

GLOBAL FOREST RESOURCES ASSESSMENT 2015

COUNTRY REPORT

**South Sudan**

Rome, 2014

FAO, at the request of its member countries, regularly monitors the world's forests and their management and uses through the Global Forest Resources Assessment (FRA). This country report is prepared as a contribution to the FAO publication, the Global Forest Resources Assessment 2015 (FRA 2015).

The content and the structure are in accordance with the recommendations and guidelines given by FAO in the document Guide for country reporting for FRA 2015 (<http://www.fao.org/3/a-au190e.pdf>). These reports were submitted to FAO as official government documents.

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## Report preparation and contact persons

### Contact persons

The present report was prepared by the following person(s)

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| N/A                            | N/A   | N/A               | N/A    |
| N/A                            | N/A   | N/A               | N/A    |
| N/A                            | N/A   | N/A               | N/A    |

### Introductory Text

Place an introductory text on the content of this report

Situation in South Sudan: it is the first time that South Sudan is reporting FRA and the data are scarce so far.

The main sources are :

- The Ministry in charge is the Ministry of Agriculture, Forestry, Tourism, Animal Resources, Fisheries, Cooperative and Rural Development.
- FAO 2011 Atlas
- Remote Sensing studies and FAO 2011 Atlas.

### Desk Study?

| Check "yes" if this survey is a Desk Study, "no" otherwise |    |
|--|----|
| Desk Study?  | no |

## 1. What is the area of forest and other wooded land and how has it changed over time?

Documents for this question:

- [Guide for country reporting FRA 2015](#)
- [FRA 2015 Terms and Definitions](#)

### 1.1 Categories and definitions

| Category  | Definition  |
|---|---|
| Forest  | Land spanning more than 0.5 hectares with trees higher than 5 meters and a canopy cover of more than 10 percent or trees able to reach these thresholds in situ. It does not include land that is predominantly under agricultural or urban land use.   |
| Other wooded land   | Land not classified as "Forest" spanning more than 0.5 hectares with trees higher than 5 meters and a canopy cover of 5-10 percent or trees able to reach these thresholds ; or with a combined cover of shrubs bushes and trees above 10 percent. It does not include land that is predominantly under agricultural or urban land use. |
| Other land  | All land that is not classified as "Forest" or "Other wooded land".   |
| ...of which with tree cover ( <i>sub-category</i> )             | Land considered as "Other land", that is predominantly agricultural or urban lands use and has patches of tree cover that span more than 0.5 hectares with a canopy cover of more than 10 percent of trees able to reach a height of 5 meters at maturity. It includes bothe forest and non-forest tree species.                        |
| Inland water bodies   | Inland water bodies generally include major rivers, lakes and water reservoirs.   |
| Forest expansion  | Expansion of forest on land that, until then, was not defined as forest.  |
| ...of which afforestation ( <i>sub-category</i> )               | Establishment of forest through planting and/or deliberate seeding on land that, until then, was not defined as forest.   |
| ...of which natural expansion of forest ( <i>sub-category</i> ) | Expansion of forests through natural succession on land that, until then, was under another land use (e.g. forest succession on land previously used for agriculture).  |
| Deforestation   | The conversion of forest to other land use or the longterm reduction of the tree canopy cover below the minimum 10 percent threshold.   |
| ...of which human induced ( <i>sub-category</i> )               | Human induced conversion of forest to other land use or the permanent reduction of the tree canopy cover below the minimum 10 percent threshold.  |
| Reforestation   | Natural regeneration or re-establishment of forest through planting and/or deliberate seeding on land already in forest land use.   |
| ...of which artificial reforestation ( <i>sub-category</i> )    | Re-establishment of forest through planting and/or deliberate seeding on land already in forest land use.   |

### 1.2 National data

#### 1.2.1 Data sources

|   | References to sources of information | Variables         | Years | Additional comments |
|---|--------------------------------------|-------------------|-------|---------------------|
| 1 | National Remote Sensing based study  | forest            | 2013  | validated           |
| 2 | National Remote Sensing based study  | other wooded land | 2013  | validated           |

|   |                                     |            |      |           |
|---|-------------------------------------|------------|------|-----------|
| 3 | National Remote Sensing based study | other land | 2013 | validated |
| 4 | FAO atlas 2011                      | water      | 2011 | N/A       |

### 1.2.2 Classification and definitions

| National class | Definition  |
|----------------|-------------|
| Forest         | Same as FRA |
| N/A            | N/A         |
| N/A            | N/A         |
| N/A            | N/A         |

### 1.2.3 Original data

The data comes from a Remote sensing study carried out in 2013 to detect land-cover and forest land-use at a national scale, from landsat 8 imagery.

The methodology and calculation are presented in the technical report available at [http://foris.fao.org/meetings/download/\\_2013/south\\_sudan\\_fra\\_2015\\_national\\_remote\\_sensing\\_works/misc\\_documents/ssd\\_technical\\_report\\_forest\\_2013.pdf](http://foris.fao.org/meetings/download/_2013/south_sudan_fra_2015_national_remote_sensing_works/misc_documents/ssd_technical_report_forest_2013.pdf)

The results gave the following cover for the FRA classes in 2013

|                   | (1000 ha) | (% total) |
|-------------------|-----------|-----------|
| Forest            | 7157      | 11.3%     |
| Other wooded land | 32582     | 51.6%     |
| Other land        | 23434     | 37.1%     |
| Total             | 63173     | 100.0%    |

## 1.3 Analysis and processing of national data

### 1.3.1 Adjustment

FAO STAT data is not available, total land area used was derived from the remote sensing study

## 1.3.2 Estimation and forecasting

In absence of any other reliable data compliant with the FRA definitions for the boundaries of South Sudan, the data for 2013 of Forest, Other Wooded Land and Other Land were used as a proxy for 1990, 2000, 2010 and 2015.

This is a strong assumption that will require further evaluation in the coming years, using archived satellite data to go back to these years.

It is the best estimate we can however provide at the moment

## 1.3.3 Reclassification

The same classes used as FRA

## 1.4 Data

Table 1a













| Categories  |                              | Area (000 hectares) |          |          |          |          |
|---|------------------------------|---------------------|----------|----------|----------|----------|
|   |                              | 1990                | 2000     | 2005     | 2010     | 2015     |
|  | Forest                       | 7157                | 7157     | 7157     | 7157     | 7157     |
|  | Other wooded land            | 32582               | 32582    | 32582    | 32582    | 32582    |
|  | Other land                   | 23434               | 23434    | 23434    | 23434    | 23434    |
|  | ... of which with tree cover | N/A                 | N/A      | N/A      | N/A      | N/A      |
|  | Inland water bodies          | 444                 | 444      | 444      | 444      | 444      |
|   | TOTAL                        | 63617.00            | 63617.00 | 63617.00 | 63617.00 | 63617.00 |

Table 1b

| Categories  |  | Annual forest establishment / loss (000 hectares per year) |      |      |      | ...of which of introduced species (000 hectares per year) |      |      |      |
|---|--|--|------|------|------|---|------|------|------|
|   |  | 1990   | 2000 | 2005 | 2010 | 1990  | 2000 | 2005 | 2010 |
|  | Forest expansion                         | N/A  | N/A  | N/A  | N/A  | N/A   | N/A  | N/A  | N/A  |
|  | ... of which afforestation               | N/A  | N/A  | N/A  | N/A  | N/A   | N/A  | N/A  | N/A  |
|  | ... of which natural expansion of forest | N/A  | N/A  | N/A  | N/A  | N/A   | N/A  | N/A  | N/A  |
|  | Deforestation                            | N/A  | N/A  | N/A  | N/A  | N/A   | N/A  | N/A  | N/A  |

|   |                            |     |     |     |     |     |     |     |     |
|---|----------------------------|-----|-----|-----|-----|-----|-----|-----|-----|
|  | ... of which human induced | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
|  | Reforestation              | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
|  | ... of which artificial    | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |

## Tiers

| Category          | Tier for status | Tier for reported trend |
|-------------------|-----------------|-------------------------|
| Forest            | Tier 2          | Tier 1                  |
| Other wooded land | Tier 2          | Tier 1                  |
| Forest expansion  | Tier 1          | Tier 1                  |
| Deforestation     | Tier 1          | Tier 1                  |
| Reforestation     | Tier 1          | Tier 1                  |

## Tier criteria

| Category  | Tier for status  | Tier for reported trend  |
|---|--|--|
| <ul style="list-style-type: none"> <li>• Forest</li> <li>• Other wooded land</li> <li>• Afforestation</li> <li>• Reforestation</li> <li>• Natural expansion of forest</li> <li>• Deforestation</li> </ul> | <p><b>Tier 3</b> : Data sources: Either recent (less than 10 years ago) National Forest Inventory or remote sensing, with ground truthing, or programme for repeated compatible NFIs</p> <p><b>Tier 2</b> : Data sources: Full cover mapping / remote sensing or old NFI (more than 10 years ago)</p> <p><b>Tier 1</b> : Other</p> | <p><b>Tier 3</b> : Estimate based on repeated compatible tiers 3 (tier for status)</p> <p><b>Tier 2</b> : Estimate based on repeated compatible tier 2 or combination tier 3 and 2 or 1 (tier for status)</p> <p><b>Tier 1</b> : Other</p> |

## 1.5 Comments

| Category                   | Comments related to data definitions etc | Comments on the reported trends |
|----------------------------|--|---------------------------------|
| Forest                     | The same as FRA                          | N/A                             |
| Other wooded land          | The same as FRA                          | N/A                             |
| Other land                 | The same as FRA                          | N/A                             |
| Other land with tree cover | The same as FRA                          | N/A                             |
| Inland water bodies        | The same as FRA                          | N/A                             |
| Forest expansion           | The same as FRA                          | N/A                             |
| Deforestation              | The same as FRA                          | N/A                             |
| Reforestation              | The same as FRA                          | N/A                             |



---

| <b>Other general comments to the table</b> |
|--|
|--|

|   |
|---|
| No Scientific research was carried so far since South Sudan has become independent. |
|---|

## 2. What is the area of natural and planted forest and how has it changed over time?

Documents for this question:

- [Guide for country reporting FRA 2015](#)
- [FRA 2015 Terms and Definitions](#)

### 2.1 Categories and definitions

| Term  | Definition  |
|---|---|
| Naturally regenerated forest                              | Forest predominantly composed of trees established through natural regeneration.  |
| Naturalized introduced species                            | Other naturally regenerated forest where the tree species are predominantly non-native and do not need human help to reproduce/maintain populations over time.  |
| Introduced species  | A species, subspecies or lower taxon occurring <b>outside</b> its natural range (past or present) and dispersal potential (i.e. outside the range it occupies naturally or could occupy without direct or indirect introduction or care by humans). |
| Category  | Definition  |
| Primary forest  | Naturally regenerated forest of native species where there are no clearly visible indications of human activities and the ecological processes are not significantly disturbed.   |
| Other naturally regenerated forest                        | Naturally regenerated forest where there are clearly visible indications of human activities.   |
| ...of which of introduced species ( <i>sub-category</i> ) | Other naturally regenerated forest where the trees are predominantly of introduced species.   |
| ...of which naturalized ( <i>sub-sub category</i> )       | Other naturally regenerated forest where the trees are predominantly of naturalized introduced species.   |
| Planted forest  | Forest predominantly composed of trees established through planting and/or deliberate seeding.  |
| ...of which of introduced species ( <i>sub-category</i> ) | Planted forest where the planted/seeded trees are predominantly of introduced species.  |
| Mangroves   | Area of forest and other wooded land with mangrove vegetation.  |
| ...of which planted ( <i>sub-category</i> )               | Mangroves predominantly composed of trees established through planting.   |

