

**Project Evaluation Series**

**Terminal evaluation of the project  
“Mainstreaming biodiversity  
conservation, sustainable forest  
management and carbon sink  
enhancement into Mongolia’s  
productive forest landscapes”**

**Project code: GCP/MON/008/GFF  
GEF ID: 4744**

**Annex 4. Summary of carbon storage study 2017 and 2019**

**FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS  
Rome, 2020**

|   | 2017              | 2019              |
|---|-------------------|-------------------|
| <b>16 Advanced-FUGs</b>                                 |                   |                   |
| <b>Total forest area, ha</b>                            | <b>60 747</b>     | <b>60 747</b>     |
| Growing stock per 1 ha, m3/ha                           | 118.25            | 120.27            |
| Annual increment, m3/ha                                 | 1.04              | 1.04              |
| Above ground biomass per 1 ha, tonnes.d.m./ha           | 80.28             | 81.63             |
| Above and below ground biomass per 1 ha, tonnes.d.m./ha | 111.59            | 113.47            |
| Total carbon stock of forest per 1 ha, tonnes.d.m./ha   | 56.62             | 57.57             |
| Total above and below ground biomass tonnes.d.m.        | 6 778 779         | 6 892 660         |
| Total carbon stock of forest, tonnes.d.m.               | <b>3 439 623</b>  | <b>3 497 039</b>  |
| Forest carbon sequestration, tCO2/yr                    | <b>104 105</b>    | <b>149 830</b>    |
| <b>85-Other FUGs</b>                                    |                   |                   |
| <b>Total forest area, ha</b>                            | 222 280           | 222 280           |
| Growing stock per 1 ha, m3/ha                           | 118.25            | 120.27            |
| Annual increment, m3/ha                                 | 1.14              | 1.14              |
| Above ground biomass per 1 ha, tonnes.d.m./ha           | 76.10             | 79.15             |
| Above and below ground biomass per 1 ha, tonnes.d.m./ha | 105.77            | 110.02            |
| Total carbon stock of forest per 1 ha, tonnes.d.m./ha   | 53.66             | 55.82             |
| Total above and below ground biomass tonnes.d.m.        | 23 511 370        | 24 456 490        |
| Total carbon stock of forest, tonnes.d.m.               | <b>11 928 345</b> | <b>12 407 563</b> |
| Forest carbon sequestration, tCO2/yr                    | <b>306 392</b>    | <b>612 785</b>    |
| <b>101 FUGs</b>   |                   |                   |
| <b>Total forest area, ha</b>                            | 283 027           | 283 027           |
| Growing stock per 1 ha, m3/ha                           | 113               | 117.01            |
| Annual increment, m3/ha                                 | 1.12              | 1.12              |
| Above ground biomass per 1 ha, tonnes.d.m./ha           | 76.76             | 79.54             |
| Above and below ground biomass per 1 ha, tonnes.d.m./ha | 106.69            | 110.57            |
| Total carbon stock of forest per 1 ha, tonnes.d.m./ha   | 54.13             | 56.10             |
| Total above and below ground biomass tonnes.d.m.        |                   | 31 293 475        |
| <b>Total carbon stock of forest, tonnes.d.m.</b>        | <b>15 320 393</b> | <b>15 876 496</b> |
| <b>Forest carbon sequestration, tCO2/yr</b>             | <b>383 605</b>    | <b>767 284</b>    |