

Forests and Water:

Good practice on Payment for Ecosystem
Services

14/12/2023





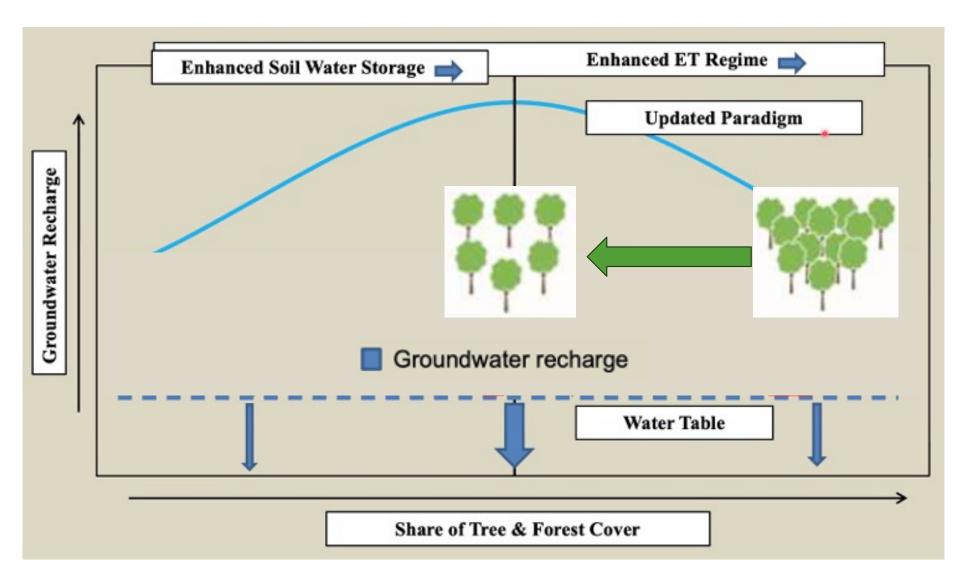
# CO-DESIGN OF A LOCAL P.E.S. SCHEME FOR "FORESTS & WATER" IN CATALONIA (NE Spain)