### 2.2 National data

#### 2.2.1 Data sources

|   | References to sources of information | Variables                      | Years | Additional comments  |
|---|--------------------------------------|--------------------------------|-------|--|
| 1 | N/A                                  | Naturally regenerated forest   | 2013  | South Sudan has no National Inventory since it has independent |
| 2 | N/A                                  | Naturalized introduced species | 2013  | South Sudan has no National Inventory since it has independent |
| 3 | N/A                                  | Introduced species             | 2013  | South Sudan has no National Inventory since it has independent |

|   |     |                |      |  |
|---|-----|----------------|------|--|
| 4 | N/A | Primary forest | 2013 | South Sudan has no National Inventory since it has independent |
| 5 | N/A | Planted forest | 2013 | N/A  |
| 6 | N/A | Mangroves      | 2013 | N/A  |

### 2.2.2 Classification and definitions

| National class                 | Definition      |
|--------------------------------|-----------------|
| Naturally regenerated forest   | The same as FRA |
| Naturalized introduced species | The same as FRA |
| Introduced species             | The same as FRA |
| Primary forest                 | The same as FRA |
| Planted forest                 | The same as FRA |
| Mangroves                      | The same as FRA |

### 2.2.3 Original data

|    |
|----|
| NA |
|----|

## 2.3 Analysis and processing of national data

### 2.3.1 Adjustment

|    |
|----|
| NA |
|----|

### 2.3.2 Estimation and forecasting

|    |
|----|
| NA |
|----|

### 2.3.3 Reclassification

|    |
|----|
| NA |
|----|

## 2.4 Data

Table 2a







| Categories  |                                    | Forest area (000 hectares) |      |      |      |      |
|---|------------------------------------|----------------------------|------|------|------|------|
|   |                                    | 1990                       | 2000 | 2005 | 2010 | 2015 |
|  | Primary forest                     | N/A                        | N/A  | N/A  | N/A  | N/A  |
|  | Other naturally regenerated forest | N/A                        | N/A  | N/A  | N/A  | N/A  |
|  | ... of which of introduced species | N/A                        | N/A  | N/A  | N/A  | N/A  |
|  | ... of which naturalized           | N/A                        | N/A  | N/A  | N/A  | N/A  |
|  | Planted forest                     | N/A                        | N/A  | N/A  | N/A  | N/A  |
|  | ... of which of introduced species | N/A                        | N/A  | N/A  | N/A  | N/A  |
| TOTAL   |                                    | .00                        | .00  | .00  | .00  | .00  |

Table 2b

| Primary forest converted to (000 ha) |         |            |                            |         |            |                            |         |            |
|--------------------------------------|---------|------------|----------------------------|---------|------------|----------------------------|---------|------------|
| 1990-2000                            |         |            | 2000-2010                  |         |            | 2010-2015                  |         |            |
| Other natural regeneration           | Planted | Other land | Other natural regeneration | Planted | Other land | Other natural regeneration | Planted | Other land |
| N/A                                  | N/A     | N/A        | N/A                        | N/A     | N/A        | N/A                        | N/A     | N/A        |

Table 2c

| Categories                 | Area (000 hectares) |      |      |      |      |
|----------------------------|---------------------|------|------|------|------|
|                            | 1990                | 2000 | 2005 | 2010 | 2015 |
| Mangroves (forest and OWL) | 0                   | 0    | 0    | 0    | 0    |
| ... of which planted       | N/A                 | N/A  | N/A  | N/A  | N/A  |

## Tiers

| Category                           | Tier for status | Tier for reported trend |
|------------------------------------|-----------------|-------------------------|
| Primary forest                     | Tier 1          | Tier 1                  |
| Other naturally regenerated forest | Tier 1          | Tier 1                  |
| Planted forest                     | Tier 1          | Tier 1                  |
| Mangroves                          | Tier 1          | Tier 1                  |

## Tier Criteria

| Category   | Tier for status  | Tier for reported trend  |
|--|--|--|
| Primary forest/Other naturally regenerated forest/Planted forest | <p><b>Tier 3</b> : Data sources: Recent (less than 10 years) National Forest Inventory or remote sensing with ground truthing or data provided by official agencies or programme for repeated compatible NFIs</p> <p><b>Tier 2</b> : Data sources: Full cover mapping/ remote sensing or old NFI (more than 10 years)</p> <p><b>Tier 1</b> : Other</p> | <p><b>Tier 3</b> : Estimate based on repeated compatible tiers 3 (tier for status)</p> <p><b>Tier 2</b> : Estimate based on repeated compatible tier 2 or combination tier 3 and 2 or 1 (tier for status)</p> <p><b>Tier 1</b> : Other</p> |

## 2.5 Comments

| Category                            | Comments related to data definitions etc | Comments on reported trend |
|-------------------------------------|--|----------------------------|
| Primary forest                      | The same as FRA                          | N/A                        |
| Other naturally regenerating forest | The same as FRA                          | N/A                        |
| Planted forest                      | The same as FRA                          | N/A                        |
| Mangroves                           | The same as FRA                          | N/A                        |

## Other general comments to the table

South Sudan has no specific definition and we dont have any data to be reported

### 3. What are the stocks and growth rates of the forests and how have they changed?

Documents for this question:

- [Guide for country reporting FRA 2015](#)
- [FRA 2015 Terms and Definitions](#)

#### 3.1 Categories and definitions

| Category                       | Definition   |
|--------------------------------|--|
| Growing stock                  | Volume over bark of all living trees with a minimum diameter of 10 cm at breast height (or above buttress if these are higher). Includes the stem from ground level up to a top diameter of 0 cm, excluding branches.  |
| Net Annual Increment (NAI)     | Average annual volume of gross increment over the given reference period less that of natural losses on all trees, measured to minimum diameters as defined for "Growing stock".   |
| Above-ground biomass           | All living biomass above the soil including stem stump branches bark seeds and foliage.  |
| Below-ground biomass           | All biomass of live roots. Fine roots of less than 2 mm diameter are excluded because these often cannot be distinguished empirically from soil organic matter or litter.  |
| Dead wood                      | All non-living woody biomass not contained in the litter either standing lying on the ground or in the soil. Dead wood includes wood lying on the surface dead roots and stumps larger than or equal to 10 cm in diameter or any other diameter used by the country.               |
| Carbon in above-ground biomass | Carbon in all living biomass above the soil including stem stump branches bark seeds and foliage.  |
| Carbon in below-ground biomass | Carbon in all biomass of live roots. Fine roots of less than 2 mm diameter are excluded because these often cannot be distinguished empirically from soil organic matter or litter.  |
| Carbon in dead wood            | Carbon in all non-living woody biomass not contained in the litter, either standing, lying on the ground, or in the soil. Dead wood includes wood lying on the surface, dead roots and stumps larger than or equal to 10 cm in diameter or any other diameter used by the country. |
| Carbon in litter               | Carbon in all non-living biomass with a diameter less than the minimum diameter for dead wood (e.g. 10 cm ) lying dead in various states of decomposition above the mineral or organic soil.   |
| Soil carbon                    | Organic carbon in mineral and organic soils (including peat) to a soil depth of 30 cm.   |

#### 3.2 National data

##### 3.2.1 Data sources

|   | References to sources of information | Variables                  | Years | Additional comments     |
|---|--------------------------------------|----------------------------|-------|-------------------------|
| 1 | FRA 2010                             | Growing stock              | 2010  | combine data with Sudan |
| 2 | N/A                                  | Net Annual Increment (NAI) | 2010  | combine data with Sudan |
| 3 | N/A                                  | Above-ground biomass       | 2010  | combine data with Sudan |
| 4 | N/A                                  | Below-ground biomass       | 2010  | combine data with Sudan |
| 5 | N/A                                  | Dead wood                  | 2010  | combine data with Sudan |

|    |     |                                |      |                         |
|----|-----|--------------------------------|------|-------------------------|
| 6  | N/A | Carbon in above-ground biomass | 2010 | combine data with Sudan |
| 7  | N/A | Carbon in below-ground biomass | 2010 | combine data with Sudan |
| 8  | N/A | Carbon in dead wood            | 2010 | combine data with Sudan |
| 9  | N/A | Carbon in litter               | 2010 | combine data with Sudan |
| 10 | N/A | Soil carbon                    | 2010 | combine data with Sudan |

### 3.2.2 Classification and definitions

| National class | Definition |
|----------------|------------|
| N/A            | N/A        |
| N/A            | N/A        |
| N/A            | N/A        |
| N/A            | N/A        |

### 3.2.3 Original data

|                   | (1000 ha) | (% total) |
|-------------------|-----------|-----------|
| Forest            | 7157      | 11.3%     |
| Other wooded land | 32582     | 51.6%     |
| Other land        | 23434     | 37.1%     |
| Total             | 63173     | 100.0%    |

## 3.3 Analysis and processing of national data

### 3.3.1 Adjustment

|  |
|--|
|  |
|--|

### 3.3.2 Estimation and forecasting

|  |
|--|
|  |
|--|

## 3.3.3 Reclassification

## 3.4 Data

Table 3a




| Category  |                          | Growing stock volume (million m <sup>3</sup> over bark) |      |      |      |      |                   |      |      |      |      |
|---|--------------------------|---|------|------|------|------|-------------------|------|------|------|------|
|   |                          | Forest  |      |      |      |      | Other wooded land |      |      |      |      |
|   |                          | 1990  | 2000 | 2005 | 2010 | 2015 | 1990              | 2000 | 2005 | 2010 | 2015 |
|  | Total growing stock      | N/A   | N/A  | N/A  | N/A  | N/A  | N/A               | N/A  | N/A  | N/A  | N/A  |
|  | ... of which coniferous  | N/A   | N/A  | N/A  | N/A  | N/A  | N/A               | N/A  | N/A  | N/A  | N/A  |
|  | ... of which broadleaved | N/A   | N/A  | N/A  | N/A  | N/A  | N/A               | N/A  | N/A  | N/A  | N/A  |

Table 3b

| Category/Species name |                        |             | Growing stock in forest (million cubic meters) |      |      |       |
|-----------------------|------------------------|-------------|--|------|------|-------|
| Rank                  | Scientific name        | Common name | 1990   | 2000 | 2005 | 2010  |
| 1 st                  | Acacia senegal         | N/A         | N/A  | N/A  | N/A  | 4.36  |
| 2 nd                  | Anogeissus leiocarpus  | N/A         | N/A  | N/A  | N/A  | 13.22 |
| 3 rd                  | Acacia seyal           | Tellah      | N/A  | N/A  | N/A  | 20.36 |
| 4 th                  | Acacia tortilis        | N/A         | N/A  | N/A  | N/A  | 3.48  |
| 5 th                  | Ziziphus spina-christi | Nabaga      | N/A  | N/A  | N/A  | 2.78  |
| 6 th                  | Khaya senegalensis     | Mahagony    | N/A  | N/A  | N/A  | 2.63  |
| 7 th                  | Acacia nilotica        | Garad       | N/A  | N/A  | N/A  | 0.95  |
| 8 th                  | Isoberlinia doka       | NA          | N/A  | N/A  | N/A  | 0.44  |
| 9 th                  | Albizzia amara         | Dikin basha | N/A  | N/A  | N/A  | 11.25 |
| 10 th                 | Balanites aegyptia     | lalob       | N/A  | N/A  | N/A  | 40.66 |
| Remaining             |                        |             | N/A  | N/A  | N/A  | N/A   |



|       |  |  |     |     |     |        |
|-------|--|--|-----|-----|-----|--------|
| TOTAL |  |  | .00 | .00 | .00 | 100.13 |
|-------|--|--|-----|-----|-----|--------|

**THE PRE-FILLED VALUES FOR GROWING STOCK REFER TO THE FOLLOWING THRESHOLD VALUES (SEE TABLE BELOW)**

| Item  | Value | Complementary information |
|---|-------|---------------------------|
| Minimum diameter (cm) at breast height of trees included in growing stock (X)     | NA    | NA                        |
| Minimum diameter (cm) at the top end of stem for calculation of growing stock (Y) | NA    | NA                        |
| Minimum diameter (cm) of branches included in growing stock (W)                   | NA    | NA                        |
| Volume refers to above ground (AG) or above stump (AS)                            | NA    | NA                        |

