the Secretariat and handle day-to-day operations of the organization. The term of this senior scientist should be limited to the timeframe of one assessment.

Czech delegation supports this recommendation.

CONFLICT OF INTEREST AND DISCLOSURE

Recommendation: The IPCC should develop and adopt a rigorous conflict of interest policy that applies to all individuals directly involved in the preparation of IPCC reports, including senior IPCC leadership (IPCC Chair and Vice Chairs), authors with responsibilities for report content (i.e., Working Group Co-chairs, Coordinating Lead Authors, and Lead Authors), Review Editors, and technical staff directly involved in report preparation (e.g., staff of Technical Support Units and the IPCC Secretariat).

Czech delegation **strongly** supports this recommendation.

COMMUNICATIONS

Recommendation: The IPCC should complete and implement a communications strategy that emphasizes transparency, rapid and thoughtful responses, and relevance to stakeholders, and which includes guidelines about who can speak on behalf of IPCC and how to represent the organization appropriately.

Czech delegation considers communication failures as one of major problems of IPCC in the last period. IPCC did not response adequately and promptly to the detection of problems related to the AR4. We will support the **rapid definition of a clear communication strategy.**

Radim Tolasz Head of the Czech republic delegation to 32nd IPCC Plenary Session

Ladislav Metelka Czech republic IPCC FP

IPCC-32

« Comments on IAC review »

Submission by France 30/09/2010

Note: The results of the IAC-review were published recently. Thus, our comments should be considered as preliminary. Exchange of views within the Panel is needed during IPCC-32 and beyond to agree on reforms and their implementation. Due to the short time before the meeting, the comments are provided directly in english.

1. Introductory remarks

General comments

The IPCC has been delivering since 1988 the highly valuable scientific assessments that France expected from this unique international scientific body, and that are needed by the United Nations.

France is grateful to all scientists who have contributed or are presently contributing to IPCC, grateful to the technical and administrative teams serving the Panel, and to their former and present leaders. France expresses to them its unfailing support.

A new international and societal context made the IAC review necessary.

France recognizes the high value of the work performed by the InterAcademy Council, and globally approves the resulting recommendations.

IPCC should take necessary steps for the effective and timely implementation of reforms on which the Panel will agree.

Our principles in considering the reforms

Science is the priority of IPCC, aiming at providing policy-relevant - and never policy-prescriptive - information to the policymakers. Other functions within IPCC, including communication, serve the science.

IPCC might be again, in the future, subject to attacks as was experienced particularly in 2009-2010. No reform of IPCC would avoid such situation to happen, nor could give to IPCC an armour against all kinds of attack or criticism.

Reforms are useful, necessary, but will never lift this institution and its products to a level of perfection above other institutions sharing some characteristics with IPCC – in terms of complexity of the mission and products.

The general mission and justification of IPCC have to be kept in due consideration at any time. The rules, means, resources imposed or attributed to IPCC have to be balanced and adapted with consideration of these mission and duties: not in excess, but enough for it to remain excellent.

The support of governments to IPCC and its progress should be coherent with the services required from IPCC.

2. Comments on some major recommendations

Modernizing the management structure

We recognize that terms of reference for all actors and functions could increase robustness, accountability and transparency.

Secretariat

Scientific information from IPCC is delivered mainly through the reports. Communication on science should remain under the responsibility of the scientists: authors, chairs and vice-chairs of IPCC and of its WGs.

The Secretariat should remain dedicated to organizational and administrative tasks.

The workload of the Secretariat has much increased. Some external support or consultancy might be a help to prepare and provide the necessary adaptations.

Executive Committee

Formalising the E-team may be beneficial as an interim step.

The idea to create an Executive Committee is approved, as the formal executive team of IPCC. The inclusion of external members requires further consideration.

Executive Director

We would expect from an Executive Director to concentrate on organizational and management duties, and not to manage the scientific work of IPCC.

Thus, the function of Executive Director as we see it, would not be different from the present function of the Secretary-General; only one of these two posts and titles seems to be needed.

Limitation of terms to one assessment-cycle

The recommendation that, after AR5, the terms of the chair and co-chairs of the IPCC and its WGs should be limited to one assessment-cycle is to be studied. There is no urgent decision to take on this recommendation.

Strengthening the review process

Existing rules should be fully applied. Review Editors have to fully exercise their authority to ensure that reviewers' comments are adequately considered.

The procedure suggested by IAC is considered very favourably, and should be studied in detail.

The procedure for dealing with errors after publication can be considered as an aspect of this issue.

Characterizing and communicating uncertainties

Progress has to be made along the directions proposed by the IAC review.

Due to the large scope and multi-disciplinarity of the IPCC reports, the treatment of uncertainties and communication about it, will remain a subject for research and studies, and progressive improvements.

Communication strategy

An organization for the reaction to critical situations including a procedure for the correction of errors found in published material would be very valuable.

Increasing transparency

Statements of interest are necessary.

The reports have to be checked, not the persons.

Summary for Policy Makers

Issues should, as much as possible, be raised in advance of the Plenary; this does not exclude further exchanges and debate during the Plenary.

The recommendation to adopt the report one section at a time is approved.

3. Implementation of the recommendations

A task force could be set-up by IPCC-32 in order to study in details: the possible ways to implement the recommendations, and the budgetary and human resources implications. IPCC-32 could define the first-priority issues which would constitute the – not too broad – mandate of this task-force.

The next Plenary Session – IPCC-33 - could decide on : approved recommendations, calendar of implementation, provision of the corresponding resources. This next Plenary should take place within 6 to 8 months after IPCC-32.

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The IAC review of the IPCC procedures and processes

Submission by the German Government

General Remarks on the IAC review and IPCC's development processes

We are grateful to the excellent scientists for their continuous engagement for the IPCC. It is thanks to their work that the IPCC-assessment reports remain the most reliable scientific basis for climate policy.

We therefore highly appreciate the valuable recommendations of the IAC-review on improving the IPCC-processes and procedures. We strongly support reforms in order to restore IPCC's credibility. The implementation of improvements should be as comprehensive and rapid as possible. For some of the IAC's recommendations a considered structural process and an inventory of financial implications are needed.

Procedural planning for dealing with the IAC-review

- We propose an in-session presentation on the outcomes of the IAC-review by a member of the IAC panel, to be translated into the 6 UN languages. This would provide the basis for well-informed discussions.
- Decisions that will improve the quality of AR5 should be agreed on and implemented as soon as possible.
- Discussions about individuals and their roles or about budget effects of recommendations in Busan are not instrumental to advance the reform process.
- The IAC review is very comprehensive. In order to allow for a focussed discussion at this meeting we propose a general debate about major topics followed by a decision on procedures to take decisions on implementations of recommendations where ever possible, and to allow for in depth discussions of details where needed.
- We suggest a two step process: first to agree upon short term measures that are relatively easy to implement already in Busan, and second a process to develop in detail long term measures requiring further considerations.
- A Reform Task Group (RTG) should be established to take forward the recommendations on long term issues following Busan. The terms of reference and scope for this task force should be agreed upon in Busan.
- We suggest the following procedure in Busan:
 - The IAC-review should be highest on the agenda for discussion at the first meeting day.
 - After countries have expressed their views in the plenary, further considerations should be deferred to a Contact Group (CG) co-chaired by two IPCC member states (IC-DC). This procedure would allow a focussed discussion on the very detailed recommendations and their potential practical and financial implications.
 - The CG should draft decisions for short term measures to be agreed upon in Busan by the plenary.
 - The CG should also draft a decision to establish a Reform Task Group (RTG) together with a clear mandate and Terms of Reference. The RTG task should be to suggest concrete reforms based on the IAC review and a roadmap for the implementation process to the next IPCC plenary meetings. The group shall be open to all parties and its mandate should be limited to one year with the possibility of extension if the reform process is still ongoing.

• An IPCC plenary in 2011 is suggested to further work on the reform process, possibly back to back with the SRREN-approval WGIII plenary session in 2011. (A second plenary is already budgeted for 2011 in Table 6 of IPCC-XXXII/Doc. 3.

Comments on the recommendations of IAC

1 Modernizing the management structure

- We agree with the observation by the IAC-panel that an improvement of the IPCC management structure is needed, in order to become more operational. However, implementation of some specific IAC-recommendations has significant implications (including financial ones) and must to be considered carefully by the RTG suggested above.
- Short-term measures that should be agreed upon in Busan should include Terms of references determining roles, tasks, and responsibilities for all actors and functions in order to increase the robustness, accountability, and transparency of the IPCC-process.
- The roles, tasks, responsibilities, and compositions of the recommended management bodies should be worked out and clearly defined by the RTG.
- Specific remarks on the suggested management structure:
 - We support the IAC's recommendation to establish an Executive Committee (EC) in order to implement a more operational management structure. A short-term measure should be the formalisation of the existing Executive-Team (including ToR) until a definite structure will be established.
 - We agree that an Executive Director (ED) with a full-time position would assure the day-to-day management. A careful consideration of the role of the ED in relation to those of the IPCC-chair, co- and vice chairs, and of the head of the IPCC secretariat is needed.
 - An independent evaluation of the secretariat should be considered to determine the skills currently available versus those needed in the future in order to cope with the various upcoming tasks and responsibilities.
 - The responsibility for the coordination and management of the Synthesis Report should be clarified.
 - Limitation of terms to one assessment cycle would help ensuring the provision of "fresh ideas". However, it seems important to also guarantee continuity in terms of institutional memory from one assessment cycle to the next. Knowledge transfer shall be assured through a staged process not changing the whole IPCC-team (including TSUs) at the same time, or by allowing some terms to cover two cycles.

2 Establishment of reports - including handling the full range of views

- The recommendations of IAC are generally supported.
- The existing rules should be followed more closely. The reasoning behind expert judgments should be explicitly stated in the reports.
- The procedures for the selection process of Coordinating Lead Authors, Lead Authors, and Review Editors should be extended and more detailed selection criteria should be defined.
- A range of scientific views including related uncertainties and gaps in knowledge should be explored in the reports in a more explicit fashion. Different options must be analysed in a transparent and systematic manner based on the IPCC-scenario process. The increased

consideration of the full range of scenarios in AR5 allows for the analysis of all potential future developments and the assessment of response measures.

- Opportunities and risks must be explored including the consequences of the no action.

3 Strengthening the review process and dealing with possible errors

- Reviewer Editors should help to improve the process. The procedure suggested by IAC, its organisation and financial implications should be further evaluated by the RTG.
- All authors and Review Editors must be well aware of the existing rules.; Some quality checking mechanisms should be improved, and the implementation of enforcement and compliance procedures should be explored.
- The workload on the authors should be reduced, for example through separation of purely editorial comments from those addressing the content, and through flagging the most significant comments. This should be done by the Review Editors supported by the TSUs.
- A procedure for the correction of any errors found in published reports has to be established.
- Comments and responses could be anonymized and published shortly after Lead Author meetings.

4 Characterizing and communicating uncertainties

- We agree with the IAC's analysis that a common nomenclature for uncertainty assessments and its consistent usage across Working Groups needed.
- The outcome of the recent IPCC small expert meeting on uncertainties should be made available to the parties timely before IPCC-32, or at least the recommendations that will be available to the meeting's participants, according to the expert meeting report (IPCC-XXXII/Doc. 15) submitted for the Busan plenary. The outcome of the IPCC-meeting should be considered alongside with the IAC's recommendations.

5 Developing an effective communications strategy

- We agree with the IAC-recommendation that both internal and external communication on the IPCC procedures as well as on the assessment reports should be improved.
- The communication strategy expected to be submitted by the IPCC-secretariat for IPCC-32 should be considered alongside with the IAC-review.

6 Increasing transparency

- We strongly support measures to increase the transparency of the IPCC-process. Most of them can be decided in Busan.
- As a short term measure we suggest to establish terms of reference for all IPCC-actors and functions (including the formalisation of the Executive-team).
- Transparency regarding potential conflicts of interest should be prevented by providing CVs, affiliations, etc for IPCC leading persons (Co/Vice/WG-chairs) on the public web site.
- Nomination procedures should be performed and lists of attendants should be provided for all scientific IPCC-meetings. The common praxis that expert nominations by governments happen only for Expert Workshop but not for Expert Meetings should be abolished. Scientific excellence with relevance to the meeting shall remain the only criterion for the selection of meeting participants.
- The author selection and the reviewing process of reports should become more transparent.

7 Clarifying the use of unpublished and non-peer-reviewed sources

- We agree with the recommendations of the IAC-panel.
- The existing rules should be applied more carefully.
- We emphasise that, in order to assure full coverage of available knowledge, including local and regional source, so called "grey literature", also in other languages than English, cannot be ignored. However, the nature of the source must be clearly flagged in IPCC-reports.
- A system to secure the quality of grey literature and a classification of the sources used should be developed by the RTG.

8 Summary for Policy Makers (SPM) and Synthesis Report (SYR)

- We support the finding of the IAC-panel that the process in approval sessions needs to be streamlined in such a way that all views are discussed while also guaranteeing a regular timing and conclusion of meeting sessions.
- However, we do not support the IAC's recommendation that no discussions on subjects other than those addressed in submissions should be allowed during approval sessions. This recommendation does not allow for sufficient flexibility to react to other parties' suggestions in plenary. Further consideration by the RTG on how to streamline the approval sessions is needed.
- IPCC should develop a strategy improving the existing rules to guarantee that scientific content from the underlying WG-reports cannot be filtered for the SPMs by policy makers.

