

User Guide FRA 2020 Platform

FRA TEAM

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FRA Platform Quick Guide

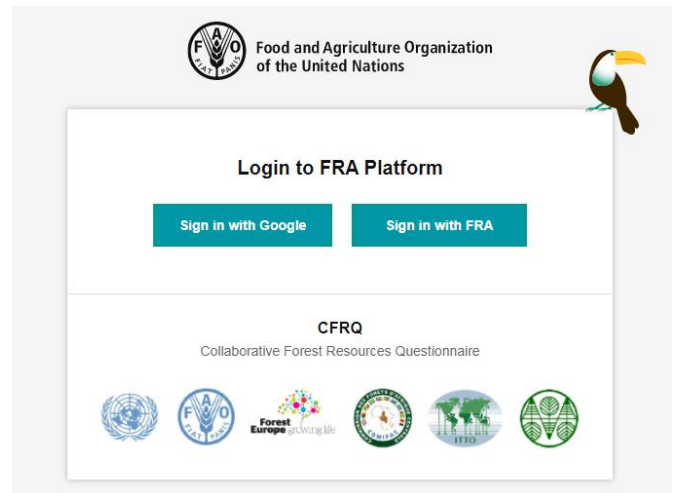
1. Login

To access the Platform the first time it is necessary to use the invitation link sent to your mail account.

It is preferable to use either Chrome or Mozilla Firefox browsers when accessing the Platform.

Two options of login are available:

- Option 1: Sign in with your Google account
- Option 2: Sign in with another email account and create a password (using one CAPITAL letter and 1 numerical digit)



After your first login (authentication), it is possible to access the Platform using the following URL address:

<https://fra-platform.herokuapp.com/>

Should you have any problems accessing the Platform, please contact fra@fao.org.

2. Home page

The 'Overview' page contains the milestones for 2018-2019-2020, as well as Contacts (national collaborator and reviewers) with message icons which enables you to communicate directly with a reviewer and/or national collaborators.

[Overview](#)
[Manage collaborators](#)
[Recent activity](#)
[About FRA](#)
[Links](#)

Milestones

2019

JANUARY – FEBRUARY

Validation of final country reports

MARCH – DECEMBER

Data analysis and report drafting

2020

MARCH

FRA 2020 Preliminary Findings


JULY

FRA 2020 Main Report


AUGUST


Launch of analysis and dissemination platform

Contacts




Monica
Collaborator


 Message



National Correspondent
National correspondent

Messages with Monica


National Correspondent
27 February 2018
hello!



National Correspondent
27 February 2018
Hello!

3. Manage collaborators

National correspondents can assign, edit and remove national collaborators.

To do so, click on ‘*Manage collaborators*’, type in the name, role and the email of collaborator(s) and then press ‘*Add collaborator*’. Several collaborators can be added and can work on the report simultaneously, compiling different tables.

While collaborators can edit the report, only National Correspondents can submit the report for review.

 Hide sidebar

English
National Corr

Atlantis 08

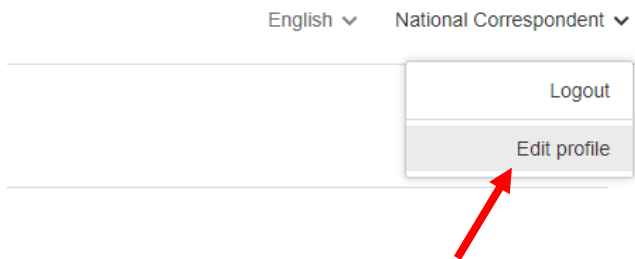
[Overview](#)
[Manage collaborators](#)
[Recent activity](#)
[About FRA](#)

| Name | Role | Email | |
|-----------------------------------|--|------------------------------------|----------------------------------|
| <input type="text" value="Name"/> | <input type="text" value="Choose..."/> | <input type="text" value="Email"/> | Add collaborator |

| Name | Role | Email | Login | |
|--------|--------------|--------------------------|----------------------------|----------------------|
| Monica | Collaborator | monica.garzuglia@fao.org | monica.garzuglia@gmail.com | Edit |

How to edit your profile

Click on 'Edit profile' at the top right corner



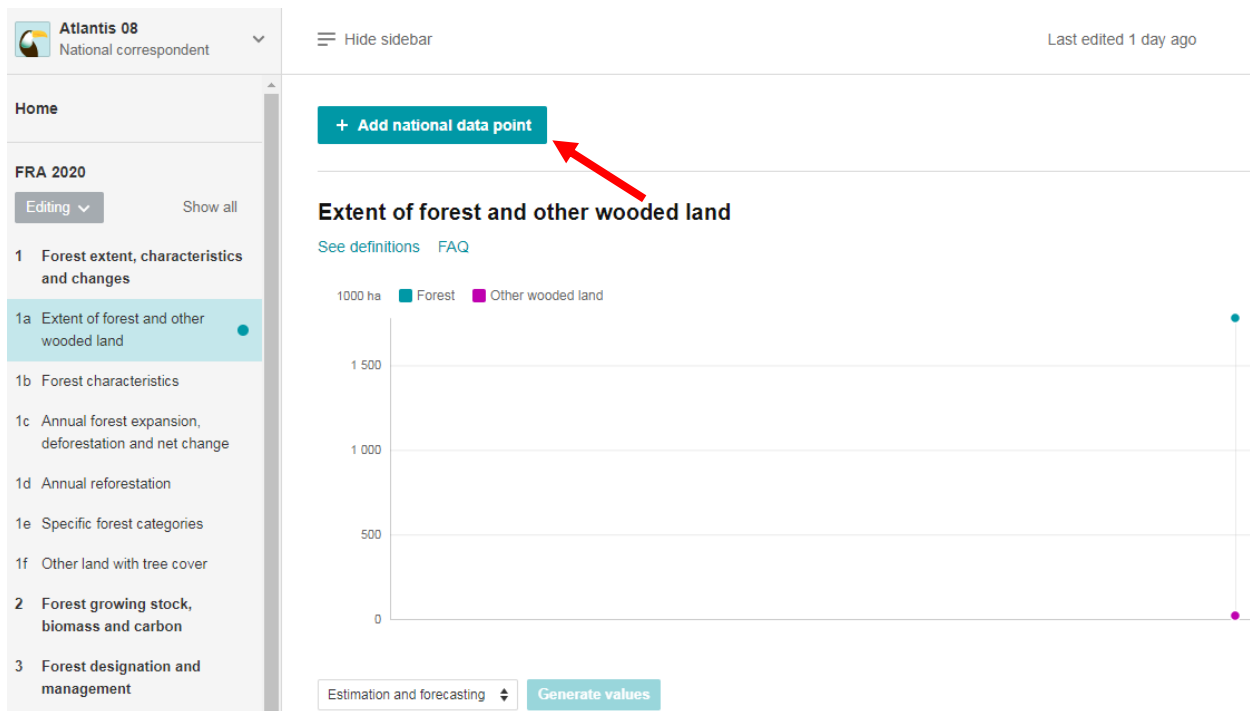
A profile picture and other information can be added.