**PLEASE NOTE THAT THE DEFINITION OF GROWING STOCK HAS CHANGED AND SHOULD BE REPORTED AS GROWING STOCK DBH 10 CM INCLUDING THE STEM FROM GROUND LEVEL UP TO A DIAMETER OF 0 CM, EXCLUDING BRANCHES.**

Table 3c














| Category  |                          | Net annual increment (m <sup>3</sup> per hectare and year) |      |      |      |      |
|---|--------------------------|--|------|------|------|------|
|   |                          | Forest   |      |      |      |      |
|   |                          | 1990   | 2000 | 2005 | 2010 | 2015 |
|  | Net annual increment     | N/A  | N/A  | N/A  | N/A  | N/A  |
|  | ... of which coniferous  | N/A  | N/A  | N/A  | N/A  | N/A  |
|  | ... of which broadleaved | N/A  | N/A  | N/A  | N/A  | N/A  |

Table 3d

| Category  |                      | Biomass (million metric tonnes oven-dry weight) |      |      |      |      |                   |      |      |      |      |
|---|----------------------|---|------|------|------|------|-------------------|------|------|------|------|
|   |                      | Forest  |      |      |      |      | Other wooded land |      |      |      |      |
|   |                      | 1990  | 2000 | 2005 | 2010 | 2015 | 1990              | 2000 | 2005 | 2010 | 2015 |
|  | Above ground biomass | N/A   | N/A  | N/A  | N/A  | N/A  | N/A               | N/A  | N/A  | N/A  | N/A  |
|  | Below ground biomass | N/A   | N/A  | N/A  | N/A  | N/A  | N/A               | N/A  | N/A  | N/A  | N/A  |
|  | Dead wood            | N/A   | N/A  | N/A  | N/A  | N/A  | N/A               | N/A  | N/A  | N/A  | N/A  |

|       |     |     |     |     |     |     |     |     |     |     |
|-------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| TOTAL | .00 | .00 | .00 | .00 | .00 | .00 | .00 | .00 | .00 | .00 |
|-------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|

Table 3e

| Category  |                                      | Carbon (Million metric tonnes) |      |      |      |      |                   |      |      |      |      |
|---|--------------------------------------|--------------------------------|------|------|------|------|-------------------|------|------|------|------|
|   |                                      | Forest                         |      |      |      |      | Other wooded land |      |      |      |      |
|   |                                      | 1990                           | 2000 | 2005 | 2010 | 2015 | 1990              | 2000 | 2005 | 2010 | 2015 |
|    | Carbon in above ground biomass       | N/A                            | N/A  | N/A  | N/A  | N/A  | N/A               | N/A  | N/A  | N/A  | N/A  |
|    | Carbon in below ground biomass       | N/A                            | N/A  | N/A  | N/A  | N/A  | N/A               | N/A  | N/A  | N/A  | N/A  |
|    | <i>Subtotal Living biomass</i>       | N/A                            | N/A  | N/A  | N/A  | N/A  | N/A               | N/A  | N/A  | N/A  | N/A  |
|    | Carbon in dead wood                  | N/A                            | N/A  | N/A  | N/A  | N/A  | N/A               | N/A  | N/A  | N/A  | N/A  |
|  | Carbon in litter                     | N/A                            | N/A  | N/A  | N/A  | N/A  | N/A               | N/A  | N/A  | N/A  | N/A  |
|  | <i>Subtotal Dead wood and litter</i> | N/A                            | N/A  | N/A  | N/A  | N/A  | N/A               | N/A  | N/A  | N/A  | N/A  |
|  | Soil carbon                          | N/A                            | N/A  | N/A  | N/A  | N/A  | N/A               | N/A  | N/A  | N/A  | N/A  |
| TOTAL   |                                      | .00                            | .00  | .00  | .00  | .00  | .00               | .00  | .00  | .00  | .00  |

## Tiers

| Variable/category              | Tier for status | Tier for trend |
|--------------------------------|-----------------|----------------|
| Total growing stock            | Tier 1          | Tier 1         |
| Net annual increment           | Tier 1          | Tier 1         |
| Above ground biomass           | Tier 1          | Tier 1         |
| Below ground biomass           | Tier 1          | Tier 1         |
| Dead wood                      | Tier 1          | N/A            |
| Carbon in above-ground biomass | Tier 1          | Tier 1         |
| Carbon in below ground biomass | Tier 1          | Tier 1         |

|                                |        |        |
|--------------------------------|--------|--------|
| Carbon in dead wood and litter | Tier 1 | Tier 1 |
| Soil carbon                    | Tier 1 | Tier 1 |

## Tier criteria

| Category  | Tier for status   | Tier for reported trend   |
|---|---|---|
| Total growing stock   | Tier 3: Data sources Recent 10 years National Forest Inventory or remote sensing with ground truthing or programme for repeated compatible NFI 10 years Domestic volume functions Tier 2: Data sources/registers and statistics modelling or old NFI 10 years or partial field inventory Tier 1: Other data sources   | Tier 3: Estimate based on repeated compatible tiers 3 (tier for status) Domestic growth functions Tier 2: Estimate based on repeated compatible tier 2 or combination tier 3 and 2 or 1 tier for status Tier 1: Other |
| Net annual increment  | Tier 3: Scientifically tested national volume and growth functions Tier 2: Selection of volume and growth functions as relevant as possible Tier 1: Other   | Tier 3: Confirmation/adjustment of functions used through scientific work Tier 2: Review work done to seek alternative functions Tier: 1 Other  |
| Biomass   | Tier 3: Country-specific national or sub-national biomass conversion expansion factors applied or other domestic or otherwise nationally relevant biomass studies Tier 2: Application of country specific national or sub-national biomass conversion factors from other country with similar climatic conditions and forest types Tier 1: International/regional default biomass expansion factors applied | <b>Tier 3</b> : Estimate based on repeated compatible tiers 3 (tier for status) <b>Tier 2</b> : Estimate based on repeated compatible tier 2 or combination tier 3 and 2 or 1 (tier for status) <b>Tier 1</b> : Other |
| <ul style="list-style-type: none"> <li>• Carbon in above ground biomass</li> <li>• Carbon in below ground biomass</li> <li>• Carbon in dead wood and litter</li> <li>• Soil carbon</li> </ul> | Tier 3: Country-specific national or sub-national biomass conversion expansion factors applied Tier 2: Application of country specific national or sub-national biomass conversion factors form from other country with similar climatic conditions and forest types Tier 1: International/regional default biomass expansion factors applied   | <b>Tier 3</b> : Estimate based on repeated compatible tiers 3 (tier for status) <b>Tier 2</b> : Estimate based on repeated compatible tier 2 or combination tier 3 and 2 or 1 (tier for status) <b>Tier 1</b> : Other |

## 3.5 Comments on growing stock biomass and carbon

| Category                                | Comments related to data definitions etc | Comments on the reported trend |
|---|--|--------------------------------|
| Total growing stock                     | The same as FRA                          | N/A                            |
| Growing stock of broadleaved coniferous | The same as FRA                          | N/A                            |
| Growing stock composition               | The same as FRA                          | N/A                            |
| Net annual increment                    | The same as FRA                          | N/A                            |
| Above-ground biomass                    | The same as FRA                          | N/A                            |

|                                |                 |     |
|--------------------------------|-----------------|-----|
| Below-ground biomass           | The same as FRA | N/A |
| Dead wood                      | The same as FRA | N/A |
| Carbon in above-ground biomass | The same as FRA | N/A |
| Carbon in below-ground biomass | The same as FRA | N/A |
| Carbon in dead wood            | The same as FRA | N/A |
| Carbon in litter               | The same as FRA | N/A |
| Soil carbon                    | The same as FRA | N/A |

**Other general comments to the table**

South Sudan has no available data for all the variables in the table, except that of two Sudans of FRA 2010

## 4. What is the status of forest production and how has it changed over time?

Documents for this question:

- [Guide for country reporting FRA 2015](#)
- [FRA 2015 Terms and Definitions](#)

### 4.1 Categories and definitions

| Term                           | Definition  |
|--------------------------------|---|
| Primary designated function    | The primary function or management objective assigned to a management unit either by legal prescription documented decision of the landowner/manager or evidence provided by documented studies of forest management practices and customary use. |
| Non wood forest product (NWFP) | Goods derived from forests that are tangible and physical objects of biological origin other than wood.   |
| Commercial value of NWFP       | For the purpose of this table, value is defined as the commercial market value at the forest gate.  |
| Category                       | Definition  |
| Production forest              | Forest area designated primarily for production of wood, fibre, bio-energy and/or non-wood forest products.   |
| Multiple use forest            | Forest area designated for more than one purpose and where none of these alone is considered as the predominant designated function.  |
| Total wood removals            | The total of industrial round wood removals and woodfuel removals.  |
| ...of which woodfuel           | The wood removed for energy production purposes, regardless whether for industrial, commercial or domestic use.   |

### 4.2 National data

#### 4.2.1 Data sources

|   | References to sources of information | Variables           | Years | Additional comments |
|---|--------------------------------------|---------------------|-------|---------------------|
| 1 | FRA 2013 Remote Sensing base study   | Multiple use forest | 2013  | N/A                 |
| 2 | N/A                                  | N/A                 | N/A   | N/A                 |
| 3 | N/A                                  | N/A                 | N/A   | N/A                 |
| 4 | N/A                                  | N/A                 | N/A   | N/A                 |

#### 4.2.2 Classification and definitions

| National class      | Definition      |
|---------------------|-----------------|
| Multiple use forest | The same as FRA |
| N/A                 | N/A             |

|     |     |
|-----|-----|
| N/A | N/A |
| N/A | N/A |

#### 4.2.3 Original data

|                   | (1000 ha) | (% total) |
|-------------------|-----------|-----------|
| Forest            | 7157      | 11.3%     |
| Other wooded land | 32582     | 51.6%     |
| Other land        | 23434     | 37.1%     |
| Total             | 63173     | 100.0%    |

### 4.3 Analysis and processing of national data

#### 4.3.1 Adjustment

#### 4.3.2 Estimation and forecasting

#### 4.3.3 Reclassification

### 4.4 Data

Table 4a



| Categories  |                     | Forest area (000 hectares) |      |      |      |      |
|---|---------------------|----------------------------|------|------|------|------|
|   |                     | 1990                       | 2000 | 2005 | 2010 | 2015 |
|  | Production forest   | N/A                        | N/A  | N/A  | N/A  | N/A  |
|  | Multiple use forest | N/A                        | N/A  | N/A  | N/A  | 7157 |

Table 4b

| Rank | Name of product | Key species | Commercial value of NWFP removals 2010 (value 1000 local currency) | NWFP category |
|------|-----------------|-------------|--|---------------|
|------|-----------------|-------------|--|---------------|

|       |     |     |     |     |
|-------|-----|-----|-----|-----|
| 1 st  | N/A | N/A | N/A | N/A |
| 2 nd  | N/A | N/A | N/A | N/A |
| 3 rd  | N/A | N/A | N/A | N/A |
| 4 th  | N/A | N/A | N/A | N/A |
| 5 th  | N/A | N/A | N/A | N/A |
| 6 th  | N/A | N/A | N/A | N/A |
| 7 th  | N/A | N/A | N/A | N/A |
| 8 th  | N/A | N/A | N/A | N/A |
| 9 th  | N/A | N/A | N/A | N/A |
| 10 th | N/A | N/A | N/A | N/A |
| TOTAL |     |     | .00 |     |

|                        |     |
|------------------------|-----|
| 2010                   |     |
| Name of local currency | SSP |

| Category   |
|--|
| <b>Plant products / raw material</b>                 |
| 1 Food   |
| 2 Fodder   |
| 3 Raw material for medicine and aromatic products    |
| 4 Raw material for colorants and dyes                |
| 5 Raw material for utensils handicrafts construction |
| 6 Ornamental plants                                  |
| 7 Exudates   |
| 8 Other plant products                               |
| <b>Animal products / raw material</b>                |
| 9 Living animals                                     |
| 10 Hides skins and trophies                          |

|                                     |
|-------------------------------------|
| 11 Wild honey and beeswax           |
| 12 Wild meat                        |
| 13 Raw material for medicine        |
| 14 Raw material for colorants       |
| 15 Other edible animal products     |
| 16 Other non-edible animal products |