9 Access to Information

- We agree that the access to information (i.e. scientific literature and data as well as IPCC processes and activities) should be improved. This concerns a wide range of groups, including IPCC members and observers, scientific experts, and the public. Decisions on most measures and their implementation should be taken in Busan.
- The public IPCC web site with information on IPCC processes and procedures, and activities should be improved. This concerns for example the calendar of meetings or the access to specific documents, or links within the website.
- All documents should be available timely, e. g. before plenary sessions. Meeting reports should be issued timely (e.g. 6 weeks) after the meetings.
- An intranet platform for exchange of information between member states could be provided by the secretariat.
- The IPCC-newsletter should be published on a regular basis (e.g. every three months).

10 Participation of Developing Countries and the Private Sector

- The ongoing efforts of the IPCC to increase the participation of the developing countries in IPCC-activities should be continued.
- The involvement of authors working from private sector and NGOs in a transparent manner should be encouraged.

11 Working Group Structure and Phasing of Reports

- This issue is very important, but needs further consideration and should be treated by the RTG.

Ireland

Submission on IAC report on IPCC

Introduction

The report from the InterAcademy Council (IAC) on the work of the Intergovernmental Panel on Climate Change (IPCC) is welcome. It provides useful insights on the working of the IPCC and makes recommendations for its future development. The report shows the unique work and contribution of the IPCC which continues to be of fundamental value in informing the development of international policy on climate change.

The IAC reports shows that the work of the IPCC is largely carried out in a voluntary baisis and involves very little admistrative and structural overheads. This approach has served the international community well and provided the basis for the success of the IPCC, though it has to an extent also been a weakness, as evident in the recent media scrutiny of certain errors that were found in the main body of the 4th Assessment Report (AR4).

The IAC report recommends that after 20-years in the evolution of international climate policy, new structures, processes and approaches are needed to deal with today's challenges. It provides recommendations for this. The IAC report includes a number of other issues which are of note in the overall context of the work of the IPCC.

General Points

One of the key features of the IPCC is its utilisation of material that is published in peer-review publications. This is seen as providing a significant level of quality control. Grey literature from reliable sources, such as national and international bodies (e.g. UN) is also used. The IAC highlights that the ratio of peer-review to grey ligature varies accoss the working groups. Analysis of the Third Assessment Report found that peer-reviewed journal articles comprised 84 percent of references in Working Group I, but only 59 percent of references in Working Group II and 36 percent of references in Working Group III. This to an extent is understandable, however, it is worthwhile for the relevant academic communities to assess if there are methods to increase the levels of peer review material in certain disciplines that could be used in future reports.

In relation to the use of synthesis reports there was a differentiation between academia and views provided by Governments. This is considered to reflect the different uses and demand of the communities involved. The main focus of the IPCC has to be informing government in a clear and concise form which is consistent with the underlying scientific material in the full report.

Response to IAC Recommendations

In relation to the main recommendations, there is a need for priority consideration of these by the Panel at its meeting in Busan and probably also in a subsequent process. This process should take place as quickly as possible given the nature and demands of intergovernmental working procedures. However, this process should not detract from the progress of the AR5 writing process and should be as open as possible.

Implementation of recommendations that may be adopted by the Panel also needs to progress rapidly but it may not be possible or prudent to implement all of these until after the AR5 process has been completed. However, a number of these can and should be in place in the near future so that they can contribute to AR5 report production and presentation process. These are considered to include steps

- 1. To reduce the possibility of errors due to oversights in the writing and review process
- 2. To correct any errors that might be identified following publication of reports
- 3. To enhance management and communication to the media
- 4. To improve communication of levels of uncertainties

These are considered to be priorities which can be addressed in a relatively short period of time by taking the main recommendations for these areas on board. Other issues such as the limiting the terms for the Chair and working group Co-chairs need to be considered in the context of overall management changes, that may be agreed, as well as the need to maintain a balance of fresh thinking and corporate memory within the IPCC processes. Getting this balance correct for an organisation such as the IPCC will require careful consideration by the Panel.

Conclusion

The IAC committee is to be commended for its production of an informative and useful document which needs to be urgently and carefully considered by the IPCC in its endeavours to improve its work on ongoing contribution to international actions on climate change.

Owen Ryan Temporary Focal Point 29 September, 2010

JAPAN

Comments on the direction of assessment and improvement of the IPCC

- As the IAC mentioned in its report that its "Committee found that the IPCC assessment process has been successful overall", the contribution of the IPCC to climate policies and scientific understanding that support them so far is unchallenged, and the government of Japan continues to support the activity of the IPCC into the future.
- O So far, in the operational activity of the IPCC, scientists have been playing major roles through the support of the Bureau and Working Groups, and to ensure the scientific and political neutrality required of the IPCC, it is important to sustain its structure in which the scientists are main actors supported by governments.
- Meanwhile, under the constraints of current operational structure and human and other resources, we recognize it is unavoidable that excessive burden is concentrating towards certain part of the scientist who are involved in the work of the IPCC.
- Based on this recognition, we propose to begin to take action for the improvement on the processes and procedures recommended by the IAC, with dispersing/distributing an unavoidable workload and concentrating resources to the tasks of high priority in mind.

Comments on the IPCC action in response to the review by the IAC

- As the independent review by the IAC presented valuable suggestions to consider the improvement in the process and procedures of the IPCC, the IPCC should make the best use of them, and should conceive the necessary improvements to implement as early as possible. The IPCC should agree on the improvements and implement them gradually. In this implementation, we should divide the recommendations of the IAC review between those which can be introduced during the process of AR5 preparation and those which can be introduced after the release of AR5.
- The IPCC Secretariat should prepare a progress schedule for the improvements before the next plenary session in Busan, and it should be discussed with representatives at the session. The schedule should be prepared with distinction among the recommendations of the review, the tasks which require the consideration of early implementation and those which require the consideration of mid-term implementation.

- For the tasks which require the consideration of early implementation, taking into account the schedule for preparing AR5, we should consider arriving at a conclusion at a IPCC plenary session(in Abu Dhabi or its succeeding session).
- For the tasks which require the consideration of mid-term implementation, we should consider arriving at a conclusion at a IPCC plenary session that is held at a appropriate time which allow the immediate implementation of the tasks after the release of AR5.

Comments on the recommendations of the review

In the consideration of the improvement, in addition to the distinction between the early implementation (during the preparation of AR5) and the mid-term implementation (after the release of AR5), the following view points are very important and should be taken into account.

- i. preventing an organization bloat
- ii. reinforcing of good relationship between governments and prominent scientists of the world
- iii. ensuring transparency and efficiency of the processes and procedures

Taking into account the schedule for the preparation of AR5, the tasks which require the early implementation and the tasks which require mid-term implementation would be classified as follow, and would be appropriate to be determined, based on a draft by the IPCC Secretariat and comments of member governments.

- 1. Tasks which require early implementation: Redefinition of the responsibilities of key Secretariat positions; Establishment of conflict of interests; Reinforcement of review process; characterization of uncertainty; development of comprehensive communication strategy; clarification about the roles and responsibilities of Bureau members; Documentation of the range of considered scientific view and related responsibilities of Coordinating Lead Authors and Review Editors; the use of non peer-reviewed gray literature; Engagement of the best experts on regional issues; Revision for the process of the approval of the Summary for Policy Makers; Reduction of the burden on science communities.
- 2. Tasks which require mid-term implementation: set up of the Executive Committee; set up of Executive Director; Terms of the Chair; Terms of WG

Co-Chairs; criteria for selecting participants for scoping meetings; Qualifications for Bureau members; criteria and processes for selecting Coordinating Lead Authors and Lead Authors; Maintaining flexibility

- The prevention of organization bloat should be fully taken into account and realized, at least when consider the set up of the Executive Committee, the Executive Director and TSU for SYR. For the idea of setting up Executive Committee as decision—making body, other options such as clarification of the responsibility and authority of existing Bureau structure should be considered as well, and for the setup of Executive director too, the clarification of the responsibility and authority of existing senior member of Secretariat should be considered as an option.
- Since the good partnership between over thousand prominent scientists of the world and governments is an advantage of the IPCC, the structure of the IPCC should continue to be based on the good partnership between the scientists and the governments. And from the same view point, the interview or gathering productive comments from the LA and RE who are engaged in the preparation of AR5 should be held immediately about the recommendations that are related to the following issues; the review process, the characterization of uncertainty, the use of non peer-reviewed gray literature, the participation of expert on regional issues, and other issues on the improvement of the integrity of Assessment report
- We indicate the following points for ensuring transparency and efficiency
 - From the point of view of modernizing of management structure and ensuring transparency, the clarification of conflict of interest policy, terms of Chairs and others, and responsibilities and roles of Bureau members are especially useful for the improvement of the processes and procedures of the IPCC.
 - Making the processes for editing and reviewing assessments more efficient and transparent will remain as important issues into the future. On the other hand, it is likely to be difficult to introduce and implement the recommendations early if the current structure of Authors and Review Editors is not changed, because of the excessive workload on them. So we should at first consider focusing on the important tasks such as the preparation of SPM and TS of assessment reports, as targets for implementing the recommendations of the IAC. And the improvement for the

- rest of the report should be continued to be considered as a long term issues that needs efficient measures.
- We support the recommendation of the IAC that suggests that governments should provide written comments for the approval of final SPM draft prior to the Plenary, to make the approval process and face to face discussions at the Plenary more efficient.
- Given the growing interest in its assessment reports, it is very important to ensure accuracy of messages from the spokesman, in order not to hurt the public credibility of the IPCC and the climate science, and to enhance accountability of the IPCC and to build up correct understanding of the report. In this regard, we support the IAC recommendation that the IPCC should develop a comprehensive communication strategy.

MALAYSIA'S COMMENTS ON THE INTER ACADEMY COUNCIL (IAC) REPORT ON CLIMATE CHANGE ASSESSMENTS - REVIEW OF THE PROCESSES AND PROCEDURES OF THE IPCC IPCC-XXXII/Doc.7

Malaysia welcomes the opportunity to submit its comments on the report of the Inter Academy Council on the IPCC review, following the invitation of the Secretary of the IPCC in her letter to the Governments dated 3 September 2010.

General comments

- The Inter Academy Council (IAC)'s review has given an opportunity for the IPCC to improve its function in order to make it more scientifically robust to its reports.
- The report of the IAC contains recommendations in its Executive Summary and also in the chapters. Many of the recommendations contain elements that are not new as they were already implemented by the IPCC in the course of its previous works. However the recommendations could ensure the quality of the IPCC functions and works.
- We should be more focus to deal with issues such as participation of developing countries, in the processes and procedures according to the mandate of the Working Groups and others that the report has not considered extensively.

Recommendations in the Executive Summary

- 1. The IPCC should establish an Executive Committee to act on its behalf between Plenary sessions. The membership of the Committee should include the IPCC Chair, the Working Group Co-chairs, the senior member of the Secretariat, and 3 independent members, including some from outside of the climate community. Members would be elected by the Plenary and serve until their successors are in place.
 - We support the establishment of a body to enhance consistent actions of the IPCC in between Plenary meetings since this is very useful.

- However, in terms of practicality it may also be an issue, such as how often would this executive committee need to meet and how effective the committee will function as its members are not working in the same place.
- 2. The IPCC should elect an Executive Director to lead the Secretariat and handle day-to-day operations of the organization. The term of this senior scientist should be limited to the timeframe of one assessment.
 - We support the suggestion for the election of an Executive Director to lead the Secretariat. The election, however, should be carried out by the Plenary.
 - We also support the suggestion to limit the term of the appointment of the Executive Director to one assessment. However, it would be important that continuity is ensured in particular in phases between assessment reports.
- 3. The IPCC should encourage Review Editors to fully exercise their authority to ensure that reviewers' comments are adequately considered by the authors and that genuine controversies are adequately reflected in the report.
 - We suggest that clear and transparent rules on how to proceed with this process must be set up.
 - We support the suggestion that reviewers' comments are adequately considered by the authors and that genuine controversies are adequately reflected in the report, to ensure effective Review Editors' works.
- 4. The IPCC should adopt a more targeted and effective process for responding to reviewer comments. In such a process, Review Editors would prepare a written summary of the most significant issues raised by reviewers shortly after review comments have been received. Authors would be required to provide detailed written responses to the most significant review issues identified by the Review Editors, abbreviated responses to all non-editorial comments, and no written responses to editorial comments.
 - This suggestion of a new procedure could be an improvement to the current process since it will provide more

- systematic work-flow involving all Review Editors and authors. However, without proper coordination it will make the task of the Review Editors becoming too heavy.
- We support making these written responses steps available to the whole community of persons involved in he preparation of the IPCC Assessment Report. It would be useful to make it available to the public.
- We suggest to better define the role of the Review Editors (REs) to make a smoother and more effective work-flow.
- 5. All Working Groups should use the qualitative level-ofunderstanding scale in their Summary for Policy Makers and Technical Summary, as suggested in IPCC's uncertainty guidance for the Fourth Assessment Report. This scale may be supplemented by a quantitative probability scale, if appropriate.
 - We support this since qualifying qualitatively/quantitatively the findings of the IPCC is a very critical issue. It provides the qualification of the findings of its assessments and therefore the usefulness of the IPCC work.
 - Expert judgment plays a central role in all the activities to draw conclusions of the IPCC result from many complex scientific activities that include observations, data analysis, modeling, data and model validations, and finally drawing conclusions.
 - This qualifying qualitatively/quantitatively is very crucial since the degree of scientific "certainty" or "truth" is difficult to establish and often very difficult to communicate and explain. We need to improve the existing uncertainty guidance of the IPCC, to take into account all aspects for all the findings in all the Working Groups of the IPCC.
 - It is very important that all quantitative qualifications have to be used according to strong criteria that have to be the same for all Working Groups.
- 6. The IPCC should complete and implement a communications strategy that emphasizes transparency, rapid and thoughtful responses, and relevance to stakeholders, and which includes

guidelines about who can speak on behalf of IPCC and how to represent the organization appropriately.

