







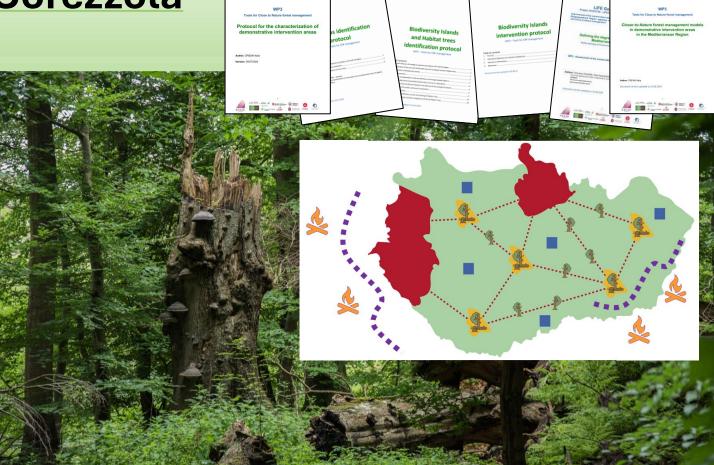
LIFE GoProForMED Identify, conserve & manage Mediterranean forest habitats

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MAIN AIM:

enhance the conservation status of 4 forest habitats in the Mediterranean Biogeographical Region



Transnational conservation strategy



Definition & application of management models



Enabling their adoption and diffusion through training and network



Conservation status of 4 target forest habitats HD (Art. 17) 2013-2018











APPLY

INDICATORS

APPROACHES

TOOLS

SHARED

PLANNING PROCEDURES

DEMONSTRATIVE

FORESTRY



- Adapt indicators to the Med. area
- Adapt Index of Biodiversity Potential (IBP) also to Spain and Greece
- Common habitat classification system
- Assessment of hab, conservation status
- Ecological network for biodiversity conservation
- Wildfire risk mitigation

2222 **HARMONIZE** challenges

> **FOREST** CONSERVATION AND MANAGEMENT

MODELS FOR THE

MEDITERRANEAN

project's

Key

action lines



Biodiversity conservation

- Wildfire risk mitigation
- **Economic production**

CLOSER-TO-NATURE PRINCIPLES

- Common training system
- Transposition of technical contents
- Involvement of experts and associations of the Mediterranean area









REGULATION (EU) 2024/1991 ON NATURE RESTORATION

RESTORATION

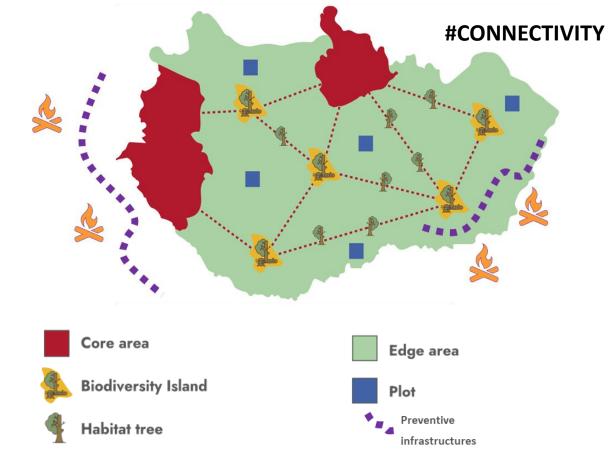
"process of actively or passively assisting the recovery of an ecosystem in order to improve its structure and functions, with the aim of conserving or enhancing biodiversity and ecosystem resilience, through improving an area of a habitat type to good condition [...] improving a habitat of a species to sufficient quality and quantity"

FORESTS

"In the absence of a common method for assessing the condition of forest ecosystems [...] it is appropriate [...] to improve biodiversity in forest ecosystems and measure the fulfilment on the basis of indicators:

#forest bird index #standing and lying deadwood #connectivity #uneven-aged structure #CO₂ stock #native tree species #tree species diversity

PRESERVE AND IMPROVE **KEY STRUCTURAL ELEMENTS**TO ENSURE **HABITAT FUNCTIONALITY**



DEFINE & APPLY **MODELS**TO MANAGE THE REMAINING SURFACE ACCORDING TO
CNF PRINCIPLES & FIRE RISK REDUCTION









ECOLOGICAL NETWORK: preserve & improve key structural elements to ensure habitat functionality