A screenshot of a profile editing form. At the top is a grey circular placeholder for a profile picture. To its right is a teal button labeled 'Choose picture'. Below the picture placeholder are several input fields: 'NAME' (containing 'National Correspondent'), 'EMAIL', 'LOGIN', 'INSTITUTION', and 'POSITION'. Below these is a 'ROLE' section with a dropdown menu currently showing 'NATIONAL CORRESPONDENT' and a smaller dropdown below it showing 'Atlantis 08'. At the bottom of the form are two buttons: 'Cancel' and 'Done'.

4. How to add a National Data Point (NDP)

(Only tables 1a and 1b)

Open the table 1a Extent of forest and other wooded land. Then click on 'Add national data point'. Start with the oldest reference year (1992 in the example).



Select the reference year:

National data point

Reference year for the data

Select...

2007
2006
2005
2004
2003
2002
2001
2000
1999
1998
1997
1996
1995
1994
1993
1992
1991
1990
1989
1988

Choose...

and definitions Copy previous values

d paste national classes

It is possible to copy and paste straight from your data source (Excel table in the example):

| | A | B | C |
|---|---|----------------|---|
| 1 | Data sources | | |
| 2 | References to sources of information | Year(s) | Additional comments |
| 3 | Smith, B 1994. <i>National Pine forest and mangrove inventory</i> . | 1992 | National inventory of pine and mangrove forests covering the whole country, using remote sensing. |
| 4 | Grove, N 2004. <i>Forestry national report on state of the forest</i> . | 2002 | Analysis of forest cover based on satellite images. |

Paste the text directly into the platform:

National data point

Reference year for the data

1992

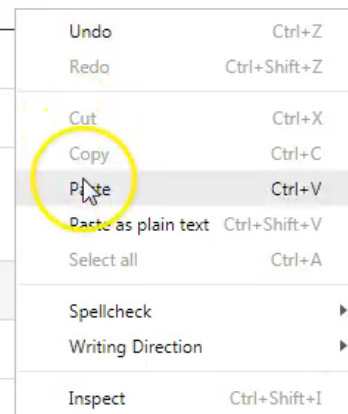
Data sources

| | |
|---------------------|-----------|
| References | |
| Methods used | Choose... |
| Additional comments | |

Classifications and definitions

[Copy previous values](#)

| |
|--|
| National class |
| Enter or copy and paste national classes |



Select the methods used to derive national data:

National data point

Reference year for the data

1992

Data sources

| | |
|---------------------|---|
| References | Smith, B 1994. National Pine forest and mangrove inventory. |
| Methods used | National Forest Inventory |
| Additional comments | <input checked="" type="checkbox"/> National Forest Inventory <input type="checkbox"/> Sample-based remote sensing assessment <input type="checkbox"/> Full-cover forest/vegetation maps <input type="checkbox"/> Registers/questionnaires <input type="checkbox"/> Other (specify in comments) |

Classifications and definitions [Copy previous values](#)

| | |
|----------------|--|
| National class | Enter or copy and paste national classes |
|----------------|--|

Copy national classes:

| E | F |
|----------------------|---|
| National definitions | |
| National Class | Definition |
| Pine Plantations | Man-made pine forests of <i>Pinus</i> spp. |
| Closed Forest | Natural forest with crown cover by trees and / or ferns 40-100% and g |
| Open Forest | Natural forest with crown cover by trees and / or ferns 10-40% and gr |
| Hardwood plantation | Man-made forests with <i>Tectona grandis</i> . |
| Other land | Agricultural lands and built-up areas |

Paste the national data into the Platform:

| | |
|---------------------|--|
| Methods used | National Forest Inventory |
| Additional comments | National inventory of pine and mangrove forests covering the whole country |

Classifications and definitions

[Copy previous values](#)

| National class | Definition |
|--|------------|
| Enter or copy and paste national classes | |

Original data and reclassification

1a Forest, other wooded land and other land

Forest, other wooded land and other land [See details](#)

Classifications

Undo

Ctrl+Z

Redo

Ctrl+Shift+Z

Cut

Ctrl+X

Copy

Ctrl+C

Paste

Ctrl+V

Paste as plain text

Ctrl+Shift+V

Select all

Ctrl+A

Spellcheck

Writing Direction

Inspect

Ctrl+Shift+I

It is possible to copy and paste original data from your data source (Excel table in the example):

| | A | B | C |
|---|----------------------|--------------|------|
| 1 | ORIGINAL DATA | | |
| 2 | | Area 1000 ha | |
| 3 | National class | 1992 | 2002 |
| 4 | Pine Plantations | 200 | 185 |
| 5 | Closed Forest | 600 | 600 |
| 6 | Open Forest | 100 | 100 |
| 7 | Hardwood plantations | 900 | 885 |
| 8 | Other land | 620 | 640 |

Paste the data into Platform.

Original data and reclassification

| 1a Forest, other wooded land and other land | | |
|--|----------------|--------|
| Forest, other wooded land and other land See definitions | | |
| Classifications and definitions | | |
| Class | Area (1000 ha) | Forest |
| Pine Plantations | | % |
| Closed Forest | | % |
| Open Forest | | % |
| Hardwood plantations | | % |
| Other land | | % |
| Total | | — |

Undo Ctrl+Z
 Redo Ctrl+Shift+Z
 Cut Ctrl+X
 Copy Ctrl+C
 Paste Ctrl+V
 Paste as plain text Ctrl+Shift+V
 Select all Ctrl+A
 Spellcheck
 Writing Direction
 Inspect Ctrl+Shift+I

Comments [Edit](#)

Assign percentages to reclassify your national classes into FRA classes:

Original data and reclassification

| 1a Forest, other wooded land and other land | | 1b Forest characteristics | |
|--|----------------|---------------------------|-------------------|
| Forest, other wooded land and other land See definitions | | | |
| Classifications and definitions | | FRA classes | |
| Class | Area (1000 ha) | Forest | Other wooded land |
| Pine Plantations | 200.00 | 100.00 % | 0.00 % |
| Closed Forest | 600.00 | 100.00 % | 0.00 % |
| Open Forest | 100.00 | 80.00 % | 20.00 % |
| Hardwood plantations | 900.00 | 100.00 % | 0.00 % |
| Other land | 620.00 | 0.00 % | 0.00 % |
| Total | 2 420.00 | 1 780.00 | 20.00 |

The Platform will automatically calculate the corresponding areas.