- We agree that having an effective communication strategy is very important. IPCC need to improve its responses and communication efficiency, particularly to improve processes in picking up and responding timely to criticism.
- The IPCC needs a communication strategy that fully recognizes its true mandate, notably the fundamental role of providing policy relevant information based on current scientific understanding of climate change but not being policy prescriptive. This means it should not express views on the political matters. It may, nevertheless, indicate which scientific elements from its work are relevant to address these issues to maintain policy relevant. The IPCC should limit to indicate which scientific elements from its work are relevant to address issues and questions. The real strength of the IPCC is that its expertise is coming from many scientists working in the working groups.

Chapter 2 Evaluation of IPCC's Assessment Processes

- 7. The IPCC should make every effort to engage local experts on the author teams of the regional chapters of the Working Group II report, but should also engage experts from countries outside of the region when they can provide an essential contribution to the assessment.
 - We fully support the recommendation.
 - In case that authors from developing countries are having obstacles to their work, such as insufficient access to the literature, then measures should be taken to ensure sufficient support is made available to these authors or some support is even provided by IPCC itself.
- 8. The IPCC should strengthen and enforce its procedure for the use of unpublished and non-peer-reviewed literature, including providing more specific guidance on how to evaluate such information, adding guidelines on what types of literature are unacceptable, and ensuring that unpublished

and non-peer-reviewed literature is appropriately flagged in the report.

- We support the use of a written guidance on procedures for the choice and use of such literature that is made available to authors and that further efforts are made to enforce their adoption. Since the current rules basically do not allow using unpublished works, then it seems they violate the principle of transparency.
- The IPCC should ensure the inclusion of non-peer reviewed literature is based on careful considerations and well justified. The scientific and informative nature of such literature should remain the main criterion for selecting literatures.

Chapter 4 Governance and Management

- 9. The term of the IPCC Chair should be limited to the timeframe of one assessment.
 - We support the recommendation.
 - The IPCC must ensure that geographical and gender balance is achieved in the course of all assessment cycles.
- 10. The IPCC should develop and adopt formal qualifications and formally articulate the roles and responsibilities for all Bureau members, including the IPCC Chair, to ensure that they have both the highest scholarly qualifications and proven leadership skills.
 - We fully support the recommendation.
- 11. The terms of the Working Group Co-chairs should be limited to the timeframe of one assessment.
 - We support the recommendation, but IPCC should have arrangements so that the Chair is in office and fully operational till new Working Groups are established.

32nd Plenary of the Intergovernmental Panel on Climate Change

Submission by The Netherlands on agenda item 5: Review of the IPCC Processes and Procedures: Report by the Inter Academy Council

The Netherlands welcomes the opportunity to submit its views on the Review of the IPCC Processes and Procedures, which is being addressed under item 5 of the draft agenda of IPCC-32.

Recommendations of the IAC

The Netherlands believes that the Fourth Assessment Report contains a wealth of policy relevant knowledge in a format that is both understandable and accessible for policy makers. The IPCC-reports played an essential role in staging climate change at the top of the international political agenda. There is, however, substantial room for improvement, as is demonstrated by the review of the IPCC processes and procedures by the IAC. The Netherlands embraces the recommendations of the report that:

- · Governance needs to be strengthened and management modernized.
- The review process needs to strictly follow the existing rules as to avoid errors and deal with a growing volume of comments.
- One evidence-based system for characterizing uncertainty should be common to all three working groups' reports and uncertainty should be better explained to the users of the reports.
- The IPCC needs to respond quickly and adequately to alleged errors or misconduct.
- IPCC spokespersons should refrain from policy prescriptive statements, policy recommendations and commenting from a personal capacity in the media, as these views will be associated by the public with the IPCC views.
- Selection and interests of IPCC authors and bureau members, to the handling of review comments, grey literature and the underpinning of the statements in the reports all need to be made more transparent.

If the members would not implement these suggestions promptly, the IPCC runs the risk of becoming marginalized and its role as the provider of authoritative climate knowledge would be undermined. Some flexibility in taking up these recommendations could be opportune of course. We provide the following specific suggestions, many of which have been suggested before, such as in our submission on the future of the IPCC in 2007.

Process during the Busan meeting and beyond

The Netherlands believes that the organization of the work at the Busan meeting needs to allow for the full and timely consideration of the IAC report and be scheduled in a way that ensures a meaningful and in-depth debate. For a successful consideration of the recommendations of the IAC at the Busan meeting, several conditions should be met. The agenda item needs to be addressed at the very beginning of the session. We strongly suggest that the report be presented by a member of the IAC Committee as part of the session with simultaneous full UN-languages translation. Following this, the IPCC members could provide brief initial responses to the report. We furthermore suggest that a contact group be installed with two co-chairs from Panel members' delegations that would commence its work as soon as possible. Any perceived conflict of interest of these chairs should avoided. The contact group should preferably meet in the main

conference room, with simultaneous translation. This contact group should prepare decisions that could already be agreed at IPCC-32, and in addition develop a mandate for an inter-sessional "reform task group" with open-ended participation that would further develop the IAC proposals that need more time to be discussed and formulate draft decisions to be tabled at the subsequent plenary. In order to retain the momentum and show the outside world that IPCC is taking the IAC report very seriously, IPCC should also consider to convene an additional plenary session in the first half of 2011, possibly back-to-back with the Working Group III adoption of the Special Report on Renewable Energy Sources (SRREN).

In order to facilitate consideration of the IAC recommendations in Busan, it would be very helpful if the secretariat could give an indicative estimate of the costs and other implications, such as timelines for the production of IPCC reports.

Since communication is one of the main topics that IAC formulated recommendations on, we suggest addressing the communication strategy as an integral part of the IAC recommendations and not complicate the considerations by having a separate discussion under agenda item 9.

Specific suggestions regarding governance and management

- In support of the IAC recommendations, we suggest that the current executive structure should be transformed into an Executive Committee, with the mandate to decide on day-to-day management issues. If specific capacities are needed other people should join during the considerations (for instance a senior communications officer). The Terms of Reference for this Executive Committee, including the tasks and responsibilities should be clearly defined. In addition, the agenda of and minutes containing the decisions of Executive Committee meetings should be available to the all Bureau and Panel members. It is proposed that the reform task group prepare a draft decision covering the proposed Executive Committee for the next Panel meeting.
- The quality of the secretariat staff needs to be strengthened to provide the necessary support for the IPCC. The Panel should request WMO and UNEP to have a full review of the services the secretariat should provide and the capacities that are needed in the secretariat in consultation with the reform task group. In order to avoid disruptive competition between an executive director and other leaders of the IPCC, a task group should develop modalities for the qualifications, selection and mandate for an executive director, that would improve the management of the secretariat and the IPCC as a whole. This review should be available for consideration by the next session of the Panel in 2011.
- Decisions about the management of the secretariat, including the position of an executive director and the requested expansion of its staff should be taken only after this consideration.

Specific suggestions regarding the review process and avoiding mistakes

- Reaffirm the existing procedures at IPCC-32, including a decision on a reporting mechanism to check their proper implementation.
- To strengthen the the role of Review Editor, attention should be given to training, and their number could be increased to improve the careful consideration of the comments. This should already be applied to the AR5.

- Expert review comments should be offered anonymously to the authors. WG III had very positive feedback on its experiment with this method during the drafting of the SRCCS.
- Make comments and author responses available to reviewers immediately after author meetings to increase transparency and assist reviewers and governments in formulating further comments/priorities for the adoption of the reports.
- Request the author teams with assistance from TSUs to provide on-line access to the literature for authors and reviewers, e.g. through hyperlinks in the draft texts.
- Expand chapter teams with 'chapter assistants', who check references and underpinning of statements.
- Expand the pool of well-qualified authors for example by consulting the Academy of Sciences for the Developing World and other institutions.
- Facilitate secondment of DC lead authors to developed countries institutions.
- A system for classifying of the quality of grey literature is needed as well as more detailed procedures for adopting them as suitable literature references.
- To implement the IAC recommendation and the standing IPCC procedure to assess
 the full range of views, the literature on theories with alternative explanations or
 attributions of climate change should be addressed explicitly, including in the SPMs
 and SyR. This would serve policy makers who are confronted with these theories
 frequently. We recommend IPCC reports provide a scientific appraisal of these
 widespread alternative views.

Specific suggestions regarding uncertainty

The Netherlands welcomes the IAC proposals for handling uncertainties. It supports the IAC recommendation to focus on the amount of evidence and level of agreement in literature as a base for uncertainty treatment by all three WGs. In addition, quantitative scales could be used, preferably based on empirical data. The use of 'confidence levels' in IPCC report based solely on expert judgment of an author team, without any traceable record of its provenance, should be discontinued.

Specific suggestions regarding communication

- The Communication Strategy developed by the secretariat should be discussed as an integral part of the consideration of the IAC report, and should provide for clear division of communication responsibilities for the different functions in the IPCC (content of the science, the review process, alleged errors or misconduct).
- The IPCC should strengthen its communication strategy for handling criticism on IPCC with a view to dealing with crises and restoring the image of IPCC. This strategy should be developed and subsequently endorsed by the Panel.

Specific suggestions regarding transparency

- Specify criteria for selection of authors, i.e. specific expertise, geographical balance, and balance in views, in gender and in experience.
- Provide for a webcast of plenary sessions that adopt Summaries for Policy Makers.
- Adopt a conflict of interest policy for authors, building on experiences with existing models.
- Post a statement of interest for candidates for bureau positions on the web, including
 political duties and commercial interests, and keep these up-to-date during their
 membership of the bureau.
- Make grey literature references easily recognizable (e.g. by printing them in grey).

- Make expert judgments fully transparent and traceable to the underlying material, including the literature references.
- Have authors record how they checked the quality of each source, and post the record on the web.
- Create the possibility to report alleged mistakes on the web with a public registration website, but safeguard against misuse.
- Decide on a procedure to assess the different types of errors, including posting of errata and informing the reporter. A possible classification of error types can be found in the report "Assessing an IPCC Assessment" (PBL, 2010).

30/09/2010

Preliminary Norwegian comments on the IAC review report

Introduction

The Climate and Pollution Agency as Norwegian focal point acknowledges the opportunity to provide comments to the InterAcademy Council report on "Climate Change Assessment – Review of the Processes and Procedures of the IPCC". We will continue to support the important and valuable work of the IPCC and the importance of its scientific and intergovernmental nature should be underlined. It is important that IPCC continues to provide high-quality, policy-relevant documents that are approved by governments without being policy prescriptive. As part of our consideration we have asked the Norwegian members of the new author team for the fifth assessment to give us input and our comments is party based on input from them.

Overall we are pleased with the report by IAC and we are generally positive to their recommendations to improve further IPCCs procedures and work. We think that the implementation of changes proposed in the IAC-report will improve the quality, transparency and the outreach related to the results in IPCC reports. Some of the suggestions are concrete and can in our view be implemented quickly while other suggestions need to be developed further. In general IACs suggestion for improvement of the procedures are in line with the ideas IPCC have based its work on and will be a step further along this road. Furthermore some of the suggestions deal with issues which are already addressed in parts of the process for the 5th assessment report. Together with document INF 4 to the meeting and principles which are addressed but not formalized at the lead author meetings, the IAC report is a good basis for formalizing improved procedures and to improve IPCCs fulfillment of the procedures.

Since the work on the fifth assessment report has already started, we think it is important to assign sufficient time at the upcoming IPCC Plenary in Busan to accommodate as many as possible of the IAC recommendations directly related to the quality and transparency of the assessment work. In our opinion it would facilitate our discussions in the meeting if the secretariat structured the agenda item on the IAC recommendations according to the need to implement the recommendations in the short to medium-term (i.e. for use in the 5AR) and in the long-term. We propose that the recommendations which are relevant to the quality of the 5th assessment report can be adapted at the meeting in Busan and that it is made a clear work program and process for the treatment of the other recommendations e.g. those related to organizational structure.

Plenary meeting structure

We suggest further to start the discussion about agenda item 5 early and probably before the discussion of agenda item 4 scoping of the SYR since many of the IAC-suggestions is relevant to the SYR.

