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**Ad Hoc Working Group on Long-term Cooperative Action
under the Convention**

Thirteenth session

Cancun, 29 November 2010—*

Item 3 of the provisional agenda

**Preparation of an outcome to be presented to the Conference of the Parties
for adoption at its sixteenth session to enable the full, effective and sustained
implementation of the Convention through long-term cooperative action now,
up to and beyond 2012**

Possible elements of the outcome

Note by the Chair

* To continue for as long as necessary, as per document FCCC/AWGLCA/2010/3, paragraph 25.

Contents

	<i>Page</i>
Introduction	4
Chapters	
I. A shared vision for long-term cooperative action.....	6
II. Enhanced action on adaptation.....	6
III. Enhanced action on mitigation.....	9
A. Nationally appropriate mitigation commitments or actions by developed country Parties	9
B. Nationally appropriate mitigation actions by developing country Parties.....	9
C. Policy approaches and positive incentives on issues relating to reducing emissions from deforestation and forest degradation in developing countries; and the role of conservation, sustainable management of forests and enhancement of forest carbon stocks in developing countries.....	9
D. Cooperative sectoral approaches and sector-specific actions, in order to enhance implementation of Article 4, paragraph 1(c), of the Convention.....	11
E. Various approaches, including opportunities for using markets, to enhance the cost-effectiveness of, and to promote, mitigation actions, bearing in mind different circumstances of developed and developing countries	12
F. Economic and social consequences of response measures	13
IV. Finance, technology and capacity-building	14
A. Finance	14
B. Technology development and transfer	15
C. Capacity-building.....	17
V. Review	18
Annexes	
I. Proposed functions of an Adaptation Committee	19
II. Proposed functions for arrangements to address loss and damage.....	20
III. Principles and safeguards for policy approaches and positive incentives on issues relating to reducing emissions from deforestation and forest degradation in developing countries; and the role of conservation, sustainable management of forests and enhancement of forest carbon stocks in developing countries	21
IV. Subsidiary Body for Scientific and Technological Advice work programme on policy approaches and positive incentives on issues relating to reducing emissions from deforestation and forest degradation in developing countries; and the role of conservation, sustainable management of forests and enhancement of forest carbon stocks in developing countries.....	23
V. Principles to guide various approaches, including opportunities for using markets, to enhance the cost-effectiveness of, and to promote, mitigation actions.....	24
VI. Scope of a forum on the impact of the implementation of response measures.....	25

VII. Eligible technology development and transfer activities and/or outcomes of activities.....	27
VIII. Composition and mandate of the Technology Executive Committee	28
IX. Functions of the Climate Technology Centre and Network	31
X. Indicative list of national and international cooperative actions to enhance technology development and transfer Functions of the Climate Technology Centre and Network.....	31
X. Capacity-building activities.....	31

Introduction

1. During the twelfth session of the Ad Hoc Working Group on Long-term Cooperative Action under the Convention (AWG-LCA) in Tianjin, the Chair of the AWG-LCA consulted Parties on their expectations for the outcome to be presented to the Conference of the Parties (COP) for adoption at its sixteenth session, to be held in Cancun, Mexico, and its elements. These consultations revealed that a balanced package can be achieved at Cancun and that the contours of a comprehensive, although not exhaustive, package are emerging.
2. The negotiating text contained in document FCCC/AWGLCA/2010/14 is before the AWG-LCA at its thirteenth session. In addition, the draft texts reflecting progress made by the drafting groups on elements of the negotiating text during the twelfth session of the AWG-LCA are contained in document FCCC/AWGLCA/2010/INF.1.
3. This document contains the results of an effort by the Chair, under her own responsibility, to elaborate possible elements of the outcome to help the negotiations move forward and to contribute to the resolution of outstanding issues. This document draws on the results of the consultations in Tianjin on elements of the outcome, on the information contained in the documents before the AWG-LCA at its thirteenth session, as well as on the negotiations at previous sessions.
4. This document is made available to Parties in the hope that it will facilitate convergence on an outcome to be presented to the Conference of the Parties at its sixteenth session.
5. As stated in her scenario note, the Chair is of the view that the appropriate way for the AWG-LCA to present its outcome to the COP at its sixteenth session would be through one draft decision that encompasses the full scope of the outcome of the work of the AWG-LCA. The document contains possible elements for such a decision.
6. The Chair notes that the Chair of the Ad Hoc Working Group on Further Commitments for Annex I Parties under the Kyoto Protocol (AWG-KP) has indicated in his scenario note that he intends to present elements in the form of a decision of the Conference of the Parties serving as the Meeting of the Parties to the Kyoto Protocol that covers the full scope of the outcome of the AWG-KP in a balanced manner.
7. The elements of the outcome are not all fully elaborated in this document. For mitigation (sections III.A and III.B) the elements from the Tianjin consultations are simply listed while for finance (section IV.A) a list of bullets outlining options is offered. For the remaining elements fully elaborated paragraphs are presented with specific and detailed aspects placed in annexes to improve readability and visibility of the elements of the outcome.
8. The consultations in Tianjin on the outcome revealed that there had emerged a shared desire for a balanced outcome in Cancun across all elements of the Bali Action Plan that will not prejudice prospects for, or the content of, a legally-binding outcome in the future and that respects the two-track approach. The elements of such a package would need to be advanced to a comparable level of detail. The elements elaborated in this document will not alone provide the desired balance. Such a balance can be achieved by elaborating the remaining elements in the course of the thirteenth session. The Chair is prepared to offer possible ways of taking forward the sections on mitigation and measurement, reporting and verification (sections III.A and III.B) during the session.
9. The Chair will continue to respond to Parties' call for the Chair to lead and guide the work of the AWG-LCA and to help Parties in resolving outstanding issues and will offer

ways to further elaborate the elements of the outcome during the session as the AWG-LCA moves closer and closer to the desired balance.

I. A shared vision for long-term cooperative action

The Conference of the Parties,

1. *Affirms* that Parties share a vision for long-term cooperative action that is to guide and enhance the full, effective and sustained implementation of the Convention, now, up to and beyond 2012, in order to achieve its objective as set out in its Article 2, on the basis of equity and in accordance with common but differentiated responsibilities and respective capabilities. This vision addresses mitigation, adaptation, finance, technology development and transfer, and capacity-building in a balanced, integrated and comprehensive manner, giving equal weight and priority to action on adaptation and mitigation, and will be realised through *inter alia*:

(a) Scaled-up overall mitigation efforts which allow for the achievement of desired stabilization levels;

(b) Addressing adaptation as a challenge faced by all Parties, taking into account the urgent and immediate needs of developing country Parties, especially those that are particularly vulnerable to the adverse effects of climate change;

(c) Mobilization and provision of scaled-up, new, additional, adequate and predictable financial resources;

(d) Scaling up of the development and transfer of environmentally sound technologies and accelerated action consistent with the principles of the Convention, at different stages of the technology cycle, in support of action on mitigation and adaptation;

(e) Enhancing capacity-building support to developing country Parties with the objective of building, developing, strengthening, improving and enhancing subnational, national or regional capacities, skills, capabilities and institutions to enable developing country Parties to effectively address climate change;

