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SUBSIDIARY BODY FOR SCIENTIFIC AND TECHNOLOGICAL ADVICE

Twenty-fourth session

Bonn, 18–26 May 2006

Agenda item 3

Five-year programme of work on impacts, vulnerability and adaptation to climate change

## **Five-year programme of work on impacts, vulnerability and adaptation to climate change**

### **Submission from Parties**

1. The secretariat has received a submission from the Group of 77 and China dated 25 May 2006.
2. In accordance with the procedure for miscellaneous documents, this submission is reproduced<sup>\*</sup> in the language in which it was received and without formal editing.

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<sup>\*</sup> This submission has been electronically imported in order to make it available on electronic systems, including the World Wide Web. The secretariat has made every effort to ensure the correct reproduction of the text as submitted.

<sup>\*\*</sup>Reissued for technical reasons.

SUBMISSION FROM THE GROUP OF 77 AND CHINA

G77 and CHINA POSITION - 25 May 2006, 2pm

SBSTA agenda item 3

FIVE YEAR PROGRAMME OF WORK ON IMPACTS; VULNERABILITY AND ADAPTATION TO CLIMATE CHANGE

<p><b><i>A (i). Promoting development and dissemination of methodologies and tools for impact and vulnerability assessments, such as rapid assessments and bottom-up approaches, including as they apply to sustainable development</i></b></p> <p><b><i>B (i). Promoting the development and dissemination of methods and tools for assessment and improvement of adaptation planning, measures and actions, and integration with sustainable development</i></b></p>		
<b>Activities</b>		
<ul style="list-style-type: none"> <li>▪ Application and development of methodologies and tools for impact, vulnerability and adaptation assessments</li> <li>▪ Development of methodologies and tools for adaptation planning, measures and actions, and integration with sustainable development and strengthen their use.</li> <li>▪ Dissemination of existing and new methods and tools and facilitation of the sharing of experiences and lessons</li> <li>▪ Methods and tools for the assessment of costs and benefits of adaptation options (including those contained in the UNFCCC Compendium on methods and tools to evaluate impacts of, vulnerability and adaptation to, climate change)<sup>1</sup></li> </ul>		
<b>Modalities</b>	<b>Deliverables</b>	<b>Timing</b>
<ul style="list-style-type: none"> <li>▪ Invite submissions from Parties on availability, accessibility and ways to promote development, application and dissemination of existing and emerging methods and tools with a view to identifying: <ul style="list-style-type: none"> <li>- Lessons learned</li> <li>- Gaps and needs</li> <li>- Possible ways to better disseminate information, including a possible update and enhancement of the compendium on tools and methods</li> <li>- Methods and tools for the assessment of costs and benefits of adaptation options</li> </ul> Request the secretariat to prepare a synthesis report based on Parties' submissions and on relevant input from the Least Developed Countries Expert Group (LEG), the Consultative Group of Experts on National Communication from Parties not included in Annex I to the Convention (CGE) and the Expert Group on Technology Transfer (EGTT)</li> </ul>	<ul style="list-style-type: none"> <li>▪ Report on availability and accessibility of methods and tools, on gaps and needs, and on lessons learned, and recommendations for follow-up activities</li> </ul>	<p>SBSTA 26</p> <p>SBSTA 27</p>
<ul style="list-style-type: none"> <li>▪ Invite relevant organizations to inform the SBSTA on their work relating to this activity including the identification of training opportunities. Request the secretariat to compile the information in a miscellaneous document</li> </ul>	<ul style="list-style-type: none"> <li>▪ Miscellaneous document on information from organizations</li> </ul>	<p>SBSTA 25</p> <p>SBSTA 26</p>

<sup>1</sup> <[http://unfccc.int/adaptation/methodologies\\_for/vulnerability\\_and\\_adaptation/items/2674.php](http://unfccc.int/adaptation/methodologies_for/vulnerability_and_adaptation/items/2674.php)>.