It would be useful to have a presentation of the outcomes of the IAC-review by a representative of the IAC committee at the Busan meeting. Further it should in our view be considered to establish a task group or task force to take forward the decisions from the plenary meeting. In Busan we may take decisions about changes to be implemented now and terms of reference for the further work on implementation of other changes. Furthermore it should be considered to have a plenary meeting early 2011. We think it will be beneficial if most of the discussions related to the IAC recommendations at the plenary meeting could be chaired by someone who has been less involved in the last assessment report and have a high degree of independence from the findings of the review. One alternative could be to discuss the recommendations in a contact group.

In the discussion about the IAC recommendations we would like to start the discussion with the recommendations that in our view should be implemented quickly because of their relevance to the 5th assessment report. Below we have listed recommendations according to their relevance for the AR5 and according to the possibility for short- or longer-term implementation.

Recommendations that have implications for and could be implemented for AR5

Norway is of the opinion that the waste number of recommendations listed below is sound and could relatively easily be implemented for use in the AR5. We concert the statement from the review committee that the IPCC is an adaptive organization, applying lessons learned from one assessment to the next and improving its processes to address new policy needs. We therefore have faith in IPCC to respond fast and appropriate to the recommendations given. Several of the recommendations points to the need for concise work and responsibility descriptions for writing teams (CLA, LA etc.) as well as routines to see that the procedures are followed. Most of the recommendations could be accommodated by appointing teams to oversee the procedures already in place and complement these whenever necessary. The main outcome of this work should in our view be one document where all procedures, work descriptions and requirements for different positions and work performed under IPCC is collected. The work will build on already existing documented and common practice procedures, and updated according to the IAC recommendations. The working groups involved in the revision of procedures and the terms of reference for the work should be agreed in Busan. The revised procedures can be adopted at a next session of the IPCC plenary.

The following recommendations are examples of recommendations that Norway supports and that we think can be implemented in the short-term:

A. Review process

Page 3.

1. Increased efficiency of review process: The IPCC should adopt a more targeted and effective process for responding to reviewer comments. Review Editors would prepare a written summary of the most significant issues raised by reviewers shortly after review comments have been received. Authors would be required to provide detailed written responses to the most significant review

issues identified by the Review Editors, abbreviated responses to all non-editorial comments, and no written responses to editorial comments.

Comment: We support the recommendations

2. Role of review editor: The IPCC should encourage Review Editors to fully exercise their authority to ensure that reviewers' comments are adequately considered by the authors and that genuine controversies are adequately reflected in the report

Comment: We support the recommendations and it should be considered to strengthen the Review Editors position and to further clarify their responsibility and role.

Page 21.

3. Recommendation: The IPCC should adopt a more targeted and effective process for responding to reviewer comments. In such a process, Review Editors would prepare a written summary of the most significant issues raised by reviewers shortly after review comments have been received. Authors would be required to provide detailed written responses to the most significant review issues identified by the Review Editors, abbreviated responses to all non-editorial comments, and no written responses to editorial comments.

Comment: We support the recommendations

Transparency I

Page 20.

1. Recommendation: The IPCC should strengthen and enforce its procedure for the use of unpublished and non-peer-reviewed literature, including providing more specific guidance on how to evaluate such information, adding guidelines on what types of literature are unacceptable, and ensuring that unpublished and non-peer-reviewed literature is appropriately flagged in the report.

Comment: We support the recommendations and think the implementation can be facilitated by ongoing considerations of this topic by IPCC.

Page 20.

2. Recommendation: Lead Authors should explicitly document that a range of scientific viewpoints has been considered, and Coordinating Lead Authors and Review Editors should satisfy themselves that due consideration was given to properly documented alternative views.

Comment: We support the recommendations

Page 26.

1. Synthesis reports. The selection of authors can be a mystery, involving an unexplained mix of Coordinating Lead Authors and Lead Authors.

Comment: The IPCC should seek to increase the transparency of the writing team of Synthesis reports.

B. Assessment reports

Page 25.

4. Recommendation: The IPCC should revise its process for the approval of the Summary for Policy Makers so that governments provide written comments prior to the Plenary.

Comment: We think this is the practise already. We believe it is necessary to discuss the SPM line by line based on comments.

Page 37.

5. Recommendation: Chapter Lead Authors should provide a traceable account of how they arrived at their ratings for level of scientific understanding and likelihood that an outcome will occur.

Comment: We support the recommendations

6. Page 46.Recommendation: The IPCC should develop and adopt a rigorous conflict of interest policy that applies to all individuals directly involved in the preparation of IPCC reports, including senior IPCC leadership (IPCC Chair and Vice Chairs), authors with responsibilities for report content (i.e., Working Group Co-chairs, Coordinating Lead Authors, and Lead Authors), Review Editors, and technical staff directly involved in report preparation (e.g., staff of Technical Support Units and the IPCC Secretariat).

Comment: We support the recommendations

Page 57.

7. Access to Information: Investigate how access to literature of different kinds can be improved.

Comment: We support the proposals.

C. Characterizing and communicating uncertainties

Page 4.

8. Uncertainty: All Working Groups should use the qualitative level-of-understanding scale in their SPMs and TS, as suggested in IPCC's uncertainty guidance for AR4. This scale may be supplemented by a quantitative probability scale, if appropriate.

Quantitative probabilities (as in the likelihood scale) should be used to describe the probability of well-defined outcomes only when there is sufficient evidence. Authors should indicate the basis for assigning a probability to an outcome or event (e.g., based on measurement, expert judgment, and/or model runs).

Comment: We do not have a strong opinion about exactly which system to use to describe uncertainty, but we fully support the idea that whatever system is adopted it is used (to the extent possible) across all working groups. We recommend that we listen to advice from the scientific community at this point and foresee that the outcome of the previous work shop on this issue may give a useful contribution to the development of such a system. We recommend that the incoming CLAs and LAs go through actual training in the use of the "system", because it will probably seem unfamiliar and a bit complicated to most.

Other recommendations which can be implemented at a shortmedium term

D. Communication strategy

Page 5.

9. Recommendation: The IPCC should complete and implement a communications strategy that emphasizes transparency, rapid and thoughtful responses, and relevance to stakeholders, and which includes guidelines about who can speak on behalf of IPCC and how to represent the organization appropriately.

Comment: Norway welcomes the emphasis of the IAC regarding strengthening of the IPCC communications work. We support the development of a communications strategy of the IPCC, and in general we are in favor of the elements outlined in the IAC assessment. We agree that the IPCC cannot rely on one spokesperson alone – but would like to stress that statements to the press on behalf of the IPCC should still be coordinated internally. The identified spokespersons should receive adequate media training by the IPCC.

One of the strongest assets of the IPCC when it comes to reaching out to the general public is the national Focal Points. This should be recognized in the new communications strategy. The IPCC should facilitate the information flow by developing press releases and other materials targeting the general public, which could be translated by the Focal Points in time to be released at the same time as the reports. These materials should preferably be made available in all official UN languages, in order to ease the translation process on the national level.

Norway would not like to add the approval of press releases to the duties of the plenary meetings. The co-chairs of the working groups must be involved in the drafting and with a stronger management structure in the secretariat the Chair of the IPCC and the manager of the secretariat should be entrusted to finally approve the press releases and other outreach materials.

Crisis management will be an important part of the communications strategy but day-to-day communication management is also crucial. Norway supports the idea of engaging in more two-way communication with society but also recognizes that this will require more resources than the IPCC secretariat possesses today and a proper terms of reference for such activities.

We find it important that the secretariat regularly reports back on the implementation of the strategy in plenary meetings and preferably by written reports and a brief introduction on

foreseen developments and challenges, so that the member states can take advantage of the plenary meetings to discuss strategy rather than details and particular outreach events.

E. IPCC Secretariat

Page 44.

3. Recommendation: The IPCC should redefine the responsibilities of key Secretariat positions both to improve efficiency and to allow for any future senior appointments.

Page 26.

4. IPCC secretariat: To date, the IPCC Secretariat has supported the production of the Synthesis Report. The Committee understands that a Technical Support Unit, based in Delhi or possibly in Geneva, will be created to assist the IPCC Chair in preparing the Synthesis Report for the fifth assessment. If this proves to be the case, the constitution and management of the Technical Support Unit will be of critical importance.

Comment: Norway supports a strengthening of the secretariat and its capacity. Furthermore it would be beneficial to better define its responsibilities. We may come back with further comments to the concrete suggestions at a later stage.

F. Transparency II

Page 17.

10. Scoping: The IPCC should make the process and criteria for selecting participants for scoping meetings more transparent. Recommendations with particular AR5 relevance

Comment: We support the recommendations

Page 18.

11. Recommendation: The IPCC should establish a formal set of criteria and processes for selecting Coordinating Lead Authors and Lead Authors.

Comment: We support the recommendations

Page 42-43.

5. Recommendation: The IPCC should develop and adopt formal qualifications and formally articulate the roles and responsibilities for all Bureau members, including the IPCC Chair to ensure that they have both the highest scholarly qualifications and proven leadership skills.

Comment: We support the recommendations

G. Participation

Page 18.

6. Recommendation: The IPCC should make every effort to engage local experts on the author teams of the regional chapters of the Working Group II report, but should also engage experts from countries outside of the region when they can provide an essential contribution to the assessment.

Comment: We support the recommendations

Page 56-57.

- 7. Participation of Developing Countries and the Private Sector:
- Facilitating travel of developing-country scientists by funding mobility grants to and/or secondments (temporary placements) of developing-country Lead Authors to enable them to spend time in Technical Support Units or other appropriate institutions in developed countries to facilitate interaction, cooperation, and further human capital development;
- Establishing university-to-university partnerships to strengthen developingcountry science;
- Establishing regional facilities in developing countries where authors from the region could spend time interacting and writing.

Comment: We support the proposals.

Resources demanding recommendations

H. Governance and Management

Page 2:

8. Recommendation: The IPCC should establish an Executive Committee to act on its behalf between Plenary sessions. The membership of the Committee should include the IPCC Chair, the Working Group Co-chairs, the senior member of the Secretariat, and 3 independent members, including some from outside of the climate community. Members would be elected by the Plenary and serve until their successors are in place.

Comment: At this stage we are not prepared to take a position on how a revised management structure should look like in the future. However, we approve of a wider leadership group running the inter-plenary workings of the IPCC, to spread the responsibilities of public and internal response to more than just one or two people (as it is today, and which is quite inhuman, really, for an organization this big).

As a first step we suggest that the existing Executive Team is formalized ant that it is developed Terms of Reference for its work.

We do support that the exact distribution of responsibility is worked out carefully, so there is no doubt who reports to whom and about what issues.

We think it might work to include members from outside the climate community in a new management structure, but we recommend that these should be elected for their strong academic background and knowledge of communication rather than because of their political interests (such as NGOs, oil industry etc.).

Page 2:

9. Recommendation: (a) The IPCC should elect an Executive Director to lead the Secretariat and handle day-to-day operations of the organization. (b) The term of this senior scientist should be limited to the timeframe of one assessment.

Comment a: We support the suggestion of a broader management board, but as mentioned above, we would like to discuss further how this should be structured and how such a director should be selected. Anyway the responsibility for the IPCC Chair and the "Executive Director" must be clearly defined.

Comment b: We see benefits in the recommendation that the IPCC Chair and the Co-Chairs serve in one term in the future. This would underscore the very important message that each new assessment report is new, and independent of the earlier reports. We do, however, recommend that proper consideration is given to secure the continuity of the work and a proper hand over of responsibilities from one Technical Support Unit to another.

РОССИЙСКАЯ ФЕДЕРАЦИЯ ФЕДЕРАЛЬНАЯ СЛУЖБА ПО ГИДРОМЕТЕОРОЛОГИИ И МОНИТОРИНГУ ОКРУЖАЮЩЕЙ СРЕДЫ

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 N80-90-39/182m

Dr. Renate Christ Secretary of the IPCC

IPCC Secretariat WMO SWITZERLAND

Fax: +41 22 730 8025/8013 Email: IPCC-Sec@wmo.int

Dear Dr. Christ,

Further to your letter please find below Comments of the Russian Federation on Conclusions of the report of the InterAcademy Council "Review of the IPCC processes and procedures".

Some of our comments are in line with the IAC recommendations, while others emphasize some points on which more debates are needed.

Annex: 2 pages

Yours faithfully,

Dr. Alexander Frolov Head of the Federal Service for Hydrometeorology and Environmental Monitoring (Roshydromet)

Comments of the Russian Federation on Conclusions (page 51-58) of the report of the InterAcademy Council "Review of the IPCC processes and procedures"

- 1. The Russian Federation welcomes an overall positive opinion of the IAC committee on the role of the IPCC and its work over 1988-2010 expressed in the preamble to Conclusions of the Report.
- 2. We have certain doubts on the necessity to establish an Executive Committee and a post of Executive Director, who should be a known scientist, to lead the IPCC Secretariat, due to the following reasons:
- The IPCC Bureau and the IPCC Chairman should give general guidance to the IPCC Secretariat, in particular, between plenary sessions,
- Secretary of the IPCC is to lead a day-to-day work of the IPCC Secretariat that should deal mainly with technical issues, not with substantive ones.
- 3. Since the IPCC is an intergovernmental body, information provided by the IPCC must be convincing primarily for governments. Therefore, in selection of authors and review-editors priority should be given to the scientists nominated by governments. The main criteria are to be research experience and scientific achievements. Representatives of business, international organizations, national non-governmental organizations and management may be involved, but scientific experience is strictly preconditioned.
- 4. Certain clear criteria should be elaborated in regard to the formulation of comments on the IPCC drafts by experts and governments. In particular, number of so called "general comments" should be minimized. This will give review-editors and authors an opportunity to be better concentrated on concrete substantive issues.
- 5. More work is needed on characterizations of uncertainty of statements. The scales of confidence used in the TAR and AR4 for this purpose are difficult for readers and often cause difficulties for understanding. The use of subjective probabilities in expert judgments especially requires attention and caution.

