

**AD HOC WORKING GROUP ON LONG-TERM COOPERATIVE ACTION
UNDER THE CONVENTION
Resumed seventh session
Barcelona, 2–6 November 2009**

**Quantifications included by Parties in their proposals on a long-term global goal
for emission reductions and on related medium-term goals**

Non-paper by the Chair

23/10/09

This non-paper presents quantifications included by Parties in their proposals on a long-term global goal for emission reductions and on related medium-term goals as contained in non-paper no. 33 (revised annex I to document FCCC/AWGLCA/2009/INF.2)¹ and non-paper no. 28 (revised annex III to document FCCC/AWGLCA/2009/INF.2)².

Issue	Contained in paragraph
LIMIT OF GLOBAL TEMPERATURE INCREASE (ABOVE THE PRE-INDUSTRIAL LEVEL)	
As contained in non-paper No. 33	
2 °C	18 Option 3
2 °C or below	18 Option 1; 18 <i>Alt. to options 1+2</i>
below 2 °C	19 Option 1
with a probability greater than 50 per cent of a temperature increase of less than 2 °C	18 Option 1; 18 <i>Alt. to options 1+2</i>
below 1.5 °C	18 Option 2; 18 <i>Alt. to options 1+2</i>
x degrees above the mid-19 th century levels	18 Option 5
As contained in non-paper No. 28	
limited to 2 °C	17
below 2 °C	16
as far as possible below 1.5 °C	15

STABILIZATION LEVEL (IN PPM CO₂ EQ)	
As contained in non-paper No. 33	
450 or lower / not more than 450 / least 450	18 Option 1; 18 <i>Alt. to options 1+2</i>
at 450	19 Option 2
at 400	18 Option 1; 18 <i>Alt. to options 1+2</i>
well below 350 / as far below 350 as possible	18 Option 2; 18 <i>Alt. to options 1+2</i> ; 15 <i>Alt. 2</i>
As contained in non-paper No. 28	
at 450	21
at 350	16
as far as possible below 350	15

¹ Contact group on a shared vision for long-term cooperative action. Non-paper by the facilitator (23/10/09).

² Contact group on enhanced action on mitigation and its associated means of implementation. Non-paper by the chair (9/10/09).

PEAKING YEAR(S) OF GLOBAL EMISSIONS	
As contained in non-paper No. 33	
in the next 10-20 years	20
in the next 10-15 years	20
by 2020 at the latest	20
in 2015 for developed country Parties and in 2025 for developing country Parties	20
by 2015	20
between 2010 and 2013	20
peak by [X] and then global GHG emissions reduce by [X] per cent by [X] on [X] levels	19 Option 2
decrease thereafter, and the annual max. reduction rate should be up to 4–5 per cent between 2015 and 2020	20
As contained in non-paper No. 28	
by 20XX	20
by 2015	15, 18

QUANTIFICATION OF A LONG-TERM GOAL FOR EMISSION REDUCTIONS	
As contained in non-paper No. 33	
<i>Global long-term goal for emission reductions</i>	
at least 50 per cent from 1990 levels by 2050	18 Option 1; 18 <i>Alt. to options 1+2</i> ; 19 Option 1
71-81 per cent from 1990 levels by 2050	18 Option 1; 18 Option 2; 18 <i>Alt. to options 1+2</i>
85 per cent from 1990 levels by 2050	18 Option 1; 18 Option 2; 18 <i>Alt. to options 1+2</i>
more than 85 per cent below 1990 levels by 2050	18 Option 1; 18 Option 2; 18 <i>Alt. to options 1+2</i>
at least 95 per cent below 1990 levels by 2050	18 Option 1; 18 Option 2; 18 <i>Alt. to options 1+2</i>
as a reduction in global average GHG emissions per capita to about 2 t CO ₂	18 Option 4
<i>Goal for developed countries</i>	
in the range of 75–85 per cent by 2050 compared to 1990 levels	21 (b)
by 80-95 per cent by 2050 compared to 1990 levels	21 (b)
by at least 85 per cent by 2050 compared to 1990 levels	21 (b)
by at least 90 per cent by 2050 compared to 1990 levels	21 (b)
by more than 95 per cent by 2050 compared to 1990 levels	21 (b)
<i>Goal for developing countries</i>	
be reduced by 25 per cent from 2000 levels by 2050.	23 Option 1 (b)
As contained in non-paper No. 28	
<i>Global long-term goal for emission reductions</i>	
50-85 per cent by 2050 compared with the 2000 level (to be adjusted in accordance with best available scientific information)	19

AD HOC WORKING GROUP ON LONG-TERM COOPERATIVE ACTION UNDER THE CONVENTION
Resumed seventh session, Barcelona, 2–6 November 2009

more than 85 per cent below 1990 levels by 2050	15
at least 95 per cent from 1990 levels by 2050	16
<i>Goal for developed countries</i>	
net emission reductions reductions of at least [80] per cent by 2050	27 (a) (i)

QUANTIFICATION OF A MEDIUM-TERM GOAL FOR EMISSION REDUCTIONS

As contained in non-paper No. 33

<i>Goal for developed countries by [2017][2020]</i>	
by 25–40 per cent from 1990 levels	21 (a)
by at least/more than 25–40 per cent from 1990 levels	21 (a)
in the order of 30 per cent from 1990 levels	21 (a)
by at least 40 per cent from 1990 levels	21 (a)
by 45 per cent from 1990 levels	21 (a)
by at least 45 per cent from 1990 levels	21 (a)
<i>Goal for developing countries</i>	
significantly deviate from the baseline by 2020	23 Option 1 (a)
deviate in the order of 15–30 per cent below the baseline / below business as usual by 2020	23 Option 1 (a); 23 Option 2

As contained in non-paper No. 28

<i>Global goal</i>	
at least 45 per cent from 1990 levels by 2020	16
<i>Goal for developed countries</i>	
25-40 per cent from 1990 levels by 2020	18, 20
<i>Goal for developing countries</i>	
significantly deviate from baselines by 2020	20
significantly deviate from business as usual by 15-30 per cent by 2020	18