Table 4c Pre-filled data from FAOSTAT

| Year | FRA 2015 category (1000 m <sup>3</sup> u.b.) |                      |
|------|--|----------------------|
|      | Total wood removals                          | ...of which woodfuel |
| 1990 | 4383   | 4383                 |
| 1991 | N/A  | N/A                  |
| 1992 | N/A  | N/A                  |
| 1993 | N/A  | N/A                  |
| 1994 | N/A  | N/A                  |
| 1995 | N/A  | N/A                  |
| 1996 | N/A  | N/A                  |
| 1997 | N/A  | N/A                  |
| 1998 | N/A  | N/A                  |
| 1999 | N/A  | N/A                  |
| 2000 | N/A  | N/A                  |
| 2001 | N/A  | N/A                  |
| 2002 | N/A  | N/A                  |
| 2003 | N/A  | N/A                  |
| 2004 | N/A  | N/A                  |
| 2005 | N/A  | N/A                  |
| 2006 | N/A  | N/A                  |
| 2007 | N/A  | N/A                  |



|      |      |      |
|------|------|------|
| 2008 | N/A  | N/A  |
| 2009 | N/A  | N/A  |
| 2010 | N/A  | N/A  |
| 2011 | 4383 | 4383 |

## Tiers

| Category            | Tier for status | Tier for reported trend |
|---------------------|-----------------|-------------------------|
| Production forest   | Tier 1          | Tier 1                  |
| Multiple use forest | Tier 2          | Tier 2                  |

## Tier Criteria

| Category                                 | Tier for status  | Tier for reported trend   |
|--|--|---|
| Production forest<br>Multiple use forest | Tier 3: Updated including field verifications national forest maps including functions<br>Tier 2: Forest maps older than 6 years including forest functions<br>Tier 1: Other | <b>Tier 3</b> : Estimate based on repeated compatible tiers 3 (tier for status) <b>Tier 2</b> : Estimate based on repeated compatible tier 2 or combination tier 3 and 2 or 1 (tier for status) <b>Tier 1</b> : Other |

## 4.5 Comments

| Category                 | Comments related to data definitions etc | Comments on the reported trend |
|--------------------------|--|--------------------------------|
| Production forest        | South Sudan has no data or information   | N/A                            |
| Multiple use forest      | South Sudan has no data or information   | N/A                            |
| Total wood removals      | South Sudan has no data or information   | N/A                            |
| Commercial value of NWFP | South Sudan has no data or information   | N/A                            |

## Other general comments to the table

As first time South Sudan is reporting FRA and as a new country, we have limited information or data

## 5. How much forest area is managed for protection of soil and water and ecosystem services?

Documents for this question:

- [Guide for country reporting FRA 2015](#)
- [FRA 2015 Terms and Definitions](#)

### 5.1 Categories and definitions

| Category   | Definition   |
|--|--|
| Protection of soil and water   | Forest area designated or managed for protection of soil and water   |
| ...of which production of clean water ( <i>sub-category</i> )                        | Forest area primarily designated or managed for water production, where most human uses are excluded or heavily modified to protect water quality.                                 |
| ...of which coastal stabilization ( <i>sub-category</i> )                            | Forest area primarily designated or managed for coastal stabilization.   |
| ...of which desertification control ( <i>sub-category</i> )                          | Forest area primarily designated or managed for desertification control.   |
| ...of which avalanche control ( <i>sub-category</i> )                                | Forest area primarily designated or managed to prevent the development or impact of avalanches on human life assets or infrastructure.   |
| ...of which erosion, flood protection or reducing flood risk ( <i>sub-category</i> ) | Forest area primarily designated or managed for protecting communities or assets from the impacts of erosion riparian floods and landslides or for providing flood plain services. |
| ...of which other ( <i>sub-category</i> )  | Forest area primarily designated or managed for other protective functions.  |
| Ecosystem services, cultural or spiritual values                                     | Forest area primarily designated or managed for selected ecosystem services or cultural or spiritual values.   |
| ...of which public recreation ( <i>sub-category</i> )                                | Forest area designated or managed for public recreation.   |
| ...of which carbon storage or sequestration ( <i>sub-category</i> )                  | Forest area designated or managed for carbon storage or sequestration.   |
| ...of which spiritual or cultural services ( <i>sub-category</i> )                   | Forest area designated or managed for spiritual or cultural services.  |
| ...of which other ( <i>sub-category</i> )  | Forest area designated or managed for other ecosystem services.  |

### 5.2 National data

#### 5.2.1 Data sources

|   | References to sources of information | Variables | Years | Additional comments |
|---|--------------------------------------|-----------|-------|---------------------|
| 1 | N/A                                  | N/A       | N/A   | N/A                 |
| 2 | N/A                                  | N/A       | N/A   | N/A                 |

|   |     |     |     |     |
|---|-----|-----|-----|-----|
| 3 | N/A | N/A | N/A | N/A |
| 4 | N/A | N/A | N/A | N/A |

### 5.2.2 Classification and definitions

| National class                                   | Definition      |
|--|-----------------|
| Protection of soil and water                     | The same as FRA |
| Ecosystem services, cultural or spiritual values | The same as FRA |
| N/A  | N/A             |
| N/A  | N/A             |

### 5.2.3 Original data

|                   |
|-------------------|
| No data available |
|-------------------|

## 5.3 Analysis and processing of national data

### 5.3.1 Adjustment

|  |
|--|
|  |
|--|

### 5.3.2 Estimation and forecasting



|  |
|--|
|  |
|--|






### 5.3.3 Reclassification

|  |
|--|
|  |
|--|

## 5.4 Data

Table 5a

| Categories  |  | Forest area (1000 hectares) |      |      |      |      |
|---|--|-----------------------------|------|------|------|------|
|   |  | 1990                        | 2000 | 2005 | 2010 | 2015 |
|  | Protection of soil and water           | N/A                         | N/A  | N/A  | N/A  | N/A  |
|  | ... of which production of clean water | N/A                         | N/A  | N/A  | N/A  | N/A  |

|   |   |     |     |     |     |     |
|---|---|-----|-----|-----|-----|-----|
|  | ... of which coastal stabilization                              | N/A | N/A | N/A | N/A | N/A |
|  | ... of which desertification control                            | N/A | N/A | N/A | N/A | N/A |
|  | ... of which avalanche control                                  | N/A | N/A | N/A | N/A | N/A |
|  | ... of which erosion, flood protection or reducing flood risk   | N/A | N/A | N/A | N/A | N/A |
|  | ... of which other (please specify in comments below the table) | N/A | N/A | N/A | N/A | N/A |

**Other**

NO information

Table 5b

| Categories   | Forest area (1000 hectares) |      |      |      |      |
|--|-----------------------------|------|------|------|------|
|  | 1990                        | 2000 | 2005 | 2010 | 2015 |
| Ecosystem services, cultural or spiritual values               | N/A                         | N/A  | N/A  | N/A  | N/A  |
| ...of which public recreation                                  | N/A                         | N/A  | N/A  | N/A  | N/A  |
| ...of which carbon storage or sequestration                    | N/A                         | N/A  | N/A  | N/A  | N/A  |
| ...of which spiritual or cultural services                     | N/A                         | N/A  | N/A  | N/A  | N/A  |
| ...of which other (please specify in comments below the table) | N/A                         | N/A  | N/A  | N/A  | N/A  |

## Tiers

| Category   | Tier for reported trend | Tier for status |
|--|-------------------------|-----------------|
| Protection of soil and water                     | Tier 1                  | Tier 1          |
| Ecosystem services, cultural or spiritual values | Tier 1                  | Tier 1          |

## Tier criteria

| Category   | Tier for status   | Tier for reported trend   |
|--|---|---|
| Protection of soil and water   | Tier 3: High reliability data derived either from high intensity sample survey or data obtained from national or state agencies responsible for regulations or legislation relating to soil and water protection. Tier 2: Approaches based on low intensity or incomplete sample-based surveys or studies that provide data for specific areas that is extrapolated through statistical analysis to national level estimates. Tier 1: Other | <b>Tier 3</b> : Estimate based on repeated compatible tiers 3 (tier for status) <b>Tier 2</b> : Estimate based on repeated compatible tier 2 or combination tier 3 and 2 or 1 (tier for status) <b>Tier 1</b> : Other |
| <ul style="list-style-type: none"> <li>• Cultural or spiritual values</li> <li>• Public recreation</li> <li>• Spiritual or cultural services</li> <li>• Other</li> </ul> | Tier 3: High reliability data derived either from high intensity sample survey or data obtained from national or state agencies responsible for regulations. Tier 2: Approaches based on low intensity or incomplete sample-based surveys or studies that provide data for specific areas that is extrapolated through statistical analysis to national level estimates. Tier 1: Other  | <b>Tier 3</b> : Estimate based on repeated compatible tiers 3 (tier for status) <b>Tier 2</b> : Estimate based on repeated compatible tier 2 or combination tier 3 and 2 or 1 (tier for status) <b>Tier 1</b> : Other |

## 5.5 Comments

| Category   | Comments related to data definitions etc | Comments on the reported trend |
|--|--|--------------------------------|
| Protection of soil and water                     | The same as FRA                          | N/A                            |
| Production of clean water                        | The same as FRA                          | N/A                            |
| Coastal stabilization                            | The same as FRA                          | N/A                            |
| Desertification control                          | The same as FRA                          | N/A                            |
| Avalanche control                                | The same as FRA                          | N/A                            |
| Erosion, flood protection or reducing flood risk | The same as FRA                          | N/A                            |
| Other protective functions                       | The same as FRA                          | N/A                            |
| Ecosystem services, cultural or spiritual values | The same as FRA                          | N/A                            |
| Public recreation                                | The same as FRA                          | N/A                            |
| Carbon storage or sequestration                  | The same as FRA                          | N/A                            |
| Spiritual or cultural services                   | The same as FRA                          | N/A                            |
| Other ecosystem services                         | The same as FRA                          | N/A                            |

---

| <b>Other general comments to the table</b> |
|--|
|--|

|   |
|---|
| NO specific comment since we dont have the data or information related to above variables |
|---|

## 6. How much forest area is protected and designated for the conservation of biodiversity and how has it changed over time?