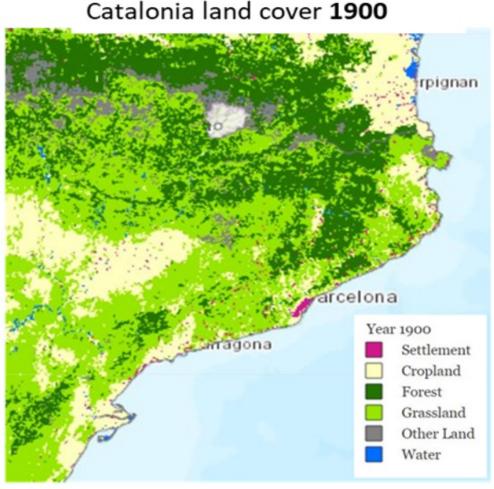




**Scale**: local-watershed **Priority service**: groundwater recharge



#### Main challenges related to forests and water in Catalonia

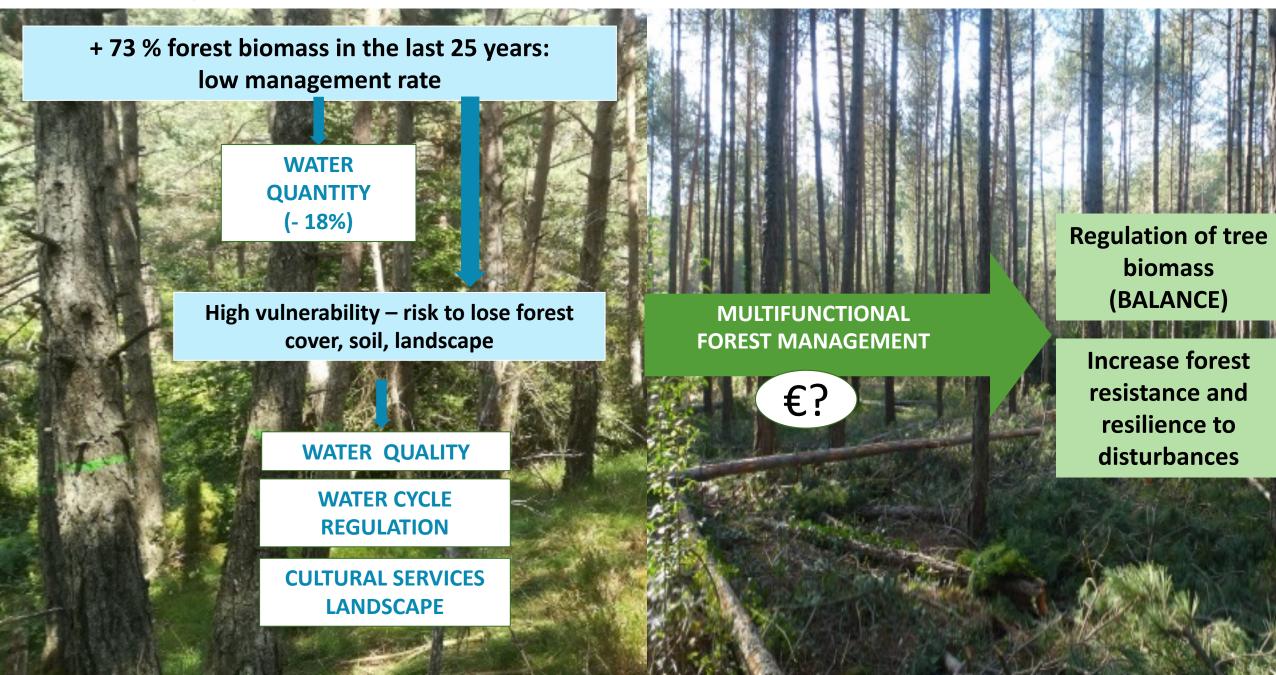






Increase in forest (tree covered) area from 10% to 45 %, mainly by natural regeneration on abandoned farmland

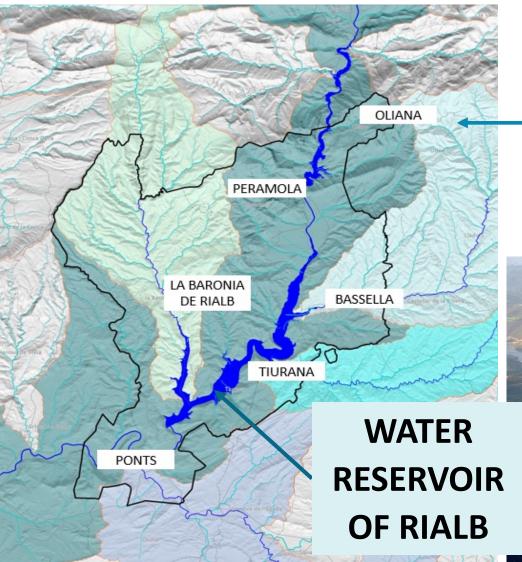
#### Main challenges related to forests and water in Catalonia



## 1. Embedding the forestry project in a broad territorial vision (resilient landscapes)







Forests in the watershed of the reservoir within the limits of the 6 municipalities affected by the construction of the dam:

350 Km<sup>2</sup> (35.000 ha)



#### 2. Build consensus on the link forestry & water



Acknowledge the link in regulation & strategic planning (increasing governance)