2. *Recognizes* that deep cuts in global emissions are required according to science, and as documented in the Fourth Assessment Report of the Intergovernmental Panel on Climate Change, with a view to reducing global greenhouse gas emissions so as to hold the increase in global average temperature well below 2 degrees Celsius above pre-industrial levels, and *decides* that Parties should take urgent action to meet this objective consistent with science, on the basis of equity, taking into account historical responsibilities and equitable access to global atmospheric space, and *resolves* to consider, in the review outlined in paragraphs 77 and 79 below, lower stabilization levels, the timing for peaking of global emissions and the required reductions of greenhouse gas emissions;

II. Enhanced action on adaptation

3. *Acknowledges* that adaptation is a challenge faced by all Parties and that enhanced action and international cooperation on adaptation is urgently required to enable and support the implementation of adaptation actions aimed at reducing vulnerability and building resilience in developing country Parties, taking into account the urgent and immediate needs of those developing country Parties that are particularly vulnerable to the adverse effects of climate change;

4. *Affirms* that enhanced action on adaptation should be undertaken in accordance with the Convention; follow a country-driven, gender-sensitive, participatory and fully transparent approach, taking into consideration vulnerable groups, communities and ecosystems; and be based on and guided by the best available science and, as appropriate,

traditional knowledge; with a view to integrating adaptation into relevant social, economic and environmental policies and actions, where appropriate;

5. *Establishes* an Adaptation Framework encompassing the provisions laid out below with the objective of enhancing action on adaptation, including through international cooperation, and coherent consideration of matters relating to adaptation under the Convention;

6. *Invites* all Parties to enhance action on adaptation, taking into account their common but differentiated responsibilities and respective capabilities, and specific national and regional development priorities, objectives and circumstances, by undertaking, inter alia:

(a) Planning, prioritizing and implementing adaptation actions, including projects and programmes,¹ and actions identified in national and subnational adaptation plans and strategies, national adaptation programmes of action of the least developed countries, national communications, technology needs assessments and other relevant national planning documents;

(b) Impact, vulnerability and adaptation assessments, including assessments of financial needs as well as economic, social and environmental evaluation of adaptation options;

(c) Strengthening institutional capacities and enabling environments for adaptation, including for climate-resilient development and vulnerability reduction;

(d) Building resilience of socio-economic and ecological systems, including through economic diversification and sustainable management of natural resources;

(e) Enhancing climate change related disaster risk reduction strategies, taking into consideration the Hyogo Framework for Action² where appropriate, early warning systems, risk assessment, and management and sharing and transfer mechanisms, such as insurance, at local, national, subregional and regional levels, as appropriate;

(f) Measures to enhance understanding, coordination and cooperation with regard to climate change induced displacement, migration and planned relocation, where appropriate, at national, regional and international levels;

(g) Research, development, demonstration, diffusion, deployment and transfer of technologies, practices and processes; and capacity-building for adaptation, with a view to promoting access to technologies, in particular in developing country Parties;

(h) Strengthening data, information and knowledge systems, education and public awareness;

(i) Improving climate-related research and systematic observation for climate data collection, archiving, analysis and modelling in order to provide decision makers at national and regional levels with improved climatic-related data and information;

7. *Decides* to establish a process to enable least developed country Parties and other interested developing country Parties that are particularly vulnerable to the adverse effects of climate change to formulate and implement national adaptation plans, building upon the experience of the least developed country Parties in preparing and implementing national adaptation programmes of action, as a means of identifying medium and long-term adaptation needs and developing and implementing strategies and programmes to address those needs;

¹ Including in the areas of water resources; health; agriculture and food security; infrastructure; socio-economic activities; terrestrial, freshwater and marine ecosystems; and coastal zones.

² <<http://www.unisdr.org/eng/hfa/hfa.htm>>.

8. *Requests* the Subsidiary Body for Implementation to elaborate modalities and guidelines for the formulation of the above-mentioned national adaptation plans, for adoption by the Conference of the Parties at its seventeenth session;

9. *Requests* developed country Parties to provide developing country Parties with the necessary finance, technology, and capacity-building, consistent with chapter IV of this decision, to implement urgent, short-, medium- and long-term adaptation actions, plans, programmes and projects at local, national, subregional and regional levels, in and across different economic and social sectors and ecosystems, as well as to undertake the activities referred to in paragraphs 6 and 7 above and paragraphs 13, 15 and 16 below;

10. *Decides* that the modalities for the operation of the new fund established under the Convention, as referred to in section IV.A should be developed with a view to simplifying access to financial support for adaptation and making it expeditious and direct, with priority given to particularly vulnerable developing country Parties;

Note: Various institutional options have been identified for the implementation of the Adaptation Framework and to promote coherence on matters related to adaptation under the Convention, including the option of establishing an Adaptation Committee to fulfill the functions listed in Annex I. The issue of institutional arrangements for the Adaptation Framework needs to be resolved by the AWG-LCA at its thirteenth session.

11. *Recognizes* the need to strengthen international cooperation and expertise to understand and reduce loss and damage associated with the adverse effects of climate change, including impacts related to extreme weather events and slow onset events;³

12. *Requests* the AWG-LCA to consider arrangements to address loss and damage associated with climate change impacts in developing countries that are particularly vulnerable to the adverse effects of climate change, including arrangements related to risk management and risk sharing and transfer mechanisms such as insurance, as appropriate; taking into account the proposed functions contained in Annex II and to make recommendations on this matter to the Conference of the Parties for its consideration at its seventeenth session;

13. *Invites* Parties to strengthen and, where necessary, establish regional centres and networks, in particular in developing countries, with support from developed country Parties and relevant organizations, as appropriate; to facilitate and enhance national and regional adaptation actions, in a manner that is country-driven, encourages cooperation and coordination between regional stakeholders and improves the flow of information between the Convention process and national and regional activities;

14. *Notes* that an international centre to enhance adaptation research and coordination could also be established in a developing country;

15. *Invites* all Parties to strengthen and, where necessary, establish and/or designate national-level institutional arrangements, with a view to enhancing work on the full range of adaptation actions from planning to implementation;

16. *Decides* that all Parties should use existing channels to provide information, as appropriate, on support provided and received for adaptation actions in developing countries pursuant to Article 12, paragraph 3, of the Convention and on activities undertaken, including progress made, experiences and lessons learned, with a view to identifying insufficiencies and discrepancies of support and to ensure transparency and mutual accountability;

³ Including sea level rise, increasing temperatures, ocean acidification, glacial retreat and related impacts, salinization, land and forest degradation, loss of biodiversity and desertification.

