Data required for the estimates in the MRV tool

This method requires activity data (e.g. area) and forest parameters (e.g. increment, harvest) at either the aggregated (e.g. plantation management units) or disaggregated (e.g. compartment) scale of the land.

Data needs to be disaggregated by the activity, i.e. Forest management.

Table C.6: Data required for estimating ΔC living biomass (gain-loss method)

Facility ID	Enter the unique facility ID
Activity	Forest Management, Afforestation or Deforestation
Previous land use category	Forest Management, Afforestation, Deforestation, Grassland, Annual Cropland, Perennial Cropland or Other
Ownership	Company owned or 3rd party (please specify)
Species/Genus	Predominant species name
Age Category	Enter value, for afforested areas this should be the years since afforestation occurred
Area	Enter value in ha
Growing stock volume annual net increment	CAI or MAI* (optional for T3)
Factor for conversion to C biomass growth	Enter value or refer to **Sheet Supporting Calculations** (optional for T3)
Harvest volume, whole tree	Enter value in m^3/yr
Factor for conversion to C biomass loss	Enter value or refer to **Sheet Supporting Calculations** (optional for T3)
Living Biomass LOSS - Fuelwood Tree parts	Enter value in t C, assumed 0 in Tier 1 approach

** CAI = current annual increment, MAI = mean annual increment*

C.3.2.2. Living biomass pool: Stock-difference method

Sheet Land Stock-Difference Method in the MRV tool

The Stock-Difference method, as presented in the 2006 IPCC guidelines, requires biomass carbon stock inventories for a given land area, at two points in time[19]. Per unit of area at time t_2, the annual stock change is the difference between the carbon stock at time t_2 and time t_1, divided by the number of years between the two inventories[20].

[19] For further guidance on the stock-difference method, refer to Volume 4, Chapter 2 of 2006 IPCC Guidelines. https://www.ipcc-nggip.iges.or.jp/public/2006gl/vol4.html

[20] For further guidance on the stock-difference method, refer to Chapter 2 of 2013 IPCC KP Supplement. https://www.ipcc-nggip.iges.or.jp/public/kpsg/index.html