

Consortium members

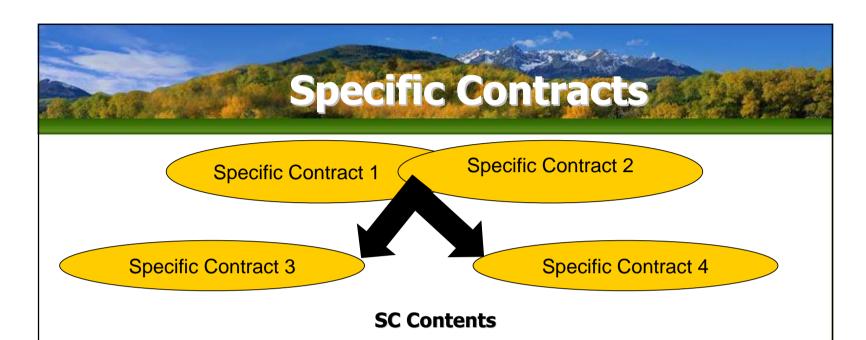


Data provision:

73 % of the total EU-27 territory75 % of the EFTA

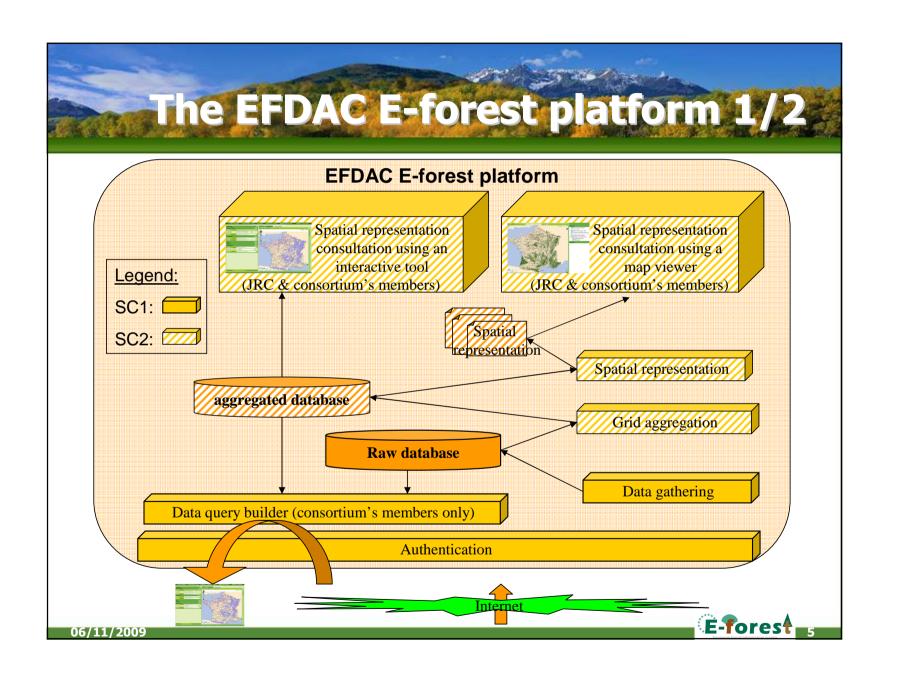
75 % of the EFTA territory





- **SC1**: Basement of the EFDAC E-forest platform
- **SC2**: Enrichment of the EFDAC E-forest platform
- **SC3**: Feasibility and demonstration study of the potential use of National Forest Inventory data to describe the richness of the European forests. First harmonisation descriptive approach.
- **SC4**: Feasibility study on harmonisation to estimate carbon stock changes in forest biomass in 4 European countries by highlighting differences.





The EFDAC E-forest platform 2/2

All the platform will be available in the Free/Open Source Software Licence EUPL:



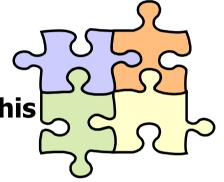
- Freedom to use or run it for any purpose and any number of users;
- Freedom to obtain the Source Code (in order to study how the software works);
- Freedom to share, to redistribute copies of the software;
- Freedom to modify, adapt, improve the software according to specific needs and to share these modifications.



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Terms of the Specific Contracts

Are you interested in participating in this project?

