



EUROPEAN FOREST INSTITUTE
ATLANTIC EUROPEAN REGIONAL OFFICE – EFIATLANTIC

Species Selection at the REINFFORCE Project.

The REINFFORCE is a 4 year project co-financed by the European Union program FEDER-INTERREG IV Atlantic Space, where a total of 12 regional, national and international organizations, from Portugal, Spain, France and United Kingdom are working for building a forest resources related infrastructure for making research on adaptation of the Atlantic forest to Climate Change. The coordination of the project is done by the Regional Office EFIAtlantic hosted at IEFCE office in Bordeaux (France). One of the main actions for this infrastructure is to set along the Atlantic Coast a network with a total of 33 arboreta from *Alentejo* in Portugal to South Eastern Scotland. The network will include also arboreta in center and North of Portugal; *Galicia, Cantabria, País Vasco, Navarra* and *Castilla y León*, in Spain; *Aquitaine, Poitou-Charentes, Bretagne, Pays de la Loire, Basse-Normandie* and *Haute-Normandie*, in France; Devon and East Wales in United Kingdom, covering a latitudinal gradient of almost 30 degrees from South to North.

Until now a big part of the working efforts have been focused on the production of a common report in the frame of Regional Adaptation of Forest Resources on Climate Change, that will be validated by the members during this year and the species selection process and arboreta design. It has been agreed by the project consortium to produce a total of 35 species in a common nursery, of those just 30 will be planted in the network. Of each of this 30 species a total of 3 different provenances or genetic units will be established in the whole network, additionally and according to the interest of the responsible organization of each arboretum a total of 5 extra provenances could be planted per some of the species in some of the arboreta. The exact provenances to be used for the network will be decided at the next meeting of the working group Tree Selection and Arboretum Design at the beginning of December 2009. You can find the list of selected species at the following lines. More information can be found at REINFFORCE webpage <http://reinfforce.iefc.net>

Betula pendula

Cedrus atlantica

Calocedrus decurrens

Cedrus libani

Cupressus lusitanica

Cupressus sempervirens

Ceratonia siliqua

Fagus orientalis

Larix decidua

Pinus brutia

Pinus elliottii

Pseudotsuga menziesii

Pinus nigra subsp. laricio and *subsp. salzmanii*

Pinus peuce

Pinus pinaster

Pinus pinea

Pinus ponderosa

Pinus sylvestris

Pinus taeda

Populus tremula

Quercus ilex subsp. rotundifolia

Quercus petraea

Quercus robur

Quercus rubra and *Q. phellos*

Quercus suber

Robinia pseudoacacia

Sequoia sempervirens

Sorbus torminalis

Thuja plicata

Eucalyptus nitens, *E. gundal* and *E. globulus*

Abies cephalonica

Acer pseudoplatanus

Castanea Sativa

Cunninghamia lanceolata



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