Documents for this question:

- [Guide for country reporting FRA 2015](#)
- [FRA 2015 Terms and Definitions](#)

### 6.1 Categories and definitions

| Category                           | Definition   |
|------------------------------------|--|
| Conservation of biodiversity       | Forest area designated primarily for conservation of biological diversity. Includes but is not limited to areas designated for biodiversity conservation within the protected areas. |
| Forest area within protected areas | Forest area within formally established protected areas independently of the purpose for which the protected areas were established.   |

### 6.2 National data

#### 6.2.1 Data sources

|   | References to sources of information | Variables | Years | Additional comments |
|---|--------------------------------------|-----------|-------|---------------------|
| 1 | NA                                   | N/A       | N/A   | N/A                 |
| 2 | NA                                   | N/A       | N/A   | N/A                 |
| 3 | NA                                   | N/A       | N/A   | N/A                 |
| 4 | NA                                   | N/A       | N/A   | N/A                 |

#### 6.2.2 Classification and definitions

| National class | Definition |
|----------------|------------|
| NA             | N/A        |
| NA             | N/A        |
| NA             | N/A        |
| NA             | N/A        |

#### 6.2.3 Original data

|         |
|---------|
| No data |
|---------|

### 6.3 Analysis and processing of national data

## 6.3.1 Adjustment

|         |
|---------|
| No data |
|---------|

## 6.3.2 Estimation and forecasting



|         |
|---------|
| No data |
|---------|

## 6.3.3 Reclassification

|         |
|---------|
| No data |
|---------|

## 6.4 Data

Table 6

| Categories  |                                    | Forest area (000 hectares) |      |      |      |      |
|---|------------------------------------|----------------------------|------|------|------|------|
|   |                                    | 1990                       | 2000 | 2005 | 2010 | 2015 |
|  | Conservation of biodiversity       | N/A                        | N/A  | N/A  | N/A  | N/A  |
|  | Forest area within protected areas | N/A                        | N/A  | N/A  | N/A  | N/A  |

## Tiers

| Category                           | Tier for status | Tier for reported trend |
|------------------------------------|-----------------|-------------------------|
| Conservation of biodiversity       | Tier 1          | Tier 1                  |
| Forest area within protected areas | Tier 1          | Tier 1                  |

## Tier criteria

| Category   | Tier for status   | Tier for reported trend   |
|--|---|---|
| <ul style="list-style-type: none"> <li>Conservation of biodiversity</li> <li>Forests within protected areas</li> </ul> | Tier 3: Data obtained from national or state agencies responsible for conservation and protected area or legislation relating to area protection. Tier 2: Studies that provide data for specific areas that is extrapolated through statistical analysis to national level estimates Tier 1 Other | <b>Tier 3</b> : Estimate based on repeated compatible tiers 3 (tier for status) <b>Tier 2</b> : Estimate based on repeated compatible tier 2 or combination tier 3 and 2 or 1 (tier for status) <b>Tier 1</b> : Other |

## 6.5 Comments

| Category | Comments related to data definitions etc | Comments on the reported trend |
|----------|--|--------------------------------|
|----------|--|--------------------------------|



|                                    |                 |                 |
|------------------------------------|-----------------|-----------------|
| Conservation of biodiversity       | The same as FRA | The same as FRA |
| Forest area within protected areas | The same as FRA | The same as FRA |

**Other general comments to the table**

As new nation little effort was put to protect forest area, and concervation of biodiversity

## 7. What is the area of forest affected by woody invasive species?

Documents for this question:

- [Guide for country reporting FRA 2015](#)
- [FRA 2015 Terms and Definitions](#)

### 7.1 Categories and definitions

| Category         | Definition   |
|------------------|--|
| Invasive species | Species that are non-native to a particular ecosystem and whose introduction and spread cause, or are likely to cause, socio-cultural, economic or environmental harm or harm to human health. |

### 7.2 National data

#### 7.2.1 Data sources

|   | References to sources of information | Variables | Years | Additional comments |
|---|--------------------------------------|-----------|-------|---------------------|
| 1 | NA                                   | N/A       | N/A   | N/A                 |
| 2 | NA                                   | N/A       | N/A   | N/A                 |
| 3 | NA                                   | N/A       | N/A   | N/A                 |
| 4 | NA                                   | N/A       | N/A   | N/A                 |

#### 7.2.2 Classification and definitions

| National class | Definition |
|----------------|------------|
| NA             | N/A        |
| NA             | N/A        |
| NA             | N/A        |
| NA             | N/A        |

#### 7.2.3 Original data

|         |
|---------|
| No data |
|---------|

### 7.3 Analysis and processing of national data

## 7.3.1 Adjustment

|         |
|---------|
| No data |
|---------|

## 7.3.2 Estimation and forecasting

|         |
|---------|
| No data |
|---------|

## 7.3.3 Reclassification

|         |
|---------|
| No data |
|---------|

## 7.4 Data

Table 7

| Scientific name of woody invasive species | Forest area affected (000 ha) |      |
|---|-------------------------------|------|
|   | 2005                          | 2010 |
| NA  | N/A                           | N/A  |
| N/A                                       | N/A                           | N/A  |
| N/A                                       | N/A                           | N/A  |
| N/A                                       | N/A                           | N/A  |
| N/A                                       | N/A                           | N/A  |
| N/A                                       | N/A                           | N/A  |
| N/A                                       | N/A                           | N/A  |
| N/A                                       | N/A                           | N/A  |
| N/A                                       | N/A                           | N/A  |
| N/A                                       | N/A                           | N/A  |
| N/A                                       | N/A                           | N/A  |
| N/A                                       | N/A                           | N/A  |
| N/A                                       | N/A                           | N/A  |
| N/A                                       | N/A                           | N/A  |
| N/A                                       | N/A                           | N/A  |
| N/A                                       | N/A                           | N/A  |
| N/A                                       | N/A                           | N/A  |
| Total                                     | N/A                           | N/A  |

## Tiers

| Category         | Tier for status | Tier for reported trend |
|------------------|-----------------|-------------------------|
| Invasive species | Tier 1          | Tier 1                  |

## Tier Criteria

| Category         | Tier for status  | Tier for reported trend   |
|------------------|--|---|
| Invasive species | Tier 3: Systematic assessment in forest inventory or other survey (e.g. by conservation department) within the last 5 years) Tier 2: Systematic assessment in forest inventory or other survey (e.g. by conservation department conducted more than 5 years ago) Tier 1: Other | <b>Tier 3</b> : Estimate based on repeated compatible tiers 3 (tier for status) <b>Tier 2</b> : Estimate based on repeated compatible tier 2 or combination tier 3 and 2 or 1 (tier for status) <b>Tier 1</b> : Other |

## 7.5 Comments

| Category         | Comments related to data definitions etc | Comments on the reported trend |
|------------------|--|--------------------------------|
| Invasive species | South Sudan has no invasive species      | N/A                            |

## Other general comments to the table

South Sudan has no report or data on invasive species

## 8. How much forest area is damaged each year?

Documents for this question:

- [Guide for country reporting FRA 2015](#)
- [FRA 2015 Terms and Definitions](#)

### 8.1 Categories and definitions

| Category              | Definition  |
|-----------------------|---|
| Number of fires       | Number of fires per year  |
| Burned area           | Area burned per year  |
| Outbreaks of insects  | A detectable reduction in forest health caused by a sudden increase in numbers of harmful insects.  |
| Outbreaks of diseases | A detectable reduction in forest health caused by a sudden increase in numbers of harmful pathogens, such as bacteria, fungi, phytoplasma or virus. |
| Severe weather events | Damage caused severe weather events, such as snow, storm, drought, etc.   |

### 8.2 National data

#### 8.2.1 Data sources

|   | References to sources of information   | Variables             | Years | Additional comments |
|---|--|-----------------------|-------|---------------------|
| 1 | Ministry of Agriculture, Forestry, Tourism, Animal Resources, Cooperatives and Rural Development | Number of fires       | NA    | N/A                 |
| 2 | Ministry of Agriculture, Forestry, Tourism, Animal Resources, Cooperatives and Rural Development | Burned area           | NA    | N/A                 |
| 3 | Ministry of Agriculture, Forestry, Tourism, Animal Resources, Cooperatives and Rural Development | Outbreaks of insects  | NA    | N/A                 |
| 4 | Ministry of Agriculture, Forestry, Tourism, Animal Resources, Cooperatives and Rural Development | Outbreaks of diseases | NA    | N/A                 |
| 5 | Ministry of Agriculture, Forestry, Tourism, Animal Resources, Cooperatives and Rural Development | Severe weather events | NA    | N/A                 |

#### 8.2.2 Classification and definitions

| National class | Definition |
|----------------|------------|
|----------------|------------|

|                       |                 |
|-----------------------|-----------------|
| Number of fires       | The same as FRA |
| Burned area           | The same as FRA |
| Outbreaks of insects  | The same as FRA |
| Outbreaks of diseases | The same as FRA |
| Severe weather events | The same as FRA |

### 8.2.3 Original data

|         |
|---------|
| No data |
|---------|

## 8.3 Analysis and processing of national data

### 8.3.1 Adjustment

|         |
|---------|
| No data |
|---------|

### 8.3.2 Estimation and forecasting



|         |
|---------|
| No data |
|---------|

### 8.3.3 Reclassification

|         |
|---------|
| No data |
|---------|

## 8.4 Data

Table 8a

| Category  |                                 | 000 ha, number of fires |     |        |     |        |     |        |     |        |     |
|---|---------------------------------|-------------------------|-----|--------|-----|--------|-----|--------|-----|--------|-----|
|   |                                 | 2003                    |     | 2004   |     | 2005   |     | 2006   |     | 2007   |     |
|   |                                 | 000 ha                  | #   | 000 ha | #   | 000 ha | #   | 000 ha | #   | 000 ha | #   |
|  | Total land area burned          | N/A                     | N/A | N/A    | N/A | N/A    | N/A | N/A    | N/A | N/A    | N/A |
|  | ... of which forest area burned | N/A                     | N/A | N/A    | N/A | N/A    | N/A | N/A    | N/A | N/A    | N/A |



| Category  |                                 | 2008   |     | 2009   |     | 2010   |     | 2011   |     | 2012   |     |
|---|---------------------------------|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|
|   |                                 | 000 ha | #   | 000 ha | #   | 000 ha | #   | 000 ha | #   | 000 ha | #   |
|  | Total land area burned          | N/A    | N/A | N/A    | N/A | N/A    | N/A | N/A    | N/A | N/A    | N/A |
|  | ... of which forest area burned | N/A    | N/A | N/A    | N/A | N/A    | N/A | N/A    | N/A | N/A    | N/A |

Table 8b

| Outbreak category     | Description/name | Year(s) of latest outbreak | Area damaged (000 hectares) |
|-----------------------|------------------|----------------------------|-----------------------------|
| Insects               | NA               | NA                         | N/A                         |
| Diseases              | NA               | NA                         | N/A                         |
| Severe weather events | NA               | NA                         | N/A                         |
| N/A                   | N/A              | N/A                        | N/A                         |
| N/A                   | N/A              | N/A                        | N/A                         |
| N/A                   | N/A              | N/A                        | N/A                         |
| N/A                   | N/A              | N/A                        | N/A                         |
| N/A                   | N/A              | N/A                        | N/A                         |
| N/A                   | N/A              | N/A                        | N/A                         |
| N/A                   | N/A              | N/A                        | N/A                         |

| Outbreak category       |
|-------------------------|
| 1 Insects               |
| 2 Diseases              |
| 3 Severe weather events |

## Tiers

| Category              | Tier for status | Tier for trend |
|-----------------------|-----------------|----------------|
| Area affected by fire | Tier 1          | Tier 1         |

|  |        |        |
|--|--------|--------|
| <ul style="list-style-type: none"> <li>• Insects</li> <li>• Diseases</li> <li>• Severe weather events</li> </ul> | Tier 1 | Tier 1 |
|--|--------|--------|

## Tier criteria

| Category   | Tier for status  | Tier for reported trend   |
|--|--|---|
| Burned area  | <b>Tier 3</b> : National fire monitoring routines<br><b>Tier 2</b> : Remote sensing surveys <b>Tier 1</b> : Other                              | <b>Tier 3</b> : Estimate based on repeated compatible tiers 3 (tier for status) <b>Tier 2</b> : Estimate based on repeated compatible tier 2 or combination tier 3 and 2 or 1 (tier for status) <b>Tier 1</b> : Other |
| <ul style="list-style-type: none"> <li>• Insects</li> <li>• Diseases</li> <li>• Severe weather events</li> </ul> | <b>Tier 3</b> : Systematic survey (e.g. via inventory or aerial damage assessment)<br><b>Tier 2</b> : Management records <b>Tier 1</b> : Other | <b>Tier 3</b> : Estimate based on repeated compatible tiers 3 (tier for status) <b>Tier 2</b> : Estimate based on repeated compatible tier 2 or combination tier 3 and 2 or 1 (tier for status) <b>Tier 1</b> : Other |

## 8.5 Comments

| Category              | Comments related to data definitions etc | Comments on the reported trend |
|-----------------------|--|--------------------------------|
| Burned area           | no information                           | no information                 |
| Insects               | no information                           | no information                 |
| Diseases              | no information                           | no information                 |
| Severe weather events | no information                           | no information                 |

## Other general comments to the table

South Sudan has no data information about the out break of diseases, fire, insects and etc



## 9. What is the forest area with reduced canopy cover?

Documents for this question:

- [Guide for country reporting FRA 2015](#)
- [FRA 2015 Terms and Definitions](#)

| Category                  | Definition   |
|---------------------------|--|
| Reduction in canopy cover | Forest that has undergone a reduction of canopy cover of more than 20% between the years 2000 and 2010 within the forest canopy cover range of 30-80% as detected by the MODIS VCF sensor. |

Table 9

| Category                  | Area of forest with reduced canopy cover (000 ha) |
|---------------------------|---|
| Reduction in canopy cover | 1688  |

Tiers

| Category                  | Tier for reported trend |
|---------------------------|-------------------------|
| Reduction in canopy cover | Tier 1                  |

Tier criteria

| Category                  | Tier for reported trend  |
|---------------------------|--|
| Reduction in canopy cover | <b>Tier 3</b> : Remote sensing with ground truthing and/or Landsat imagery <b>Tier 2</b> : Remote sensing using Modis (using pre-filled data provided by FAO) <b>Tier 1</b> : Expert opinion |

Comments

| Category                  | Comments related to data definitions etc   |
|---------------------------|--|
| Reduction in canopy cover | This was not yet known as South Sudan has little information about forest canopy cover |

Other general comments

|  |
|--|
|  |
|--|

## 10. What forest policy and regulatory framework exists to support implementation of sustainable forest management SFM?