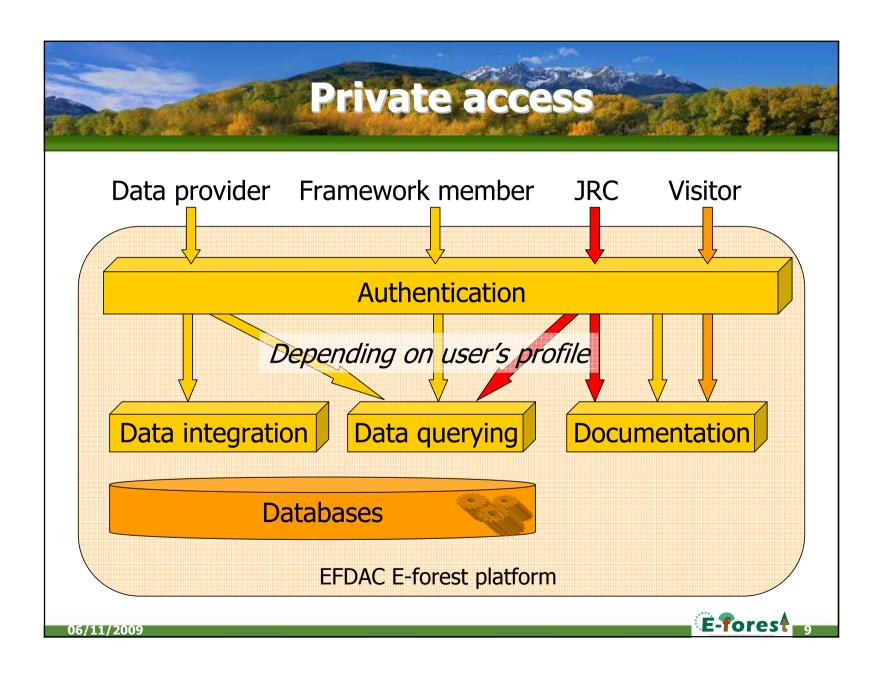


The number of consortium members is not fixed.

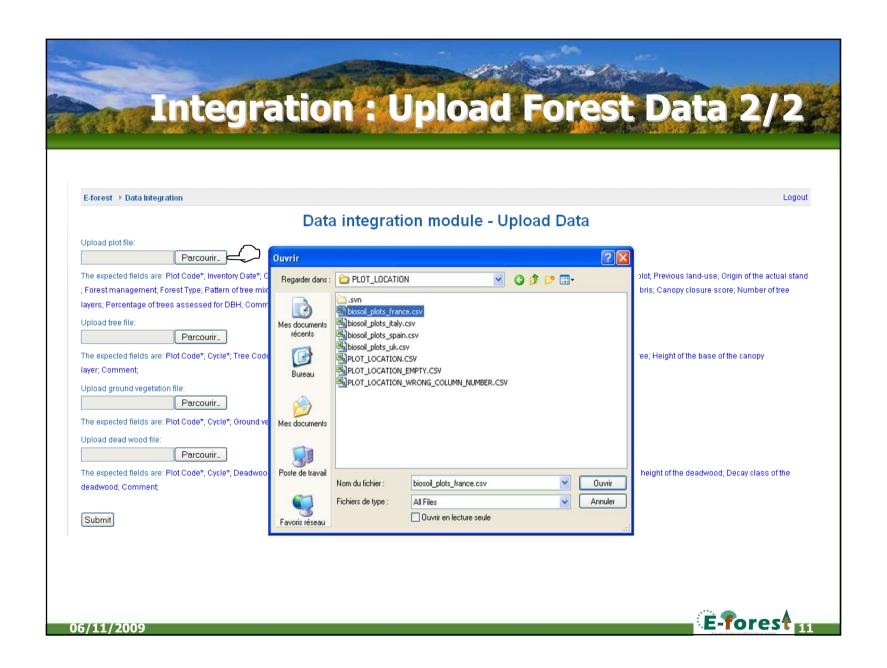
⇒ Any country or organization which collects national forest data can join the consortium at any time