<ul style="list-style-type: none"> <li>Request the secretariat, under the guidance of the Chair of the SBSTA, to organize an expert meeting with participation of Parties, users of methods and tools, relevant organizations, and representatives from sectoral and other communities addressing thematic areas or sectors and specific regional characteristic</li> </ul>	<ul style="list-style-type: none"> <li>Summary Report of the expert meeting taking into consideration the synthesis report</li> </ul>	Before SBSTA 28
<ul style="list-style-type: none"> <li>Request the secretariat to prepare a summary report on the main results of this activity</li> </ul>	<ul style="list-style-type: none"> <li>Input into summary progress report referred to in paragraph 6 of the conclusions</li> </ul>	SBSTA 28

***A (ii). Improving collection, management, exchange, access to and use of observational data and other relevant information on current and historical climate and its impacts, and promoting improvement of observations, including the monitoring of climate variability***

<b>Activities</b>		
<ul style="list-style-type: none"> <li>Promote the implementation of systematic observation (including Global Climate Observing System (GCOS) Implementation Plan and regional workshops programme), focusing on issues relating to impacts, vulnerability and adaptation taking into account stakeholder data needs and needs to enhance capacity to supply and use the data especially at the regional and national level</li> <li>Improve capacity for collecting, managing and use of observation data, and identify practical ways of enhancing technical capacity</li> <li>Exchange of information on observed climate change impacts, including those observed through traditional knowledge</li> </ul>		
<b>Modalities</b>	<b>Deliverables</b>	<b>Timing</b>
<ul style="list-style-type: none"> <li>Include consideration of relevant aspects of this activity, in particular stakeholder data and observation needs, at the expert meeting referred to under the modalities of activity 1</li> </ul>	<ul style="list-style-type: none"> <li>Inclusion of relevant information in the report from the expert meeting referred to under the modalities of activity 1</li> </ul>	Before SBSTA 27
<ul style="list-style-type: none"> <li>Invite the GCOS secretariat to focus specifically on relevant issues under this activity in its reports on the implementation of the GCOS Implementation Plan and taking into account relevant information in the implementation plan and the regional action plans from the regional workshop programme</li> </ul>	<ul style="list-style-type: none"> <li>GCOS progress report</li> </ul>	SBSTA 25
<ul style="list-style-type: none"> <li>Invite WMO and its associated national weather service, the GEOS, the GCOS and its partner organizations to explore how their work could contribute more to the work on impacts, vulnerability and adaptation, including the identification of gaps and deficiencies, including those to improve technical infrastructure, focusing on regions which were identified as not providing observational data, taking into account stakeholder data needs and needs to enhance capacity to supply and use the data especially at the regional and national levels</li> </ul>	<ul style="list-style-type: none"> <li>Synthesis Report by the WMO, GEOS and GCOS secretariats on needs, and gaps and ways to address them</li> </ul>	SBSTA 27
<ul style="list-style-type: none"> <li>Encourage Parties to share information including that observed through traditional knowledge, on observed impacts of climate change, including through national communications and participation in relevant scientific activities such as those of the Intergovernmental Panel on Climate Change (IPCC)</li> </ul>	<ul style="list-style-type: none"> <li>Information on observed impacts of climate change included in the compilation and synthesis of national communications</li> </ul>	SBSTA 25

▪ Request the secretariat to prepare a summary report on the main results of this activity	▪ Input into summary progress report referred to in paragraph 7 of the conclusions	SBSTA 28
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***A (iii). Promoting the development of, access to, and use of information and data on projected climate change***

<b>Activities</b>		
<ul style="list-style-type: none"> <li>Identify gaps in the development or regional and subregional climate scenarios, including the need for, availability and applicability of climate models, and options to fill them</li> <li>Identify of practical opportunities to improve access to, and use of different models' outputs, including assessment of their applicability and training opportunities</li> <li>Analyse means to improve the availability and applicability of climate change modelling and downscaling data to policy makers at all levels</li> </ul>		
<b>Modalities</b>	<b>Deliverables</b>	<b>Timing</b>
▪ Invite inputs from relevant organizations on matters identified in this activity including work undertaken on reducing uncertainties in model projections	Inclusion of relevant information in the report from the expert meeting, referred to under the modalities of activity 1.	SBSTA 26
▪ Invite the IPCC and its task group on scenarios for climate impact assessment (TGICA), other international organizations, modelling centres, and regional and national agencies with relevant experience, to provide information on their products and services on matters identified in this activity	Technical report on scenarios for climate impact assessment	SBSTA 26
▪ Request the secretariat to organize an expert meeting on this activity with participation of experts and representatives from relevant organizations	▪ Summary Report of the Expert Meeting	Before SBSTA 27
▪ Request the secretariat to prepare a summary report on the main results of this activity	▪ Input into summary progress report referred to in paragraph 7 of the conclusions	SBSTA 28

