**Gold Standard for the Global Goals**

**Template –Baseline for Afforestation and Reforestation Projects**



**Version 1 – July 2017**

**SECTION A. PROJECT DESCRIPTION**

**A. 1. Title of the project**

Title:

Date:

Version no.:

Gold Standard ID:

**SECTION B. BASELINE**

*>>Please outline how your project meets each of the following requirements, referring to any supporting documentation where necessary*

| **To determine the Baseline of the eligible planting area the land shall be**  **stratified according to its vegetation types (grassland, bushland, etc.)** | |
| --- | --- |
| **(a)** | **… Describe the process of stratification.** |

| **To determine the Baseline of the eligible planting area the land shall be**  **for each of these strata, scientifically based *local[[1]](#footnote-1)*, regional or national *default values*  shall be found which state the biomass of these vegetation types.**  ***International default values[[2]](#footnote-2)* from the IPCC shall only be used if no other values are available.** | |
| --- | --- |
| **(b)** | **Overview of the different baseline strata and the results of the baseline determination. The individual calculation of each stratum is in the boxes below.**   |  | **Stratum ID** | **Baseline tree biomass** | **Baseline non-tree biomass** | | --- | --- | --- | --- | | **Stratum** | **…** | **… tCO2** | **… tCO2** | | **Stratum** | **…** | **… tCO2** | **… tCO2** | | **Stratum** | **…** | **… tCO2** | **… tCO2** | | **Stratum** | **…** | **… tCO2** | **… tCO2** | | **Total** |  | **… tCO2** | **… tCO2** | |  | **Eligible planting area** | **… ha**  **… ha** | | |  | **Baseline** | **… tCO2/ha**  **… tCO2/ha** | | |

**Copy this table for each different strata.**

**Baseline 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

| **Stratum ID** | **… e.g. Dense Shrubland 01** | | | |
| --- | --- | --- | --- | --- |
| **Baseline tree biomass**  **In the unit: [m3/ha] or [tdm/ha]** | **Value:** | | **…  m3/ha  tdm/ha** | |
| **Default value:** | | **Project-specific  Regional  National  International  Gold Standard** | |
| **Reference:** | | **…** | |
| **Justification of value:** | **… How does this value provide the most accurate information for your 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:** | **…** | | | |
| **Baseline tree biomass [tCO2/ha]** | **… tCO2/ha** | | | |
| **Area (of this stratum)** | **Area:** | | | **… ha** |
| **Baseline tree biomass [tCO2]** | | **… tCO2** | | |

**Copy this table for different strata.**

**Conversion Procedure**

Aboveground non-tree biomass = Dry biomass \* Carbon fraction \* C to CO2 factor

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

**Baseline non-tree biomass**

| **Stratum ID** | **… e.g. Grassland 01** | | |
| --- | --- | --- | --- |
| **Baseline non-tree biomass [tdm/ha]** | **Value:** | **… tdm/ha** | |
| **Default value:** | **Project-specific  Regional  National  International  Gold Standard** | |
| **Reference:** | **…** | |
| **Justification of value:** | **… How does this value provide the most accurate information for your project?** | | |
| **Root-to-Shoot ratio** | **Value:** | **…** | |
| **Default value:** | **Project-specific  Regional  National  International  Gold Standard** | |
| **Reference:** | **…** | |
| **Justification of value:** | **…** | | |
| **Baseline non-tree biomass [tCO2/ha]** | **… tCO2/ha** | | |
| **Area (of this stratum)** | **Area:** | | **… ha** |
| **Baseline non-tree biomass [tCO2]** | **… tCO2** | | |

1. Local default values Local *default values* are project area specific value generated through a ‘tree’ and ‘non-tree’ inventory on the project area. [↑](#footnote-ref-1)
2. International default values International *default values* are found e.g. in the *IPCC Guidelines for National GHG Inventories*: <http://www.ipcc-nggip.iges.or.jp/public/2006gl/pdf/4_Volume4/V4_04_Ch4_Forest_Land.pdf> [↑](#footnote-ref-2)