Then press 'Done editing' button below the table.

| FRA classes | | | |
|-------------|-------------------|--|------------|
| Forest | Other wooded land | | Other land |
| 100.00 % | 0.00 % | | 0.00 % |
| 100.00 % | 0.00 % | | 0.00 % |
| 80.00 % | 20.00 % | | 0.00 % |
| 100.00 % | 0.00 % | | 0.00 % |
| 0.00 % | 0.00 % | | 100.00 % |
| 1 780.00 | 20.00 | | 620.00 |

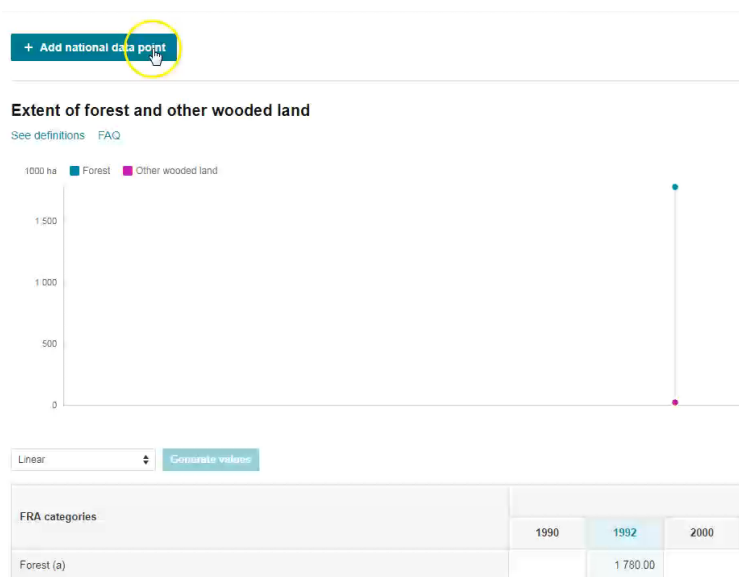
Discard changes

Done editing

Delete

All entries are saved automatically. It is possible to enter as many national data points as you wish to use for the estimation and forecasting to FRA reference years.

To add a second national data point, repeat the same steps described above starting by adding the reference year (2002 in the example):



Select the reference year:

National data point

Reference year for the data

Select...
2020
2019
2018
2017
2016
2015
2014
2013
2012
2011
2010
2009
2008
2007
2006
2005
2004
2003
2002
2001

Choose...

ents

and definitions

Copy previous values

Definition

and paste national classes

Copy the data source:

| | A | B | C |
|---|---|----------------|---|
| 1 | Data sources | | |
| 2 | References to sources of information | Year(s) | Additional comments |
| 3 | Smith, B 1994. <i>National Pine forest and mangrove inventory</i> . | 1992 | National inventory of pine and mangrove forests covering the whole country, using remote sensing. |
| 4 | Grove, N 2004. <i>Forestry national report on state of the forest</i> . | 2002 | Analysis of forest cover based on satellite images. |

Paste the text into the Platform:

National data point

Reference year for the data

2002

Data sources

| | |
|---------------------|-----------|
| References | |
| Methods used | Choose... |
| Additional comments | |

Classifications and definitions [Copy previous values](#)

| | |
|--|--|
| National class | |
| Enter or copy and paste national classes | |

Undo Ctrl+Z

Redo Ctrl+Shift+Z

Cut Ctrl+X

Copy Ctrl+C

Paste Ctrl+V

Paste as plain text Ctrl+Shift+V

Select all Ctrl+A

Spellcheck

Writing Direction

Inspect Ctrl+Shift+I

Select the methods used to derive national data:

Reference year for the data

2002

Data sources

| | |
|---------------------|--|
| References | Grove, N 2004. Forestry national report on state of the forest. |
| Methods used | National Forest Inventory |
| Additional comments | <input checked="" type="checkbox"/> National Forest Inventory <input type="checkbox"/> Sample-based remote sensing assessment |

Classifications and definitions [Copy previous values](#)

| | |
|--|---|
| National class | <input type="checkbox"/> Full-cover forest/vegetation maps <input type="checkbox"/> Registers/questionnaires <input type="checkbox"/> Other (specify in comments) |
| Enter or copy and paste national classes | |

It is possible to copy previous classifications and definitions entered in the Platform, by selecting 'Copy previous values' (if the national classes are the same as for the previous data point):

Classifications and definitions

Copy previous values

| National class | Definition |
|--|------------|
| Enter or copy and paste national classes | |

Classifications and definitions

Copy previous values

| National class | Definition |
|------------------------|---|
| X Pine Plantations | Man-made pine forests of Pinus spp. |
| X Closed Forest | Natural forest with crown cover by trees and / or ferns 40-100% and ground coverage by, palm and / or bamboo over 20% |
| X Open Forest | Natural forest with crown cover by trees and / or ferns 10-40% and ground coverage by, palm and / or bamboo 50-80% |
| X Hardwood plantations | Man-made forests with Tectona grandis. |
| X Other land | Agricultural lands and built-up areas |

Copy and paste data from your data source (Excel table in the example):

| | A | B | C |
|---|----------------------|--------------|------|
| 1 | ORIGINAL DATA | | |
| 2 | | Area 1000 ha | |
| 3 | National class | 1992 | 2002 |
| 4 | Pine Plantations | 200 | 185 |
| 5 | Closed Forest | 600 | 600 |
| 6 | Open Forest | 100 | 100 |
| 7 | Hardwood plantations | 900 | 885 |
| 8 | Other land | 620 | |

Original data and reclassification

| |
|---|
| 1a Forest, other wooded land and other land |
|---|

Forest, other wooded land and other land [See definitions](#)

| Classifications and definitions | | |
|---------------------------------|----------------|----------|
| Class | Area (1000 ha) | Forest |
| Pine Plantations | | 100.00 % |
| Closed Forest | | 100.00 % |
| Open Forest | | 80.00 % |
| Hardwood plantations | | 100.00 % |
| Other land | | 0.00 % |
| Total | | - |

Then press 'Done editing':

| | | |
|--------|----------|---|
| 0.00 % | 100.00 % | + |
| 20.00 | 640.00 | |

+

Done editing

5. How to edit and delete national data point

You can edit/delete a national data point by clicking on the reference year of the NDP in the table 1a
Extent of forest and other wooded land.

| FRA categories | Area (1000 ha) | | | | | |
|-----------------------|----------------|----------|----------|----------|----------|----------|
| | 1990 | 1992 | 2000 | 2002 | 2010 | 2015 |
| Forest (a) | | 1 780.00 | | 1 750.00 | | |
| Other wooded land (b) | | 20.00 | | 20.00 | | |
| Other land (c-a-b) | – | 2 612.00 | – | 2 642.00 | – | – |
| Total land area (c) | 4 412.00 | 4 412.00 | 4 412.00 | 4 412.00 | 4 412.00 | 4 412.00 |

Then it is possible to edit previously entered data or delete the entire NDP.

