



## TIP 4. FORESTRY CLIMATE CREDIT TO FACILITATE INVESTMENTS IN NATURE-BASED SOLUTIONS

## ECOSYSTEM SERVICES MONETIZATION

**TIP:** Promoting forest carbon credits as an economic vector to accelerate the social, economic, and environmental valorization of all forest ecosystem services.

**Approximate investment:** 2,6M €

**Expected economic impact:** 4M €

### References:

- €24.3 billion in revenue has been generated since 2005 through the EU ETS emission allowance auctions (as of 2022).
- €10.7 billion was generated in 2023 by Germany's Carbon Pricing System.
- €1.486 billion was invested by Spanish companies in CSR in 2020, reflecting an 8% increase in average investment per company compared to 2019.

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### Main objective

The main objective is to implement two Forestry Projects for Mitigation and Adaptation to Climate Change (PROMACC) in the Pyrenees of Lleida (Valde Lord and Conca Segre-Rialb), with the Climate Credit System, created in 2023 by the Generalitatde Catalunya.

### Expected results

To increase the ratio of multifunctional forest management, for the provision of different ecosystem services: carbon sequestration, including the prevention of forest fires, blue water provision and biodiversity restoration. The TIP must, must act as a revulsive to expand this model of valorization of ecosystem services to expand to the rest of the territory's forests and also aims to be a best practice for the process of selection of certification systems that the Spanish state must develop according to European regulations.

### Justification

The region of Lleida have nearly 300,000ha of public forest. At present these forests are not properly managed, with the risk of fires that this implies, but they are also not taking advantage of the ecosystem services they generate, given that, for example, the level of wood mobilization in relation to planning is less than 50% in most cases.

Climate credits are seen as an opportunity to implement a vector of monetization of some of these ecosystem services, which at the same time, allows the application of a multifunctional management system that favors other value chains, such as wood for constructive uses.

The Climate Credits are an exchange unit designed to facilitate investments in nature-based solutions in Catalonia within the framework of voluntary compensation or corporate social responsibility initiatives. The forestry projects integrate different estates and forests owners, public or private, in a joint management based on a multilevel co-governance, to achieve a resilient landscape to climate change and promote the bioeconomy, and specifically biobased business models.

### Contribution towards

#### 2035 Goals - AC LLEIDA TERRA D'OPORTUNITATS

Viable business models at an economic, social and environmental level that value forestry and agricultural ecosystem services, which allow increasing incomes in the primary sector:

Specific contribution:  
187 ha of resilient forest - 187 climate credits generated  
biodiversity is improved by 16%.  
5.684 tons of carbon sequestration .  
368.843 m3 of water provision.  
3.740 tons of biomass for decarbonization processes.

#### SDG

Directly

Indirectly



#### Shared vision 2050 - AC LLEIDA TERRA D'OPORTUNITATS

**Economic Development:** This is a new vector of competitive specialization derived from the bioeconomy model, that is linked to a sustainable model of exploitation of natural capital, in this case, forests, much of which is owned by local administrations in Lleida.

**Sustainability:** the multifunctional management model associated with the generation of credits contributes directly to the environmental, economic and social sustainability of mountain territories.

**Education and Workforce Development:** by creating jobs in the forest value chain  
**Transformative Innovation Ecosystem:** the multifunctional management model associated with the generation of credits can generate multiple new value chains that, within the framework of the innovation ecosystem, can develop in the form of new business models and technological and non-technological innovation.

**Improved Quality of Life:** directly, contribution to economic growth, job creation, and sustainability will have a positive impact on society by improving living standards and reducing inequality.

#### NICHES