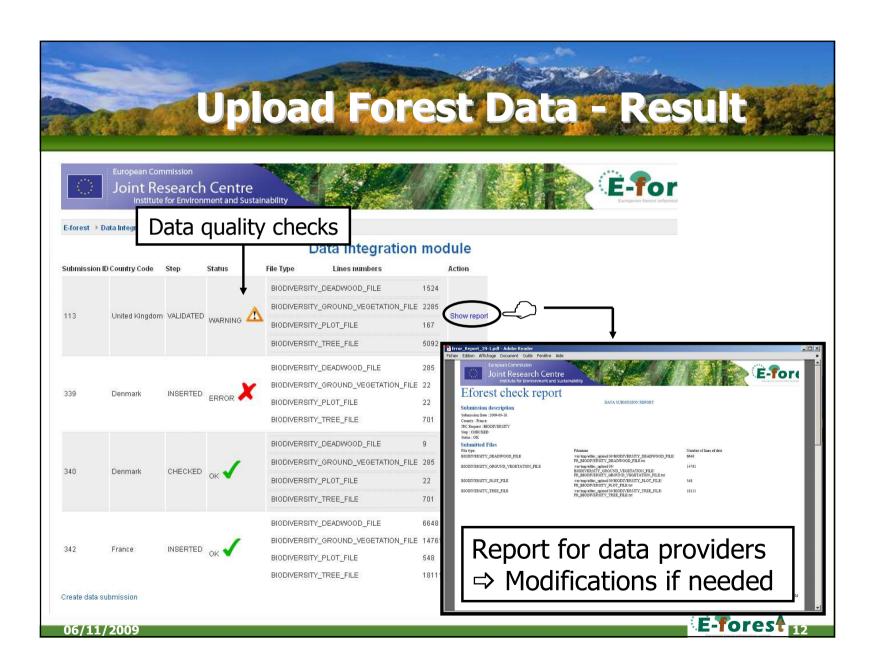
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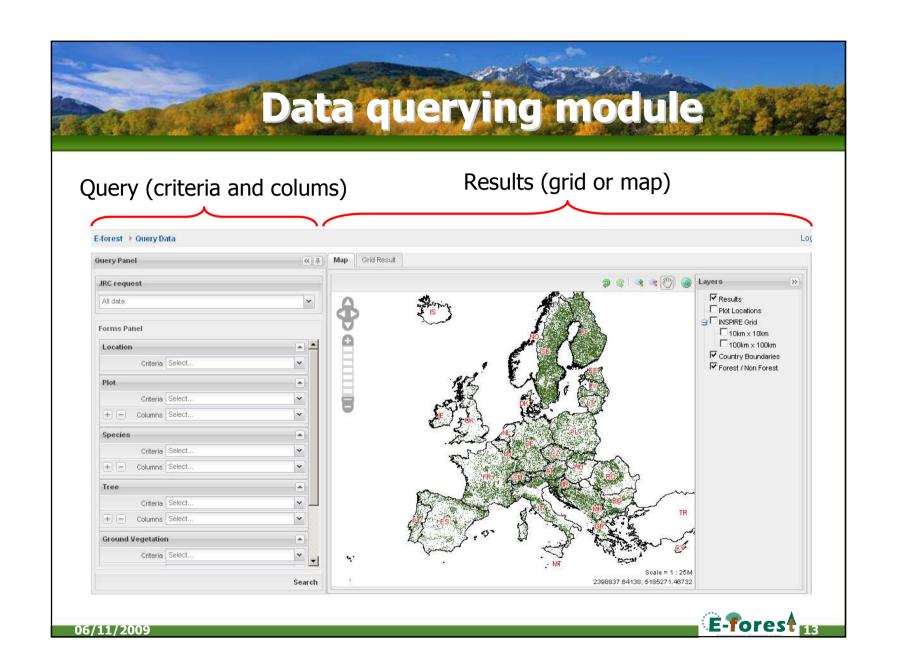


