

Joint COST Action E31 and IEA Bioenergy Task 38 Workshop

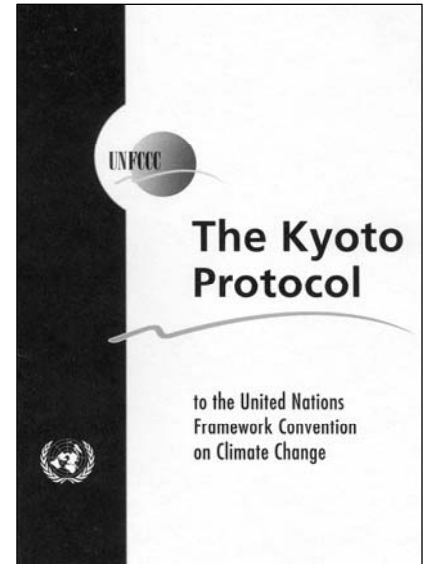
Greenhouse Gas Aspects of Biomass Cascading – Reuse, Recycling and Energy Generation

*Carbon sinks and forest products in the Kyoto
Process - current and future developments*

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Carbon accounting and reporting rules, guidance

- Kyoto Protocol sinks Arts 3.3, 3.4, 6, 12
- Marrakesh Accords
- IPCC GPG
- All issues resolved but after 7 years negotiation
- Next phase actual reporting and accounting of sinks – 'learning by doing'



Harvested Wood Products – current reporting/ accounting procedures

Emissions from wood biomass combustion reported but not accounted

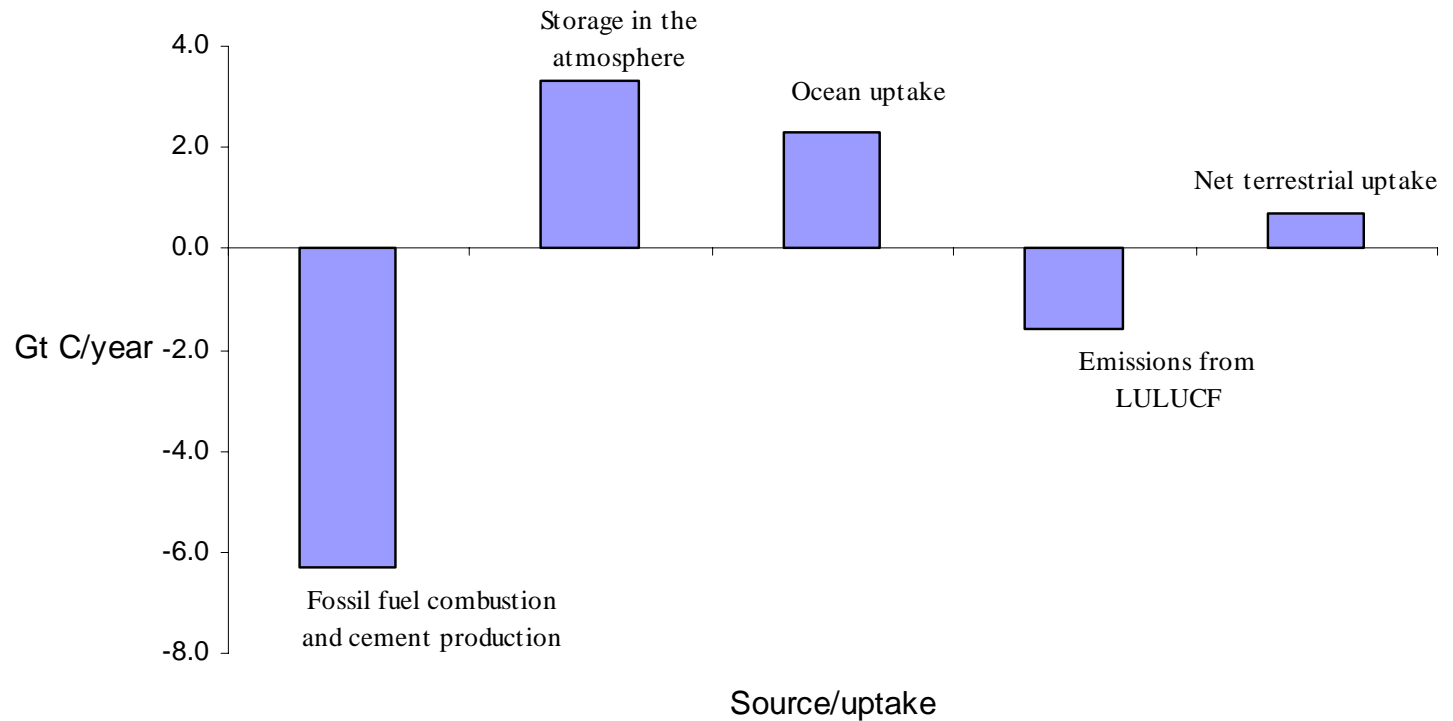
Not included in the Kyoto accounting framework

Optional estimation and reporting

Revised 1996 IPCC guidelines will address HWP estimation and reporting

Global picture

Atmospheric carbon increasing at a rate of 3.2 G t C y^{-1} (11.7 G t CO_2)



However, despite deforestation globally forests sequester a net 0.7 G t C/y, mainly in the boreal forest at high latitudes

HWP global scale and regional scale (FAO 2002)

Global annual wood harvest 0.9 – 1.1 G t C

Fuelwood 0.5 G t C

Roundwood 0.4 G t C of which

EU 25 0.08 G t C

Negotiations on HWP

2nd commitment period modalities need to be developed before 2008 at the latest

LULUCF will feature

As will HWP

Issues that need to be addressed in preparing the HWP negotiation process

- Increased understanding on technical concepts, terms, methodologies and political issues related to HWP as a basis for further consideration - hence the 1 August submission by Annex I parties
- Consideration of HWP in the wider context of the future treatment of LULUCF

Issues that need to be addressed in preparing the HWP negotiation process ctd

- Progress in estimation and reporting of wood products in GHG inventories under the Convention (IPCC revised guidelines process)
- Increased comparability of LULUCF GHG estimates for Parties that report HWP

Issues that need to be addressed in preparing the HWP negotiation process ctd

- Biomass burning to be continued to be treated as CO₂ neutral
- Careful consideration of inclusion of wood based stocks in waste sector
- No undesirable precedents for other energy sectors and avoid the creation of overall principles

Issues that need to be addressed in preparing the HWP negotiation process ctd

- Approaches: current IPCC default method plus voluntary reporting approaches as a starting point for reporting
- *Key deliverables are promotion of sustainable forest management and sustainable substitution of fossil fuels by wood biomass*

Approaches to reporting and (accounting) of HWP

The atmospheric flow method, by treating wood products like fossil fuels at the point of use for energy purposes, does not encourage use of wood as a biofuel

Conceptually different to stock change method used for forest sinks

During the negotiation process other initiatives and ways to address HWP are likely to arise

Industry has a significant interest in accounting approaches