

# MADAMES-AX: Mitigation and ADaptation Analysis for Mediterranean Ecosystem Services



Target 15.2: By 2020, promote the implementation of sustainable management of all types of forests, halt deforestation, restore degraded forests and substantially increase afforestation and reforestation globally.  
Indicator 15.2.1: Sustainable forest management

- User/pilot area: forest managers of Agro-Forestry Consortium of Comunelli di Ferriere (<http://www.consorziodiferriere.com/>)
- Challenge/Needs: Starting from the need of the wood industry (Leroy Merlin Italy involved) to quantify the ecosystem services. Focus on assessment and monitoring of the carbon sequestration and biomass production of a forest area located in the Comunelli di Ferriere Consortium; validation of a scaling business model to support sustainable management of the forest ecosystems.
- Initiative: EIT Climate-KIC Project “MADAMES-AX (Mitigation and ADaptation Analysis for Mediterranean Ecosystem Services)” Carried out in 2020 by MEEEO and the Euro-Mediterranean Center on Climate Change (CMCC) , with the strong collaboration of PEFC Italy and of Agro-Forestry Consortium of Comunelli di Ferriere.
- Results: demonstrator to support sustainable management of the forest ecosystems, by providing two main indicators: Carbon Use Efficiency (CUE) and Water Use Efficiency (WUE) which are proxies of less or more functioning forests to adapt to changing environmental conditions
- Service Provider: MEEEO/CMCC



Demonstrator forest area in the Ferriere Municipality (Piacenza Province in Emilia Romagna Region, Italy)



Logos of the project consortium partners



- <https://www.madames-ax.info/>
- <https://storymaps.arcgis.com/stories/4a402e80f97740489b6e53b6dd22466e>