

EVALUACIÓN ECONÓMICA DEL COSTE-EFICIENCIA DE LAS
ACTUACIONES FORESTALES DE LAS FINCAS PILOTO DEL
PROYECTO LIFE+BOSCOS (LIFE07/ENV/000824)
INFORMATIVE SUMMARY

PETICIONARIO:



CONSELL INSULAR
DE MENORCA



**MENORCA
TALAIÒTICA**
Candidata Patrimoni Mundial



AGÈNCIA RESERVA DE BIOSFERA
MENORCA



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ANEXO III: INFORMATIVE SUMMARY

Climate change will mean an alteration of existing environmental conditions that produce effects on many factors, among them those related to biodiversity and forest landscape.

Menorca forests now offer a range of products and services that have a potential compensation to landowners, including biomass (splinter wood and coal on the one hand, and wood for the manufacture of products on the other hand), the use of livestock grazing, mushrooms, honey, hunting, aromatic and medicinal plants, and fibers for traditional uses (baskets, ropes, etc).

There are other services offered by forests which are enjoyed by the society, and are not subjected to purchase or sell in any market, and therefore are not paid to the landowner. These are called environmental services. Among the most important services we find water uptake, erosion control, carbon dioxide fixation, scenic and recreational value, biodiversity value, etc. Therefore, the identification of all environmental services offered and their economic quantification is a complex task.

According to the work of the Ministry of Agriculture, Food and Environment, the annual value generated by forest ecosystems in Menorca is 4,927,317.31 €/year, including both products and environmental services. This work has been reviewed using studies performed by the LIFE + BOSCOS project on pasture and biomass, as well as consulting companies and owners and other bibliographic sources, to better suit the uniqueness of Menorca. Once the review has been done, the resulting value has changed to 23,480,216.64 € / year. A panel of local experts has calculated the Total Economic Value, obtaining a result of 542 million euros for forest ecosystems.

Under the framework of LIFE + Project BOSCOS a set of demonstration actions for Sustainable Forest Management objectives have been carried out like reducing the fire risk, increasing biodiversity and hydrological restoration. These actions have been devoted to assess their own costs and to know the working methods of forest companies in Menorca.

The LIFE + Project BOSCOS results have not been able to recover the economic costs of execution through the sale of the produced wood, which was expected given that none of the actions had a productive objective, but they have been beneficial in terms of reducing the risk of fires and pests,

and to foster natural regeneration and promote the provision of environmental services (erosion control, groundwater recharge, etc).

According to the estimation of climate change and the current knowledge on effects of climate change on existing forest species in Menorca, to optimize environmental services, and ensure minimum damage around 3.7 million euros a year are requested. This amount would be recovered partially through market products generated mainly by biomass, and the remaining would be recovered as environmental benefits (recharge, erosion control, landscaping value of tourist attraction, etc).