

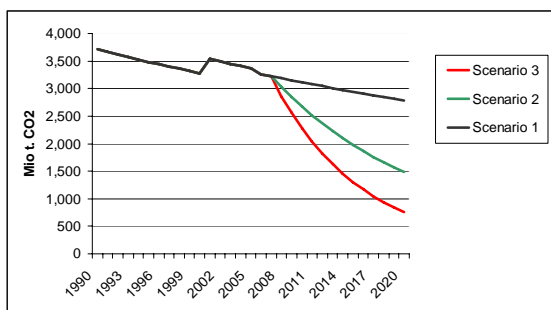
REDD: Potential supply for post-2012

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Side Event, Bali, 5 December 2007

REDD in the post-2012 regime



M3

- Brazil,
- Indonesia,
- Papua New Guinea and
- Democratic Republic of Congo.

Scenario 1: constant deforestation rate as in the period 2000-2005 M4
Scenario 2: deforestation rate decreases by 5% annually after 2008
Scenario 3: deforestation rate decreases by 10% annually after 2008



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Slide 2

M3 For area changes, we used FAO data on national forest area.

calculated forest area changes only for non-plantation forests .

We used the average deforestation rate between 1990 and 2000 for the past deforestation, and

the rate 2000-2005 for deforestation after 2000. The projections were initialized with forest area reported for the year 2005.

Area changes multiplied with carbon stock factors elaborated by Max Planck.

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M2 2: deforestation is reduced by 50% within a decade

3: deforestation is reduced by 50% within 5 years

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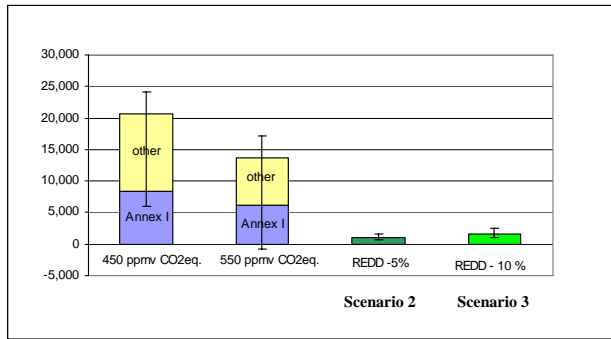
M4 The first scenario could be interpreted as business as usual without any changes in deforestation drivers since the year 2000.

The second and third scenarios mimic efforts for reducing deforestation at two levels of ambition. Our projections do not consider drivers in deforestation nor changes therein.

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M5
M6
M7

Potential Supply from REDD vs. Emission Reductions in 2020



Magnitude of potential supply:

Scenario 1:

5 % of necessary global emission reductions for 450ppm (8% for 550 ppm)

Scenario 2:

8% of necessary global emission reductions for 450 ppm (12 % for 550 ppm)



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M5 Kyoto cap: ca. 930 Mt CO₂

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M6 Values:

RED -5%: 1061 Mt CO₂

RED -10 %: 1658 MtC=2

vs. Kyoto cap 930 Mt CO₂

450ppm: 6000, 20600, 24000 MtCO₂

550ppm: -867, 13,656, 17,211

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M7 Figure 22 shows the potential reductions due to RED (from Brazil, Indonesia, PNG and Congo) as compared to the emission reductions in Non Annex I and Non-Annex I countries under the 450 ppmv and 550 ppmv scenario. The assumed Annex I GHG reduction target is - 35 % (450 ppmv) and -24 % (550ppmv) as compared to the level of emissions in 1990.

Mju, 12/5/2007