Hide sidebar

English National Correspondent

National data point

Discard changes

Done editing

Delete

Reference year for the data

1992

Data sources

| | | |
|---------------------|---|--|
| References | Smith, B 1994. National Pine forest and mangrove inventory. | |
| Methods used | National Forest Inventory | |
| Additional comments | National inventory of pine and mangrove forests covering the whole country, using remote sensing. | |

Classifications and definitions

Copy previous values

| National class | Definition |
|------------------------|---|
| X Pine Plantations | Man-made pine forests of Pinus spp. |
| X Closed Forest | Natural forest with crown cover by trees and / or ferns 40-100% and ground coverage by, palm and / or bamboo over 20% |
| X Open Forest | Natural forest with crown cover by trees and / or ferns 10-40% and ground coverage by, palm and / or bamboo 50-80% |
| X Hardwood plantations | Man-made forests with Tectona grandis. |
| X Other land | Agricultural lands and built-up areas |

6. Estimation and forecasting

The Platform provides the possibility of selecting the preferred estimation and forecasting method:

Estimation and forecasting

Generate values

| | 1990 | 1992 | 2000 | 2002 |
|-----------------------|----------|----------|----------|----------|
| Forest (a) | | 1 780.00 | | 1 750.00 |
| Other wooded land (b) | | 20.00 | | 20.00 |
| Other land (c-a-b) | – | 2 612.00 | – | 2 642.00 |
| Total land area (c) | 4 412.00 | 4 412.00 | 4 412.00 | 4 412.00 |

Once selected, press 'Generate values':

Linear

Generate values

☒ Forest

☒ Other wooded land

| FRA categories | 1990 | 1992 | 2000 | 2002 |
|-----------------------|----------|----------|----------|----------|
| Forest (a) | | 1 780.00 | | 1 750.00 |
| Other wooded land (b) | | 20.00 | | 20.00 |
| Other land (c-a-b) | – | 2 612.00 | – | 2 642.00 |
| Total land area (c) | 4 412.00 | 4 412.00 | 4 412.00 | 4 412.00 |

The Platform automatically calculates the data for FRA reporting years and generates results in graphical and tabular form:

Extent of forest and other wooded land

[See definitions](#) [FAQ](#)



Linear

☒ Forest

☒ Other wooded land

| FRA categories | Area (1000 ha) | | | | | |
|-----------------------|----------------|----------|----------|----------|----------|----------|
| | 1990 | 1992 | 2000 | 2002 | 2010 | 2015 |
| Forest (a) | 1 786.00 | 1 780.00 | 1 756.00 | 1 750.00 | 1 726.00 | 1 711.00 |
| Other wooded land (b) | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 |
| Other land (c-a-b) | 2 606.00 | 2 612.00 | 2 636.00 | 2 642.00 | 2 666.00 | 2 681.00 |
| Total land area (c) | 4 412.00 | 4 412.00 | 4 412.00 | 4 412.00 | 4 412.00 | 4 412.00 |


Comments explaining how the estimation and forecasting were performed, as well as any other relevant information related to the data should be added in the comment section below the table:

Comments [Edit](#)

Since national data point differed from FRA reporting years, linear interpolation and extrapolation have been applied to estimate forest area for FRA reference years.

7. 1b Forest characteristics

It is possible to use the same national data points entered for table 1a, in order to estimate area figures for table 1b on Forest characteristics. To edit the National Data Point and start working at table 1b click on the data point in the main table:

Estimation and forecasting 

Generate values

| FRA categories | | | |
|-----------------------|----------|--|----------|
| | 1990 |  1992 | 2000 |
| Forest (a) | 1 780.00 | 1 780.00 | 1 780.00 |
| Other wooded land (b) | 20.00 | 20.00 | 20.00 |
| Other land (c-a-b) | 2 612.00 | 2 612.00 | 2 612.00 |
| Total land area (c) | 4 412.00 | 4 412.00 | 4 412.00 |

Assign percentages to the national classes to reclassify into FRA forest characteristics classes:

Original data and reclassification

1a Forest, other wooded land and other land

1b Forest characteristics

Forest characteristics [See definitions](#)

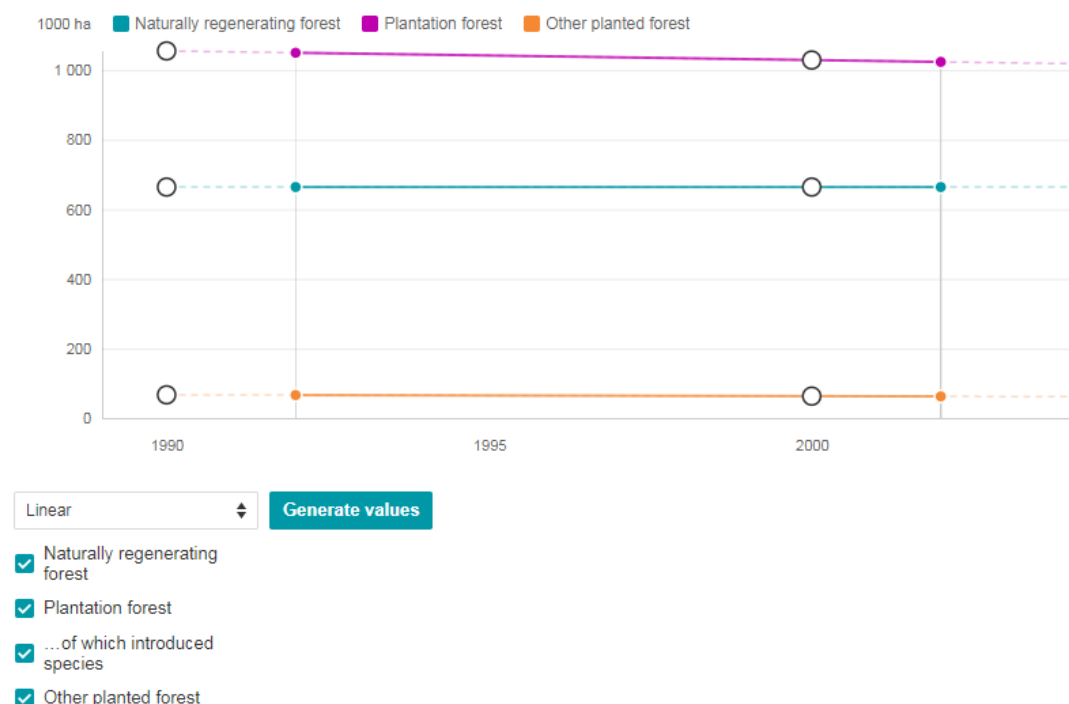
| Classifications and definitions | | FRA classes | | |
|---------------------------------|----------------|-------------------------------|-------------------|----------------------|
| Class | Area (1000 ha) | Naturally regenerating forest | Plantation forest | Other planted forest |
| Pine Plantations | 200.00 | 0.00 % | 75.00 % | 25.00 % |
| Closed Forest | 600.00 | 100.00 % | 0.00 % | 0.00 % |
| Open Forest | 80.00 | 80.00 % | 0.00 % | 20.00 % |
| Hardwood plantations | 900.00 | 0.00 % | 100.00 % | 0.00 % |
| Total | 1 780.00 | 664.00 | 1 050.00 | 66.00 |