***A (iv). Promoting understanding of impacts of, and vulnerability to, climate change, current and future climate variability and extreme events, and the implications for sustainable development***

<b>Activities</b>		
<ul style="list-style-type: none"> <li>Enhance capacity and ability to predict extreme events and analyse their impacts.</li> <li>Enhance capacity to use information on extreme events and their impacts, including use this information to analyse their impacts, including assessment of climate related risks, impact thresholds, trends and implications for sustainable development</li> <li>Share and use of information on, and analysis of, experiences in climate risks assessment and management</li> <li>Promote the analysis, interpretation and prediction of the occurrence of extreme events, analysis of their impacts and the further development of tools and systems for these purposes</li> </ul>		
<b>Modalities</b>	<b>Deliverables</b>	<b>Timing</b>
▪ Request the secretariat, under the guidance of the Chair of the SBSTA, to organize a workshop with participation of Parties, experts and relevant organizations to consider current climate variability, extreme events, existing predictive capacities across regions and hazards as well as relating changes in extreme events under climate change and implications for sustainable development	▪ Summary Report of the workshop	SBSTA 26
▪ Request the secretariat to prepare a summary report on	▪ Input into summary	SBSTA 28

the main results of this activity	progress report referred to in paragraph 7 of the conclusions	
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<b>A (v). Promoting the availability of information on the socio-economic aspects of climate change and improving the integration of socio-economic information into impact and vulnerability assessments</b>		
<b>Activities</b>		
<ul style="list-style-type: none"> <li>▪ A stock-take on what socio-economic information and approaches are available (and being used), and what needs to be done to ensure for better integration of socio-economic information, into: <ul style="list-style-type: none"> <li>▪ developing socio-economic scenarios</li> <li>▪ vulnerability and adaptive capacity assessment</li> <li>▪ adaptation costing and planning</li> </ul> </li> </ul>		
<b>Modalities</b>	<b>Deliverables</b>	<b>Timing</b>
<ul style="list-style-type: none"> <li>▪ Invite structured submissions from Parties and relevant organizations on matters relating to the availability and use of socio-economic information for scenarios, vulnerability and adaptive capacity assessment, adaptation costing and planning with a view to identifying: <ul style="list-style-type: none"> <li>- Existing approaches and available data</li> <li>- Needs and gaps</li> <li>- Ways and means to improve availability and access to relevant information as well as the integration</li> </ul> Request the secretariat to prepare a synthesis report based on the above information</li> </ul>	<ul style="list-style-type: none"> <li>▪ Miscellaneous document on information from parties</li> <li>▪ Technical report, based on the information provided by submissions with recommendations</li> </ul>	<p>SBSTA 25</p> <p>SBSTA 26</p>
<ul style="list-style-type: none"> <li>▪ Request the secretariat to organize an expert meeting on means and ways to improve the integration of socio-economic information into impact and vulnerability assessments and adaptation planning, taking the above synthesis report into account</li> </ul>	<ul style="list-style-type: none"> <li>▪ Summary Report on the expert meeting</li> </ul>	Before SBSTA 27
<ul style="list-style-type: none"> <li>▪ Request the secretariat to prepare a summary report on the main results of this activity</li> </ul>	<ul style="list-style-type: none"> <li>▪ Input into summary progress report referred to in paragraph 7 of the conclusions</li> </ul>	SBSTA 28