Documents for this question:

- [Guide for country reporting FRA 2015](#)
- [FRA 2015 Terms and Definitions](#)

### 10.1 Categories and definitions

| Category   | Definition   |
|--|--|
| Policies supporting sustainable forest management                    | Policies or strategies that explicitly encourage sustainable forest management.                      |
| Legislation and regulations supporting sustainable forest management | Legislation and regulations that govern and guide sustainable forest management, operations and use. |

### 10.2 National data

#### 10.2.1 Data sources

|   | References to sources of information   | Variables     | Years | Additional comments            |
|---|--|---------------|-------|--------------------------------|
| 1 | Ministry of Agriculture, Forestry, Tourism, Animal Resources, Fisheries, Cooperative and Rural Development | Forest Policy | 2013  | Under legislations             |
| 2 | Ministry of Agriculture, Forestry, Tourism, Animal Resources, Fisheries, Cooperative and Rural Development | Forest Act    | 2009  | Still a bill under legislation |
| 3 | N/A  | N/A           | N/A   | N/A                            |
| 4 | N/A  | N/A           | N/A   | N/A                            |

#### 10.2.2 Classification and definitions

| National class | Definition      |
|----------------|-----------------|
| Forest Policy  | The same as FRA |
| Forest Act     | The same as FRA |
| N/A            | N/A             |
| N/A            | N/A             |

## 10.2.3 Original data

## 10.3 Data

Table 10

| Category   |          |              |                  |       |
|--|----------|--------------|------------------|-------|
|  | National | Sub-national |                  |       |
|  |          | Regional     | Provincial/State | Local |
| Policies supporting sustainable forest management                    | yes      | yes          | yes              | yes   |
| ... of which, in <u>publicly</u> owned forests                       | yes      | yes          | yes              | yes   |
| ... of which, in <u>privately</u> owned forests                      | yes      | yes          | yes              | yes   |
| Legislation and regulations supporting sustainable forest management | yes      | yes          | yes              | yes   |
| ... of which, in <u>publicly</u> owned forests                       | yes      | yes          | yes              | yes   |
| ... of which, in <u>privately</u> owned forests                      | yes      | yes          | yes              | yes   |

## 10.4 Comments

| Variable / category  | Comments related to data definitions etc |
|--|--|
| Policies supporting sustainable forest management                    | The same as FRA                          |
| Legislation and regulations supporting sustainable forest management | The same as FRA                          |

## Other general comments

## 11. Is there a national platform that promotes stakeholder participation in forest policy development?

Documents for this question:

- [Guide for country reporting FRA 2015](#)
- [FRA 2015 Terms and Definitions](#)

### 11.1 Categories and definitions

| Category                      | Definition  |
|-------------------------------|---|
| National stakeholder platform | A recognized procedure that a broad range of stakeholders can use to provide opinions, suggestions, analysis, recommendations and other input into the development of national forest policy. |

### 11.2 National data

#### 11.2.1 Data sources

|   | References to sources of information   | Years | Additional comments |
|---|--|-------|---------------------|
| 1 | Ministry of Agriculture, Forestry, Tourism, Animal Resources, Fisheries, Cooperatives and Rural Developments | 2013  | Still under process |
| 2 | N/A  | N/A   | N/A                 |
| 3 | N/A  | N/A   | N/A                 |
| 4 | N/A  | N/A   | N/A                 |

Table 11

|   |     |
|---|-----|
| <b>Is there a national platform that promotes or allows for stakeholder participation in forest policy development?</b> | yes |
|---|-----|

### 11.3 Comments

| Category                      | Comments related to data definitions etc |
|-------------------------------|--|
| National stakeholder platform | The same as FRA                          |

#### Other general comments

|   |
|---|
| South Sudan is still in process of involvement of all the stake holders in provide opinions, suggestions, analysis, recommendations and other input into the development of national forest policy. |
|---|

## 12. What is the forest area intended to be in permanent forest land use and how has it changed over time?

Documents for this question:

- [Guide for country reporting FRA 2015](#)
- [FRA 2015 Terms and Definitions](#)

### 12.1 Categories and definitions

| Category  | Definition  |
|---|---|
| Forest area intended to be in permanent forest land use     | Forest area that is designated or expected to be retained as forest and is highly unlikely to be converted to other land use. |
| ...of which permanent forest estate ( <i>sub-category</i> ) | Forest area that is designated by law or regulation to be retained as forest and may not be converted to other land use.      |

### 12.2 National data

#### 12.2.1 Data sources

|   | References to sources of information  | Variables   | Years | Additional comments      |
|---|---|---|-------|--------------------------|
| 1 | Ministry of Agriculture, Forestry, Tourism, Animal Resources, Fisheries, Cooperative and Rural Development. | Forest area intended to be in permanent forest land use | 2013  | No available information |
| 2 | Ministry of Agriculture, Forestry, Tourism, Animal Resources, Fisheries, Cooperative and Rural Development. | permanent forest estate                                 | 2013  | No available information |
| 3 | N/A   | N/A   | N/A   | N/A                      |
| 4 | N/A   | N/A   | N/A   | N/A                      |

#### 12.2.2 Classification and definitions

| National class  | Definition      |
|---|-----------------|
| Forest area intended to be in permanent forest land use | The same as FRA |
| Permanent forest estate                                 | The same as FRA |
| N/A   | N/A             |
| N/A   | N/A             |

## 12.2.3 Original data

## 12.3 Analysis and processing of national data



## 12.3.1 Adjustment

## 12.3.2 Estimation and forecasting

## 12.3.3 Reclassification

## 12.4 Data

Table 12

| Categories  |   | Forest area 2010 (000 ha) |
|---|---|---------------------------|
|  | Forest area intended to be in permanent forest land use | N/A                       |
|  | ... of which permanent forest estate                    | N/A                       |

## Tiers

| Category  | Tier for status |
|---|-----------------|
| Forest area intended to be in permanent forest land use | Tier 1          |
| Permanent forest estate                                 | Tier 1          |

## Tier Criteria

| Category  | Tier for status   |
|---|---|
| Forest area intended to be in permanent forest land use | <b>Tier 3</b> : National or sub-national land use plans strategy documents or other reports within the past 10 years<br><b>Tier 2</b> : National or sub-national land use plans strategy documents or other reports within the past 20 years<br><b>Tier 1</b> : Other |
| Permanent forest estate                                 | <b>Tier 3</b> : National or sub-national land use plans strategy documents or other reports within the past 10 years<br><b>Tier 2</b> : National or sub-national land use plans strategy documents or other reports within the past 20 years<br><b>Tier 1</b> : Other |

## 12.5 Comments

| Category | Comments related to data definitions etc |
|----------|--|
|----------|--|

|   |   |
|---|---|
| Forest area intended to be in permanent forest land use | South Sudan has not yet allocate a permanent forest land use    |
| Permanent forest estate                                 | South Sudan has not yet allocate a permanent forest land estate |

Other general comments

As young nation with limited Resources, capacity, information or data on Forest sector, we dont have much data on Forest area intended to be in permanent forest land use and Permanent forest estate.

### 13. How does your country measure and report progress towards SFM at the national level?

Documents for this question:

- [Guide for country reporting FRA 2015](#)
- [FRA 2015 Terms and Definitions](#)

#### 13.1 Categories and definitions

| Category   | Definition   |
|--|--|
| Forest area monitored under a national forest monitoring framework | Forest area monitored by a national monitoring framework or systems that provide measurement based periodic monitoring of forest extent and quality. |
| Forest reporting at national scale                                 | National reporting of forest extent and characteristics that includes some measure of progress toward sustainable forest management.                 |

#### 13.2 National data

##### 13.2.1 Data sources

|   | References to sources of information   | Variables                            | Years | Additional comments |
|---|--|--------------------------------------|-------|---------------------|
| 1 | Ministry of Agriculture, Forestry, Tourism, Animal Resources, Fisheries, Cooperative and Rural Development | Permanent ground plots               | 2013  | Not yet established |
| 2 | Ministry of Agriculture, Forestry, Tourism, Animal Resources, Fisheries, Cooperative and Rural Development | Temporary ground plots               | 2013  | Not yet established |
| 3 | Ministry of Agriculture, Forestry, Tourism, Animal Resources, Fisheries, Cooperative and Rural Development | Aerial/ remote sensing sample based  | 2013  | Not yet established |
| 4 | Ministry of Agriculture, Forestry, Tourism, Animal Resources, Fisheries, Cooperative and Rural Development | Aerial/ remote sensing full coverage | 2013  | Not yet established |

##### 13.2.2 Classification and definitions

| National class         | Definition      |
|------------------------|-----------------|
| Permanent ground plots | The same as FRA |
| Temporary ground plots | The same as FRA |



|                                      |                 |
|--------------------------------------|-----------------|
| Aerial/ remote sensing sample based  | The same as FRA |
| Aerial/ remote sensing full coverage | The same as FRA |

### 13.3 Data

Table 13a

| Category                 | % of total forest area | Most recent year | Check all boxes that apply |          |                        |                        |                                     |                                      |
|--------------------------|------------------------|------------------|----------------------------|----------|------------------------|------------------------|-------------------------------------|--------------------------------------|
|                          |                        |                  | Continuous                 | Periodic | Permanent ground plots | Temporary ground plots | Aerial/ remote sensing sample based | Aerial/ remote sensing full coverage |
| Forest inventory         | 100                    | 2013             | no                         | no       | no                     | no                     | no                                  | yes                                  |
| Other field assessments  | N/A                    | N/A              | no                         | no       | no                     | no                     | no                                  | no                                   |
| Updates to other sources | N/A                    | N/A              | no                         | no       |                        |                        |                                     |                                      |
| Expert estimate          | N/A                    | N/A              |                            |          |                        |                        |                                     |                                      |

Table 13b

| Type of forest reporting used at national scale | Check boxes that apply |
|---|------------------------|
| 1 Criteria and Indicators reporting             | yes                    |
| 2 Periodic national state of the forest report  | no                     |
| 3 Other (please document)                       | no                     |
| 4 None  | yes                    |

| Other type of forest reporting |
|--------------------------------|
| no                             |

### 13.4 Comments

| Category                  | Comments          |
|---------------------------|-------------------|
| Repeated Forest Inventory | not available yet |
| Other field assessment    | not available yet |
| Updates to other sources  | not available yet |

## Other general comments

South Sudan has not yet put strategies for SFM reporting.