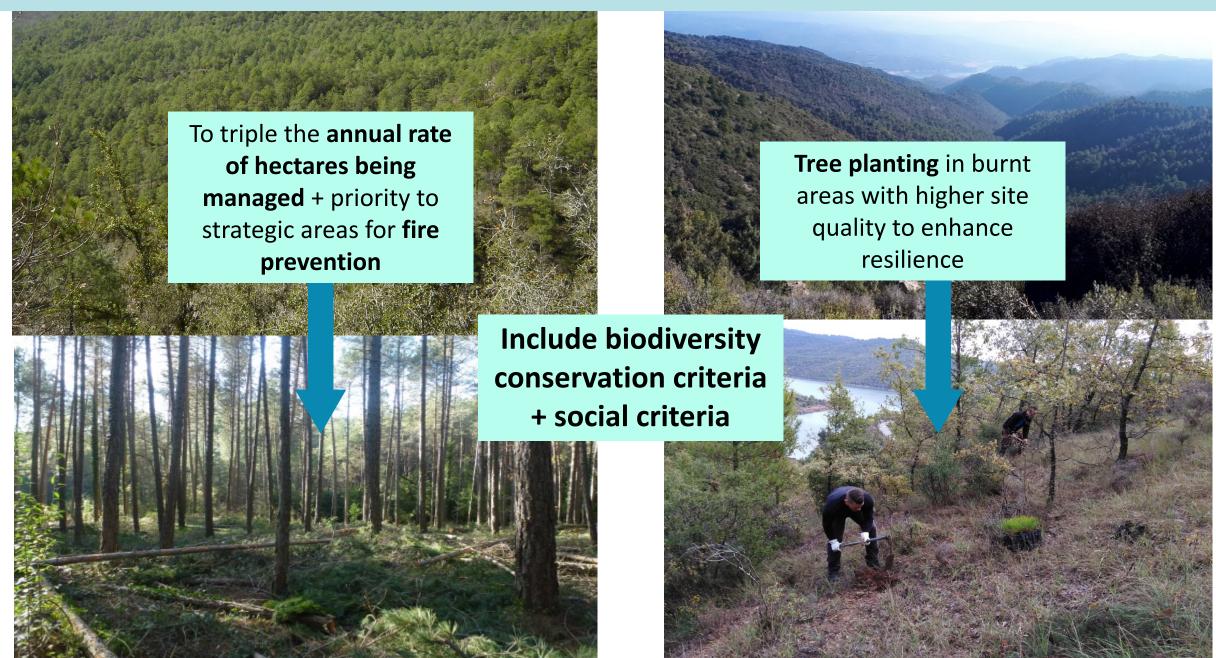
The Urbanistic Masterplan of the Reservoir (local)

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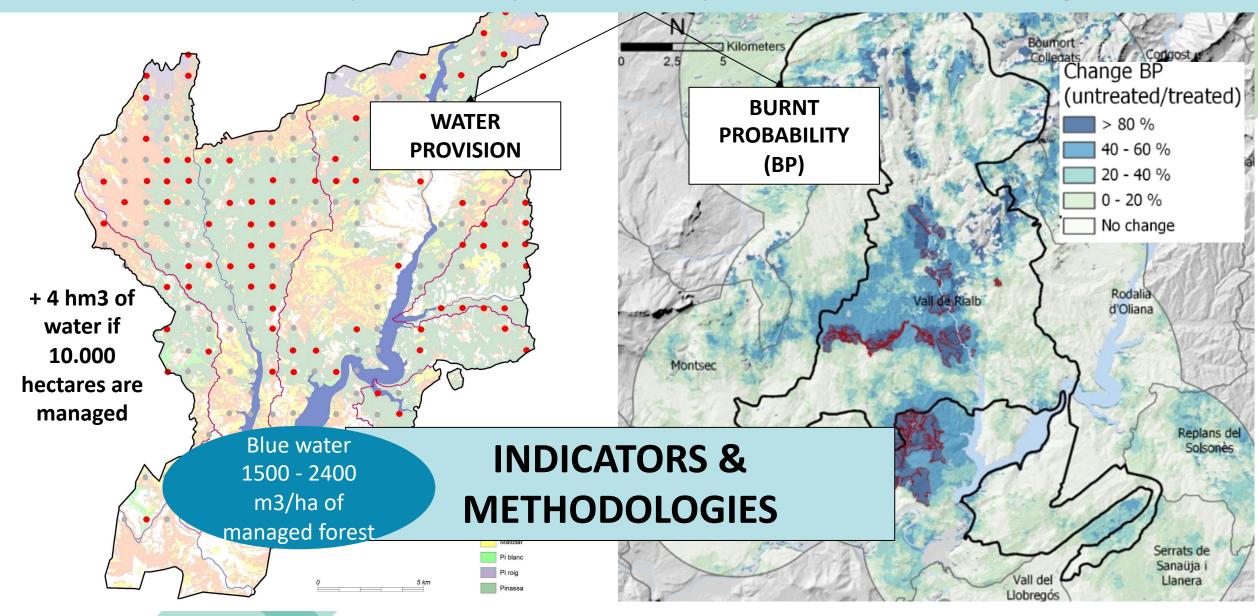
The WFD Riverbasin Management Plan of Catalonia (regional)

