

AWG-KP 5

Round table on the means that may be available to Annex I Parties to reach their emission reduction targets

Bonn, 2 June 2008

Debate on greenhouse gases (GHGs), sectors and source categories and possible approaches targeting sectoral emissions:

1. The possible broadening of the coverage of GHGs, sectors and source categories;
2. How approaches to limit or reduce emissions of GHGs from aviation and marine bunker fuels could be used by Annex I Parties as a means to reach their emission reduction targets, taking into account Article 2, paragraph 2, of the Kyoto Protocol; and
3. How approaches targeting sectoral emissions could be used by Annex I Parties as a means to reach their emission reduction targets.

0. General remarks

- Switzerland has not yet finalized its views on the means to reach the emissions reductions commitments
- Taking into account the international context in which they are deployed
- Negotiation of rules before quantitative emissions reductions commitments

Nairobi
Work Plan
AWG

1. The possible broadening of the coverage of GHGs, sectors and source categories

• Broadening of the coverage of GHGs:

- The IPCC AR4 documents new synthesis gases that could be included in the second commitment period

Semiconductor industry

NF3, HFCs, SO2F2

framing of timber (buildings, etc)

- The IPCC AR4 provides an assessment on the advantages of keeping the GWP approach / Alternative approaches (e.g. Global Temp. Potential)

- The IPCC AR4 provides better values for the GWP that could be used in the second commitment period

• Broadening of the coverage of sectors / source categories:

a category or flexibility?

For LULUCF: explore ways to include all managed lands and associated processes, rather than including only some nominated activities

- Biofuels
- Carbon Capture and Sequestration (CCS) ?
- Geoengineering ?
- (Wood products : now : IPCC 96 accounted for by the country in the year of harvesting) :

2. How approaches targeting sectoral emissions could be used by Annex I Parties as a means to reach their emission reduction targets

2) Type of target

Target to the sector $\frac{\text{Mtonnes}}{\text{CO}_2}$

3) Approach

Inclusion of the GHG emissions into the national assigned amounts

Avoid double targets \leftarrow country on top of that for the sector \leftarrow flexibility, comparability of effort, competitiveness

Reduction objectives of the sectors

4 Institutional aspects : who does the reporting

5 Leakage CDM : mandatory CDM activities for A-I in %, or sectors

Auctioning of the AA

6 International aviation and marine, Export Credit Agencies to help develop technologies Industrial sectors: Cement, Aluminum, Steel, Oil and gas extraction, Electricity generation, Technical regulations for equipment

2 Road transport: GHG exhaust for cars (x mg/km)

7)

Residential: Technical regulations for buildings, Technical regulations for appliances and lighting
 specif technology
 target by technology - phasing out/in

3. How approaches to limit or reduce emissions of GHGs from aviation and marine bunker fuels could be used by Annex I Parties as a means to reach their emission reduction targets, taking into account Article 2, paragraph 2, of the Kyoto Protocol

- Rationale : increase of emissions / marine : 77% of tonnage Dead Weight in A
- Data and methodologies are available for estimating GHG emissions
- Precondition to further progress: allocation has be agreed upon

- Target for the sector
- Inclusion of the GHG emissions into the national assigned amounts

- Avoid double targets
- ICAO - IMO : KP is responsible for GHG reductions

7 Emissions Pathways for sectors consistent with a single national / global target mid-term and long-term objectives

Categories of sect. approaches:

A ① bottom-up mitig. potential to determine net commit
IPCC, country level data necessary

B ② sectoral tech. cooperation
(including with A-I)

C ③ sectoral actions

qualit./quantit. goals (new coal plants as of 2015)

④ how to CCS; average emis. from coal in 2020 $\times 90\%$
100km

D ⑤ sector no-cost targets in developing countries
supported by A-I

E separate accounting outside national totals
no