E-forest
CSV File Description
CS3 - Species Data

“Framework contract for the provision of forest data and services in support to the European Forest Data Centre”
Reference: 2007/ S 194-235358 of 09/10/2007

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1 File format

The file will contain information needed to submit data related to the species inside a plot in order to respond to the CS3 JRC Request.

Data types used are:

- **Integer:** Numeric value with no decimal.
- **Boolean:** Boolean value (represented as a 1 for true and a 0 for false).
- **Numeric:** Numeric value with decimals
  The decimal separator must be a dot, there is no precision limit.
  Value that is not measured should be left empty.
- **Code**: Code value, chosen in a list of valid codes given under the type of the data.
- **String:** alphanumeric value for free text
  Value must not contain special characters like the carriage return or the semi-colon.
- **Date:** Date value.
  The date format is YYYY-MM-DD.
- **Coordinate:** Coordinate value in numeric format
  The coordinate must be given in degrees minutes seconds using WGS84.
  The coordinate format is +/-DD.MM.SS.

Example:

```
//
// Species Data
//
// PLOT_CODE; TIME_PERIOD; DBH_CLASS, SPECIES_CODE; NATIONAL_SPECIES_CODE;BASAL_AREA;
COMMENT;
1234;1;1;031.001.041;253;157.6;test basal area
1234;1;1;036.004.011;256;65.4;test basal area
1235;1;2;036.004.011;300;48;test basal area
1235;1;1;036.004.011;245;356.3;test basal area
```

2 Description of fields

2.1 PLOT_CODE

Description: This is the identifier of the plot inside the country.
Type: String.
Condition: Mandatory
Example: A1234
Note: The plot code corresponds to a unique identifier used to identify the plot in all the files to upload.

2.2 TIME_PERIOD

Description: This is the cycle or the year of inventory. It is the number of the ongoing cycle and not the duration of the cycle.
Condition: Mandatory
Type: Integer
Example: 3

2.3 DBH_CLASS

Description: The **D**iameter **B**reast **H**eight represents the tree diameter at breast height 1,30m.
Condition: Mandatory
Type: Code
Example: 1
Note: This variable is related to the "DOMAIN_BASAL_AREA" domain
Code list: (refer to the dbh code above)

Code	Label
1	DBH is inferior to 12 centimeters
2	DBH is superior or equal to 12 centimeters

If different trees of the same species belong to the code 1 (dbh<12cm) and to the code 2 (dbh>=12), the two lines of this species has to be provided.

2.4 SPECIES_CODE

Description: This is the identifier of the species based on the Flora Europea. A standardized list of authorized species codes will be given.
Type: Code
Condition: Mandatory
Example: 77
Code list: (refer to the tree species list in annexe)

Code	Label
1	QUERCUS PEDUNCULATA OU SESSILIFLORA OU LANUGINOSA
2	QUERCUS PEDUNCULATA = ROBUR
3	QUERCUS SESSILIFLORA = PETRAEA
4	QUERCUS RUBRA
…	…

Note: if the species has been observed, only one line per PLOT_CODE, CYCLE and SPECIES_CODE is expected even if this species corresponds to more than one tree.

2.5 NATIONAL_SPECIES_CODE

Description: This is the national identifier of the species.
Type: String
Condition: Optional
Example: 1025

2.6 BASAL_AREA

Description: This is the sum of basal area per hectare forest of the given specie on the plot (in square meters per hectare).
Type: Numeric
Condition: Mandatory
Example: 123.4
Note:

- This basal area corresponds to the aggregation of the basal area per hectare forest of all the trees of the same species.
- This variable is related to the “DOMAIN_BASAL_AREA” domain

2.7 COMMENT

If available, add in the comment field the latin name of the species (genus, species, subspecies, …) and the country specific code for the specie.

Description: This field is an optional comment field.
Type: String
Condition: Optional
Example: Fagus Sylvatica