Then click '*Done editing*' and the FRA forest characteristics classes will be automatically calculated. Choose an estimation and forecasting method and click on '*Generate values*':

| FRA categories | Forest area (1000 ha) Copy values | | | | | | | | |
|-----------------------------------|---|----------------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| | 1990 | 1992 | 2000 | 2002 | 2010 | 2015 | 2016 | 2017 | 2018 |
| Naturally regenerating forest (a) | 664.00 | 664.00 | 664.00 | 664.00 | 664.00 | 664.00 | 664.00 | 664.00 | 664.00 |
| Planted forest (b) | 1 122.00 | 1 116.00 | 1 092.00 | 1 086.00 | 1 062.00 | 1 047.01 | 1 044.02 | 1 041.03 | 1 038.04 |
| Plantation forest | 1 055.25 | 1 050.00 | 1 029.00 | 1 023.75 | 1 002.75 | 989.63 | 987.01 | 984.39 | 981.77 |
| ...of which introduced species | | | | | | | | | |
| Other planted forest | 66.75 | 66.00 | 63.00 | 62.25 | 59.25 | 57.38 | 57.01 | 56.64 | 56.27 |
| Total (a+b) | 1 786.00 | 1 780.00 | 1 756.00 | 1 750.00 | 1 726.00 | 1 711.01 | 1 708.02 | 1 705.03 | 1 702.04 |
| Total forest area | 1 780.00 | 1 780.00 | 1 780.00 | 1 750.00 | 1 780.00 | 1 780.00 | 1 780.00 | 1 780.00 | 1 780.00 |

Forest characteristics

[See definitions](#) [FAQ](#)



8. Reporting on all the other tables

National Data Point approach for reporting is an option available only for tables 1a and 1b. For reporting on all the other tables of the FRA 2020 Country Report, it is important to document the national data and the analysis and processing of national data in the corresponding boxes in the Platform. Below an example for table 2a:

National Data

Data sources + type of data source eg NFI, etc [Edit](#)

| References to sources of information | Year(s) | Additional comments |
|---|---------|---|
| Smith, B 1994. <i>National Pine forest and mangrove inventory</i> . | 1992 | National inventory of pine and mangrove forests covering the whole country. |
| Grove, N 2004. <i>Forestry national report on state of the forest</i> . | 2002 | Analysis of forest cover based on satellite images. |

National classification and definitions [Edit](#)

| National Class | Definition |
|----------------------|---|
| Pine Plantations | <i>Man-made pine forests of Pinus spp.</i> |
| Closed Forest | Natural forest with crown cover by trees and / or ferns 40-100% and ground coverage by, palm and / or bamboo over 20% |
| Open Forest | Natural forest with crown cover by trees and / or ferns 10-40% and ground coverage by, palm and / or bamboo 50-80% |
| Hardwood plantations | Man-made forests with <i>Tectona grandis</i> . |
| Other land | Agricultural lands and built-up areas |

Original data [Edit](#)

| National class | Growing stock/ha | |
|----------------------|------------------|------|
| | 1992 | 2002 |
| Pine Plantations | 150 | 160 |
| Closed Forest | 210 | 210 |
| Open Forest | 80 | 80 |
| Hardwood plantations | 160 | 180 |

Analysis and processing of national data

Estimation and forecasting [Edit](#)

Reclassification into FRA 2020 categories [Edit](#)

| National class | % of growing stock | | |
|----------------------|-------------------------------|-------------------|----------------------|
| | Naturally regenerating forest | Plantation forest | Other planted forest |
| Pine Plantations | 0 | 75 | 25 |
| Closed Forest | 100 | 0 | 0 |
| Open Forest | 80 | 0 | 20 |
| Hardwood plantations | 0 | 100 | 0 |

| FRA Categories | Growing stock total million m3 | |
|----------------|--------------------------------|--------|
| | 1992 | 2002 |
| Nat. reg. | 132.40 | 132.40 |
| Plantation | 166.50 | 181.50 |
| Oth Plant. | 9.10 | 9.00 |

Growing stock

[See definitions](#) [FAQ](#)

Please make sure you have entered data in tables 1a & 1b before editing this table

| FRA categories | Growing stock m³/ha (over bark) Copy values | | | | | | | | |
|-----------------------------------|---|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
| | 1990 | 2000 | 2010 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 |
| Naturally regenerating forest | 199.40 | 199.40 | 199.40 | 199.40 | 199.40 | 199.40 | 199.40 | 199.40 | 199.40 |
| Planted forest | 153.85 | 171.72 | 190.60 | 200.45 | 202.45 | 204.46 | 206.49 | 208.52 | 210.57 |
| ... of which plantation forest | 154.94 | 173.47 | 192.97 | 203.11 | 205.17 | 207.23 | 209.32 | 211.41 | 213.51 |
| ... of which other planted forest | 136.63 | 143.17 | 150.55 | 154.58 | 155.41 | 156.25 | 157.10 | 157.96 | 158.83 |
| Forest | 170.78 | 182.19 | 193.99 | 200.04 | 201.26 | 202.49 | 203.73 | 204.96 | 206.20 |
| Other wooded land | 25.00 | 25.00 | 25.00 | 25.00 | 25.00 | 25.00 | 25.00 | 25.00 | 25.00 |