17. *Invites* relevant multilateral, international, regional and national organizations, the public and private sectors, civil society and other relevant stakeholders to undertake and support enhanced action on adaptation at all levels, including under the Adaptation Framework, as appropriate, in a coherent and integrated manner, building on synergies among activities and processes, and to make available information on the progress made;

18. *Requests* the secretariat to support the implementation of the Adaptation Framework, including related institutional arrangements under the Convention, in accordance with its mandate and subject to the availability of resources;

III. Enhanced action on mitigation

A. Nationally appropriate mitigation commitments or actions by developed country Parties

The elements of the outcome are listed here as presented by the Chair at the twelfth session of the AWG-LCA⁴

- Economy-wide emission reduction commitments or actions by developed country Parties;
- Measurement, reporting and verification for developed country Parties' commitments or actions;
- Measurement, reporting and verification of support;

B. Nationally appropriate mitigation actions by developing country Parties

The elements of the outcome are listed here as presented by the Chair at the twelfth session of the AWG-LCA⁴

- Nationally appropriate mitigation actions by developing country Parties;
- Measurement, reporting and verification for developing country Parties' nationally appropriate mitigation actions;
- Measurement, reporting and verification of support;

C. Policy approaches and positive incentives on issues relating to reducing emissions from deforestation and forest degradation in developing countries; and the role of conservation, sustainable management of forests and enhancement of forest carbon stocks in developing countries

19. *Encourages* all Parties to find effective ways to reduce the human pressure on forests that results in greenhouse gas emissions;

20. *Affirms* that the implementation of the activities referred to in paragraph 21 below should be carried out in accordance with the principles referred to in paragraph 1 of annex III to this decision, and that the safeguards referred to in paragraph 2 of annex III to this decision should be promoted and supported;

⁴ <http://unfccc.int/resource/docs/awglca/possible_elements_of_the_cancun_outcome.pdf>.

21. *Decides* that Parties should contribute to mitigation actions in the forest sector by undertaking the following activities in accordance with the principles and safeguards referred to in annex III to this decision:

- (a) Reducing emissions from deforestation;
- (b) Reducing emissions from forest degradation;
- (c) Conservation of forest carbon stocks;
- (d) Sustainable management of forest;
- (e) Enhancement of forest carbon stocks;

22. *Requests* developing country Parties aiming to undertake the activities referred to in paragraph 21 above, provided that support is made available, in accordance with national circumstances and respective capabilities, to develop the following elements:

- (a) A national strategy or action plan;
- (b) A national forest reference emission level and/or forest reference level, or, if appropriate, subnational forest reference emission levels and/or forest reference levels, taking into account provisions contained in decision 4/CP.15 and any further elaboration of those provisions adopted by the Conference of the Parties;
- (c) A robust and transparent national forest monitoring system for the monitoring and reporting of the activities referred to in paragraph 21 above, and the safeguards referred to in paragraph 2 of annex III to this decision, with, as appropriate, subnational monitoring and reporting as an optional interim measure,⁵ in accordance with the provisions contained in decision 4/CP.15 and any further elaboration of those provisions agreed by the Conference of the Parties;

23. *Requests* developing country Parties, when developing and implementing their national strategies or action plans, to address, inter alia, drivers of deforestation and forest degradation, land tenure issues, forest governance issues, gender considerations and the safeguards identified in paragraph 2 of annex III to this decision, ensuring the full and effective participation of relevant stakeholders, inter alia, indigenous peoples and local communities;

24. *Decides* that the activities undertaken by Parties referred to in paragraph 21 above should be implemented in phases beginning with the development of national strategies or action plans, policies and measures and capacity-building, followed by the implementation of national policies and measures and national strategies or action plans that could involve further capacity-building, technology development and transfer and results-based demonstration activities, and evolving into results-based actions that should be fully measured, reported and verified;

25. *Recognizes* that the implementation of the activities referred to in paragraph 21 above, including the choice of a starting phase as referred to in paragraph 24 above, depends on the specific national circumstances, capacities and capabilities of each developing country Party and the level of support received;

26. *Requests* the Subsidiary Body for Scientific and Technological Advice to develop a work programme on the matters referred to in annex IV to this decision;

27.

Option 1:

⁵ Including monitoring and reporting of emissions displacement at the national level, and reporting on how displacement of emissions is being addressed.

Requests the promotion and implementation of all the activities referred to in paragraphs 21 and 22 above, including consideration of the safeguards referred to in annex III to this decision, and early action, be supported in accordance with paragraph 1 of annex III to this decision and relevant provisions agreed by the Conference of the Parties, including:

- (a) For enhanced action on the provision of financial resources and investment;
- (b) For various approaches, including opportunities for using markets, to enhance the cost-effectiveness of, and to promote, mitigation actions; for results-based actions, a flexible combination of funds and market-based sources subject to modalities to be agreed by the Conference of the Parties at its [X] session;
- (c) Through existing bilateral and multilateral channels;

Option 2:

Urges Parties, in particular Parties included in Annex II to the Convention, to support, through existing bilateral and multilateral channels, the development of national strategies or action plans, policies and measures and capacity-building, followed by the implementation of national policies and measures, and national strategies or action plans, as appropriate, subnational strategies, including consideration of the safeguards referred to in paragraph 2 of annex III to this decision, taking into account the relevant provisions on finance;

Requests AWG-LCA to explore financing options, inter alia, funds and market-based sources or a flexible combination thereof, for the full implementation of the results-based actions referred to in paragraph 24 above, and to report on progress made, including any recommendations for draft decisions on this matter, to the Conference of the Parties at its seventeenth session;

28. *Requests* Parties to ensure coordination of the activities referred to in paragraph 21 above, including of the related support, particularly at the national level;

29. *Invites* relevant international organizations and stakeholders to contribute to the activities referred to in paragraphs 21 and 28 above;

D. Cooperative sectoral approaches and sector-specific actions, in order to enhance implementation of Article 4, paragraph 1(c), of the Convention

Bearing in mind the need to improve the efficiency and productivity of agricultural production systems in a sustainable manner;

Recognizing the interests of small and marginal farmers, the rights of indigenous peoples and traditional knowledge and practices, in the context of applicable international obligations and taking into account national laws and national circumstances;

Recognizing that cooperative sectoral approaches and sector-specific actions in the agriculture sector should take into account the relationship between agriculture and food security, the link between adaptation and mitigation and the need to safeguard that these approaches and actions do not adversely affect food security;

Affirming that cooperative sectoral approaches and sector-specific actions in the agriculture sector should not constitute a means of arbitrary or unjustifiable discrimination or a disguised restriction on international trade, in accordance with Article 3, paragraph 5, of the Convention;

30. *Decides* that cooperative sectoral approaches and sector-specific actions should be consistent with the relevant provisions and principles of the Convention, in particular the principle of common but differentiated responsibilities, and that it may be useful for Parties to explore these approaches and actions further;
31. *Decides* that all Parties, with respect to the agriculture sector and taking into account their common but differentiated responsibilities and their specific national and regional development priorities, objectives and circumstances, should promote and cooperate in the research, development, including transfer, of technologies, practices and processes that control, reduce or prevent anthropogenic emissions of greenhouse gases, particularly those that improve the efficiency and productivity of agricultural systems in a sustainable manner and those that could support adaptation to the adverse effects of climate change, thereby contributing to safeguarding food security and livelihoods;
32. *Requests* the Subsidiary Body for Scientific and Technological Advice to establish, at its thirty-fourth session, a programme of work on agriculture to enhance the implementation of Article 4, paragraph 1(c), of the Convention, taking into account paragraph 31 above;
33. *Invites* Parties to submit to the secretariat, by 22 March 2011, their views on the content and scope of the work programme;
34. *Requests* the secretariat to compile these views into a miscellaneous document for consideration by the Subsidiary Body for Scientific and Technological Advice at its thirty-fourth session;
35. *Recognizes* that the limitation and reduction of emissions of greenhouse gases not controlled by the Montreal Protocol from international aviation and maritime transport should be pursued working through ICAO and IMO, respectively, setting global emission reduction targets on a scale consistent with the long-term global goal as defined in paragraph 2 above;
36. *Further recognizes* that global policy frameworks should be developed without delay by ICAO and IMO, taking into account the principles and provisions of the Convention and in accordance with their respective principles and customary practices, provided that the implementation of such policy frameworks would not lead to competitive distortions or carbon leakage and that revenues generated would support mitigation and adaptation actions in developing countries;
37. *Invites* ICAO and IMO to report to the Conference of the Parties, at its seventeenth session, and to its subsidiary bodies, as appropriate, and at regular intervals thereafter, on their activities, policy approaches and measures relevant to paragraph 35 above;

