

SELECTED SPECIES FOR THE ARBORETA NETWORK

Acer pseudoplatanus L.
Betula pendula Roth
Calocedrus decurrens (Torr.) Florin
Castanea sativa Mill.
Cedrus atlantica (Endl.) Manetti ex Carrière
Cedrus libani A.Rich.
Ceratonia siliqua L.
Cunninghamia lanceolata (Lamb.) Hook.
Cupressus sempervirens L.
Eucalyptus nitens (H.Deane & Maiden) Maiden
Eucalyptus globulus Labill.
Eucalyptus gundal (gunnii x darlympleana)
Fagus orientalis Lipsky
Fagus sylvatica L.
Larix decidua Mill.
Liquidambar styraciflua L.
Pinus brutia Ten.
Pinus caribaea var. *hondurensis* (Sénécl.) W.H.G.
Pinus elliotii Engelm.
Pinus nigra subsp. *laricio* Maire
Pinus nigra subsp. *salzmannii* (Dunal) Franco
Pinus peuce Griseb.
Pinus pinaster Aiton
Pinus pinea L.
Pinus ponderosa Douglas ex C.Lawson
Pinus sylvestris L.
Pinus taeda L.
Pseudotsuga menziesii (Mirb.) Franco
Quercus ilex L.
Quercus ilex subsp. *rotundifolia*
 (Lam.) O. Schwarz ex Tab. Morais
Quercus petraea (Matt.) Liebl.
Quercus robur L.
Quercus rubra L.
Quercus shumardii Buckley
Quercus suber L.
Robinia pseudoacacia L.
Sequoia sempervirens (D.Don) Endl.
Thuja plicata Don ex D.Don



CASH FUNDING PROVIDED BY:



PROJECT COORDINATOR:

IEFC-EFIATLANTIC
 Site de recherche forêt-bois
 69, route d'Arcachon
 33612 Cestas, France

CONTACT:

Christophe Orazio
 +33 (0)557122855
 christophe.orazio(at)efi.int



<http://reinforce.iefc.net>



**REsource INFrastructure for monitoring
 and adapting European atlantic FORests
 under Changing climatE**



English version

A four year project running from 2009 to 2013

THE CAPACITY OF 12 INSTITUTES IS POOLED TO ADDRESS THE TRANSNATIONAL ISSUE OF ATLANTIC FOREST ADAPTATION TO CLIMATE CHANGE.



The reality of global warming is universally accepted with scenarios predicting an increase in average temperature of 4°C in the next century. But the regional consequences of this change are unknown - especially in the oceanic area - and there are still uncertainties linked to anthropogenic factors combined with environmental mechanisms.

Even if it is not possible to accurately model the reality of the impact of climate change on the European Atlantic region some specific potential threats for Atlantic forests have nevertheless been identified by modelers: tree life cycle disturbance, newly emerging pathogens, maladaptation of trees to new climatic conditions.

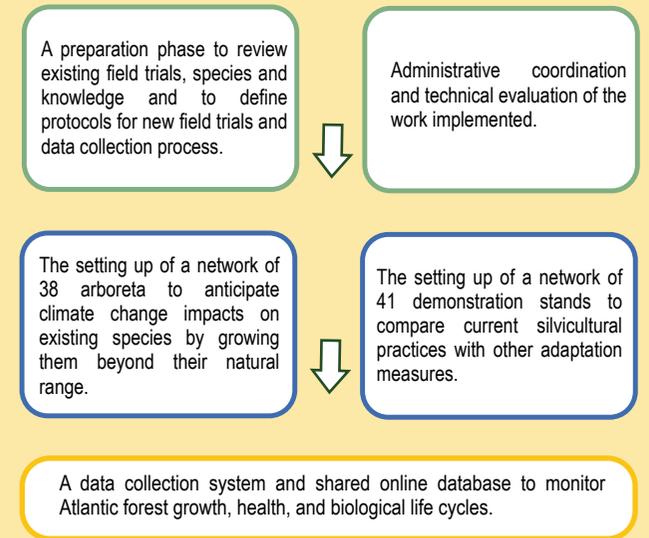
The project is an opportunity to set up an infrastructure unique in the world from latitude 37° to 58°, to monitor these changes and test the efficiency of adaptation measures. It will play a crucial role in helping maintain the sustainability of Atlantic forest resources, as the trees that are being planted now will be harvested in fifty years time and will need to be able to withstand the new climatic conditions.

THE KEY OBJECTIVES ARE

- to set up a network of new arboreta from Portugal to Scotland;
- to set up a network of demonstration sites within forests at high risk of damage under climate change;
- to monitor weather, trends in the health, phenology and growth of tree species of interest for plantations in European Atlantic regions under climate change on a long term perspective, and to share the findings with all REINFFORCE partners.

In this project, tools are being set up for monitoring climate change and its impact on the forests of the Atlantic region, as well as for demonstrating the efficiency of the adaptation measures compared to current silvicultural practices.

The project is structured around 5 main activities comprising several actions:



PARTNERS RESPONSIBLE FOR SITE MANAGEMENT

Site manager contact information can be found on the REINFFORCE website

- ▲ Centro de Investigación Forestal (CIF), Galicia, España
- ▲ Fundación General de la Universidad de Valladolid (FGUVA), España
- △ Forest Research (FR), United Kingdom
- ▲ Gestión Ambiental de Navarra (GAN), España
- ▲ HAZI Konsultoria, España
- ▲ Institut pour le Développement Forestier (IDF), France
- ▲ Instituto Superior de Agronomia (ISA), Portugal
- ▲ Neiker Tecnalia, Euskadi, España
- ▲ Centre Régional de la Propriété Forestière d'Aquitaine (CRPF), France
- Institut National de la Recherche Agronomique (INRA), France
- Furnas Monitoring and Research Centre, Azorina S.A., Portugal*
- Direção Regional dos Recursos Florestais (DRRF), Portugal*

*Not financed by INTERREG

Lead Partner: L'Institut Européen de la Forêt Cultivée (IEFC), France