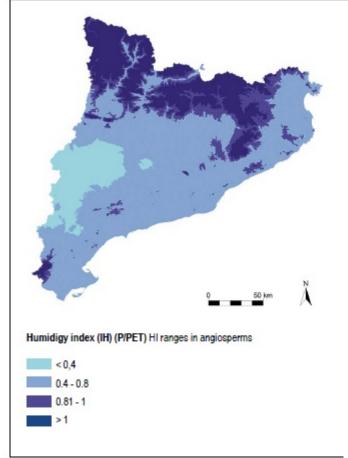


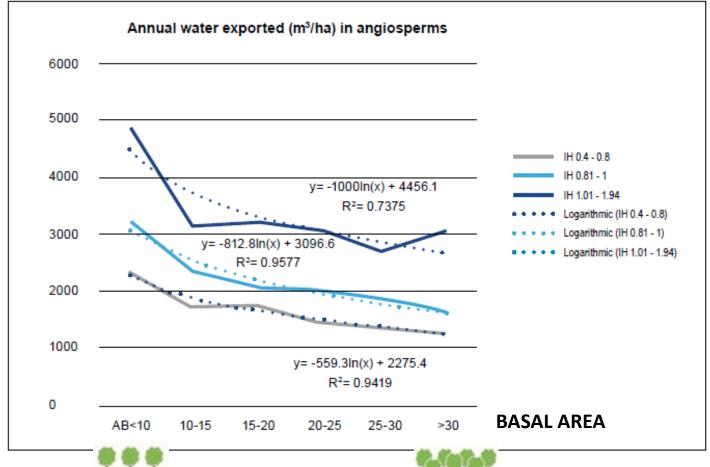
# 3. Outline the expected changes in the forests



### 4. Find evidence of the potential impact of forestry on the E.S. and monitoring tools





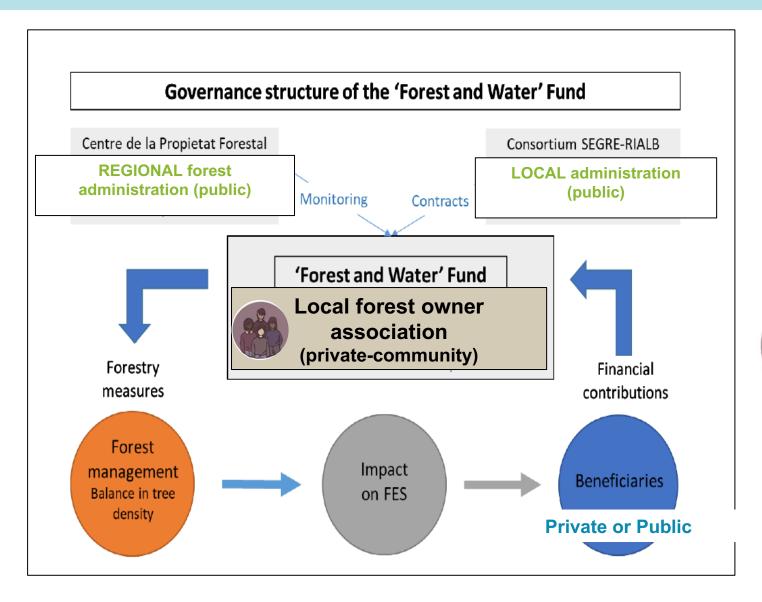


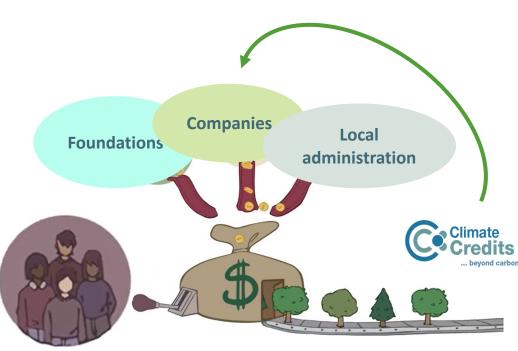






## 5. Design of the P.E.S. scheme











#### **THANK YOU!**

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#### Forests for water in Catalonia

The Catalan case promotes positive links between forestry and water in the Mediterranean...

...forest management means more available water and better water quality.

Centre de la Propietat Forestal in collaboration with Forest Science and Technology Centre of Catalonia