E. Various approaches, including opportunities for using markets, to enhance the cost-effectiveness of, and to promote, mitigation actions, bearing in mind different circumstances of developed and developing countries

38. *Affirms* that various approaches, including opportunities for using markets, to enhance the cost-effectiveness of, and to promote, mitigation actions, should be guided by the principles set out in annex V to this decision;
39. *Decides* to consider, at its seventeenth session, the establishment, as a market-based approach, of one or more mechanisms, in accordance with, inter alia, the principles referred to in paragraph 38 above;

40. *Requests* AWG-LCA to undertake further work on the mechanisms referred to in paragraph 39 above, with a view to recommending draft decisions to the Conference of the Parties for adoption at its seventeenth session;
41. *Invites* Parties and accredited observer organizations to submit to the secretariat, by 22 March 2011, their views on the matters referred to in paragraph 40 above;
42. *Undertakes*, in developing and implementing any mechanisms as referred to in paragraph 39 above, to maintain, build upon and improve existing mechanisms, including those established under the Kyoto Protocol;
43. *Decides* to consider, at its seventeenth session, the establishment, as a non market based approach, of one or more mechanisms, in accordance with, inter alia, the principles referred to in paragraph 38 above;
44. *Requests* the AWG-LCA to undertake further work on the mechanisms referred to in paragraph 43 above, with a view to recommending draft decisions to the Conference of the Parties for adoption at its seventeenth session;
45. *Invites* Parties and accredited observer organizations to submit to the secretariat, by 22 March 2011, their views on the matters referred to in paragraph 44 above;
46. *Invites* Parties and accredited observer organizations to submit to the secretariat, by 22 March 2011, information on the evaluation of various approaches in enhancing the cost-effectiveness of, and promoting, mitigation actions, including activities implemented jointly under Article 4, paragraph 2(a), of the Convention and any other relevant activities;
47. *Encourages* Parties and intergovernmental organizations to pursue readiness activities, including capacity-building initiatives in developing country Parties, to enable participation in various approaches aiming at promoting mitigation actions;

F. Economic and social consequences of response measures

48. *Recognizes* that addressing unintended side effects of implementing climate change response measures is a challenge faced by all Parties and that enhanced action and international cooperation on the impact of the implementation of response measures is required to further knowledge and understanding of the matter and to minimize the adverse impacts on the developing country Parties listed in Article 4, paragraphs 8, 9 and 10, of the Convention, thus responding to the specific needs of those countries and helping to reduce vulnerability and build resilience in the affected countries and their respective economies;
49. *Affirms* that enhanced action on the impact of the implementation of response measures should be undertaken in accordance with the Convention, in particular, with Articles 2, 3 and 4, taking into consideration vulnerable groups, economies and sectors, and be based on and guided by the best available science, with a view to integrating response measure related aspects into relevant economic, environmental and social policies and actions, where appropriate, and building on existing arrangements and the work of expert groups;
50. *Decides* that policies and measures taken by developed country Parties to combat climate change should not constitute a means of arbitrary or unjustifiable discrimination or a disguised restriction on international trade, in line with Article 3, paragraph 5, of the Convention, against developing country Parties, based on the legitimate needs of developing country Parties to achieve sustained economic growth and eradication of poverty;
51. *Urges* developed country Parties to strive to implement policies and measures to respond to climate change in such a way as to avoid consequences for developing country

Parties, taking into account Article 3 of the Convention, to assist these Parties in addressing such consequences, by providing support, including financial resources, in accordance with Article 4 of the Convention, and to ensure a just transition of the workforce and economies;

52. *Decides* to provide a forum on the impact of the implementation of response measures and to that end requests the Chairs of the SBSTA and the SBI to convene a forum at the thirty-fourth and thirty-fifth sessions of these bodies, with the objective of developing a work programme under the subsidiary bodies to address the impact of the implementation of response measures, taking into account the elements included in annex VI to this decision with a view to adopting, at the seventeenth session of the Conference of the Parties, modalities for the operationalization of the work programme;

53. *Invites* Parties and relevant intergovernmental organizations to submit to the secretariat, by 28 March 2011 their views on the issues referred to in paragraph 52 above for consideration by the SBI and the SBSTA at their thirty-fourth sessions of the subsidiary bodies;

IV. Finance, technology and capacity-building

A. Finance

*The elements of the outcome presented here are further elaboration of the elements presented by the Chair at the twelfth session of the AWG-LCA.*⁶

- Scaled up, new and additional, adequate and predictable funding shall be provided to developing country Parties;
- Recognize the commitment made by developed country Parties to provide new and additional resources approaching USD 30 billion for the period 2010–2012 with balanced allocation between adaptation and mitigation and encourages them to report on its delivery in a transparent manner on an annual basis;
- Launch a process to mobilize sources of long-term finance to arrive at a level of USD 100 billion per annum by 2020 and consider the feasibility of mobilizing financial resources beyond this level, building on the findings of the High-Level Advisory Group on Climate Change Financing;
- Option 1: To establish the XX fund under the Convention
Option 2: That a new fund will be established
to support projects, programmes, policies and other activities related to mitigation, REDD-plus, adaptation, capacity-building and technology development and transfer in developing country Parties using thematic funding windows;
- Option 1: The Board of the new fund shall be the operating entity of the fund;
Option 2: The new fund shall be an operating entity of the financial mechanism of the Convention;
- The New fund shall be governed by a board comprising an equal number of members from developing and developed country Parties;
- The World Bank is invited to serve as the interim trustee of the fund, subject to a review after one year of operationalization of the new fund;

⁶ <http://unfccc.int/resource/docs/awglca/possible_elements_of_the_cancun_outcome.pdf>.