We do agree that "high confidence" should not be assigned to vague formulated outcomes.

Authors should clearly indicate the basis for assigning probability to an outcome or event (e.g., measurements, expert judgments, model runs).

- 6. An effective communication strategy aiming at disseminating the major scientific findings is one of the main priorities for the IPCC. It should be elaborated as soon as possible.
- 7. We fully support the IAC committee recommendation on the development and adoption of certain formal qualification requirements for all Bureau members, including the IPCC Chair, and formal articulation of their specific roles, to ensure that they have both highest scholar qualifications and proven leadership skills.
- 8. Data and proofs play much more important role in exact sciences (mathematics, physics, chemistry, etc.) than points of view and opinions of individual experts. Scientific seminars and scientific journals is the right place for detailed discussions on findings, formulation of theories, and analysis of different approaches and the whole spectrum of views. To be useful for decision

makers, the IPCC authors should take the responsibility to present the most proven scientific results, while others could only be flagged.

- 9. We agree that the IPCC should develop very clear and transparent procedure for the use of non-peer-reviewed literature including very clear guidance on how to evaluate such information. It is evident that some sources of this type could be very useful for the IPCC assessments, e.g., reports of international organizations and national agencies on climate change and its consequences.
- 10. We support engaging the best regional experts in the IPCC assessments. In particular, it will be very important in regard to the regional part of the contribution of WGII to the IPCC Fifth Assessment Report.
- 11. The processes for the approval of Summary for Policy Makers should be rearranged so as to give governments an opportunity to present written comments prior to the Plenary.
- 12. We agree that it is important for the IPCC to aspire toward ensuring that the main conclusions in its assessment reports are underpinned by appropriately referenced peer-reviewed sources or, to the greatest extent practical, by openly accessible databases.

SPAIN Comments on IAC review

General comments

Spain welcomes the invitation by the IPCC Secretariat to provide written comments to IAC review report in preparation of the 32nd Session of IPCC in Busan. Spain also welcomes the IAC review report and expresses its deepest gratitude to IAC for the elaboration of the report.

Spain remains convinced that the IPCC offers the most authoritative and comprehensive assessment process on the existing climate change. The role of the IPCC is crucial in deepening our understanding of climate change through its robust and solid scientific assessments.

It is worthy to highlight that during this year the IPCC has been submitted to a close scrutiny. In addition to the IAC review on the IPCC processes and procedures, other six independent reviews have made, focussing mainly on the quality of the climate change science. All of them recognize the highest confidence in the science of the IPCC Assessment reports and the appropriate work carried out by IPCC.

The IAC review report contains recommendations of diverse nature with different implications. Some of them, mainly those related to governance and management, could have relevant financial implications, even affecting the nature of the IPCC organization itself. Therefore, a carefully consideration will be required. The valuable recommendations of the IAC review on improving the IPCC processes and procedures are highly appreciated. We would also like to recognize the valuable ongoing efforts conducted within the IPCC to the same end.

Spain is submitting its preliminary comments and is looking forward to sharing its views with other governments during the next IPCC Plenary in Busan. We have not doubt that IPCC will be strengthened by the IAC review and by the other independent reviews.

Specific Comments:

Preliminary comments related to the main recommendations contained in the conclusions (Chapter 5) of the IAC review report.

Modernizing the management structure:

Spain recognizes that the workload of IPCC Secretariat has enormously increased, in particular since 2007. There is a quite urgent need to reinforce the IPCC Secretariat and to strengthen the day to day support and management. Different options and possibilities could be considered.

Spain would support options aiming to increase flexibility and robustness of the IPCC Secretariat. At present, the appointment of few additional staff and/or consultants could reduce the involvement of the Secretary and Deputy Secretary in some routine tasks, allowing them to devote more time to their management responsibilities.

The recommendation from the IAC review to establish an Executive Committee could be an interesting proposal as a starting point for discussion. However, composition, responsibilities, financial implications as well as management and reporting aspects need to be carefully considered. In fact, a clear definition of the Terms of Reference

would be needed. To formalise the Executive Team (E-Team) by IPCC Plenary could be very beneficial as an intermediate step until the IAC's recommendations on management are fully considered.

Regarding the IAC recommendation to elect an Executive Director, this is in our view a long term issue that needs to be further explored. It could have relevant financial implications as well as on the current nature of the IPCC organization. A more careful evaluation would be needed on the different implications in consultations also with WMO, UNEP and UN's financial and legal departments. It is also noted, that it could have potential impact in the current IPCC financial structure budget lacking of a "core budget" as others UN organizations and/or Conventions have.

Spain does not support the IAC recommendation to limit the term of the IPCC Chair and Working Group Co-chairs to the timeframe of one assessment. In our view a period of two assessment cycles, as it is in the current rules approved by IPCC plenary, seems more convenient and allows taking advantage from previous experiences. It is worthy to note that Bert Bolin served very successful for two terms as IPCC Chair.

Strengthening the review process

Spain supports mostly the IAC review recommendations, in particular to:

- Encourage Review Editors to fully exercise their authority to ensure that reviewers' comments are adequately considered by the authors and that genuine controversies are adequately reflected in the report. In fact, according to current discussions in IPCC, the role of review Editors will be reinforced in the Fifth Assessment Report (AR5).
- Adopt a more targeted and effective process for responding to reviewer comments. In such a process, Review Editors would prepare a written summary of the most significant issues raised by reviewers shortly after review comments have been received.

Characterizing and communicating uncertainties

Spain supports recommendations on characterizing and communicating uncertainties, in particular those aiming at expressing likelihood in terms of probabilities (using both words and numbers). We specially support the traceability of ratings for the level of scientific understanding and probabilities for different outcomes. Acknowledging that treatment of uncertainties is a complex issue, it should require the maximum level of consistency through specific issues among WGs. We are concerned by some more ambiguous issues like, e.g., the existence of enough evidences and ways to arrive to quantitative probabilities associated to them.

It could be important to consider the IAC's recommendations on uncertainty alongside the report of the IPCC cross working group on uncertainties.

Developing an effective communications strategy.

Spain supports the improvement of the internal and external communication of the IPCC, with IPCC remaining policy-relevant, but not policy prescriptive. Credibility of IPCC depends on the scientific quality of the assessment reports, but also on the communication on IPCC procedures and processes for improving the public perception of its activities. IPCC should quickly responses to criticism and concerns. A strategy on the reaction to critical situations, including the appropriate communication on climate change science would be very valuable.

Spain fully supports the IAC recommendation on "the completion and implementation of communication strategy that emphasizes transparency, rapid and thoughtful responses, and relevance to stakeholders, and which includes guidelines about who can speak on behalf of IPCC and how to represent the organization appropriately".

Increasing transparency

For increasing transparency Spain supports the IAC's recommendations:

- Make the process and criteria for selecting participants for scoping meetings more transparent.
- Establish a formal set of criteria and processes for selecting Coordinating Lead Authors and Lead Authors.
- Develop and adopt formal qualifications and formally articulate the roles and responsibilities for all Bureau members, including the IPCC Chair, to ensure that they have both the highest scholarly qualifications and proven leadership skills.

Clarifying the use of unpublished and non-peer-reviewed sources.

Spain supports to apply existing rules and procedures for the use of unpublished and non-peer-reviewed literature more carefully, including providing more specific guidance on how to evaluate such information, and ensuring that unpublished and non-peer-reviewed literature is appropriately flagged in the report.

Engaging the best regional experts.

Spain considers important to prioritize the participation of local experts on the author teams of the regional chapters of the Working Group II report. Actively efforts to identify local experts should be done, including establishing contacts with regional institutions and networks.

Expediting approval of the Summary for Policy Makers

The IAC recommendation "governments provide written comments prior to the Plenary for expediting approval of the Summary for Policy Makers" is, in fact, already included in the current IPCC procedures. Spain supports expediting approval of the SPM and is looking forward to share views on possible options. However, Spain could not accept any option that implies that governments can not make additional issue proposals from the floor during the approval session. Since SPM is a very relevant document for governments a careful approval process by consensus of all governments is required.

Suggestions for next steps:

To allow as soon as possible the full consideration of the IAC's recommendations Spain suggests starting the discussion in Busan focussing in the more important issues and taking a decision on the next steps to follow. In this context, Spain would support to constitute a Task Group, defining its Term of Reference, to report to the next and subsequent Plenary Sessions. It would also be important to identify both short term and long term issues in the IAC review and to consider the valuable work already made by IPCC as described in IPCC-XXXII/Inf.4.

Spain would also support two Plenary Sessions in 2011. The first one (33rd IPCC Plenary) back to back with WG III Plenary for approval and acceptance SRREN and

the second one (34^{th} IPCC Plenary) back to back with WGI/WGII Plenary for approval and acceptance SR on extremes events.

Madrid, 30 September 2010





2010-09-30

Marianne Lilliesköld Swedish Focal Point for the IPCC Forskningssekretariatet/Research sekretariat Tel/Phone 08 - 698 12 69 Marianne.lillieskold@naturvardsverket.se

Comments by Sweden

Sweden would like to take the opportunity to thank the InterAcademy Council for an excellent review of the IPCC rules and procedures. Sweden is also pleased to be given the possibility to give our view on the IAC's recommendations.

Sweden acknowledges that the IPCC has a relatively robust set of procedures but recognizes that the environment in which the IPCC work is being carried out has changed considerably over time as a result of intensified and expanded research activities within this area, through increased public awareness about climate change and progress in climate policy.

In general, Sweden finds most of the recommendations of the IAC relevant and in line with many of the views Sweden has advocated on previous occasions. Timely consideration by IPCC of the recommendations by the IAC is essential for the future of the IPCC and its continued role in providing policy-relevant information to the society. To this end, Sweden would like to propose that sufficient time will be allocated for considering these issues at the 32nd Plenary held in Busan. Ideally, the agenda item in question will be opened already at the very beginning of the plenary for establishing a contact group, chaired by a developed and a developing country co-chair, to prepare draft decisions on the way forward, to be considered in plenary on the third day of the meeting at the latest. Sweden is flexible on the specific working arrangements, but strongly emphasizes the urgency of considering the issue.

Sweden's detailed views on the recommendations from the IAC are given below.

Assessment process

Sweden supports the suggestions to (our view on how to proceed is in italics):

1. Make the process and criteria for selecting participants for scoping meetings more transparent.

We also support that scientists are given more flexibility to include and adjust the approved outline at a later stage.

2. Establish a formal set of criteria and processes for selecting Coordinating Lead Authors and Lead Authors.

This would reasonably involve more detailed elaboration of today's overall criteria of scientific expertise and geographical representativity. A first step could be for the Bureau to detail how the process in practice works today, to give a starting point for any necessary elaboration.

3. Engage local experts.

Sweden believe this should provide for broad solicitation of knowledge which is important for the continued trust in the globally inclusive work of the IPCC.

4. Strengthen and enforce its procedure for the use of unpublished and non-peer-reviewed literature, including providing more specific guidance on how to evaluate such information, and ensuring that unpublished and non-peer-reviewed literature is appropriately flagged in the report.

The grounds for this are already established in the "Appendix A to the Principles Governing IPCC Work" that notes on the use of gray literature. Ways how to elaborate the procedures further should be elaborated, e.g. by tasking the Review Editors to monitor this in greater detail. As to providing references in the report, identification of different categories of literature could be feasible by rather simple editorial/layout techniques

5. Lead Authors should explicitly document that a range of scientific viewpoints has been considered, and Coordinating Lead Authors and Review Editors should satisfy themselves that due consideration was given to properly document alternative views.

This should go without saying. The assessment itself and the listed references as such document the range of scientific viewpoints that have been considered. However, there may be additional measures that could be taken to further document these considerations.

6. A more targeted and effective process for responding to reviewer comments.

It may be useful to make the written summaries readily available to the expert reviewers and the IPCC focal points after each review round and to ensure that there are means for reviewers and focal points to provide rapid feedback. Written summaries by the RE should be treated similarly to the documentation of the review rounds, i.e. be made available on the IPCC's Technical Support Units' home pages.

7. Encourage review editors to fully exercise their authority to ensure that reviewers comments are adequately considered by the authors and that genuine controversies are adequately reflected in the report.

The suggestion to introduce a similar review process as in NRC might be an idea, i.e. Review Editing would be made by a group that is not engaged in writing the report, and Review Editors would report directly to that group. For IPCC it would mean appointing a small group of experts who would report directly to a new Executive Committee (see below). An alternative might be to engage an international scientific body to provide such services for the IPCC. The Bureau should take the lead in this process in extensive consultation of previous Review Editors as well as Chapter lead authors.

