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Overview of EU's work on LULUCF data

LULUCF 1st October 2009



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30 July 2008 EU submission

- **Objective: assessment of different accounting options at EU level.**
- **Scope: all 3.3 and 3.4 activities**
- **Based on UNFCCC reporting**
- **Options assessed:**
 - from current rules to full land based accounting net/net.
- **2 reference periods for net/net accounting: 1990 and 1990-1999**



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3 June 2009 EU submission

- **Objective: assessment of 'Bar/Band' options at EU level.**
- **Based on UNFCCC reporting + preliminary elements of projection at EU level**
- **Options assessed in comparison with present rules:**
 - Discount factor
 - Bar and Bar/Band approaches based on historical base year or base period.
 - Bar approach using preliminary projections for the period 2013-2020
- **Reference levels used: 1990; 2001-2005; BAU projections(2013-2020).**



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EU submission on forest data (Sept. 2009)

- **Objective: provide available forest data to support the decision making process on LULUCF accounting rules**
- **Scope:**
 - forest area
 - GHG emissions and removals (FM, AR, D)
 - natural disturbances,
 - HWP (production and SCAD approaches).
- **Data provided at Member State level (27 countries) + aggregated at EU level.**



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Data and methodologies

- **When possible, based on international data bases: UNFCCC, FAO, UNECE, EFFIS.**
- **Updated with national data + projections when available** (see Annex for details).
- **Emissions and removals: data processed:**
 - attempting to match KP activities → disaggregation into A/R, D and FM
 - using K.Pingoud Model for HWP → IPCC defaults, FAO data; Approaches assessed: Production Approach + SCAD
- **Natural disturbances: area data only**



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Data coverage (1)

- Forest area: 25 Member States
- Emissions and removals:
 - Forest Management: 24 Member States
 - Afforestation / Reforestation: 19 Member States
 - Deforestation: 11 Member States



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Data coverage (2)

- **Natural disturbances:**
 - Fires:
 - Total burnt area for 20 countries (annual reporting)
 - Forest burnt area by 8 countries (annual reporting)
 - Other disturbances: less data available and often not comparable.
- **Wood products:**
 - Roundwood production: 27 countries
 - HWP: 27 countries



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Main findings

- Forest area: **155 Mha in 2007; +394 000 ha/yr since 1990.**
- Emissions and removals: **in 2007:**
 - Forest Management: -376 MtCO₂;
decreasing sink of 1,3MtCO₂/yr
 - A/R: -39 MtCO₂;
increasing sink of 2,1 MtCO₂/yr
 - Deforestation: 19 MtCO₂;
growing source of 0,2MtCO₂/yr



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Ongoing improvement

- **Regular data updates by Member States**
 - **Ongoing work on projections at Member State and EU levels**
- **updated and/or new data may be provided in the near future (e.g. for other 3.4 activities and projections).**