- The operations of the fund shall be supported by an independent or a contracted secretariat. The XX is invited to be the interim secretariat for the design phase of the new fund;
- *Option 1:* To establish an Ad Hoc Committee of XX members⁷ nominated by the COP with the necessary experience and skills with balanced and equitable representation to design and operationalize the XX fund, including *inter alia* its rules of procedures, strategic priorities, policies and guidelines, direct access modality and legal arrangements for the operationalization of the new fund by the COP at its seventeenth session;
- *Option 2:* Welcomes/invites Party X/and Party Y to convene a series of meetings open to all Parties, led by finance ministries, to prepare a governing instrument and other documents needed to establish the fund and a process to elect the Board, and to present a memorandum of understanding to the COP at its seventeenth session;
- To establish a new body under the COP to assist it in exercising its functions with respect to the financial mechanism of the Convention in terms of improving coherence and coordination in the delivery of climate change financing, rationalization of the financial mechanism, mobilization of financial resources and the measurement, reporting and verification of support provided to developing country Parties. Launch a process to further define the roles and functions of this new body;

B. Technology development and transfer

Confirming the importance of promoting and enhancing national and international cooperative action on the development and transfer of environmentally sound technologies to developing country Parties to support action on mitigation and adaptation now, up to and beyond 2012, in order to achieve the ultimate objective of the Convention,

Recognizing that an early and rapid reduction in emissions and the urgent need to adapt to the adverse impacts of climate change require large-scale diffusion and transfer of, or access to, environmentally sound technologies,

Stressing the need for effective mechanisms, enhanced means, appropriate enabling environments and the removal of obstacles to the scaling up of the development and transfer of technologies to developing country Parties,

54. *Decides* that the objective of enhanced action on technology development and transfer is to support action on mitigation and adaptation in order to achieve the full implementation of the Convention;

55. *Also decides* that, in pursuit of this objective, technology needs must be nationally determined, based on national circumstances and priorities;

56. *Decides* to accelerate action consistent with international obligations, at different stages of the technology cycle, including research and development, demonstration, deployment, diffusion and transfer of technology (hereinafter referred to in this decision as technology development and transfer) in support of action on mitigation and adaptation;

57. *Decides* to establish a Technology Mechanism to achieve the objective referred to in paragraphs 54–56 above, under the authority and guidance of, and accountable to, the Conference of the Parties, which will consist of the following components:

⁷ Criteria to be established/agreed at the sixteenth session of the COP.

(d) A Technology Executive Committee, as described in paragraphs 60–64 and 68–69 below;

(e) A Climate Technology Centre and Network, as described in paragraphs 65–67 below;

58. *Also decides* that the implementation of the Technology Mechanism and other activities as determined by the Conference of the Parties shall take into account the activities and/or outcomes of the activities eligible for support as described in annex VII to this decision and shall be funded by the financial arrangement, including the provision of new and additional financial resources to meet the agreed full incremental costs, in accordance with Article 4, paragraph 3, of the Convention;

59. *Further decides* that in order to ensure the effective implementation of the Technology Mechanism, it shall be linked with the financial mechanism of the Convention, including for the provision of technical and policy advice and recommendations on matters related to technology development and transfer;

60. *Decides* to establish a Technology Executive Committee with a mandate and composition as contained in annex VIII to this decision;

61. *Decides* to terminate the mandate of the Expert Group on Technology Transfer at the conclusion of the sixteenth session of the Conference of the Parties;

62. *Requests* the Technology Executive Committee to convene its first meeting as soon as practicable following the election of its members;

63. *Decides* that the Technology Executive Committee shall elaborate its own modalities and procedures, in accordance with the guidance provided in annex VIII to this decision, for consideration by the Conference of the Parties at its seventeenth session;

64. *Decides* that the Technology Executive Committee shall, in elaborating its modalities and procedures, as appropriate, define linkages with other relevant institutional arrangements under and outside of the Convention;

65. *Decides* that a Climate Technology Centre and Network shall be established to undertake the functions contained in annex IX to this decision;

66. *Further decides* that the Climate Technology Centre and Network shall interact with the Technology Executive Committee;

67. *Further decides* that the Climate Technology Centre and Network shall provide its annual report incorporating comments from the Technology Executive Committee for consideration by the Conference of the Parties, with a view to it determining any actions arising, as appropriate;

68. *Requests* the Technology Executive Committee to convene an expert workshop on the operational modalities of the Technology Mechanism in conjunction with a session of the Ad Hoc Working Group on Long-term Cooperative Action under the Convention in 2011, drawing upon the preliminary work undertaken on this matter by the Expert Group on Technology Transfer as contained in its programme of work for 2010-2011;

69. *Further requests* the Technology Executive Committee to elaborate the terms of reference for the Climate Technology Centre and Network, based on any guidance provided by the Conference of the Parties and taking into account the results of the workshop referred to in paragraph 68 for consideration by the Conference of the Parties at its seventeenth session, with a view to make the Climate Technology Centre and Network operational in 2012;

70. *Encourages* Parties, in the context of Article 4, paragraphs 1(c) and 5, of the Convention and consistent with their respective capabilities and national circumstances and priorities, to undertake domestic actions identified through country-driven approaches as well as to engage in bilateral and multilateral cooperative activities on technology development and transfer, including those listed in annex X to this decision;

71. *Recognizes* the different views on intellectual property rights among Parties and the importance of continued dialogue among Parties in 2011 on ways to enhance technology innovation and access to technologies for mitigation and adaptation;

C. Capacity-building

Reaffirming that capacity-building is essential to enable developing country Parties to participate fully in addressing the climate change challenges, and to implement effectively their commitments under the Convention,

Recalling the provisions related to capacity-building for developing country Parties contained in relevant decisions adopted by the Conference of the Parties, especially decision 2/CP.7,

Acknowledging that capacity-building is cross-cutting in nature and an integral part of enhanced action on mitigation, adaptation, technology development and transfer and access to financial resources,

Reaffirming that capacity-building should be a continuous, progressive and iterative process that is participatory, country-driven and consistent with national priorities and circumstances,

72. *Decides* that capacity-building support to developing country Parties should be enhanced with the objective of building, developing, strengthening, improving and enhancing, as appropriate, the subnational, national or regional capacities, skills, capabilities and institutions of developing country Parties to contribute to the achievement of the full, effective and sustained implementation of the Convention, through, inter alia, the activities listed in annex XI to this decision;

73. *Decides* that financial resources for enhanced action on capacity-building in developing country Parties shall be provided through the operating entities of the financial mechanism, including the New Fund, and through various bilateral and multilateral channels;

74. *Decides* that developed country Parties should report, through their national communications, on support have they provided for capacity-building in developing country Parties in accordance with guidelines adopted by the COP;

75. *Further decides* that developing country Parties should report, through their national communications, on progress made in enhancing capacity to address climate change and on the support received;

76. *Requests* the Ad Hoc Working Group on Long-term Cooperative Action under the Convention to further consider possible arrangements for enhancing the delivery of capacity-building support to developing country Parties and the monitoring and review of the effectiveness of capacity-building support provided, with a view to developing recommendations for consideration by the COP at its seventeenth session;

V. Review

77. *Decides* to periodically review the adequacy of the long-term global goal defined in paragraph 2 above, in the light of the ultimate objective of the Convention, and overall progress towards achieving it, in accordance with the relevant principles and provisions of the Convention;

78. Further decides that:

(a) This review should be guided by the principles of equity and common but differentiated responsibilities and respective capabilities and take into account, inter alia:

- The best available scientific knowledge;
- Observed impacts of climate change;
- An assessment of the overall aggregated effect of the steps taken by Parties in order to achieve the ultimate objective of the Convention;
- Consideration of strengthening the long-term global goal, including in terms of lower stabilization levels, the timing for peaking of global emissions and the required reductions of greenhouse gas emissions;

(b) The first review should be concluded by 2015;

(c) The Conference of the Parties shall take appropriate action based on the review;

79. *Requests* the AWG-LCA to further define the scope of this review and develop its modalities, including required inputs, with a view to their adoption by the seventeenth 1. session of the COP in order to launch the first review process.

