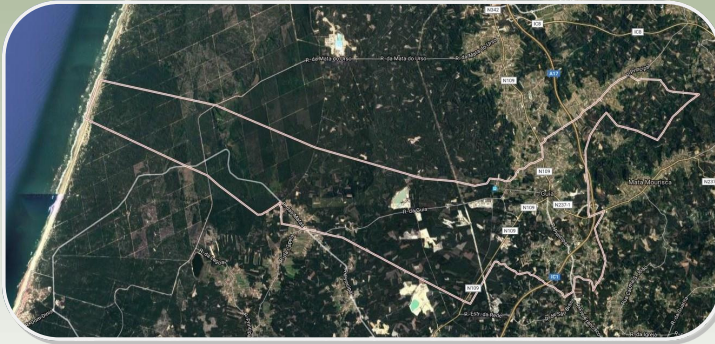


# Prevention of Erosion by Forests on the Guia, Ilha, Mata Mourisca and Carriço Region



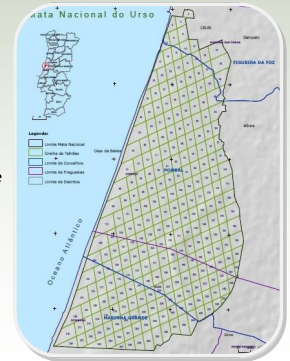
## A little bit of History

It dates back to about 8 centuries ago the concern to prevent erosion of the region.

Already on XIII Century, D. Afonso III began the plantation of the pine trees on the atual place called Mata do Urso (Bear Wood), that plantation was intensified by D. Dinis (the Labrador).

After this, by donation of D. João III, it came to belong to the University of Coimbra, hence the new name of University Wood (Mata da Universidade).

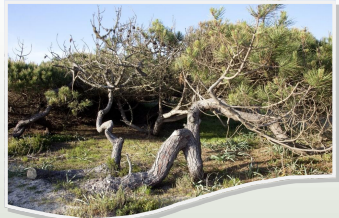
But it was on the year of 1837 that this forest spot of 6107,46 ha returned to the kingdom.



## Preservation of Erosion

Over the centuries, several efforts have been made to maintain this healthy protection through successive plantings and dune stacking.

### Erosion by the Sea



Given to the flatness of this region, what is intended with this protection is to avoid a certain retreat from the land in relation of the sea ⇒ Deposition of Sand.

### Wind Erosion

Another mission of this forest was to avoid the erosive effects of the wind along the coast ⇒ The forest creates a kind of barrier against the wind, diverting it to higher atmospheric layers.



### Erosion caused by the salinity of the sea water

However, this whole ecosystem that is fundamental to our region is fragile, so it is fundamental that we keep it sustainable

⇒ It renewal in about 50 in 50 years.

#### Sources:

Município de Pombal (<http://www.cm-pombal.pt/mata-nacional-do-urso>)  
Ministério da Agricultura, do Desenvolvimento Rural e das Pescas—Autoridade Florestal Nacional (<http://www.icnf.pt/portal/florestas/ef/pgf/publicacoes/encerradas/dcnf-centro/pmf-mnurso-mmpedroga>)  
Campo Aberto (<http://www.campoaberto.pt/?p=1309720>)  
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