8. Revise its process for the approval of the Summary for Policy Makers (SPM) so that governments provide written comments prior to the Plenary.

The recommendation is not readily comprehensible, as the governments do provide written comments prior to the plenary according to current procedures. However, the proposal might allude to the fact that no new material should be introduced from the floor while the plenary is taking place, e.g. new figures. Such a rule should be weighted against loss of flexibility in the process of providing the best possible SPMs. Nevertheless, Sweden recognizes the merit in pursuing increased efficiency in the WG plenaries in which the respective SPM has gone through.

Evaluation of evidence and treatment of "uncertainty"

Sweden supports the recommendation that

9. All Working Groups should use the qualitative level-of-understanding scale in their Summary for Policy Makers and Technical Summary, as suggested in IPCC's uncertainty guidance for the Fourth Assessment Report. This scale may be supplemented by a quantitative probability scale, if appropriate.

Consistent terminology on addressing and communication of uncertainty across the WG-reports etc. is very important. The IPCC's uncertainty guidance for Assessment Reports (ARs) needs to be explicit about the methodology used. Also the conditions for when "quantitative probability scale" can be used should be elaborated.

10. Chapter Lead Authors should provide a traceable account of how they arrived at their ratings for level of scientific understanding and likelihood that an outcome will occur.

This should follow from the agreed methodology, which could include formal criteria of each rating. E.g., extent of evidence could be quantified by the number of articles used and extent of agreement by the fraction of the covered literature pointing to the same direction. Even though such procedures might be incomplete, they would at least improve transparency in how the ratings are done.

11. The confidence scale should not be used to assign subjective probabilities to ill-defined outcomes.

This is certainly true but whether a probability is "subjective" and whether an outcome is "ill-defined" may not be straightforward to judge. Further careful consideration of this issue would be useful. Assessing probabilities and defining confidence could reasonably be contained in the IPCC Uncertainty guidance note.

12. The likelihood scale should be stated in terms of probabilities (numbers) in addition to words to improve understanding of uncertainty.

Recommendation: Where practical, formal expert elicitation procedures should be used to obtain subjective probabilities for key results.

This could also be addressed in the Uncertainty guidance note (see above).

Governance and Management

Sweden supports the suggestion to

13. Establish an Executive Committee to act on its behalf between Plenary sessions.

However, it is not clear from the IACs proposals in which issues such a committee should act and there is therefore a need to discuss and establish a remit of such a committee. Furthermore, its role in general and in relation to a potential Executive Director, as well as criteria for whom to include from the outside of climate community would need to be explored.

- 14. Develop and adopt formal qualifications and formally articulate the roles and responsibilities for all Bureau members, including the IPCC Chair, to ensure that they have both the highest scholarly qualifications and proven leadership skills.
- 15. Redefine the responsibilities of key Secretariat positions both to improve efficiency and to allow for any future senior appointments.
- 16. Limit the terms of the Working Group Co-chairs to the timeframe of one assessment.
- 17. Elect an Executive Director to lead the Secretariat and handle day-to-day operations of the organization.

The process by which the Panel elects the Executive Director would need to be established.

- 18. Develop and adopt a rigorous conflict of interest policy that applies to all individuals directly involved in the preparation of IPCC reports, including senior IPCC leadership (IPCC Chair and Vice Chairs), authors with responsibilities for report content (i.e., Working Group Co-chairs, Coordinating Lead Authors, and Lead Authors), Review Editors, and technical staff directly involved in report preparation (e.g. staff of Technical Support Units and the IPCC Secretariat).
- 19. Complete and implement a communications strategy that emphasizes transparency, rapid and thoughtful responses, and relevance to stakeholders, and which includes guidelines about who can speak on behalf of IPCC and how to represent the organization appropriately.

The first step should be an analysis of the present communication strategy and related guidelines. In addition to the points raised by the IAC, means for responding to real as well as potential errors in the published reports need to be established, including documentation on the Panel's home page.

Sweden sees also some merit in the proposals to:

20. Limit the term of the IPCC Chair to the timeframe of one assessment"

and

21. Limit the timeframe for an elected IPCC executive secretary to one assessment

However, to enhance continuity of work there may also be merit in securing a certain overlap of these two management posts and careful consideration should therefore be given to possible schemes that could enhance continuity such as serving terms, for one or both of these, slightly longer than one full assessment cycle.

REVIEW OF THE IPCC PROCESSES AND PROCEDURES: REPORT BY THE INTER ACADEMY COUNCIL

32nd IPCC Plenary, Busan (Republic of Korea), 11 to 14 September 2010

Switzerland welcomes the opportunity to submit its views on the report of the InterAcademy Council on the IPCCC review, following the invitation of the Secretary of the IPCC in her letter to the Governments dated 3 September 2010.

General comments

- We would like to thank the InterAcademy Council and all the experts that have participated to the review
- It is an opportunity to improve the functioning of the IPCC in order to make it more scientifically robust
- Neither the IPCC itself as an institution nor its findings are at all in question
- The report of the InterAcademy Council contains recommendations in its Executive Summary and also in the chapters. We have collected these recommendations and numbered them in order to facilitate their treatment
- Many of the recommendations contain elements that are not new as they were already implemented by the IPCC in the course of its previous works, ensuring the quality of these works
- We do not deal with issues such as participation of developing countries, the mandate of the WGs and others that the report has not considered extensively

Executive Summary

- 1. The IPCC should establish an Executive Committee to act on its behalf between Plenary sessions. The membership of the Committee should include the IPCC Chair, the Working Group Co-chairs, the senior member of the Secretariat, and 3 independent members, including some from outside of the climate community. Members would be elected by the Plenary and serve until their successors are in place.
 - The establishment of a body to enhance consistent actions of the IPCC in between Plenary meetings is useful and we support it.
 - The proposed composition of this body gives much weight to the IPCC Bureau, perhaps too little to the Governments, and may distract the working group co-chairs from their leading role while overlooking report preparations.
 - Practicality may also be an issue. How often would this executive committee
 meet, how effective could it really be as an executive committee when its
 members are not working in the same place?
 - Therefore, a more balanced composition should be envisaged, e.g. increasing the number of non-IPCC Bureau members from 3 to 5 (they would be elected by the Plenary for a term of 1 year renewable only once – in total a maximum of 2 years).

- 2. The IPCC should elect an Executive Director to lead the Secretariat and handle day-to-day operations of the organization. The term of this senior scientist should be limited to the timeframe of one assessment.
 - The election of an Executive Director to lead the Secretariat is acceptable.
 - The election should be carried out by the Plenary.
 - Limiting the term of the appointment to one assessment is acceptable but it
 would be important that continuity is ensured in particular in phases between
 assessment reports.
- 3. The IPCC should encourage Review Editors to fully exercise their authority to ensure that reviewers' comments are adequately considered by the authors and that genuine controversies are adequately reflected in the report.
 - The term "encouragement" should be accompanied by clear and transparent rules on how to proceed.
 - Review Editors need also sufficient support to actually do their work. In particular a modern IT environment needs to be made available to track drafts, comments, responses, and changes made.
- 4. The IPCC should adopt a more targeted and effective process for responding to reviewer comments. In such a process, Review Editors would prepare a written summary of the most significant issues raised by reviewers shortly after review comments have been received. Authors would be required to provide detailed written responses to the most significant review issues identified by the Review Editors, abbreviated responses to all non-editorial comments, and no written responses to editorial comments.
 - The procedure could be an improvement to current process albeit it will entail considerably more work from all Review Editors and authors.
 - The quality and completeness of the review process is critical, but not well addressed by this recommendation, since Review Editors could come in early during an ongoing review round to assess adequacy of the review or whether efforts are needed to improve the quality of the review in its 2nd half.
 - This process has to be supported by a modern IT structure (e.g. versioning systems); if not, it will make the task of the Review Editors almost impossible.
 - Some guidance on how authors should respond to comments, including standardization of common responses within and across all working groups, may indeed be helpful.
 - It is helpful to asking authors to make written responses to some comments such as editorial comments. The distinction between those categories is often not easy and may be controversial (see example Himalya, where authors interpreted a comment asking for deletion of the critical section by a reviewer as an irrelevant editorial comment (see comments 10-820 and 10-821 «IPCC WGII AR4 FOD Expert Review Comments» p.83 available at http://www.ipccwg2.gov/publications/AR4/ar4review.html). Moreover, it means more work, instead of less.
 - We would support making these written steps available to the whole community of persons involved in he preparation of the IPCC Assessment

- Report and may also to the public since all reviewer's comments and authors responses are also already made public (e.g. http://www.ipcc-wg2.gov/publications/AR4/ar4review.html).
- What would be useful is to better define what the role of the REs. Let us given them some more power to actually intervene in order to (i) assuring a review round is optimized by overlooking who participates as reviewer and by recommending possibly further reviewers who are then urged or explicitly invited by TSU to participate, or (ii) invite REs to discuss with CLAs categorization of comments (SPM, TS level, important, medium, editorial details) before LA meetings, (iii) offer advice during LA meetings on possible focus of responses to reviewer's comments, and (iv) discuss with CLAs outcome of LA meetings and their appropriateness of response and revisions planned.
- 5. All Working Groups should use the qualitative level-of-understanding scale in their Summary for Policy Makers and Technical Summary, as suggested in IPCC's uncertainty guidance for the Fourth Assessment Report. This scale may be supplemented by a quantitative probability scale, if appropriate.
 - Qualifying qualitatively/quantitatively the findings of the IPCC is a very critical issue. It is at the center of the IPCC process because it provides the qualification of the findings of its assessments and therefore the usefulness of the IPCC work.
 - The conclusions of the IPCC result from many complex scientific activities that include observations, data analysis, modeling, data and model validations, and finally drawing conclusions. Expert judgment plays a central role in all these activities.
 - Not surprisingly, there are several ways to handle uncertainties that complement each other, since not all approaches are always adequate. The actual sources of uncertainty can be of a very different nature (e.g. fundamental unpredictability, structural vs. value uncertainty etc.). Indeed, a quantitative result may lend itself very well for a probabilistic uncertainty assessment, while another finding may best be described by a qualitatively defined level of understanding. Moreover, uncertainty and confidence are not the same and must not be confounded. For instance we have very high confidence in the fact that weather has a very high degree of uncertainty (atmospheric processes being of a deterministic chaotic nature). The recommendation seems to narrow down these issues and seems not to have considered the full range of uncertainties that actually emerge during IPCC's work; it does not clearly distinguish between uncertainty and confidence.
 - Under these circumstances, the degree of scientific "certainty" or "truth" (using a word more in line with the expectations that the public may have from the IPCC) is difficult to establish and often very difficult to communicate and explain.
 - The existing uncertainty guidance of the IPCC takes into account all
 aforementioned aspects. This is why, from a practical point of view, it seems
 difficult to ask, a priori, the same "recipe" for all the findings in all the Working
 Groups of the IPCC.
 - We very much welcome that the authors will have a common guidance (Guidance Notes for Lead Authors of the IPCC Fifth Assessment Report on Addressing Uncertainties) and will be asked to make efforts to harmonize their

- use and the criteria for applying various methodologies, but all within a framework that leaves authors some liberty to choose the most appropriate method according to the nature of their work.
- This means that sometimes the qualification will remain qualitative and sometimes it will be of a more quantitative nature.
- Quantitative qualifications have to be used according to strong criteria that have to be the same for all Working Groups.
- 6. Quantitative probabilities (as in the likelihood scale) should be used to describe the probability of well-defined outcomes only when there is sufficient evidence. Authors should indicate the basis for assigning a probability to an outcome or event (e.g., based on measurement, expert judgment, and/or model runs).
 - In principle, the recommendation is sound (and almost obvious), but see the comments to paragraph 5 above.
- 7. The IPCC should complete and implement a communications strategy that emphasizes transparency, rapid and thoughtful responses, and relevance to stakeholders, and which includes guidelines about who can speak on behalf of IPCC and how to represent the organization appropriately.
 - Having a sound, effective and robust communication strategy is basically to be welcomed. However, this recommendation raises several questions:
 - The first question is: how to ensure scientific capacities in between reports' preparations. In the past the IPCC has indeed been rather weak in responding and communicating effectively. In particular there was a lack of processes in picking up and responding timely to criticism, but not due to a lack of a communication strategy but due to a lack of scientific expertise, since all working groups were at that time already disbanded.
 - The second question is: what are the views that the IPCC has to represent?
 We would say that the IPCC should almost exclusively present and represent its own findings established through its assessment work.
 - The third question is: should the IPCC express views on issues related to climate change that are not part directly of its assessments, such as the negotiation process under the UNFCCC and matters related to allocation of efforts for reducing GHG emissions or who has to pay for adaptation? Our position is that IPCC should not express views on these political matters. It may, nevertheless, indicate which scientific elements from its work are relevant to address these issues.
 - The fourth question has to do with answers that the IPCC should provide to specific requests and questions form stakeholders. In that case the IPCC should limit itself, as indicate in the second questions above, to indicate which scientific elements from its work are relevant to address these issues and questions.
 - The question who can speak on behalf of the IPCC is likely to be answered by its officials. However, the real strength of the IPCC is that its expertise is not coming from its officials but the many scientists working in the working groups.
 - Who has the recommendation in mind when mentioning the IPCC?
 Thousands of scientists (AR4 1369 authors) working within the working groups may be difficult to control. Does this recommendation imply they may

- no longer be allowed to talk in public about their work even once a report has been completed? Can other persons than the authors really present the findings better than the authors themselves?
- Finally, the IPCC needs a communication strategy that fully recognizes its true
 mandate, notably the fundamental role of providing policy relevant information
 based on current scientific understanding of climate change but not being
 policy prescriptive.