Annex I

Proposed functions of an Adaptation Committee

1. Providing scientific advice and technical support to Parties, respecting the country-driven approach, with a view to facilitating the implementation of the activities listed in paragraphs 6 and 7 of this decision, where appropriate.
2. Strengthening, consolidating and enhancing the sharing of information, knowledge, including traditional knowledge, experience and good practices, at local, national, regional and international levels, consistent with the relevant international agreements.
3. Cooperating with national, regional and international organizations, centres and networks, to enhance the implementation of adaptation actions, in particular in developing country Parties, including through the creation of partnerships between a range of stakeholders in developed and developing country Parties.
4. Facilitating the matching of support between adaptation actions seeking support and support to be provided, including finance, technology and capacity-building.
5. Considering information communicated by Parties on their monitoring and review of adaptation actions, support provided and received and other relevant information, as referred to in paragraph 16 of this decision, and recommending further action, as appropriate.

Annex II

Proposed functions for arrangements to address loss and damage

1. Engaging stakeholders with the specialist expertise required to provide advice to the Conference of Parties for addressing loss and damage;
2. Facilitating advice and guidance on existing and innovative risk management, risk transfer and risk sharing approaches, including insurance;
3. Identifying key climate risk factors and thresholds for insurance payments;
4. Estimating the potential physical and economic impacts of key climate risk factors;
5. Receiving reports in the event that key climate risk factor thresholds have been exceeded;
6. Facilitating the process of verifying that key climate risk factor thresholds have been exceeded;
7. Recommending appropriate financial compensation payments once climate risk factor thresholds have been exceeded;
8. Facilitating the design, establishment and operation of risk sharing and transfer mechanisms to address financial risk associated with the impacts of climate change related extreme weather events, including the support of standardised risk assessment across countries;
9. Incentivizing good adaptation practice by recommending risk reduction and management prerequisites for access to a proposed international insurance facility.

Annex III

Principles and safeguards for policy approaches and positive incentives on issues relating to reducing emissions from deforestation and forest degradation in developing countries; and the role of conservation, sustainable management of forests and enhancement of forest carbon stocks in developing countries

1. Activities referred to in paragraph 21 of this decision should:
 - (a) Contribute to the achievement of the objective set out in Article 2 of the Convention;
 - (b) Contribute to the fulfilment of the commitments set out in Article 4, paragraph 3, of the Convention;
 - (c) Be country-driven and voluntary;
 - (d) Be consistent with the principle of environmental integrity;
 - (e) Be undertaken in accordance with national development priorities, objectives and circumstances and capabilities and should respect sovereignty;
 - (f) Be consistent with Parties' national sustainable development needs and goals;
 - (g) Ensure that implementation is in the context of sustainable development and reducing poverty, while responding to climate change;
 - (h) Promote broad country participation;
 - (i) Be consistent with the adaptation needs of the country;
 - (j) Be integrated into nationally appropriate mitigation actions and developed within the context of a low greenhouse gas emission strategy;
 - (k) Be subject to the provision of equitable, adequate, predictable and sustainable financing and technology support, including support for capacity-building;
 - (l) Be results-based;
 - (m) Promote sustainable management of forests;
2. Parties, when undertaking the activities referred to in paragraph 21 of this decision, should promote and support the following safeguards:
 - (a) Actions complement or are consistent with the objectives of national forest programmes and relevant international conventions and agreements;
 - (b) Transparent and effective national forest governance structures, taking into account national legislation and sovereignty;
 - (c) Respect for the knowledge and rights of indigenous peoples and members of local communities, by taking into account relevant international obligations, national circumstances and laws, and noting that the United Nations General Assembly has adopted the United Nations Declaration on the Rights of Indigenous Peoples;
 - (d) The full and effective participation of relevant stakeholders, in particular, indigenous peoples and local communities, in actions referred to in paragraphs 21 and 23 below;

(e) Actions are consistent with the conservation of natural forests and biological diversity, ensuring that actions referred to in paragraph 21 below are not used for the conversion of natural forests, but are instead used to incentivize the protection and conservation of natural forests and their ecosystem services, and to enhance other social and environmental benefits;¹

(f) Actions to address the risks of reversals;

(g) Actions to reduce displacement of emissions.

¹ Taking into account the need for sustainable livelihoods of indigenous peoples and local communities and their interdependence on forests in most countries, reflected in the United Nations Declaration on the Rights of Indigenous Peoples, as well as the International Mother Earth Day.

Annex IV

Subsidiary Body for Scientific and Technological Advice work programme on policy approaches and positive incentives on issues relating to reducing emissions from deforestation and forest degradation in developing countries; and the role of conservation, sustainable management of forests and enhancement of forest carbon stocks in developing countries

In the development of its work programme, the SBSTA shall:

(a) Identify land use, land-use change and forestry activities in developing countries, in particular those that are linked to the drivers of deforestation and forest degradation, to identify the associated methodological issues to estimate emissions and removals resulting from these activities, and to assess their potential contribution to the mitigation of climate change, and report on the findings to the Conference of the Parties at its xx session;

(b) Develop, by its [X] session, modalities relating to paragraphs 21 (b) and (c) of this decision, for adoption by the Conference of the Parties at its [X] session.

(c) Develop, by its [X] session, as necessary, modalities for measuring, reporting and verifying anthropogenic forest-related emissions by sources and removals by sinks, forest carbon stocks, forest carbon stock and forest area changes resulting from the implementation of activities referred to in paragraph 21 of this decision, consistent with any guidance for measuring, reporting and verification of nationally appropriate mitigation actions by developing country Parties agreed by the Conference of the Parties, taking into account methodological guidance in accordance with decision 4/CP.15, for adoption by the Conference of the Parties at its [X] session;

(d) Develop, by its [X] session, modalities for measuring, reporting and verifying the support provided by developed country Parties to the implementation of safeguards referred to in paragraph 2 of annex III to this decision and the actions referred paragraph 21 of this decision.

Annex V

Principles to guide various approaches, including opportunities for using markets, to enhance the cost-effectiveness of, and to promote, mitigation actions

1. The following principles shall guide the development of various approaches, including opportunities for using markets, to enhance the cost-effectiveness of, and to promote, mitigation actions, under the Convention:

- (a) Maintaining consistency with the principles of the Convention;
- (b) Ensuring that mitigation approaches are advanced in a cost-effective manner;
- (c) Supporting incentives to Parties to develop or to continue to develop, as appropriate, on low-emissions pathways;
- (d) Providing contributions to sustainable development, including through the promotion of technology transfer and other co-benefits;
- (e) Avoiding any means that constitute an arbitrary or unjustifiable discrimination or disguised restriction on international trade;
- (f) Promoting changes in lifestyles and patterns of production and consumption;
- (g) Ensuring the full respect of human rights;
- (h) Recognizing, promoting and defending nature.