<b><i>B (ii). Collecting, analysing and disseminating information on past and current practical adaptation actions and measures, including adaptation projects, short- and long-term adaptation strategies, and local and indigenous knowledge</i></b>		
<b><i>B (iv). Facilitating communication and cooperation among and between Parties and relevant organizations, business, civil society, and decision makers, and other stakeholders</i></b>		
<b>Activities</b>		
<ul style="list-style-type: none"> <li>▪ Exchange of information on experiences, lessons learned, constraints and barriers of past and current adaptation measures and actions, and the implications for sustainable development, and derive recommendations for enhancing adaptation measures and actions</li> <li>▪ Establishment of a web-based interface for dissemination of information on existing experiences and case studies on adaptation planning, measures and actions, taking into account existing sectoral, national and other relevant databases and information sources</li> <li>▪ Promotion of different ways and means for information sharing and for the enhancement of cooperation among Parties and relevant institutions and communities, including the provision of a forum to exchange information between Parties and relevant communities, in particular sectoral, disaster risk reduction and management communities.</li> <li>▪ Promotion of understanding of response strategies, including early warning systems, local coping strategies and lessons learned that can be applied elsewhere</li> <li>▪ Assessment of available resources to support adaptation and address barriers and constraints to its implementation</li> </ul>		
<b>Modalities</b>	<b>Deliverables</b>	<b>Timing</b>
<ul style="list-style-type: none"> <li>▪ Invite inputs from Parties and relevant organizations through structured submissions on adaptation approaches, practices and technologies at the regional, national and local levels in different sectors, as well as on needs and concerns Request the secretariat to make the inputs available on the UNFCCC website Request the secretariat to prepare a synthesis report based on submissions from Parties</li> </ul>	<ul style="list-style-type: none"> <li>▪ Information on website</li> <li>▪ Synthesis report on submissions from Parties</li> </ul>	<p>SBSTA 25</p> <p>SBSTA 26</p> <p>SBSTA 27</p>
<ul style="list-style-type: none"> <li>▪ Invite inputs from the LEG, CGE and EGTT on matters identified in this activity</li> </ul>	<ul style="list-style-type: none"> <li>▪ Synthesis report on inputs from the LEG, CGE and EGTT</li> </ul>	SBSTA 26
<ul style="list-style-type: none"> <li>▪ Provide a forum for the exchange of information on the contribution of existing adaptation practices and traditional knowledge to the work on impacts and vulnerability assessment and adaptation</li> </ul>	Summary report on information provided at the forum	As of SBSTA 26
<ul style="list-style-type: none"> <li>▪ Considering the synthesis report and inputs from the LEG, CGE and EGTT, the SBSTA to decide upon possible follow-up activities, including workshop(s), publications and a web-based information interface</li> </ul>	Synthesis report with recommendations for follow-up activities	SBSTA 28
<ul style="list-style-type: none"> <li>▪ Request the secretariat to prepare a summary report on the main results of this activity</li> </ul>	<ul style="list-style-type: none"> <li>▪ Input into summary progress report referred to in paragraph 7 of the conclusions</li> </ul>	SBSTA 28

<b><i>B (iii). Promoting research on adaptation options and the development and diffusion of technologies, know-how and practices for adaptation, particularly addressing identified adaptation priorities and building on lessons learned from current adaptation projects and strategies</i></b>		
<b>Activities</b>		
<ul style="list-style-type: none"> <li>Analysis of opportunities and ways to promote research and development of adaptive capacities and adaptation practices that increase resilience</li> </ul>		
<b>Modalities</b>	<b>Deliverables</b>	<b>Timing</b>
<ul style="list-style-type: none"> <li>Consider research relevant to this activity in future work under the agenda item on the research and systematic observation</li> </ul>	Synthesis report on relevant research	SBSTA 26
<ul style="list-style-type: none"> <li>Request the secretariat to extract and synthesize information on ongoing and planned adaptation research as well as research needs identified in submissions from Parties and relevant organizations under this activity</li> </ul>	<ul style="list-style-type: none"> <li>Synthesis report on adaptation and research needs</li> </ul>	
<ul style="list-style-type: none"> <li>Request the secretariat to prepare a summary report on the main results of this activity</li> </ul>	<ul style="list-style-type: none"> <li>Input into summary progress report referred to in paragraph 7 of the conclusions</li> </ul>	SBSTA 28