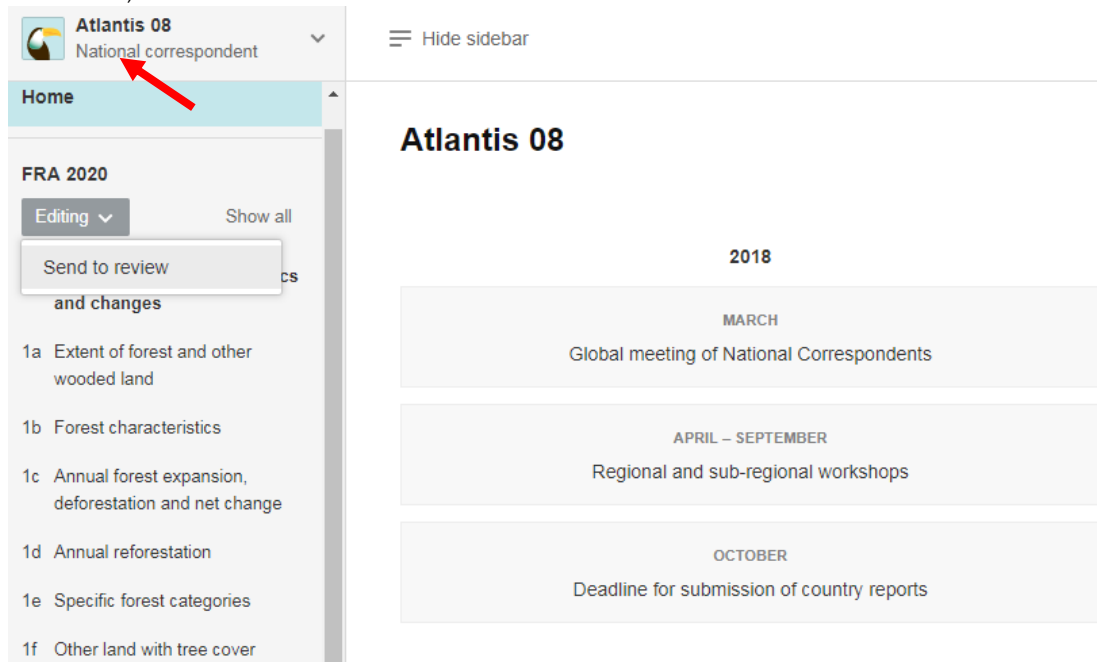
| FRA categories | Total growing stock (million m³ over bark) | | | | | | | | |
|-----------------------------------|--|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
| | 1990 | 2000 | 2010 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 |
| Naturally regenerating forest | 132.40 | 132.40 | 132.40 | 132.40 | 132.40 | 132.40 | 132.40 | 132.40 | 132.40 |
| Planted forest | 172.62 | 187.52 | 202.42 | 209.87 | 211.36 | 212.85 | 214.34 | 215.83 | 217.32 |
| ... of which plantation forest | 163.50 | 178.50 | 193.50 | 201.00 | 202.50 | 204.00 | 205.50 | 207.00 | 208.50 |
| ... of which other planted forest | 9.12 | 9.02 | 8.92 | 8.87 | 8.86 | 8.85 | 8.84 | 8.83 | 8.82 |
| Forest | 305.02 | 319.92 | 334.82 | 342.27 | 343.76 | 345.25 | 346.74 | 348.23 | 349.72 |
| Other wooded land | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 |

Comments [Edit](#)

Estimation and forecasting was performed using linear extrapolation of available data. Volume of other wooded land was estimated considering an average volume of 25m³/ha.

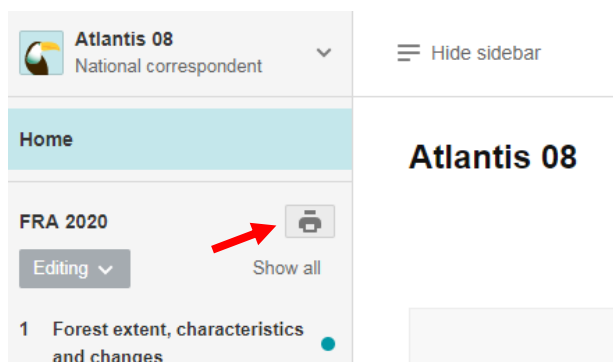
11. Submitting the report

When the report is ready for review, , click on the 'Editing' icon in the left menu and select 'Send to review'. When submitting the report, it is possible to add a comment for the reviewer. Once submitted for review, the report cannot be further edited. If it is necessary to edit the report after submission, contact the reviewer.



If after the review, more work or additional inputs are needed, the reviewer will change back the status into editing, and the National Correspondent will be notified that the report is back for editing. Comments left by Reviewers will be visible in the Platform (orange dot: unread comments, blue dot: read comments/active discussion, grey dot: resolved comments).

It is possible to print the whole report by clicking on the print icon on the left sidebar menu.



For best results, select page layout "Landscape" in the printer properties.

