



What is

Climate Credit?

**Forest
management
Climate change**

**Another step towards
multifunctional forest
management**

Benefits for

**Forest
owners**



Life CLIMARK



**Climate
Credit**

More than just carbon

Multifunctional and climate-smart forest management

Did you know that Catalan forests absorb around 10% of the CO₂ emissions of Catalonia and that sustainable forest management could increase this capacity by up to 20%

The extensive forest expansion that began in the second half of the last century has been instrumental in sequestering atmospheric carbon dioxide in Catalonia, storing it in forest soil and trees in the form of carbon. Today, however, the role of forests in mitigating climate change is at risk: the rate of CO₂ sequestration has dropped by 17% over the last 25 years and an increase in disturbances poses a threat to the stocks that have accumulated over the decades. If properly planned, forest management can contribute to:

- **Conserving current carbon stocks** through measures to prevent large-scale forest fires by supporting the production of long-lived wood products and by protecting forest soils from damage.
- **Maintaining the carbon sequestration capacity of forests** and increasing their vitality by regulating competition for resources and, at local level, by tree planting.

Beyond forests, the production of local renewable raw materials, such as wood and cork, facilitates **the replacement of fossil fuels and materials**, thus contributing to the decarbonisation goals of the economy contemplated in climate change and bioeconomy promotion policies all over the world.

“We reassert the importance of forest management in creating landscapes that are more resilient to climate change”

Aside from helping to sustain the role of forests in climate change mitigation, **multifunctional forest management** is essential if our landscapes are to adapt to the new climate. In many cases, management is required in order to prevent catastrophic forest fires and to increase the resistance of forest masses to longer periods of drought and more frequent disturbances, or to allow them to regenerate sooner. Through management consisting of different objectives, the benefits provided by forests can be strengthened, making them more valuable for each region. Such benefits—so-called **forest ecosystem services**—include aspects as important as forest biodiversity and the supply of good quality water, which are also affected by climate change.

It is therefore a matter of applying **climate-smart** management that generates renewable resources, capitalises on mitigation and adaptation synergies and takes into account the local context, beyond woodlands, in order to identify the management options that are best suited to each case, while surveying its **economic viability**.

“We believe in land management based on local participation and co-governance”

In order to increase the efficiency of applied management, at Life CLIMARK we propose the **creation of Forestry Projects for Climate Change Mitigation and Adaptation (PROMACC)**, which will set forth the forestry measures that are to be applied in a certain region and which may be financed by the new climate credit market.

PROMACC projects are:

- Dependant on voluntary support and help to highlight the forest ecosystem services available in a given place.
- Built upon collaborative landscape-scale planning, which establishes priority measures in line with mitigation and adaptation criteria, in accordance with the objectives of a particular region.
- Based on collaborative forest management

**Multifunctional
forest
management
applied to your
property**

PROMACC projects
Land management based
on local participation and
co-governance



**Climate
Credit**

How will the **climate credit market** work?