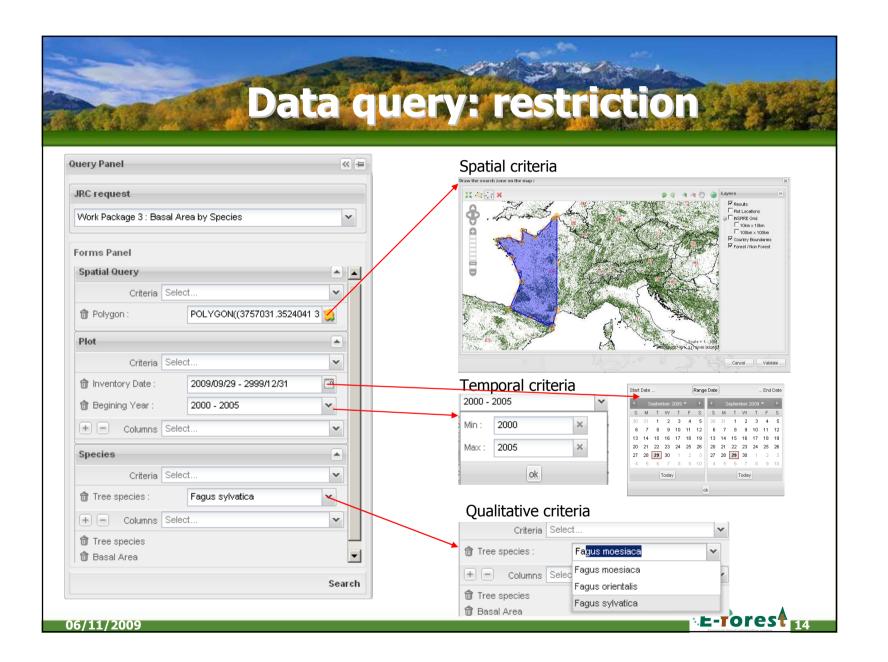


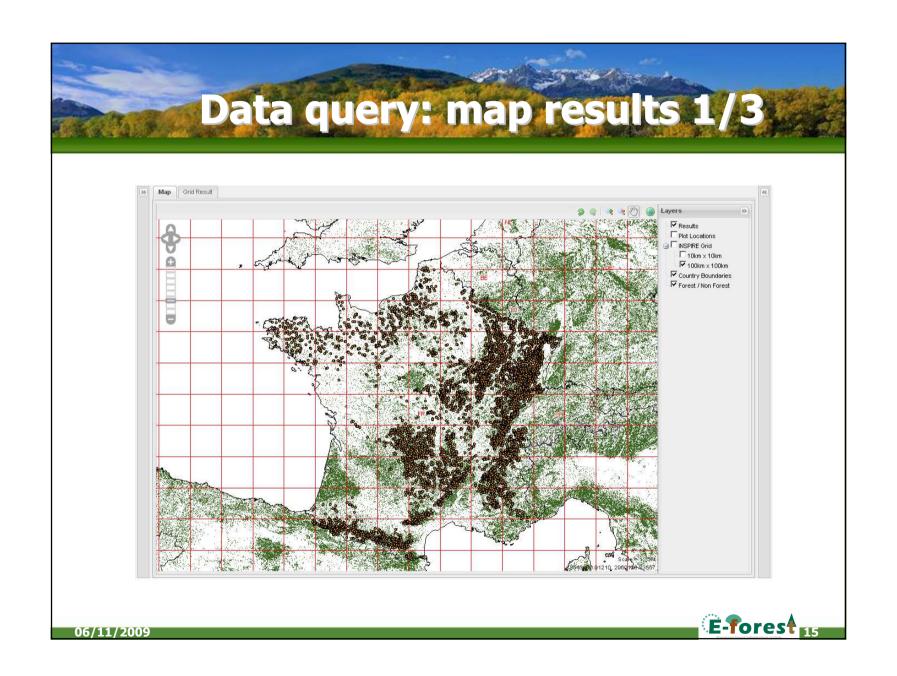
Integration: Upload Forest Data 1/2 E-forest → Data Integration Data integration module - Create Data Submission JRC Request Work Package 3 : Basal Area by Species 🕶 Country France 🕶 Comment Submit E-forest 10 06/11/2009

