FOREST CO₂ REMOVALS METHODOLOGY

ACTIVITY DATA
(Area stratified by forest type x age class)

Pre-2000 oil palm (Removed from forest extent)
Mangroves
Forest Type (Europe)
Plantations/Tree Crops
Forest Type (United States)
Young (<20 yr) Secondary Forests
Primary Forests
Old (>20 yr) Secondary Forests

x

REMOVAL FACTORS
(Stratified by forest type x age class)

Mangroves
Forest Type (Europe)
Plantations/Tree Crops
Forest Type (United States)
Young (<20 yr) Secondary Forests
Primary Forests
Old (>20 yr) Secondary Forests

x

 # YEARS OF GROWTH

No loss or gain	23
Loss only:	Loss Year - 1
Gain only:	10
Loss+gain:	(23-Loss Year)/2
	+ (Loss Year – 1)

(-)

GROSS CO₂ REMOVALS,
2001-2023

Biomass Gain Before Loss

C DENSITY IN YEAR OF LOSS

Aboveground biomass
Belowground biomass
Dead Wood
Litter
Soil organic Carbon

NET FOREST GHG FLUX,
2001-2023

FOREST GHG EMISSIONS METHODOLOGY

ACTIVITY DATA
(Loss stratified by disturbance type)

Loss Driver Commodity-Driven Deforestation
Shifting Agriculture
Urbanization
Forestry
Wildfire

Burned Areas Loss x Burned Area
Plantations Loss x Plantation x Organic Soil
Organic Soil

x

EMISSION FACTORS
(by disturbance type x C density in year of loss)

C density in year of loss   Commodity-Driven Deforestation
Soil type?   Shifting Agriculture
  Mineral ΔC factors   Urbanization
  Organic dranage factors   Forestry
Fire?   Wildfire
  Organic soil burn factors
  Biomass combustion factors

GROSS GHG EMISSIONS,
2001-2023

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