<b><i>B (iii). Promoting research on adaptation options and the development and diffusion of technologies, know-how and practices for adaptation, particularly addressing identified adaptation priorities and building on lessons learned from current adaptation projects and strategies</i></b>		
<b>Activities</b>		
<ul style="list-style-type: none"> <li>Enhancement of work on different aspects of technologies and know-how for adaptation, as well as on opportunities for their transfer and diffusion, taking into account local and indigenous knowledge and experience as well as ongoing activities and projects</li> </ul>		
<b>Modalities</b>	<b>Deliverables</b>	<b>Timing</b>
<ul style="list-style-type: none"> <li>Request the secretariat to extract and synthesize examples of adaptation technologies identified in submissions from Parties and relevant organizations under activity 6</li> </ul>	Technical report on adaptation technologies identified in submissions from Parties and relevant organizations under activity 6	Before SBSTA 26
<ul style="list-style-type: none"> <li>The SBSTA to consider the recommendations of the EGTT on the technical paper on technology for adaptation and the outcome of the SBSTA 25 EGTT side event, the synthesis of technology needs assessments for adaptation, and previous work relating to adaptation technologies in the national adaptation programme of actions, and to decide upon possible follow-up activities under the programme of work on adaptation</li> </ul>	Technical report on recommendations from the EGTT with recommendations for follow-up activities	SBSTA 26
<ul style="list-style-type: none"> <li>Request the secretariat to prepare a summary report on the main results of this activity</li> </ul>	Input into summary progress report referred to in paragraph 7 of the conclusions	SBSTA 28

<b><i>B (v). Promoting understanding and the development and dissemination of measures, methodologies and tools, including for economic diversification, aimed at increasing economic resilience and reducing reliance on vulnerable economic sectors, especially for the relevant categories of countries listed in Article 4, paragraph 8, of the Convention</i></b>		
<b>Activities</b>		
<ul style="list-style-type: none"> <li>Exchange of experiences and opportunities on the development and dissemination of measures, methodologies and tools aimed at increasing economic resilience</li> </ul>		
<b>Modalities</b>	<b>Deliverables</b>	<b>Timing</b>
<ul style="list-style-type: none"> <li>Invite Parties and relevant organizations to provide information on examples of measures to increase economic resilience of vulnerable sectors Request the secretariat to prepare a synthesis report</li> </ul>	<ul style="list-style-type: none"> <li>Synthesis report</li> </ul>	SBSTA 26  Before SBSTA 27
<ul style="list-style-type: none"> <li>Request the secretariat to prepare a summary report on the main results of this activity</li> </ul>	<ul style="list-style-type: none"> <li>Input into summary progress report referred to in paragraph 7 of the conclusions</li> </ul>	SBSTA 28

1. The SBSTA Chair, in consultation with representative experts from Parties should ensure that the deliverables of the Programme of Work, as set out above, pursues its objectives and outcomes as contained in the Annex to Decision 2/CP 11 and provide a solid basis for the implementation of the Five Year Programme of Work. These deliverables, as described above, should contain concrete information that will inform users at different levels on:

- Analysis of the issues as addressed by the activity, including current status, and lessons learned;
- Identifications of gaps, needs (including any capacity needs), barriers and constraints;
- Options on ways and means on how to practically address identified needs and gaps.
- Practical recommendations on how to implement the options identified in para c, by parties and users, at all levels

- The SBSTA should request the secretariat, subject to the availability of resources, to widely disseminate by effective means, the deliverables resulting from the specific activities, to the appropriate target audiences-
- The SBSTA should request the Secretariat, under the guidance of the Chair of the SBSTA, to prepare progress reports on the results of the activities undertaken, to be presented to SBSTA, at each meeting from SBSTA 25 through to SBSTA 27, in order that the SBSTA may begin to consider further activities as well as appropriate timing and modalities for their inclusion in the programme of work at SBSTA 28.
- The SBSTA should the Secretariat, under the guidance of the Chair of the SBSTA, to prepare a summary progress report on the activities undertaken, with recommendations for further activities as well as appropriate timing and modalities, for consideration by SBSTA at its 28<sup>th</sup> session (June 2008) as provided in decision 2/CP11, para 6 (d).
- The SBSTA should request parties, before SBSTA 25, to submit to the Secretariate, suggested draft terms of reference for a group or groups of experts to provide technical advice and support in the implementation of the programme of work.
- The SBSTA should request the Secretariate to synthesise these submissions for consideration by SBSTA 25 with a view to preparing a recommendation inviting the COP at its 12<sup>th</sup> session, to adopt a decision on the formulation of the work of this group or groups of experts.