## 14. What is the area of forest under a forest management plan and how is this monitored?

Documents for this question:

- [Guide for country reporting FRA 2015](#)
- [FRA 2015 Terms and Definitions](#)

### 14.1 Categories and definitions

| Category  | Definition  |
|---|---|
| Forest area with management plan                        | Forest area that has a long-term documented management plan, aiming at defined management goals which is periodically revised                 |
| ...of which for production<br>( <i>sub-category</i> )   | Forest management plan mainly focused on production   |
| ...of which for conservation<br>( <i>sub-category</i> ) | Forest management plan mainly focused on conservation   |
| Monitoring of forest management plans                   | Government monitoring of forest management plan implementation conducted through field visits or audits of forest management plan performance |

### 14.2 National data

#### 14.2.1 Data sources

|   | References to sources of information   | Variables                             | Years | Additional comments   |
|---|--|---------------------------------------|-------|---|
| 1 | Ministry of Agriculture, Forestry, Tourism, Animal Resources, Fisheries, Cooperative and Rural Development | Forest area with management plan      | 2013  | South Sudan has not yet develop all that, but in future can be done |
| 2 | Ministry of Agriculture, Forestry, Tourism, Animal Resources, Fisheries, Cooperative and Rural Development | ...of which for production            | 2013  | South Sudan has not yet develop all that, but in future can be done |
| 3 | Ministry of Agriculture, Forestry, Tourism, Animal Resources, Fisheries, Cooperative and Rural Development | ...of which for conservation          | 2013  | South Sudan has not yet develop all that, but in future can be done |
| 4 | Ministry of Agriculture, Forestry, Tourism, Animal Resources, Fisheries, Cooperative and Rural Development | Monitoring of forest management plans | 2013  | South Sudan has not yet develop all that, but in future can be done |

### 14.3 Data

Table 14a

| Forest plan type | Forest area 2010 (000 ha) |
|------------------|---------------------------|
|------------------|---------------------------|

|                                  |     |
|----------------------------------|-----|
| Forest area with management plan | N/A |
| ... of which for production      | N/A |
| ... of which for conservation    | N/A |

Table 14b

| Indicate which (if any) of the following are required in forest management plans in your country |    |
|--|----|
| 1 Soil and water management  | no |
| 2 High conservation value forest delineation   | no |
| 3 Social considerations community involvement  | no |

Table 14c

|   |     |
|---|-----|
| Percent of area under forest management plan that is monitored annually | N/A |
|---|-----|

## Tiers

| Category  | Tier for status |
|---|-----------------|
| Forest area with management plan  | Tier 1          |
| Percent of area under forest management plan that is monitored annually | Tier 1          |

## Tier criteria

| Category  | Tier for status   |
|---|---|
| Forest area with management plan  | <b>Tier 3</b> : Reports that describe national records 5 years old or less that contain long-term forest monitoring plans <b>Tier 2</b> : Industry or other records indicating the presence of a long-term forest management plan <b>Tier 1</b> : Other |
| Percent of area under forest management plan that is monitored annually | <b>Tier 3</b> : Government documentation of monitoring extent <b>Tier 2</b> : Reports from forest managers or other documental sources <b>Tier 1</b> : Other  |

## 14.4 Comments

| Category                         | Comments            |
|----------------------------------|---------------------|
| Forest area with management plan | Not yet established |
| ... of which for production      | Not yet established |
| ... of which for conservation    | Not yet established |

## Other general comments

South Sudsn has not yet allocate some of its Forests under Forest management plans.

## 15. How are stakeholders involved in the management decision making for publicly owned forests?

Documents for this question:

- [Guide for country reporting FRA 2015](#)
- [FRA 2015 Terms and Definitions](#)

### 15.1 Categories and definitions

| Category                | Definition  |
|-------------------------|---|
| Stakeholder involvement | Stakeholder involvement is defined as significant inputs into at least one aspect of forest management at the operational scale |

Table 15

| Please indicate the type of stakeholder involvement in forest management decision making required in your country |    |
|---|----|
| 1. Planning phase   | no |
| 2. Operations phase   | no |
| 3. Review of operations   | no |

Tiers

| Category                   | Tier for status |
|----------------------------|-----------------|
| Type of stakeholder inputs | Tier 3          |

Tier criteria

| Category                   | Tier for status  |
|----------------------------|--|
| Type of stakeholder inputs | <b>Tier 3</b> : Government (national or sub-national) documentation of stakeholder inputs<br><b>Tier 2</b> : Government (national or subnational) requirement but stakeholder inputs not documented<br><b>Tier 1</b> : Other |

### 15.2 Comments

| Category          | Comments   |
|-------------------|--|
| planning Phase    | All these phases are not yet put in place, as South Sudan has just its independent |
| Operation Phase   | All these phases are not yet put in place, as South Sudan has just its independent |
| Review Operations | All these phases are not yet put in place, as South Sudan has just its independent |

## Other general comments

South Sudan's Forest Policy and regulations are still in Parliament as Bill not yet passed to law, until it is passed to law will allow involvement of stakeholders in the management decision making for publicly owned forests.

## 16. What is the area of forest under an independently verified forest certification scheme?

Documents for this question:

- [Guide for country reporting FRA 2015](#)
- [FRA 2015 Terms and Definitions](#)

### 16.1 Categories and definitions

| Category  | Definition   |
|---|--|
| FSC certification   | Forest area certified under the Forest Stewardship Council certification scheme  |
| PEFC certification  | Forest area certified under the Programme for the Endorsement of Forest Certification scheme   |
| Other international forest management certification                           | Forest area certified under an international forest management certification scheme with published standards and is independently verified by a third-party, excluding FSC and PEFC certification. |
| Certified forest area using a domestic forest management certification scheme | Area certified under a forest management certification scheme with published standards that are nationally recognized and independently verified by a thirdparty                                   |

### 16.2 Data

Table 16a













| International forest management certification                                       |       | Forest area (000 ha) |      |      |      |      |      |      |
|---|-------|----------------------|------|------|------|------|------|------|
|   |       | 2000                 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 |
|  | FSC   | 0                    | 0    | 0    | 0    | 0    | 0    | 0    |
|  | PEFC  | 0                    | 0    | 0    | 0    | 0    | 0    | 0    |
|  | Other | 0                    | 0    | 0    | 0    | 0    | 0    | 0    |
|   |       | 2007                 | 2008 | 2009 | 2010 | 2011 | 2012 |      |
|  | FSC   | 0                    | 0    | 0    | 0    | 0    | 0    |      |
|  | PEFC  | 0                    | 0    | 0    | 0    | 0    | 0    |      |
|  | Other | 0                    | 0    | 0    | 0    | 0    | 0    |      |

Table 16b

| Domestic forest management certification  |   | Forest area (000 ha) |      |      |      |      |      |      |
|---|---|----------------------|------|------|------|------|------|------|
|   |   | 2000                 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 |
|  | We dont have yet, but under development | 0                    | 0    | 0    | 0    | 0    | 0    | 0    |



|   |   |             |             |             |             |             |             |   |
|---|---|-------------|-------------|-------------|-------------|-------------|-------------|---|
|  | We dont have yet, but under development | 0           | 0           | 0           | 0           | 0           | 0           | 0 |
|  | We dont have yet, but under development | 0           | 0           | 0           | 0           | 0           | 0           | 0 |
|   |   | <b>2007</b> | <b>2008</b> | <b>2009</b> | <b>2010</b> | <b>2011</b> | <b>2012</b> |   |
|  | We dont have yet, but under development | 0           | 0           | 0           | 0           | 0           | 0           |   |
|  | We dont have yet, but under development | 0           | 0           | 0           | 0           | 0           | 0           |   |
|  | We dont have yet, but under development | 0           | 0           | 0           | 0           | 0           | 0           |   |

## Tier criteria

| Category   | Tier for status  |
|--|--|
| <b>International</b> forest management certification | Tier 3: International forest management scheme records maintained by the certifying organization for the reporting year<br>Tier 2: International forest management scheme records reported by the certifying organization for a period 2 years prior to the reporting year<br>Tier: 1 Other                    |
| <b>Domestic</b> forest management certification      | Tier 3: National registry reports for domestic forest management certification maintained by the certifying organization for the reporting year<br>Tier 2: Domestic forest management scheme records reported by the certifying organization for a period 2 years prior to the reporting year<br>Tier: 1 Other |

## Tiers

| Category   | Tier for status |
|--|-----------------|
| <b>International</b> forest management certification | Tier 3          |
| <b>Domestic</b> forest management certification      | Tier 3          |

## 16.3 Comments

| Category  | Comments related to data definitions etc      |
|---|---|
| Certified forest area using an international forest management certification scheme | We dont have yet, but still under development |
| Domestic forest management certification  | We dont have yet, but still under development |

## Other general comments

South Sudan at a current stage has no area of forest under an independently verified forest certification scheme, but the ministry concern is working towards that.

## 17. How much money do governments collect from and spend on forests?

Documents for this question:

- [Guide for country reporting FRA 2015](#)
- [FRA 2015 Terms and Definitions](#)

### 17.1 Categories and definitions

| Category                       | Definition  |
|--------------------------------|---|
| Forest revenue                 | All government revenue collected from the domestic production and trade of forest products and services. For this purpose revenue include: <ul style="list-style-type: none"> <li>• <b>Goods</b> : roundwood; sawnwood; biomass; woodbased panels; pulp and paper and non-wood forest products.</li> <li>• <b>Services</b> : including concession fees and royalties, stumpage payments, public timber sales revenue taxes and charges based on forest area or yield, taxes on domestic trade and export of forest products, special levies on forestry activities and payments into forest related funds, other miscellaneous inspection, licence and administrative fees levied by forest administrations, permit and licence fees for recreation and other forest related activities.</li> </ul> |
| Public expenditure on forestry | All government expenditure on forest related activities.  |

### 17.2 National data

#### 17.2.1 Data sources

|   | References to sources of information  | Variables | Years | Additional comments |
|---|---|-----------|-------|---------------------|
| 1 | Ministry of Agriculture, Forest, Tourism, Animal Resources, Fisheries, Cooperatives and Rural Development | Timber    | 2012  | N/A                 |
| 2 | Ministry of Agriculture, Forest, Tourism, Animal Resources, Fisheries, Cooperatives and Rural Development | Logs      | 2012  | N/A                 |
| 3 | N/A   | N/A       | N/A   | N/A                 |
| 4 | N/A   | N/A       | N/A   | N/A                 |

### 17.3 Data

Table 17

| Category                       | Revenues / expenditures (000 local currency) |      |      |
|--------------------------------|--|------|------|
|                                | 2000   | 2005 | 2010 |
| Forest revenue                 | N/A  | N/A  | N/A  |
| Public expenditure on forestry | N/A  | N/A  | N/A  |

|                        | 2000           | 2005 | 2010 |
|------------------------|----------------|------|------|
| Name of Local Currency | Sudanese Dinar | N/A  | N/A  |

#### 17.4 Comments

| Category                       | Comments related to data definitions etc |
|--------------------------------|--|
| Forest revenue                 | The same as FRA                          |
| Public expenditure on forestry | The same as FRA                          |
| Other general comments         | The same as FRA                          |

#### Other general comments

No proper system was put in place yet to regulate how much money governments collect from and spend on forests as our Forest Policy and Regulation is still in Paliament.