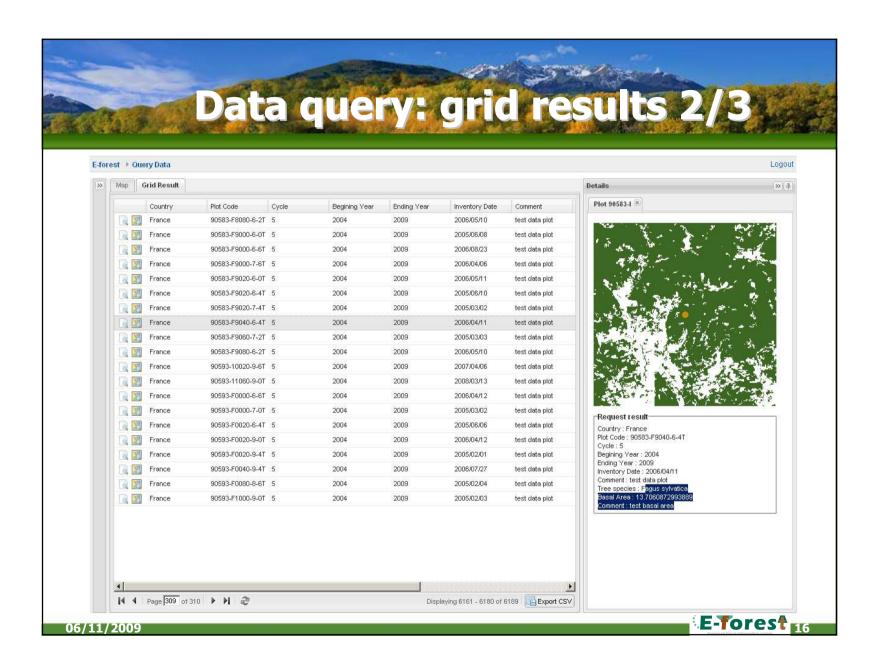


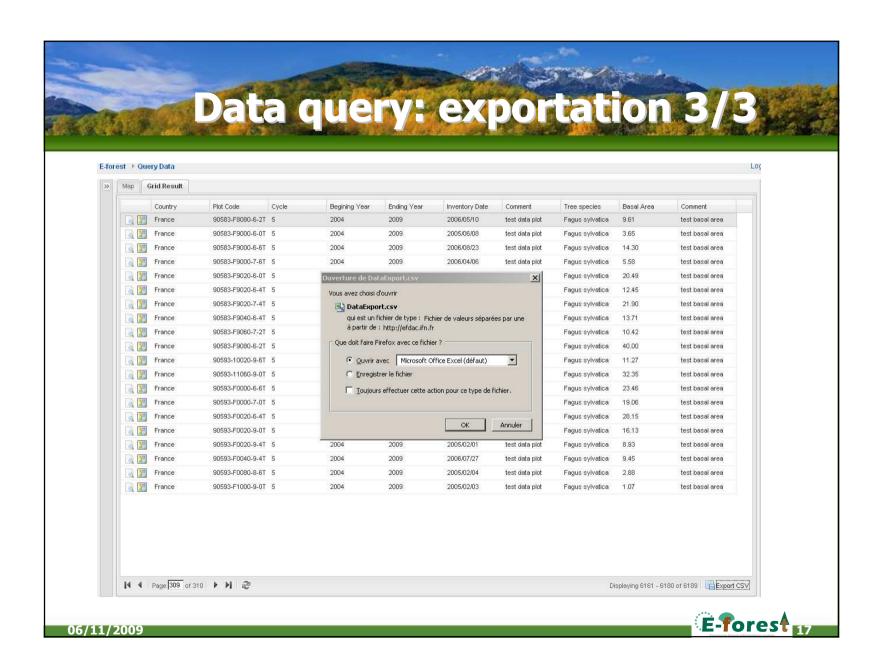




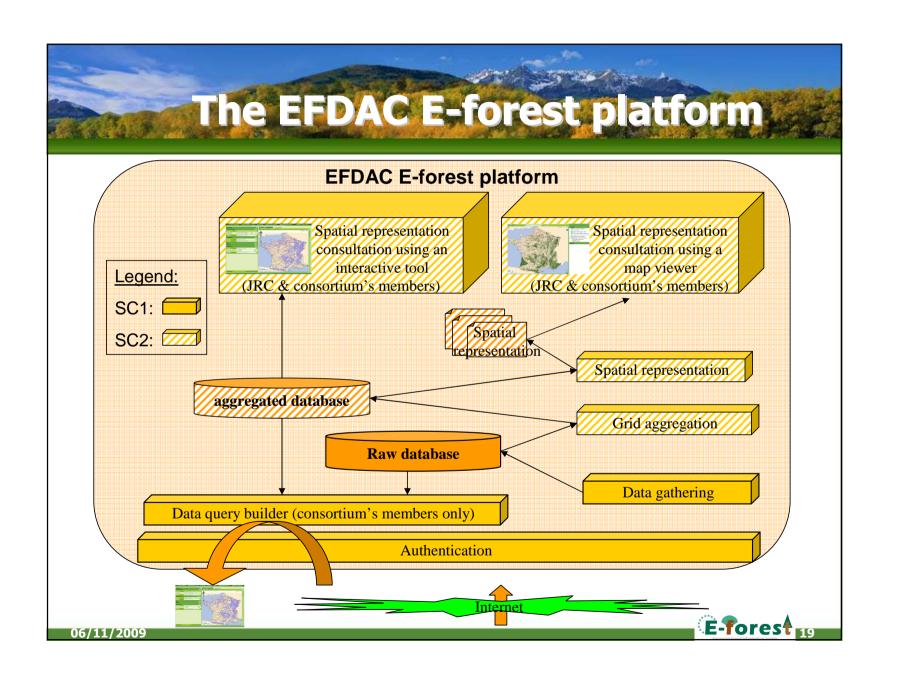


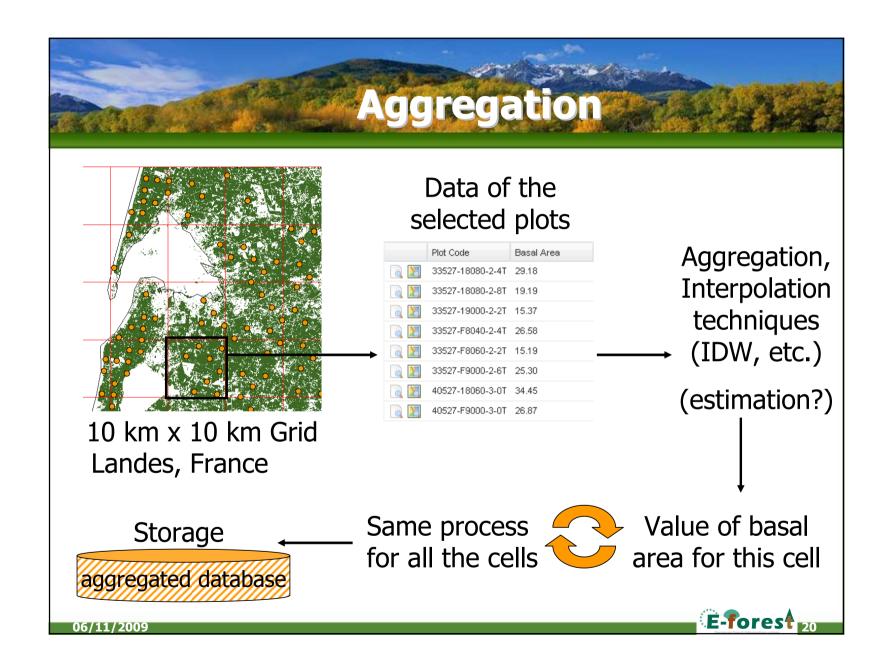


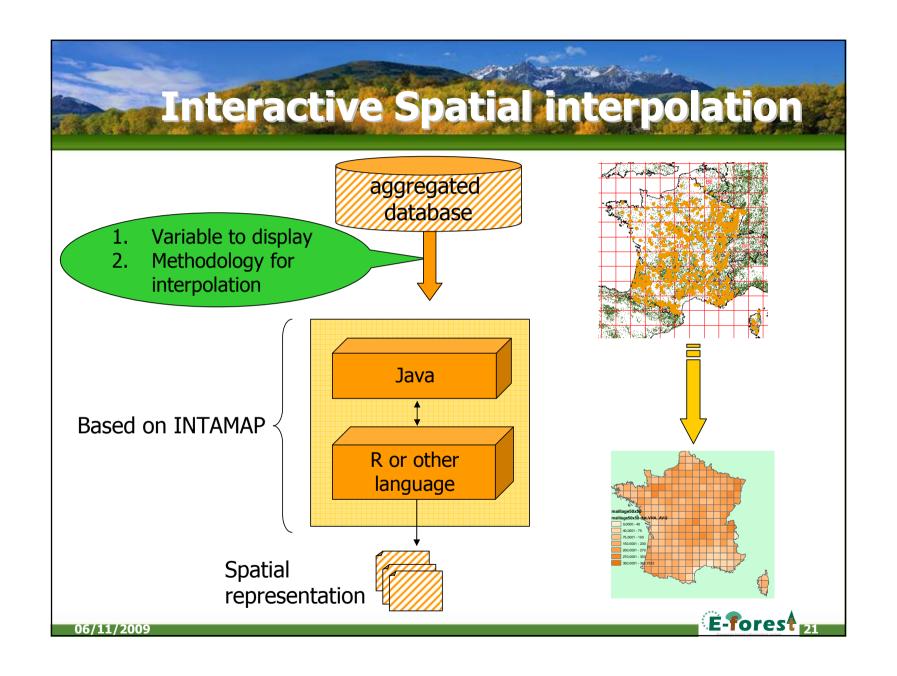


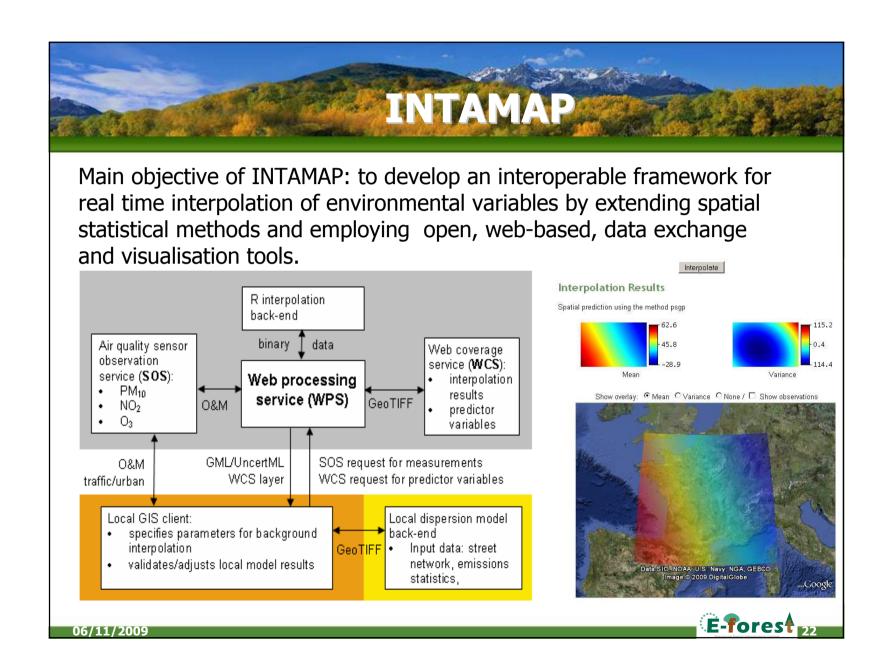








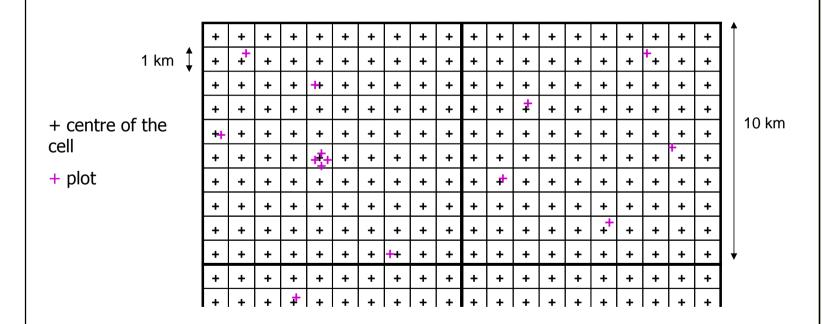






Objectives

The main objective of SC3 is to show the richness of NFI data to the Commission Services. A first step is to map distribution species by $1 \text{ km} \times 1 \text{ km}$ grid (descriptive approach).





Establishment of a common tree species list based on Flora Europea



Code

Flora Europaea

The data provided here have been extracted from the digital version of the Flora Europaea, the full version of which is held in the PANDORA taxonomic data base system at the Royal Botanic Garden Edinburgh.

Click here for instructions on searching this data set.