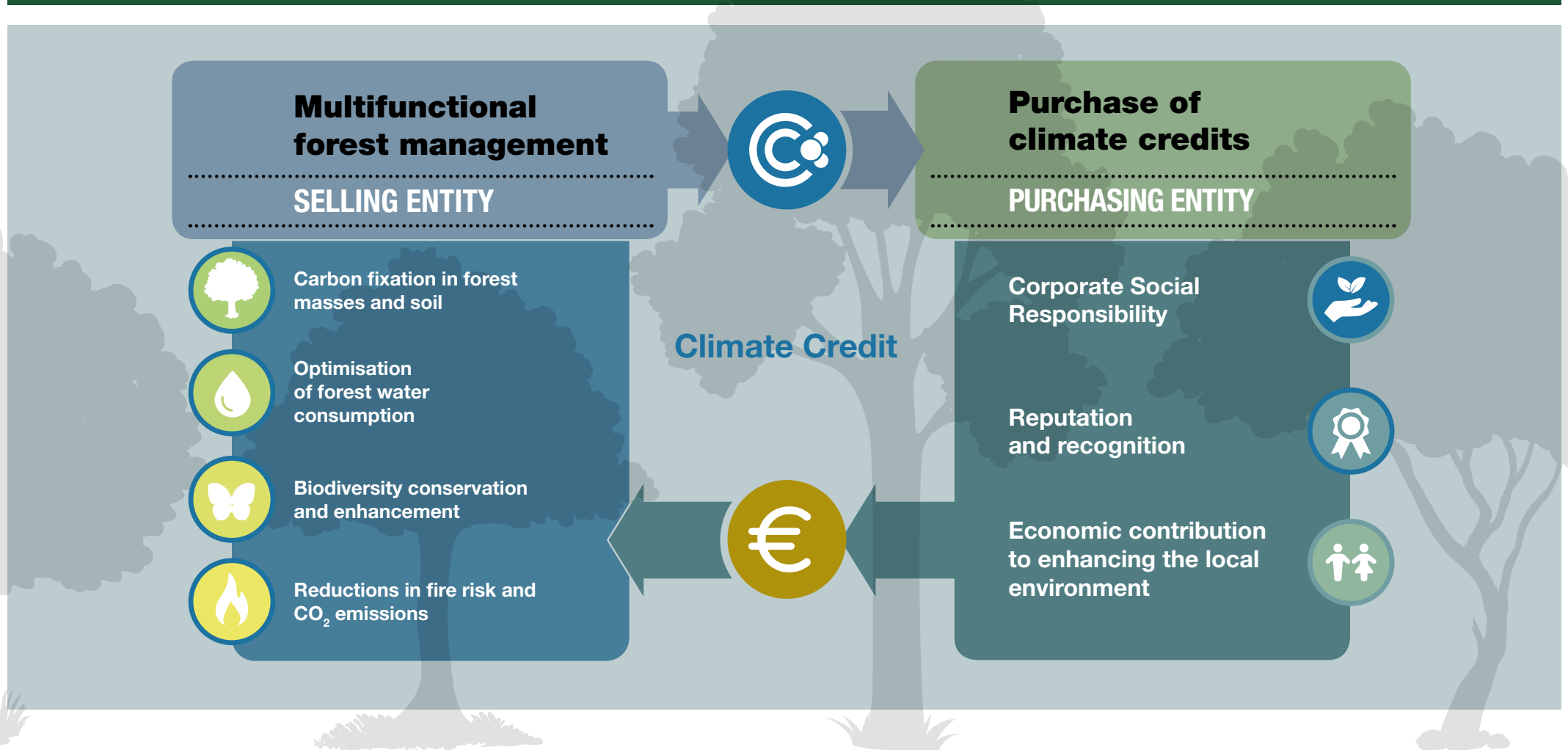
Funding is key to moving any project forward.

Life CLIMARK proposes that multifunctional management projects are funded by means of the climate credit market.

The system fundamentally centres on companies purchasing climate credit, which is then used to fund all or part of a forest project.

Providing the market with the climate credit that you generate through management practices serves as a

vehicle for society's joint responsibility for maintaining the services that forests provide and can be the difference between being able to apply sustainable management or not.



What is climate credit?

Climate credit is a new medium of exchange designed to facilitate investment in nature-based solutions in Catalonia as part of voluntary offsetting and corporate social responsibility initiatives. For those who manage woodlands, it is a way to diversify income for management work, based on highlighting the benefits they provide for society. For companies, the Climate Credit seal is a secure and controlled way of managing contributions, while also offering visibility and transparency.

Climate credit is based on an integrated approach to forest management: for forestry activity to generate climate credits, it must have a positive impact on climate change mitigation and adaptation, and it must do so in a way that corresponds with the local context in which it is applied.

It is calculated based on an evaluation of the impact of forest management on the:

- **Ability to absorb and/or conserve carbon stocks (in woodlands and in products)**
- **Water use of forests**
- **Conservation and enhancement of biodiversity**
- **Resistance and resilience to fires**

Climate credits can help you take care of your woodlands, while also helping tackle the current climate crisis

What climate credit can offer you?

The Life CLIMARK consortium works to contribute to the efficiency and viability of multifunctional and climate-smart forest management

By offering management access to environmental finance systems, through the creation of a voluntary credit market that goes beyond carbon credits, integrating other factors such as water, biodiversity and fire prevention.

By providing foresters and their associations with the necessary tools to:

- **Identify priority locations and the forestry measures that have the greatest impact** on the objectives of climate change mitigation and adaptation.
- **Calculate the impact of their management has on carbon balance, water supply and biodiversity**, as well as climate credits generated by management applied to a specific region

Carbon

Carbon fixation in forest tracts and soil

Water

Optimisation of forest water consumption

Biodiversity

Biodiversity conservation

Forest fires

Reductions in the risk of fire, its impact and carbon emissions



Climate Credit

Promotion of forest management for
climate change mitigation through the
design of a local **climate credit** market

The initiative is part of the Life CLIMARK project



Life CLIMARK

More than just carbon

Coordinator:

The Forest Ownership Centre

Partners:

National Research Council (Italy) - Institute for Agricultural
and Forest Systems in the Mediterranean
Forest Science and Technology Centre of Catalonia
Catalan Office of the Climatic Change
University of Lleida

See full information at:

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