2. The following principles shall guide the development of approaches, as referred to in paragraph 1 above, that are market-based approaches:

- (a) Ensuring voluntary participation of Parties, supported by the promotion of fair and equitable access for all Parties;
- (b) Complementing other means of support for nationally appropriate mitigation actions by developing country Parties by scaling up the provision of new and additional support for such purposes by developed country Parties;
- (c) Stimulating mitigation across broad segments of the economy;
- (d) Safeguarding environmental integrity by ensuring that mitigation promoted by market-based approaches is additional to any that would otherwise occur, by reflecting contributions by all Parties to global mitigation efforts, by providing for robust measurement, reporting and verification and by preventing double counting;
- (e) Moving beyond offsetting by ensuring that activities result in a net decrease in global greenhouse gas emissions;
- (f) Allowing the use of mechanisms established under the Convention and national laws and policies that satisfy relevant criteria to meet mitigation commitments under the Convention, while ensuring that such use is supplemental to domestic mitigation efforts;
- (g) Ensuring robust market functioning and regulation.

Annex VI

Scope of a forum on the impact of the implementation of response measures

1. The forum on the impact of the implementation of response measures will address possible modalities to implement the following:
 - (a) Assist in identifying and addressing the impact of the implementation of response measures;
 - (b) Share information, promote response strategies and cooperate on issues relating to response strategies;
 - (c) Explore ways to minimize negative consequences or response measures;
 - (d) Consider appropriate tools, such as those relating to insurance, technology development and transfer, for dealing with negative consequences;
 - (e) Identify possible sources of funding for improving environmental and energy efficiency in upstream and downstream activities relating to fossil fuels;
 - (f) Guide, monitor and evaluate the implementation of a work programme on the impact of the implementation of response measures, which will include the elements listed in paragraphs 3 below.
2. The forum will develop a work programme, setting milestones for making progress and delivering actions, with a view to making a recommendation to the COP at its seventeenth session for its consideration.
3. The work programme for the forum could include:
 - (a) Insurance and financial risk management;
 - (i) Possible collaboration between the climate change community, government programmes and the private insurance sector;
 - (ii) Private–public partnerships linking insurance mechanisms and risk-reduction mechanisms;
 - (iii) Ways in which to build capacity at the national level for risk management, risk financing and risk transfer;
 - (iv) Means by which to engage the private sector in the development of alternative risk transfer mechanisms;
 - (b) Modelling;
 - (i) Dissemination of modelling tools and models to developing country Parties, and ensuring increased collaboration on modelling activities on an ongoing basis;
 - (ii) The development of methodologies to assist developing country Parties to examine their vulnerability to the impact of the implementation of response measures;
 - (iii) The development of draft guidance documents on how to undertake socio-economic assessments of the impact of the implementation of response measures to be piloted in selected countries as a basis for detailed and comprehensive guidance;

- (iv) The development, in collaboration with international organizations, of methodologies to assess the impact on developing country Parties of policies already implemented by developed country Parties;
- (v) Coordination with the scientific research community, including the IPCC, to improve the quality of models, in particular those that assess the impact of the implementation of response measures on developing countries, with a view to fully addressing this issue in the future work of the IPCC;
- (vi) Capacity-building at the national level to enable the impact of the implementation of response measures to be modelled;
- (c) Economic diversification;
 - (i) Providing support for the integration of economic diversification into sustainable development strategies;
 - (ii) Exchanging experiences in economic diversification and identifying and disseminating lessons learned, with a view to identifying the technical assistance that may be needed to develop structural and institutional capacity, and/or to establish a mechanism for facilitating efforts to achieve economic diversification;
 - (iii) Coordination among the secretariat, relevant international organizations, and the private sector in developed countries on matters relating to economic diversification;
 - (iv) Building capacity, at the national level, in the areas of economic diversification;
 - (v) Promoting private–public partnerships in various areas to support economic diversification;
 - (vi) Providing recommendations for encouraging direct investment by and technology transfer from developed country Parties to assist in the economic diversification of developing countries;
 - (vii) Addressing the extent to which trade and export barriers affect economic diversification in developing countries;
- (d) Technology transfer;
 - (i) Providing support for win–win technologies that help address climate change and reduce the impact of the implementation of response measures, such as carbon dioxide capture and storage;
 - (ii) Supporting technology transfer and the removal of barriers for technologies that help developing country Parties adapt to the effects of response measures.

Annex VII

Eligible technology development and transfer activities and/or outcomes of activities

Pursuant to paragraph 3 (c) of annex VIII, activities and/or outcomes of activities eligible for technological, financial and capacity-building support shall be determined by country-driven processes based on national circumstances and priorities, with a view to ensuring overall efficiency and effectiveness in meeting such outcomes, and may include, but not be limited to, those that achieve:

- (a) Development and enhancement of endogenous capacities and technologies of developing country Parties, including cooperative research, development and demonstration programmes;
- (b) Deployment and diffusion of environmentally sound technologies and know-how in developing country Parties;
- (c) Increased public and private investment in technology development, deployment, diffusion and transfer;
- (d) Deployment of soft and hard technologies for the implementation of adaptation and mitigation actions;
- (e) Improved climate change observation systems and related information management;
- (f) Strengthening of national systems of innovation and technology innovation centres;
- (g) Development and implementation of national technology plans for mitigation and adaptation.

Annex VIII

Composition and mandate of the Technology Executive Committee

1. The Technology Executive Committee shall be responsible for the further development and effective implementation of the Technology Mechanism under the authority and guidance of the Conference of the Parties.
2. The Technology Executive Committee shall further implement the framework for meaningful and effective actions to enhance the implementation of Article 4, paragraph 5, of the Convention (technology transfer framework) adopted by decision 4/CP.7 and enhanced by decision 3/CP.13, including any pending activities contained in the Expert Group on Technology Transfer's rolling programme of work for 2010–2011.
3. The functions of the Technology Executive Committee shall be to:
 - (a) Provide the Conference of the Parties, its subsidiary bodies and other relevant constituted bodies with a global overview of technological needs and an analysis of policy and technical issues related to the development and transfer of technology for mitigation and adaptation;
 - (b) Consider and recommend actions to the Conference of the Parties, its subsidiary bodies and other relevant constituted bodies to promote technology development and transfer in order to accelerate action on mitigation and adaptation;
 - (c) Recommend to the Conference of the Parties guidance on policies, programme priorities and eligibility criteria related to technology development and transfer, including activities and/or outcomes of activities eligible for technological, financial and capacity-building support referred to in annex VII, with special consideration given to the least developed country Parties;
 - (d) Promote and facilitate collaboration on the development and transfer of technology for climate mitigation and adaptation between governments, the private sector, non-profit organizations and academic and research communities;
 - (e) Provide periodic reports on the progress of its work to the Conference of the Parties and, upon request, advice to the subsidiary bodies and other relevant constituted bodies established under the Convention on matters related to efforts to accelerate action on technology development and transfer;
 - (f) Recommend necessary actions to address the barriers to technology development and transfer in order to enable enhanced action on mitigation and adaptation;
 - (g) Provide guidance to the Climate Technology Centre and Network with a view to aligning the activities of the Climate Technology Centre and Network with country-driven actions;
 - (h) Seek cooperation with relevant international technology initiatives, relevant stakeholders and organizations, promote coherence and cooperation across technology activities, including activities under and outside of the Convention;
 - (i) Catalyse the development and use of technology road maps or action plans at international, regional and national levels through cooperation between relevant stakeholders, particularly governments and relevant organizations or bodies, including the development of best practice and guidelines, as facilitative tools for action on mitigation and adaptation;

(j) Liaise with, provide advice to and request advice from other bodies under the Convention in executing its functions.

