

2 May 2007

ENGLISH ONLY

UNITED NATIONS FRAMEWORK CONVENTION ON CLIMATE CHANGE

**AD HOC WORKING GROUP ON FURTHER COMMITMENTS  
FOR ANNEX I PARTIES UNDER THE KYOTO PROTOCOL**

**Third session**

**Bonn, 14–18 May 2007**

**Round table**

**Discussion on mitigation potentials of policies, measures and technologies**

**14 May 2007**

## **AWG round–table discussion on mitigation potentials of policies, measures and technologies**

### **Second information note by the secretariat**

1. The present information note contains an update on the arrangements and procedures for the AWG round–table discussion on mitigation potentials of policies, measures and technologies (the round table). It also presents questions to guide the discussions in each segment. Additional information on the logistics for this event can be found in the first information note.<sup>1</sup>

### **I. First segment**

2. The first segment of the round table will start after the opening plenary of the third session of the AWG. Discussions will provide an **overview** of the mitigation potential of policies, measures and technologies at the disposal of Annex I Parties, and address **cross–cutting issues**.

3. Confirmed speakers to this segment include Mr. Artur Runge-Metzger (European Commission), Mr. Harald Dovland (Norway), Mr. Mohamed Salim Al-Sabban (Saudi Arabia) and Mr. Arne Mogren (Vattenfall AB). The secretariat also expects the participation of a representative from South Africa, an expert from the Intergovernmental Panel on Climate Change and one from the International Institute for Applied Systems Analysis (IIASA). Discussions will address the following questions:

- What is the mitigation potential of policies, measures and technologies at the disposal of Annex I Parties for the medium term (e.g. 2020 – 2030) and the longer term (e.g. beyond 2050)? How does this potential relate to different levels of stabilization of greenhouse gas concentrations in the atmosphere?
- What are the costs and the barriers that could impede the realization of the mitigation potential of policies, measures and technologies available to Annex I Parties? What risks and uncertainties exist?
- How can the mitigation potential of policies, measures and technologies at the disposal of Annex I Parties be expanded through the clean development mechanism (CDM)?

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<sup>1</sup> Available at <[http://unfccc.int/kyoto\\_protocol/items/3951.php](http://unfccc.int/kyoto_protocol/items/3951.php)>.

- What are the environmental, economic and social consequences of mitigation?
- What are the benefits and co-benefits of mitigation, including for sustainable development?
- Which policies can promote technological and structural change?
- How could the mitigation potential of policies, measures and technologies at the disposal of Annex I Parties be maximized while ensuring economic growth, development and competitiveness?

## II. Second segment

4. The second segment of the round table will start after the lunch break. Discussions will focus on specific policies, measures and technologies for selected sectors, and their mitigation potential. The segment will conclude with a discussion on how the policies, measures and technologies referred to can be pulled together into national or regional mitigation strategies.

### A. Energy efficiency and low carbon energy

5. The first block will address **energy efficiency** in, for example, power generation and transmission, transport, residential heating and the industry (energy use, cogeneration, power recovery, design of appliances); and **low-carbon energy**, including renewable energy (wind, solar, hydro and bio-fuels), other zero greenhouse gas emitting technologies and carbon dioxide capture and storage.

6. Confirmed speakers to this block include Mr. Kazuhiko Honbu (Japan) and Mr. Hugi Olafsson (Iceland). The secretariat also expects the participation of an expert from the International Energy Agency. Discussions will address the following questions:

- Which key technologies and measures on energy efficiency and low-carbon energy are available for the short and medium terms and what is their mitigation potential? Which technologies will be available in the longer term?
- Which factors determine the mitigation potential of policies, measures and technologies on energy efficiency and low-carbon energy?
- What are their costs and which barriers could impede their use?
- Which policies can be used to realize the full mitigation potential of these measures and technologies? How do they relate to energy and other related policies?
- How will the mitigation potential of different policies, measures and technologies for energy efficiency and low-carbon energy change in the medium and longer terms?

### B. Non-CO<sub>2</sub> greenhouse gases and sinks

7. The second block will address **non-CO<sub>2</sub> greenhouse gas emissions** in waste management, agriculture and livestock management; and **sinks**, including afforestation/reforestation and forest management.

8. Speakers to this block include Mr Harry Clark (New Zealand). The secretariat also expects the participation of an expert from an international organization. Discussions will address the following questions:

- Which key technologies and measures on non-CO<sub>2</sub> gases and sinks are available for the short and medium terms and what is their mitigation potential? Which technologies will be available in the longer term?
- Which factors determine the mitigation potential of policies, measures and technologies on non-CO<sub>2</sub> greenhouse gases and sinks?
- What are their costs and what barriers could impede their use?
- Which policies can be used to exploit the full mitigation potential of these measures and technologies? How do they relate to land-use and other related policies?

- How will the mitigation potential of different policies, measures and technologies on non-CO<sub>2</sub> gases and sinks change in the medium and longer terms?

### **C. Consolidation of sectoral approaches**

9. After having discussed specific policies, measures and technologies for selected sectors, the third block will focus on **consolidation of sectoral approaches**, including into national and regional strategies.

10. Confirmed speakers to this segment include Ms. Nicole Wilke (EU). The secretariat also expects the participation of a representative from Switzerland and of an expert from the Intergovernmental Panel on Climate Change. Discussions will address the following questions:

- What policies and measures can be used to bring together the mitigation potential from different sectors?
- How could the mitigation potential from different sectors be maximized in a wider context (e.g. national or regional strategies)?
- What factors determine the contribution of a policy, measure or technology to an overall national mitigation potential?

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