Annex 1 Biomass Calculator Guide

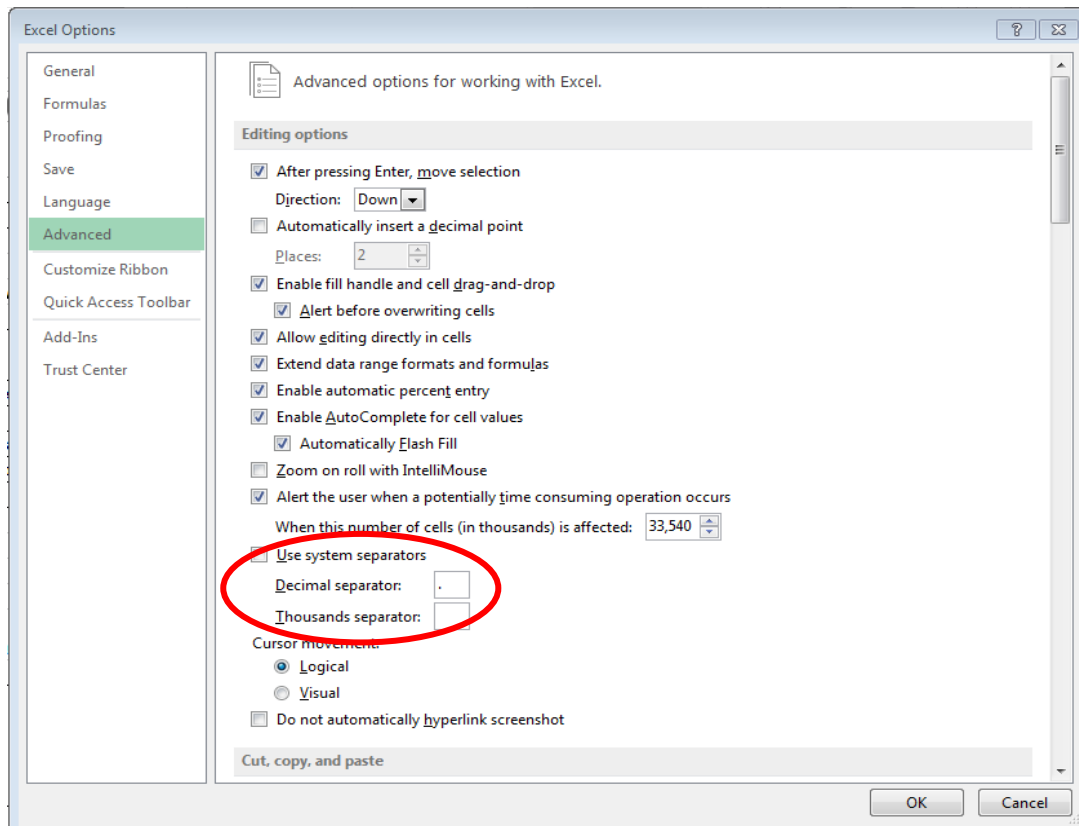
The Biomass Calculator is aimed at facilitating the estimation of above and below-ground biomass and the carbon in these biomass components. It uses the default biomass conversion and expansion factors, as well as root-shoot ratios published in the 2006 IPCC guidelines. It is particularly aimed at those countries that do not have their own biomass equations or conversion factors and that fully rely on using the IPCC default factors for their estimates. The Biomass Calculator is NOT intended for countries that have their own estimates based on national factors or biomass equations, or estimates based on a more detailed analysis of subnational geographical units, they should instead make the biomass and carbon estimates separately and report the results directly in the platform.

Setting up Excel for using the Biomass Calculator

The Biomass Calculator is an Excel workbook. In order to work correctly, Excel has to be configured so that it uses the dot “.” as decimal separator and the “space” as thousands separator.

If the Excel configuration has to be changed, it is done the following way:

- Click File, Options, Advanced
- Deselect “Use system separators”
- Put a “dot” in the Decimal separator box
- Put a “space” in the Thousands separator box



How it works

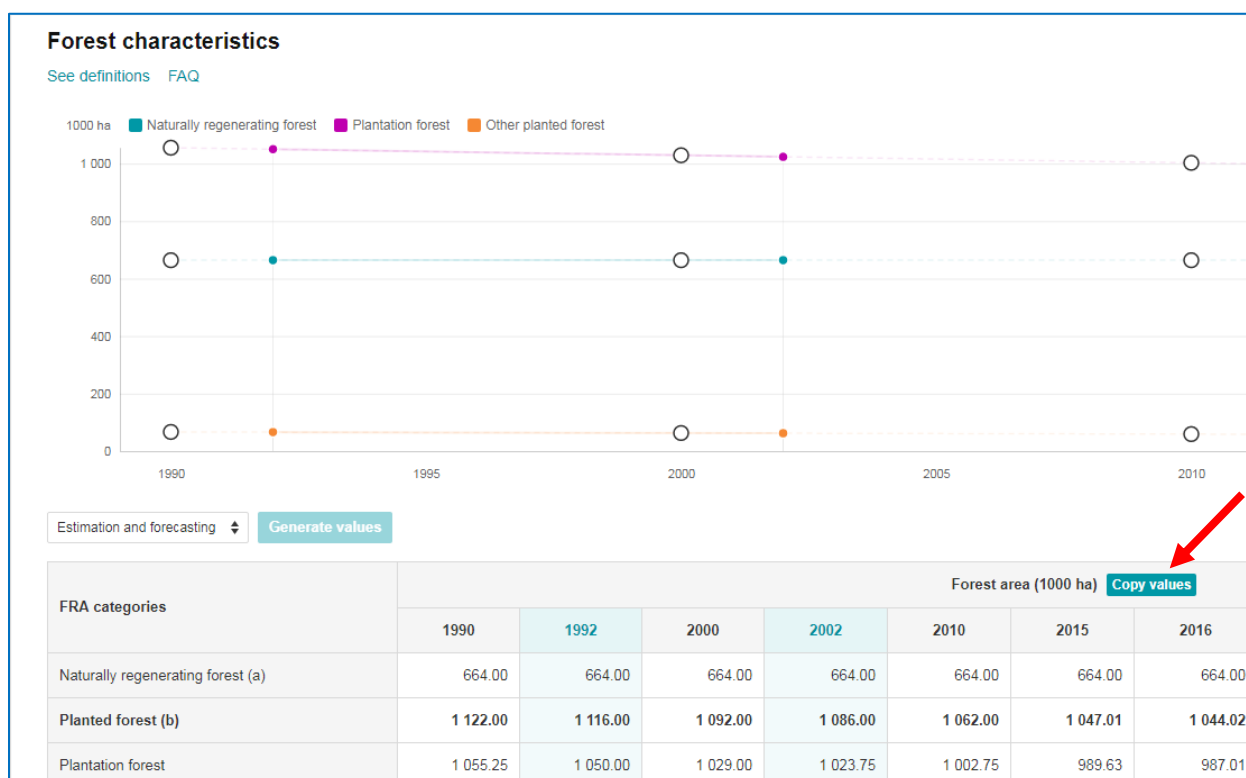
The Biomass Calculator uses data already entered in the FRA platform on forest characteristics (Table 1b) and growing stock (Table 2a). It further requires user input on how to map the IPCC forest types to the FRA categories. It also provides the option to introduce a carbon fraction different from the IPCC default of 47%. Below is a guide how to proceed, step by step.

1. Choose the Biomass Calculator sheet according to climatic domain

There are four different Biomass Calculator sheets for different climatic domains (tropical, subtropical, temperate and boreal). In the platform under Table 2c, select and download the Excel file for the domain that represents the majority of the forests in your country. Open the Biomass Calculator in Excel.