## 18. Who owns and manages the forests and how has this changed?

Documents for this question:

- [Guide for country reporting FRA 2015](#)
- [FRA 2015 Terms and Definitions](#)

### 18.1 Categories and definitions

| Category   | Definition   |
|--|--|
| Public ownership   | Forest owned by the State or administrative units of the public administration or by institutions or corporations owned by the public administration.  |
| ...of which owned by the state at national scale<br>( <i>sub-category</i> )                    | Forest owned by the State at the national scale or administrative units of the public administration or by institutions or corporations owned by the public administration.  |
| ...of which owned by the state at the sub-national government scale<br>( <i>sub-category</i> ) | Forest owned by the State at the sub-national government scale or administrative units of the public administration or by institutions or corporations owned by the public administration.   |
| Private ownership  | Forest owned by individuals, families, communities, private cooperatives corporations and other business entities, private, religious and educational institutions, pension or investment funds, NGOs, nature conservation associations and other private institutions.  |
| ...of which individuals<br>( <i>sub-category</i> )   | Forest owned by individuals and families.  |
| ...of which private business entities and institutions<br>( <i>sub-category</i> )              | Forest owned by private corporations cooperatives companies and other business entities as well as private nonprofit organizations such as NGOs nature conservation associations, and private religious and educational institutions etc.  |
| ...of which local tribal and indigenous communities<br>( <i>sub-category</i> )                 | Forest owned by a group of individuals belonging to the same community residing within or in the vicinity of a forest area or forest owned by communities of indigenous or tribal people The community members are coowners that share exclusive rights and duties and benefits contribute to the community development. |
| Unknown ownership  | Forest area where ownership is unknown includes areas where ownership is unclear or disputed.  |
| Categories related to management rights of public forests                                      | Definition   |
| Public Administration  | The Public Administration (or institutions or corporations owned by the Public Administration) retains management rights and responsibilities within the limits specified by the legislation.  |
| Individuals households   | Forest management rights and responsibilities are transferred from the Public Administration to individuals or households through long-term leases or management agreements.   |
| Private companies  | Forest management rights and responsibilities are transferred from the Public Administration to corporations, other business entities private cooperatives, private nonprofit institutions and associations, etc., through long-term leases or management agreements.  |
| Communities  | Forest management rights and responsibilities are transferred from the Public Administration to local communities (including indigenous and tribal communities) through long-term leases or management agreements.   |
| Other form of management rights  | Forests for which the transfer of management rights does not belong to any of the categories mentioned above.  |

### 18.2 National data

## 18.2.1 Data sources

|   | References to sources of information   | Variables        | Years | Additional comments   |
|---|--|------------------|-------|---|
| 1 | Ministry of Agriculture, Forestry, Tourism, Animal resources, Cooperatives and Rural Development | Public ownership | 2013  | 90% of the forest was owned by the government, so it is a public forest |
| 2 | N/A  | N/A              | N/A   | N/A   |
| 3 | N/A  | N/A              | N/A   | N/A   |
| 4 | N/A  | N/A              | N/A   | N/A   |

## 18.2.2 Classification and definitions

| National class  | Definition      |
|---|-----------------|
| Public ownership  | The same as FRA |
| ...of which owned by the state at national scale                    | The same as FRA |
| ...of which owned by the state at the sub-national government scale | The same as FRA |
| Private ownership   | The same as FRA |
| ...of which individuals   | The same as FRA |
| ...of which private business entities and institutions              | The same as FRA |
| N/A   | The same as FRA |

## 18.2.3 Original data

|         |
|---------|
| No data |
|---------|

## 18.3 Analysis and processing of national data

## 18.3.1 Adjustment

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## 18.3.2 Estimation and forecasting

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|  |
|--|

## 18.3.3 Reclassification

## 18.4 Data

Table 18a

| Categories  |  | Forest area (1000 hectares) |      |      |      |
|---|--|-----------------------------|------|------|------|
|   |  | 1990                        | 2000 | 2005 | 2010 |
|    | Public ownership   | N/A                         | N/A  | N/A  | N/A  |
|    | ... of which owned by the state at national scale                    | N/A                         | N/A  | N/A  | N/A  |
|    | ... of which owned by the state at the sub-national government scale | N/A                         | N/A  | N/A  | N/A  |
|    | Private ownership  | N/A                         | N/A  | N/A  | N/A  |
|   | ... of which owned by individuals                                    | N/A                         | N/A  | N/A  | N/A  |
|  | ... of which owned by private business entities and institutions     | N/A                         | N/A  | N/A  | N/A  |
|  | ... of which owned by local, tribal and indigenous communities       | N/A                         | N/A  | N/A  | N/A  |
|  | Unknown ownership  | N/A                         | N/A  | N/A  | N/A  |
| TOTAL   |  | .00                         | .00  | .00  | .00  |

## Tiers

| Category          | Tier for status | Tier for reported trend |
|-------------------|-----------------|-------------------------|
| Public ownership  | Tier 1          | Tier 1                  |
| Private ownership | Tier 1          | Tier 1                  |
| Unknown ownership | Tier 1          | Tier 1                  |

## Tier criteria

| Category | Tier for status | Tier for reported trend |
|----------|-----------------|-------------------------|
|----------|-----------------|-------------------------|

|           |  |   |
|-----------|--|---|
| Ownership | Tier 3: National forestry statistics registers of land titles or maps on land ownership or all forest area under one ownership category that is five years old or less. Tier 2: National forestry statistics registers of land titles or maps on land ownership or questionnaires that are more than five years old. Tier 1: Other | <b>Tier 3</b> : Estimate based on repeated compatible tiers 3 (tier for status) <b>Tier 2</b> : Estimate based on repeated compatible tier 2 or combination tier 3 and 2 or 1 (tier for status) <b>Tier 1</b> : Other |
|-----------|--|---|

Table 18b - Holder of management rights of public forests

| Categories            | Forest area (000 hectares) |      |      |      |
|-----------------------|----------------------------|------|------|------|
|                       | 1990                       | 2000 | 2005 | 2010 |
| Public Administration | N/A                        | N/A  | N/A  | N/A  |
| Individuals           | N/A                        | N/A  | N/A  | N/A  |
| Private companies     | N/A                        | N/A  | N/A  | N/A  |
| Communities           | N/A                        | N/A  | N/A  | N/A  |
| Other                 | N/A                        | N/A  | N/A  | N/A  |
| TOTAL                 | .00                        | .00  | .00  | .00  |

| Category              | Tier for reported trend | Tier for status |
|-----------------------|-------------------------|-----------------|
| Public Administration | Tier 1                  | Tier 1          |
| Individuals           | Tier 1                  | Tier 1          |
| Private companies     | Tier 1                  | Tier 1          |
| Communities           | Tier 1                  | Tier 1          |
| Other                 | Tier 1                  | Tier 1          |

### 18.5 Comments

| Category          | Comments related to data definitions etc                  | Comments on the reported trend |
|-------------------|---|--------------------------------|
| Public ownership  | South Sudan has no available data or information for that | N/A                            |
| Private ownership | available data or information for that                    | N/A                            |
| Unknown ownership | available data or information for that                    | N/A                            |
| Management rights | available data or information for that                    | N/A                            |



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**Other general comments to the table**

South Sudan government owns and manages the forest and we have a limited information on how Forests changes, and this is for the first time South Sudan is jointing gloab in reporting Forest

## 19. How many people are directly employed in forestry?

Documents for this question:

- [Guide for country reporting FRA 2015](#)
- [FRA 2015 Terms and Definitions](#)

### 19.1 Categories and definitions

| Category                    | Definition   |
|-----------------------------|--|
| Full-time equivalents (FTE) | A measurement equal to one person working full-time during a specified reference period.   |
| Employment in forestry      | Employment in activities related to production of goods derived from forests. This category corresponds to the ISIC/NACE Rev. 4 activity A02 (Forestry and logging). |

### 19.2 National data

#### 19.2.1 Data sources

|   | References to sources of information  | Variables | Years     | Additional comments  |
|---|---|-----------|-----------|--|
| 1 | Ministry of Agriculture, Forestry, Tourism, Animal Resources, Fisheries, Cooperatives and Rural Development | Employees | 2005-2013 | The previous information of Employees before South Sudan Comprehensive Peace Agreement (CPA) in 2005, is in Sudan. |
| 2 | N/A   | N/A       | N/A       | N/A  |
| 3 | N/A   | N/A       | N/A       | N/A  |
| 4 | N/A   | N/A       | N/A       | N/A  |

#### 19.2.2 Classification and definitions



| National class              | Definition      |
|-----------------------------|-----------------|
| Full-time equivalents (FTE) | The same as FRA |
| Employment in forestry      | The same as FRA |
| N/A                         | N/A             |
| N/A                         | N/A             |

#### 19.2.3 Original data

|         |
|---------|
| No data |
|---------|

**19.3 Data**

Table 19

| Category  |                        | Employment (000 years FTE) |      |      |      |
|---|------------------------|----------------------------|------|------|------|
|   |                        | 1990                       | 2000 | 2005 | 2010 |
|  | Employment in forestry | N/A                        | N/A  | 79   | 79   |
|  | ... of which female    | N/A                        | N/A  | 21   | 21   |

**19.4 Comments**

| Category               | Comments related to data definitions etc | Comments on the reported trend |
|------------------------|--|--------------------------------|
| Employment in forestry | The same as FRA                          | N/A                            |

**Other general comments to the table**

South Sudan has large area of Forest, but due to long civil war, and lack of proper control of forest resources, limited funds from government to develop forest and non forest product, few people are directly employed in the forestry, the figure provided in table 19 is still subject to change.

## 20. What is the contribution of forestry to Gross Domestic Product (GDP)?

Documents for this question:

- [Guide for country reporting FRA 2015](#)
- [FRA 2015 Terms and Definitions](#)

### 20.1 Categories and definitions

| Category  | Definition   |
|---|--|
| Gross value added from forestry (at basic prices) | This category corresponds to the ISIC/NACE Rev. 4 activity A02 (Forestry and logging). |

### 20.2 Data

Table 20 (Pre-filled data from UNdata/EUROSTAT)

| Category  | Million | Currency                | Year for latest available information |
|---|---------|-------------------------|---------------------------------------|
| Gross value added from forestry (at basic prices) | N/A     | South Sudan Pounds(SSP) | 2012                                  |

### 20.3 Comments

| Category  | Comments        |
|---|-----------------|
| Gross value added from forestry (at basic prices) | The same as FRA |

Other general comments

South Sudan currently has not yet its forest policy and regulation to know how much forestry contribute to Gross Domestic Product.

## 21. What is forest area likely to be in the future

Documents for this question:

- [Guide for country reporting FRA 2015](#)
- [FRA 2015 Terms and Definitions](#)

### 21.1 Categories and definitions

| Category                                     | Definition  |
|--|---|
| Government target/aspiration for forest area | Government target/aspiration for forest area for a specific year.                           |
| Forests earmarked for conversion             | Forest area that is allocated/classified or scheduled to be converted into non-forest uses. |

### 21.2 National data

#### 21.2.1 Data sources

|   | References to sources of information | Variables        | Years | Additional comments |
|---|--------------------------------------|------------------|-------|---------------------|
| 1 | FRA 2013 Remote Sensing Base Studies | Forest           | 2013  | validated           |
| 2 | FRA 2013 Remote Sensing Base Studies | Other woodland   | 2013  | validated           |
| 3 | FRA 2013 Remote Sensing Base Studies | Other land cover | 2013  | validated           |
| 4 | SIFSIA Land Cover Atlas Report       | Water body       | 2011  | Report              |

### 21.3 Data

Table 21a

| Category                                     | Forest area (000 ha) |      |
|--|----------------------|------|
|  | 2020                 | 2030 |
| Government target/aspiration for forest area | N/A                  | N/A  |

Table 21b

| Category                         | Forest area (000 ha) |
|----------------------------------|----------------------|
|                                  | 2013                 |
| Forests earmarked for conversion | N/A                  |

### 21.4 Comments

| Category | Comments |
|----------|----------|
|----------|----------|

---

|  |   |
|--|---|
| Government target/aspiration for forest area | Cannot be estimated at this level as South Sudan has limited funds. |
| Forests earmarked for conversion             | Cannot be estimated at this level as South Sudan has limited funds. |

Other general comments

|  |
|--|
|  |
|--|