Chapter 2 Evaluation of IPCC's Assessment Processes

- 8. The IPCC should make the process and criteria for selecting participants for scoping meetings more transparent.
 - We support this recommendation.
 - But we wish to emphasize that expertise should remain the main criterion for selecting participants to scoping meetings.
 - Nevertheless, this has to be done while ensuring a balanced representation of expertise, regions and governments.
- 9. The IPCC should establish a formal set of criteria and processes for selecting Coordinating Lead Authors and Lead Authors.
 - We support this recommendation.
 - Expertise must be the main criterion for selecting Coordinating Lead Authors and Lead Authors while striving at a balanced representation of expertise and regions.
- 10. The IPCC should make every effort to engage local experts on the author teams of the regional chapters of the Working Group II report, but should also engage experts from countries outside of the region when they can provide an essential contribution to the assessment.
 - We support the recommendation.
 - If authors from developing countries should face obstacles to their work, e.g.
 insufficient access to the literature, measures should be envisaged to ensure
 sufficient support is made available to these authors or some support is even
 provided by IPCC itself.
- 11. The IPCC should strengthen and enforce its procedure for the use of unpublished and non-peer-reviewed literature, including providing more specific guidance on how to evaluate such information, adding guidelines on what types of literature are unacceptable, and ensuring that unpublished and non-peer-reviewed literature is appropriately flagged in the report.
 - Unpublished and non-peer-reviewed literature may be a source of information useful for the IPCC. Nevertheless, the scientific standards governing the use of such literature should be the same as those for the published peerreviewed literature.

- It should be noted that IPCC has used in the past already such guidance e.g. by requiring that not yet published literature is made available to reviewers during review rounds (see e.g. http://www.sysecol2.ethz.ch/AR4_Ch04/ and http://se-server.ethz.ch/Staff/af/AR4-Ch4_Grey_Lit/) and by requiring that any scientific articles are removed from the report if not yet accepted by a fixed date (e.g. AR4 that date was late 2006, for each WG different).
- We support the use of a written guidance on procedures for the choice and use of such literature that is made available to authors and that further efforts are made to enforce their adoption.
- Current rules do basically not allow to using unpublished works, since they
 violate the principle of transparency and are not open for outside reviews. This
 rule should be upheld.
- Authors need to have the freedom to make choices as best for their work, again based on thorough expert judgment, to ensure the inclusion of non-peer reviewed literature is based on careful considerations and is well justified.
- The scientific and informative nature of such literature should remain the main criterion for selecting any literature.

12. Lead Authors should explicitly document that a range of scientific viewpoints has been considered, and Coordinating Lead Authors and Review Editors should satisfy themselves that due consideration was given to properly documented alternative views.

- All previous IPCC assessments have considered the full range of scientific viewpoints on all issues under consideration by the IPCC. We basically believe that this recommendation is a good one and worth-considering.
- We wonder however, how much detail of such an explicit documentation can really be prepared by the authors and how it could be published. As part of the IPCC reports themselves we face a considerable risk of getting even more voluminous reports if they should contain detailed accounts of how statements were derived. Then we have to be careful how much of this information is made available to whom (e.g. is this documentation to be made available only within the IPCC process or to the general public, who and how to ensure its quality etc.).
- Concerning the "alternative views", our understanding is that the IPCC assessment process should consider all scientific views. Therefore, we wonder what is meant exactly by this concept of "alternative views" (e.g. will the IPCC assessment process leave out of its consideration some views that it will then document as "alternative views"? Because in that case the IPCC assessment process would not do what is expected to do, etc.).

13. The IPCC should revise its process for the approval of the Summary for Policy Makers so that governments provide written comments prior to the Plenary.

• We have much sympathy for this recommendation but we have some doubts about the way it could be practically implemented. We would like to state that the current process basically follows already the recommendation. It has to be recognized that this recommendation may mean an additional review round, because of its circular ("chicken and egg") nature: if governments provide prior to the Plenary detailed comments and wording proposals, the question is then how CLAs – or the experts in charge of the drafting of the SPM – respond to

these proposals and how then governments may respond themselves to such proposals, etc., and during the subsequent Plenary the situation would not be much different from the current one, since governments will certainly want and need to be able to respond to the CLAs responses. Since the IAC has not explicitly recommended to adding an additional review round, it is unclear how to actually implement the recommendation.

 Experience shows that during the approval of the SPM by the Plenary many comments arise as reaction to other comments and new proposed wording. This makes it impossible to plan and to foresee the final outcome of the Plenary and not allowing delegates to respond to the proposed changes would be counterproductive and possibly postpone any decision-making or even make the task impossible.

Chapter 3 IPCC's Evaluation of Evidence and Treatment of Uncertainty

- 14. Chapter Lead Authors should provide a traceable account of how they arrived at their ratings for level of scientific understanding and likelihood that an outcome will occur.
 - We support the recommendation but it has to be noticed that the derivation of conclusions from the information assessed is basically the aim of the text itself the authors write.
 - In some instances implementing the recommendation may prove very difficult, since traceability is often not even done in the original scientific literature which is very voluminous. For instance what does this mean if one averages the results of many climate or impact models? Listing all the references is done in IPCC reports and represents an humungous effort (e.g. Fischlin et al., 2007, Appendix 4.1, p. 250ff., http://www.ipcc.ch/pdf/assessment-report/ar4/wg2/ar4-wg2-chapter4.pdf).
 - Preparing an additional account would create new quality assurance issues.
- 15. The confidence scale should not be used to assign subjective probabilities to ill-defined outcomes.
 - We agree, the IPCC must always avoid any subjectivity.
 - In fact, there is no substantive evidence where such subjectivity should have entered IPCC reports and it would be necessary to undertake an important effort to establish it.
- 16. The likelihood scale should be stated in terms of probabilities (numbers) in addition to words to improve understanding of uncertainty.
 - We support this recommendation which could be easily implemented. However, several scientific studies on perception of uncertainties, notably in the context of risks (e.g. Patt et al., 2005; Lorenzoni et al., 2005), have shown that this is likely not to make a big difference, since subjective interpretations of probabilities and risks on the readers' side are prevalent (see: Patt, A. & Dessai, S., 2005. Communicating uncertainty: lessons learned and suggestions for climate change assessment. Geoscience, 337(4): 425-441, http://dx.doi.org/10.1016/j.crte.2004.10.004 Pa093 Lorenzoni, I., Pidgeon, N.

F., & O'Connor, R. E., 2005. Dangerous climate change: The role for risk research, Risk Anal., 25(6): 1387-1398. http://dx.doi.org/10.1111/j.1539-6924.2005.00686.xLo096).

17. Where practical, formal expert elicitation procedures should be used to obtain subjective probabilities for key results.

- In our view, no subjective probabilities for key results must enter the IPCC reports. Thus, in principle, no formal expert elicitation procedures are necessary.
- If we consider expert judgment then the report text has to provide such
 procedures and do it. At our knowledge, this is often done qualitatively through
 the text and it is rare that quantitative probability estimates results. If a metaanalysis is used to derive a quantification of probability it is normally fully
 documented in the IPCC reports. There are many of examples to document
 that in previous reports.

Chapter 4 Governance and Management

18. The term of the IPCC Chair should be limited to the timeframe of one assessment.

- We support the recommendation.
- The IPCC should ensure that geographical and gender balance is achieved in the course of the next assessment cycles.
- Seamless continuation of leadership and management has to be ensured
- 19. The IPCC should develop and adopt formal qualifications and formally articulate the roles and responsibilities for all Bureau members, including the IPCC Chair, to ensure that they have both the highest scholarly qualifications and proven leadership skills.
 - We support the recommendation.
 - The Chair of the IPCC should be a strong scientific personality with a thorough understanding of all major themes dealt with by the IPCC.
 - The Chair of the IPCC should also have managerial skills to manage the whole IPCC process with the support of the IPCC institutions, as well as diplomatic sense.

20. The terms of the Working Group Co-chairs should be limited to the timeframe of one assessment.

- We support the recommendation, however arrangements have to be taken in order the Chair is in office and fully operational till new Working Groups are established, i.e. actual work on next assessment report commences.
- The Co-chairs of the IPCC should be strong scientific personalities with a thorough understanding of all major climate change themes and a deep understanding of all major themes dealt with by their corresponding Working Group.

- The Co-chairs of the IPCC should also have managerial skills to manage their corresponding Working Group with the support of the IPCC institutions, as well as diplomatic sense.
- 21. The IPCC should redefine the responsibilities of key Secretariat positions both to improve efficiency and to allow for any future senior appointments.
 - We support the recommendation.
 - The Secretariat should establish a yearly working plan including managerial and budget aspects to be approved by the Executive Committee and the Plenary.
 - The relations with the Technical Support Units (TSUs) and the distribution of roles between Secretariat and TSUs should be part of the Secretariat's working plan.
 - The work of the Secretariat should be done by retaining the scientific freedom
 of TSUs to focus on scientific issues and to remain independent of any
 political interferences meddling with the scientific assessment.
 - In this context, the TSUs should establish a yearly working plan to be approved by the Executive Committee.

Chapter 5 Conclusions

- 22. The IPCC should develop and adopt a rigorous conflict of interest policy that applies to all individuals directly involved in the preparation of IPCC reports, including senior IPCC leadership (IPCC Chair and Vice Chairs), authors with responsibilities for report content (i.e., Working Group Co-chairs, Coordinating Lead Authors, and Lead Authors), Review Editors, and technical staff directly involved in report preparation (e.g., staff of Technical Support Units and the IPCC Secretariat).
 - We support this recommendation. We have no doubt that the main interest of all IPCC participants, officials and authors, should be to serve the information needs of governments and the general public while adhering to the highest standards of scientific integrity, scientific skills and expertise, including communication and managerial skills to perform work mandate by the IPCC.
 - The IPCC has to do efforts to involve, on the basis of the rules of the IPCC, the entire spectrum of scientists in a balanced manner, including outspoken so-called "skeptics", authors as well as reviewers with known one-sided interests. The work of all involved experts should be conducted on the basis of the IPCC rules and according to the highest scientific standards. Practical ways should be found to ensure, in a comprehensive and transparent manner, that all scientific views are represented in a balanced manner. The final goal of the IPCC should be to provide the best available i.e. inter alia: robust, sound, solidly researched, comprehensive, adequately representative, well balanced, policy relevant information on climate change to decision makers and the general public.

UNITED REPUBLIC OF TANZANIA

Comments on IAC Report

REVIEW OF THE PROCESSES AND PROCEDURES OF THE IPCC

By the InterAcademy Council

The select committee is commended for the good work done in reviewing the processes and procedures of the IPCC in the carrying out Assessment reports. The report which is very comprehensive has been produced by summarizing responses from many individual who at one time or the other have participated in the process of assessment reports. On the outset it is important to note that the select committee has commended the good work done by IPCC since it was formed about 20 years ago. During its lifetime the IPCC has created and sustained the global climate change awareness very effectively. The IPCC success story however, has come with criticisms from different quarters; which is healthy for the climate science. It is also important to note that the IPCC has been reviewing some of the processes and procedures surrounding its assessments in the period of its existence. The select committee however, faults the IPCC in the conservative management and governance structure nature since its formation; and they have come with a recommendation. The establishment of the Executive Committee is good but care should be exercised when defining its functions and responsibilities. For example, the Executive committee should operate within it given mandate as the select IAC committee has proposed.

Other recommendations given by the select IAC committee looks fine.

InterAcademy Council Committee Recommendations on the IPCC

Comments by the Government of the United States

 The comments that follow represent our initial views on the Report of the InterAcademy Council Committee on the IPCC Processes and Procedures. We look forward to engaging with other members of the Panel in the discussion about how to handle the IAC recommendations.

Initial Views on Overall Recommendations

The United States wishes to thank the InterAcademy Council (IAC) for its Committee report, "Climate Change Assessments: Review of the Processes and Procedures of the IPCC." The report is a comprehensive, thoughtful, and timely evaluation of the IPCC's procedures and management. We also would like to thank Secretary-General Ban Ki Moon and IPCC Chair Rajendra Pachauri for requesting the report.

The United States concurs with the basic conclusion of the IAC Committee that the IPCC assessment process has been successful overall and has served society well. We also concur that changes in IPCC processes and management are needed to ensure that future IPCC assessments are considered by the scientific and technical community-at-large to accurately reflect the state of knowledge with respect to the science of climate change and its responses, and by the international community to be as useful as they have been to date.