4. The Technology Executive Committee shall comprise 20 expert members, elected by the Conference of the Parties, serving in their personal capacity and nominated by Parties with the aim of achieving fair and balanced representation, as follows:

- (a) Nine members from Parties not included in Annex I to the Convention;
- (b) Nine members from Parties included in Annex I to the Convention;
- (c) One member from small island developing States;
- (d) One member from the least developed country Parties.

5. Parties are encouraged to nominate senior experts with a view to achieving, within the membership of the Technology Executive Committee, an appropriate balance of technical, legal, policy, social development and financial expertise relevant to the development and transfer of technologies for adaptation and mitigation, taking into account the need to achieve gender balance in accordance with decision 36/CP.7.

6. Members shall serve for a term of two years and shall be eligible to serve a maximum of two consecutive terms of office and that the following rules shall apply:

- (a) Half of the members shall be elected initially for a term of three years and half of the members shall be elected for a term of two years;
- (b) Thereafter, the Conference of the Parties shall elect every year a member for a term of two years;
- (c) The members shall remain in office until their successors are elected.

7. The Technology Executive Committee shall annually elect a chair and a vice-chair from among its members for a term of one year each, with one being a member from a Party included in Annex I to the Convention and the other being a member from a Party not included in Annex I to the Convention; that the positions of chair and vice-chair shall alternate annually between a member from a Party included in Annex I to the Convention and a member from a Party not included in Annex I to the Convention.

8. If the chair is temporarily unable to fulfil the obligations of the office, the vice-chair shall serve as chair. In the absence of the chair and the vice-chair at a particular meeting, any other member designated by the Technology Executive Committee shall temporarily serve as the chair of that meeting.

9. If the chair or vice-chair is unable to complete the term of office, the Committee shall elect a replacement to complete the term of office, taking into account paragraph 7 above.

10. If a member of the Technology Executive Committee resigns or is otherwise unable to complete the assigned term of office or to perform the functions of that office, the Technology Executive Committee may decide, bearing in mind the proximity of the next session of the Conference of the Parties, to appoint another member from the same constituency to replace the said member for the remainder of that member's mandate, in which case the appointment shall count as one term.

11. The Technology Executive Committee, in performing its functions, may draw upon outside expertise, including the UNFCCC roster of experts and the Climate Technology Centre and Network, to provide advice, including as expert advisors at its meetings.

12. The Technology Executive Committee may proactively engage intergovernmental and international organizations as well as the private sector and civil society in undertaking

its work and may invite advisors drawn from relevant intergovernmental and international organizations as well as the private sector and civil society to participate in its meetings as expert advisors on specific issues as they arise.

13. The meetings of the Technology Executive Committee shall be open to attendance by accredited observer organizations, except where otherwise decided by the Technology Executive Committee.

14. The secretariat shall support and facilitate the organization of meetings of the Technology Executive Committee and its activities, including in assisting the Technology Executive Committee in preparing its periodic reports to the Conference of the Parties.

Annex IX

Functions of the Climate Technology Centre and Network

The Climate Technology Centre shall have the following functions:

- (a) At the request of a developing country Party:
 - (i) Provide advice and support related to the identification of technology needs and the implementation of environmentally sound technologies, practices and processes;
 - (ii) Provide information, training and support for workforce development programmes to build or strengthen developing country capacity to identify technology options, make technology choices and operate, maintain and adapt technologies;
 - (iii) Facilitate prompt action on the deployment of existing technologies in developing country Parties based on identified needs;
- (b) Stimulate and encourage, through collaboration with the private sector, public institutions, academia and research institutions, the development and transfer of existing and emerging environmentally sound technologies, as well as opportunities for North–South, South–South and triangular technology cooperation;
- (c) Develop and customize analytical tools, policies and best practices for country-driven planning to support the dissemination of environmentally sound technologies;
- (d) Facilitate a Network of national, regional, sectoral and international technology centres, networks, organization and initiatives with a view to:
 - (i) Enhancing cooperation with national, regional and international technology centres and relevant national institutions;
 - (ii) Facilitating international partnerships among public and private stakeholders to accelerate the innovation and diffusion of environmentally sound technologies to developing country Parties;
 - (iii) Providing, on request by a developing country Party, in-country technical assistance and training to support identified technology actions in developing country Parties;
 - (iv) Stimulating the establishment of twinning centre arrangements to promote North–South, South–South and triangular partnerships with a view to encouraging cooperative research and development;
- (e) Performing other such activities as may be necessary to carry out its functions.

Annex X

Indicative list of national and international cooperative actions to enhance technology development and transfer

1. Promote the establishment and/or strengthening of national systems of innovation, including, as appropriate, national technology innovation centres;
2. Promote public- and private-sector partnerships;
3. Create the enabling environments to facilitate enhanced action on technology transfer and mobilize private-sector investment;
4. Develop and strengthen relevant institutional, technical and human capacity, including the capacity to absorb, adapt and adopt appropriate and applicable environmentally sound technologies;
5. Increase private and public research, development and demonstration of technologies for mitigation in relation to current levels, working towards at least a doubling of resources for global research, development and demonstration by 2015 and increasing it to four times its current level thereafter, with a significant shift in emphasis towards safe and sustainable low greenhouse gas emitting technologies;
6. Promote collaborative action through North–South, South–South and triangular technology partnerships, including through regional and international technology centres and networks;
7. Promote the establishment of cooperative partnership arrangements with relevant international organizations, the public and private sectors, academia and the research community;
8. Enhance the development and dissemination of best practices;
9. Support national and regional capacity-building.

Annex XI

Capacity-building activities

1. Empowering and strengthening relevant institutions at various levels, including focal points and national coordinating bodies and organizations, with a view to enhancing the capacity to plan, prepare and implement climate change action;
 2. Strengthening endogenous capacities, skills and capabilities;
 3. Developing and/or strengthening national and/or regional networks for the generation, sharing and management of information and knowledge, including local and indigenous knowledge, experiences and best practices of developing country Parties, through, inter alia, North-South, South-South and triangular cooperation;
 4. Strengthening climate change communication, education, training and public awareness at all levels, including at the local and community levels, taking into account gender issues;
 5. Encouraging and strengthening participatory and integrated approaches and the involvement of various stakeholders, including women and youth, taking climate change considerations into account, to the extent feasible, in relevant social, economic and environmental policies and actions;
 6. Supporting capacity-building needs identified in areas of mitigation, adaptation, technology development and transfer and access to financial resources;
 7. Supporting any other new and emerging capacity-building needs arising from efforts to enhance the full, effective and sustained implementation of the Convention.
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