Family name

Genus name

Species name

Taxon name

Rank name Any rank

Envoyer Effacer

Other broadleaves Other conifers 026.001.001 Abies procera Abies grandis 026.001.002 026.001.003 Abies lasiocarpa 026.001.004 Abies sibirica 026.001.005 Abies nordmanniana 026.001.006 Abies alba 026.001.007 Abies nebrodensis 026.001.008 Abies cephalonica 026.001.009 Abies pinsapo 026.001.999 Abies sp. 026.002.001 Pseudotsuga menziesii 026.003.001 Tsuga heterophylla 026.003.002 Tsuga canadensis 026.003.999 Tsuga sp. 026.004.001 Picea abies 026.004.002 Picea orientalis 026.004.003 Picea glauca Picea engelmannii 026.004.004

Species



Main tasks 2/2

Data Provision

For each tree assessed:

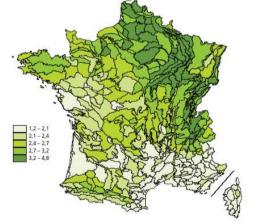
- Tree species
- Basal area per ha forest

	A	В	С	D	E	F
1	// PLOT_CODE	CYCLE	SPECIES_CODE	NATIONAL_SPECIES_CODE	BASAL_AREA	COMMENT
2	21573-F1000-6-6T	5	031.001.041	25M	0.676133548544388	test basal area
3	81557-11000-9-8T	5	036.004.011	3	2.37462768317047	test basal area
4	57592-13000-2-2T	5	026.002.001	64	23.5115588559347	test basal area



Assessment of:

- Number of tree species per plot
- Majority of Conifers or Broadleaves
- Total basal area



Average number of tree species per plot per forest region

06/11/2009

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Feasibility of mapping tree species

Purpose:

- To explore options to produce spatial representations or maps of tree species per reporting unit.
- To show the richness of the NFI databases (number of plots).

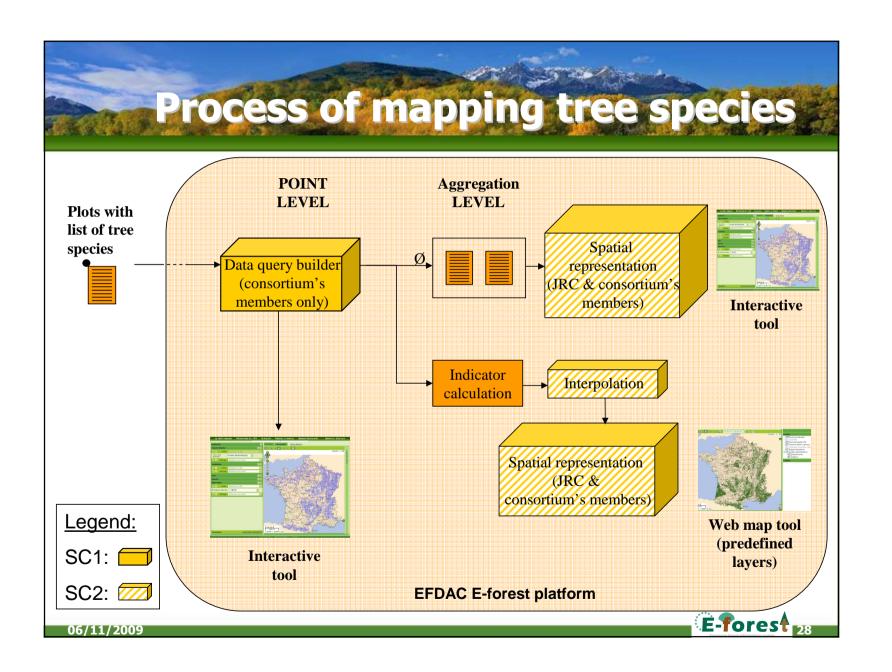
Resolution:

• Based on different grid sizes: 1 km \times 1 km, 5 km \times 5 km and 10 km \times 10 km.

3 types of tools:

- An interactive tool to carry out requests. Results displayed in a table or in a spatial representation.
- An interactive tool to aggregate and/or interpolate the data. Results displayed in a map viewer.
- A web map tool or map viewer. Results displayed as static maps.

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Main steps

1

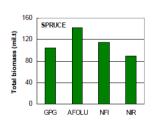
Analysis of the methods to estimate carbon stock changes in biomass in different climatic regions



7

Comparison of results obtained with:

- Existing BF and BEF at EU level (Tier 1)
 - Country specific factors (Tier 2/3)



 $V_{sprucs} = a * (DBH + 1)^b * H^c - e * (DBH + 1)^f * H^g$

3

Recommendations for harmonisation





Next step: study on dead wood?



Biomass maps