2. Copy data on forest characteristics from Table 1b

In Table 1b in the platform, make sure that it has been fully completed. The line “...of which introduced species” is optional and not used by the Biomass Calculator. Press the button “Copy values”, then go to the Biomass Calculator, position the cursor in cell D16, press paste, and choose the paste option “Match Destination Formatting”. If you paste directly (not using destination formatting), the cells will become read-only and you cannot change or edit them further.



| | B | C | D | E | F | G | H |
|----|---|---|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|
| 23 | | 2. Input data on Growing stock from reporting table 2a | | | | | |
| 24 | | | | | | | |
| 25 | | Forest category | 1990 | 2000 | 2010 | 2015 | 2016 |
| 26 | | | m³/ha | m³/ha | m³/ha | m³/ha | m³/ha |
| 27 | | Naturally regenerating forest | | | | | |
| 28 | | Planted forest | | | | | |
| 29 | | ...of which plantation forest | | | | | |
| 30 | | ...of which other planted forest | | | | | |
| 31 | | Total | | | | | |

4. Assign the percentage distribution of IPCC forest types by FRA categories.

In the area marked with orange color beginning at cell D42, insert for each FRA category (column) how it is distributed by the IPCC forest types. The distribution should be based on growing stock, not area. This information is usually not available, so expert estimates will be necessary. Note that all three columns should be filled in and that the column total must be 100%.

| | FRA forest categories | | |
|--------------------------|--------------------------------------|--------------------------|-----------------------------|
| | Naturally regenerating forest | Plantation forest | Other planted forest |
| | % of Growing stock | | |
| IPCC forest types | | | |
| Broadleaved humid | 70% | 50% | 30% |
| Broadleaved dry | 20% | 10% | 50% |
| Coniferous | 10% | 40% | 20% |
| | 100% | 100% | 100% |

5. In case that the country wishes to use another carbon fraction than the IPCC default (47%), it can be inserted in cell D50.

| Insert Carbon fraction used by country (IPCC default = 0.47) | | | | |
|---|-----|--|--|--|
| | | | | |
| Carbon Fraction | 47% | | | |

6. With the input from steps 1 to 5, the above and below-ground biomass as well as the carbon in these biomass fractions are calculated. First, biomass conversion and expansion factors (BCEF) and Root-shoot ratios are retrieved based on climatic domain, forest type and stock levels, using the IPCC default values. Then weighted BCEF and root-shoot ratios are calculated. Finally, these weighted factors are applied to the growing stock estimates to generate biomass estimates, and further by multiplication with the carbon fraction, to generate carbon estimates.

7. The biomass values can now be copied from the Excel sheet and pasted into the FRA platform, Table 2c. Similarly, the carbon values can be copied and pasted in the FRA platform, Table 2d.

| 9. Copy highlighted biomass values into FRA platform table 2c | | | | | | | | | | |
|---|------|------|------|------|------|------|------|------|------|--|
| Forest biomass (tonnes/ha) | 1990 | 2000 | 2010 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | |
| Above-ground biomass | | | | | | | | | | |
| Below-ground biomass | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| 10. Copy highlighted carbon values into FRA platform table 2d | | | | | | | | | | |
| Carbon in Forest biomass (tonnes/ha) | 1990 | 2000 | 2010 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | |
| Above-ground biomass | | | | | | | | | | |
| Below-ground biomass | | | | | | | | | | |

8. Finally, in order to document the calculations made, the marked area, beginning in cell C37, should be copied and pasted into the section Analysis and processing of national data in table 2c in the FRA platform.

| Insert the percentages of Growing stock by IPCC forest type for each of the FRA forest categories | | | | | | | | | |
|---|-------------------------------|-------------------|----------------------|---------------------|------|------|------|------|------|
| IPCC forest types | FRA forest categories | | | | | | | | |
| | Naturally regenerating forest | Plantation forest | Other planted forest | | | | | | |
| | % of Growing stock | | | | | | | | |
| Broadleaved humid | 70% | 50% | 30% | | | | | | |
| Broadleaved dry | 20% | 10% | 50% | | | | | | |
| Coniferous | 10% | 40% | 20% | | | | | | |
| | 100% | 100% | 100% | Must add up to 100% | | | | | |
| | | | | | | | | | |
| Insert Carbon fraction used by country (IPCC default = 0.47) | | | | | | | | | |
| Carbon Fraction | 47% | | | | | | | | |
| | | | | | | | | | |
| Biomass conversion and expansion factors (BCEF) | | | | | | | | | |
| Naturally regenerating forest | 1990 | 2000 | 2010 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 |
| Broadleaved humid | | | | | | | | | |
| Broadleaved dry | | | | | | | | | |
| Coniferous | | | | | | | | | |
| Plantation forest | | | | | | | | | |
| Broadleaved humid | | | | | | | | | |
| Broadleaved dry | | | | | | | | | |
| Coniferous | | | | | | | | | |
| Other planted forest | | | | | | | | | |
| Broadleaved humid | | | | | | | | | |
| Broadleaved dry | | | | | | | | | |
| Coniferous | | | | | | | | | |
| Weighted BCEF | | | | | | | | | |
| Naturally regenerating forest | | | | | | | | | |
| Plantation forest | | | | | | | | | |
| Other planted forest | | | | | | | | | |
| | | | | | | | | | |
| Root-shoot ratios | | | | | | | | | |
| Naturally regenerating forest | 1990 | 2000 | 2010 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 |
| Broadleaved humid | | | | | | | | | |
| Broadleaved dry | | | | | | | | | |
| Coniferous | | | | | | | | | |
| Plantation forest | | | | | | | | | |
| Broadleaved humid | | | | | | | | | |
| Broadleaved dry | | | | | | | | | |
| Coniferous | | | | | | | | | |
| Other planted forest | | | | | | | | | |
| Broadleaved humid | | | | | | | | | |
| Broadleaved dry | | | | | | | | | |
| Coniferous | | | | | | | | | |
| Weighted RS ratio | | | | | | | | | |
| Naturally regenerating forest | | | | | | | | | |
| Plantation forest | | | | | | | | | |
| Other planted forest | | | | | | | | | |
| | | | | | | | | | |
| Above-ground biomass (t/ha) | | | | | | | | | |
| | 1990 | 2000 | 2010 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 |
| Naturally regenerating forest | | | | | | | | | |
| Plantation forest | | | | | | | | | |
| Other planted forest | | | | | | | | | |
| Total | | | | | | | | | |
| | | | | | | | | | |
| Below-ground biomass (t/ha) | | | | | | | | | |
| | 1990 | 2000 | 2010 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 |
| Naturally regenerating forest | | | | | | | | | |
| Plantation forest | | | | | | | | | |
| Other planted forest | | | | | | | | | |
| Total | | | | | | | | | |