|  |
| --- |
| **Project Title** |
| ... |
| **Gold Standard ID** |
| … e.g. GS-0123 |
| **Type of Certification** |
| Initial Certification  Performance Certification  New Area Certification |

Please outline how your project meets each of the following requirements, referring to any *supporting documentation* where necessary. The formatting requirements provided in chapter 7.4 must be followed.

**Long-term CO2-Fixation**

**Certificates**

| 1. Existing ‘tree biomass’ from the carbon stock of the Baseline that is not removed shall be reflected in the growth-model. |
| --- |
| Relevant  Not relevant |
| ... |

| 1. A realistic survival-rate shall be reflected in the growth-model. |
| --- |
| ... |

Copy this table for the different growth-models. The detailed year-by-year growth-models shall be reflected in the ClimateProjects system or in a separated spreadsheet.

**Long-term CO2-Fixation tree biomass**

**Conversion Procedure**

Aboveground tree biomass = Stem volume \* Biomass Expansion Factor \* Wood density \* Carbon fraction \* C to CO2 factor

Belowground tree biomass = Aboveground tree biomass \* Root-to-Shoot ratio

| **Growth-model ID** | **…** e.g. Mixed oak 01 | |
| --- | --- | --- |
| **Applied for MUs** | **…** This growth-model applies to the following Modelling Units (MUs) - e.g. 001, 002, 003, etc. | |
| **Calculation model** | Option 1 - Selective harvesting  Option 1 - Conservation forest  Option 2 - Rotation forestry | |
| **Time period** | **…** years until the equilibrium or average stand biomass is reached. | |
| **Long-term CO2-Fixation tree biomass**  In the unit: [m3/ha] or [tdm/ha] | Long-term value: | **…**  **m3/ha**  **tdm/ha** |
| Growth-model: | Project-specific  Regional  National  International |
| Reference: | … |
| Justification of growth-model: | … How does this value provide the most accurate information for the project? | |
| **BEF** | Value: | **…** |
| Default value: | Project-specific  Regional  National  International  Gold Standard |
| Reference: | … |
| Justification of value: | … | |
| **Wood density** | Value: | **…** |
| Default value: | Project-specific  Regional  National  International  Gold Standard |
| Reference: | … |
| Justification of value: | … | |
| **Root-to-Shoot ratio** | Value: | **…** |
| Default value: | Project-specific  Regional  National  International  Gold Standard |
| Reference: | … |
| Justification of value: | … | |
| **Long-term CO2-Fixation**  [tCO2/ha] | **… tCO2/ha** | |

**Present CO2-Fixation**

**Certificates**

| 1. The number of sample plots of a *forest inventory* shall be sufficient to meet a MU precision with a maximum error of ±20% at a 90% confidence interval. Where the error is above 20%, the additional difference shall be deducted. Provide an overview for which MUs this requirement was relevant and describe the adaptation. |
| --- |
| ... |

Copy this table for different forest inventories of the Modelling Units (MUs).   
The detailed year-by-year growth-models shall be reflected in the ClimateProjects system or in a separated spread sheet.

**Present CO2-fixation**

Summary of a forest inventory

| Forest inventory ID | **…** Give this summary of a forest inventory an ID | |
| --- | --- | --- |
| **This inventory is for the Modelling Unit (MU)** | … | |
| Size of the MU | … ha | **Responsible for the inventory** … Name and contact details; email and phone |
| Date of inventory | … month and year |
| Shape of sample plots | Circular  Rectangular  Other, … |
| Size of sample plots | … m2 |
| Number of sample plots | … |
| Precision level | … % |
| Sample plots with slopes >10% | Yes  No |
| Name of reference document | … Spread sheet where the inventory is documented |
| **Result of the inventory** | **… m3 stem volume per ha** | |
| Inventory was executed in order to adapt the growth-model | … | |
| How does the inventory adapt / confirm the growth-model | This inventory leads to a  confirmation  adaptation of the existing growth-model.  … description / justification | |
| **Present CO2-fixation** | **… tCO2/ha** | |