The United States notes that the InterAcademy Council report does not, in most instances, address the scientific content of IPCC reports. The United States reaffirms that the key findings of the IPCC's Fourth Assessment Report — which conclude with high confidence, that average global atmospheric temperature has risen, that human activities are very likely responsible for most of the warming, and that unchecked greenhouse gas emissions will lead to substantial increases in global average temperature over the course of this century, posing substantial risks to natural and human systems — are supported by a large body of scientific evidence and reflected in other major studies and high-quality assessments of climate science, most recently by the U.S. National Academy of Sciences. ¹

The United States believes that the majority of recommendations would lead to improvements in IPCC processes, and that they and the underlying issues raised by the IAC Panel should be considered by the full IPCC in an open, fully transparent manner starting at its meeting in Busan.

We note that the Committee focused, on the one hand, on IPCC's procedures, and on the other, on the leadership and management of the IPCC by the IPCC Secretariat and elected leadership.

With respect to IPCC procedures, the United States notes that the most significant deficiencies and mistakes that have been identified by the IAC would have been avoided by more careful application of the existing IPCC procedures and guidance in the context of the specific chapters and areas where

¹ Advancing the Science of Climate Change, America's Climate Choices, NRC 2010.

mistakes arose. These include, in particular: more careful application of procedures relating to the responsibilities of lead authors and review editors in the IPCC Principles and Procedures; more careful scrutiny of the use of non-published or non-peer reviewed sources of literature; and, in the case of the Working Group 2 volume of the Fourth Assessment Report, more careful application of guidance pertaining to uncertainty.

It is worth emphasizing, for the benefit of the many authors who labored to develop the assessments as well as those who use them, that the errors found in IPCC documents thus far appear to be relatively small in number and don't alter the key messages in the WG Summaries for Policy Makers and the Synthesis Report. Deficiencies in the application of IPCC procedures in no way appear to be pervasive across all volumes or chapters of the report, reflecting that development and review of the most recent assessment appears to have been undertaken in a careful and rigorous manner by most all authors and review editors, consistent with the letter and spirit of existing procedures for IPCC assessments. A lesson of the last year, however, is that even minor lapses in rigor in any one part of the report can impact, justifiably or not, how other parts of the report are viewed, underlining the necessity that Coordinating Lead Authors, Working Group Co-Chairs, and the Chair of the IPCC take the utmost care to ensure rigorous application of procedures across all chapters in the Fifth and subsequent assessment cycles.

With respect to issues pertaining to IPCC leadership and management, the United States believes that the Committee has identified issues that have led to inefficiencies or lapses in the degree to which IPCC practices have been rigorously applied, as well as problems regarding communication practices in past years. We believe these can and should be addressed by the Panel in the near term and have outlined our specific comments below.

Ultimately, IPCC reports are the product of many hundreds of volunteer scientists and subject experts in fields of relevance for climate change. The United States has, throughout the history of the IPCC, actively and – we believe – successfully promoted a highly qualified group of U.S. authors, reviewers, and chairs with diverse backgrounds and expertise. They and others from other countries who have contributed to the reports have provided a service that merits the recognition and appreciation of the international community.

Mode of Review

- The Panel should address the IAC recommendations in a manner that avoids any hint of conflict at its October session, with a view to responding to them by the 33rd IPCC session. Once the Panel has decided how to pursue any chosen reforms, some may need to be reflected in existing or planned documents (e.g., rules for election of the bureau, IPCC procedures, communication strategy).
- A number of the recommendations pertain to the functions of IPCC leadership and relate to the
 organization of the IPCC as an intergovernmental body. We believe that, for appearances of
 neutrality and assurances of avoiding conflict of interest, it is essential that the process to review

the IAC's recommendations be chaired by someone other than an elected member of the bureau, most appropriately by a government member of the Panel. The individual or individuals who chair the review response should not be individual bureau members, should be seen to have the highest integrity and standing, and should be selected and approved by the Panel in Busan.

Initial Views on Specific Recommendations

<u>Modernizing the Management Structure</u>: The Committee has identified a number of issues with the management structure of the IPCC and has put forward several recommendations that merit careful consideration.

Executive Committee: The United States agrees that a significant operational issue has been the execution and accountability of IPCC activities between meetings of the Panel. This has posed challenges, from our perspective, when significant issues that cut across Working Groups need resolution, and where issues of an unforeseen nature (such as the management of errata in the Fourth Assessment Report) were called for. We note that the Panel's review of the IPCC's functions undertaken in 2009 referred to the need for a management committee to operate between sessions. IPCC leadership has established an Executive Team to function between meetings, but this body does not have formal authority, which in our understanding has hampered its operations.

We support the idea of a more formalized Executive Committee, and consisting of the Chair, the Working Group Co-Chairs, with the head of the Secretariat playing a facilitative and convening role, and TSU heads present. For the purposes of transparency and accountability, we believe it will be useful and important that agenda and minutes be developed and approved by all members of the Executive Committee and made available to the Panel. It would also be appropriate to partition the specific responsibilities of the Chair, Co-Chairs, and Secretariat in more detail, to enhance accountability among leadership. We understand the E-Team has been helpful, but believe that formalization will address questions of accountability.

We have mixed views about inclusion of outsiders or other members in the Executive Committee, which is intended to manage and facilitate a process in a rapid and yet fully accountable manner. The concept of outsiders, put forward by the IAC, is more in line with a review function than an executive function. The Co-Chairs and Chair are responsible for delivering the major products of the assessment; one major responsibility of the Executive Committee is to ensure that all are accountable and empowered to advance the work of the assessment.

<u>Executive Director</u>: The Committee report suggests that a more senior Secretariat head who would be able to function at the level of a peer of the Working Group Co-Chairs, would be able to take on some of the functions that are currently held by the chair, in light of the part-time nature of the chairmanship. In this regard, the United States believes several considerations are relevant:

First, some of the functions described by the IAC committee appear to be equivalent to those of
the current Secretary, while the IAC also appears to suggest a greater role in a considerably
higher level of scientific outreach and communications, to respond to the enhanced demands in

this area. We see a number of ways of meeting enhanced demands in the communications area, for example, by empowering Coordinating Lead Authors and Working Group Co-Chairs to speak on issues within their aegis.

- Second, we would not support an elected Executive Director. Though the IAC report is not
 explicit about its reasons for moving to an elected Executive Director, it refers to creating an
 Executive Director that is a peer of the Co-Chairs, perhaps making this individual more
 accountable to the Panel. It is not clear to us that such an approach will lead to greater
 accountability or improved management. The implications of elected senior officials of co-equal
 stature, but one paid and others unpaid, as envisioned in the IAC report, would be problematic.
 In addition, we note that only the heads of independent organizations are elected.
- Third, the locus of scientific work relating to the development of Working Group assessments occurs under the aegis of technical support units that are established by the Co-Chairs and that are responsible for delivering the reports. We think that this approach is better than one that seeks to centralize such functions in Geneva. We note that the IAC agrees with the findings of the recent task group that the Secretariat be primarily administrative and corporate in nature.

We would support a review of the functions and responsibilities of the Secretary position in light of the IAC report, as well as the nature of the search and approval process and the terms for individuals to serve. For example, an Executive Committee could have a role in the appointment of the Secretary, and the Secretary could be explicitly accountable to the Executive Committee as well as the Panel.

Conflict of Interest and Disclosure: The recommendations of the IAC Committee on conflict of interest are useful and important and should be taken up by the Panel. We support the development of a rigorous conflict of interest policy and code of conduct that applies to elected IPCC officers and staff. It may be important to consider additional issues beyond conflict of interest, which most often is limited to a focus on an individual's financial interests. In addition, the concept of bias should be more clearly articulated in the official procedures of IPCC – the issue of bias is whether a group is properly constituted *relative to the specific charge to that group*. Given the very large personal burdens borne by IPCC volunteers, who donate hundreds to thousands of hours of their own time to IPCC reports, it is especially important to note the "appropriate balance between the need to minimize the burden on IPCC volunteers and the need to ensure the credibility of the process" as a matter of priority by the Panel.

<u>Term of the IPCC Chair, Co-Chairs, and Secretariat Head:</u> This has pros and cons, particularly regarding how to ensure institutional memory. Limits placed on the length of service for executive heads and senior leaders are an effective management tool and widely used in many international organizations. The United States concurs with the IAC's concern that the IPCC or one of its Working Groups could become too identified with a single individual, and consider it will be important that the IPCC address this issue in taking up the recommendations. In this light, this recommendation, along with other ways

to address such a concern (e.g., by allocating communication responsibilities more broadly among IPCC leadership), should be considered.

Strengthening the Review Process: We underscore the importance of the review editors exercising their authority, which is to "ensure that all substantive expert and government review comments are afforded appropriate consideration, advise lead authors on how to handle contentious/controversial issues and ensure genuine controversies are reflected adequately in the text of the Report." (IPCC principles and procedures). The IPCC principles and procedures mandate that "responsibility for the final text remains with the Lead Authors", which requires communication between Review Editors and Lead Authors. As the IAC Committee report indicates, adequate review of comments in the AR4 most likely would have resulted in addressing the mistakes identified. From the standpoint of minimizing errata, this is one of the most important recommendations in the report. We're still giving consideration to the IAC's specific recommendations, but understand that guidance has been developed for the review editors' use for the upcoming special reports, and are interested in these guidelines as a potential way of addressing this issue.

Characterizing and Communicating Uncertainties: The analysis of the ways that uncertainties are treated in the three Working Groups is helpful. This is a complicated topic and it is important not to set standards regarding treatment of uncertainties that limit the ability to communicate important findings of the different Working Groups. We support the premise that Working Groups should use the qualitative level of understanding scale as a minimum standard that should be supplemented by quantitative probability scales where there is sufficient evidence to do so and the basis for assigning a probability can be documented. There should also be documentation of how chapter lead authors have arrived at their ratings for levels of scientific understanding that an outcome will occur. Although it is well established that individuals interpret the words in a likelihood scale very differently, it may not always be beneficial to describe likelihoods in terms of both probabilities (numbers) as well as words because of the impact on readability. We note that the Co-Chairs held a meeting on treatment of uncertainty in July, and that a new guidance paper will be finalized in the next few months.

<u>Communications Strategy:</u> We concur that the IPCC should craft and implement a communications strategy that emphasizes transparency, rapid and thoughtful responses, and relevance to stakeholders, and which includes guidelines about who can speak on behalf of IPCC and how to represent the organization appropriately. We believe that a standard operating procedure for addressing errata that is easily explained and understood will be essential in the future. We are cautious about the development of assessment documents bearing the IPCC logo that have not been through the kind of rigorous review that current assessments undergo. In this regard, we would note that the process for developing FAQs as an explicit component included in the Working Group assessments offers a useful approach could be implemented by all Working Groups.

We strongly agree with the IAC's recommendation and underscore the importance of IPCC leadership's not being seen as taking advocacy positions. Ultimately, policy neutrality is one of the characteristics that gives the IPCC its unique authority, and concur with the report that straying into advocacy can only hurt the IPCC's credibility. We think it's useful to consider whether this guidance can be developed so

that it is clear to all IPCC leadership that they serve a particular role as long as they are in elected IPCC positions.

<u>Transparency</u>: The United States has supported transparent processes for the selection of authors and development of assessments, both at the international level and in its own domestic author nomination and official review.

<u>Clarifying the Use of Unpublished and Non-peer-reviewed Literature</u>: We support the IAC committee's proposal to provide more specific guidance on how to evaluate such information, adding guidelines on what types of literature are unacceptable, and ensuring that unpublished and non-peer-reviewed literature is dealt with in a transparent manner. This should start with a more complete analysis of the use of grey literature in each of the Working Groups and the implications of using unpublished and non-peer-reviewed literature in different contexts (e.g., for impacts versus responses).

<u>Engaging the Best Regional Experts</u>: We agree with this recommendation. The Working Group 2 regional meetings are intended to build capacity in assessments in low and middle income countries. The IPCC could be encouraged to do this across the Working Groups and to hold such meetings between assessments.

Expediting Approval of the Summary for Policy Makers (SPM): The suggestions to provide written comments prior to the SPM approvals could help to expedite SPM approvals. Experience has indicated that it is likely that an iterative process of the kind that currently exists will be necessary for government "approval," in the current application of this term in the IPCC Procedures. The IPCC Procedures make a distinction between the SPMs, which are "approved" by governments – statements that have their implicit support – and the body of the report, which is "accepted" from authors by governments, and is expressly the responsibility of the authors. The vast majority of comments made in the SPM process relate to the accuracy of statements in draft IPCCs, and it is important to governments that for those documents that are considered "approved" that phrasing be seen as accurate.

Reducing the Growing Burden on the Scientific Community: The United States understands and appreciates the effort that the science community puts into the development of IPCC reports. We consider that comprehensive assessments have been an important and authoritative contribution to climate science. We believe periodic assessments will continue to be important, and may very well grow in importance as climate change rises on domestic and international political agendas and the response effort becomes more prominent.

Renate Christ Secretary of IPCC

Ref. your 7029-10/IPCC/GEN: Subject: Comments on IAC review

Dear Mrs. R.Christ

In response to your request about consideration of "Review of the Processes and Procedures of the IPCC" prepared by InterAcademy Council I would like to inform you that the Government of the Republic of Uzbekistan has no remarks and comments to recommendations of InterAcademy Council on the improvement of IPCC activities and process of performance of assessment of IPCC activities.

Sincerely yours

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Prof. V.E.Chub

Minister Director General of Uzhydromet IPCC National Coordinator