CORE AREA

Min surf. 5 ha Source of biodiversity



ISLAND for **BIODIVERSITY**

Min surf. 1 ha Min dist. 200 m



5-10% of the forest habitat/area

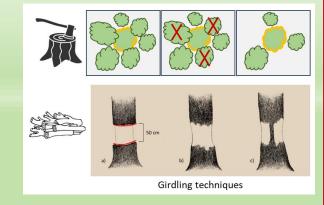






IB - to be improved

NO INTERVENTIONS



- **OB1**. **Structure** of maximum functionality
- **OB2**. Very large trees
- **OB3**. Habitat trees
- **OB4.** Specific diversity
- **OB5.** Vertical structure
- OB6. Open areas

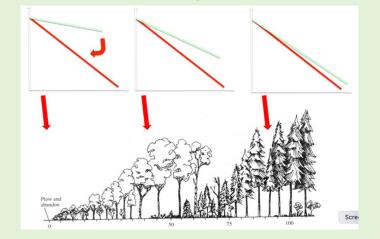
GUIDED BY

OB7. Deadwood

OBJECTIVES

Energy-Equivalent Principle approach

It predicts the structure that corresponds to the maximum resource use (*close-to-nature* model)



Structure represented by an ideal diametric distribution



	Saplings 10-15 cm	Poles 20-35 cm	Large 40-55 cm	Very Large >60 cm
EEP	53%	36% ↑	8%	3%
Stand distribution	27%	66%	7%	0%



HABITAT TREE

Bearing TreMs (Tree Microhabitats)



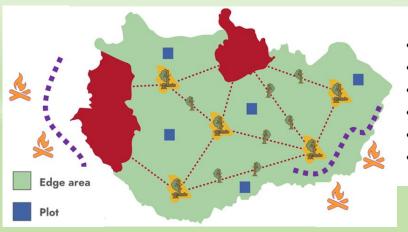






MODELS TO MANAGE THE REMAINING SURFACE ACCORDING TO **CNF PRINCIPLES** & FIRE RISK REDUCTION

Objective of the interventions: guide forest structure towards an irregular, continuous-cover system, **enhancing ecosystem health** and **resilience** to ensure **greater multifunctionality** and **long-term ecological stability**.



Specific objectives

- sustainable timber production
- high-quality timber and cork
- biodiversity and landscape value
- <u>protect soil</u>
- natural forest regeneration
- store CO2

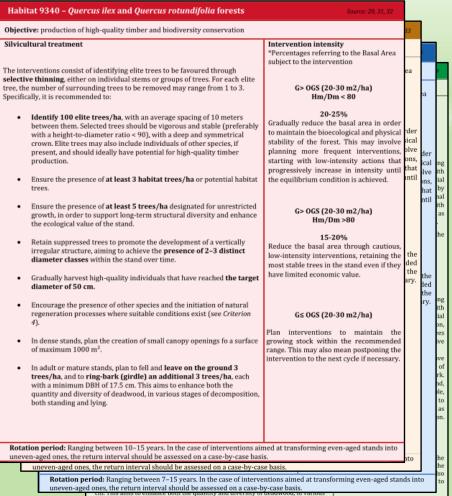
Interventions adapted according to **6 key criteria**

- 1. Optimal Growing Stock
- 2. Structure and stage of development
- 3. Stability
- 4. Regeneration
- 5. Species diversity
- 6. Biodiversity conservation



Demonstrative interventions for each target habitat





stages of decomposition, both standing and lying.

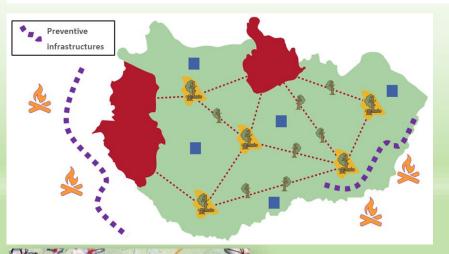








MODELS TO MANAGE THE REMAINING SURFACE ACCORDING TO CNF PRINCIPLES & FIRE RISK REDUCTION

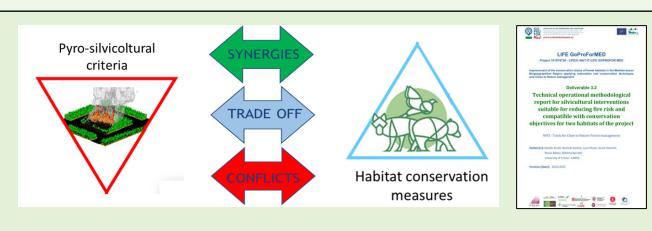


Two scales of analysis

1) Landscape scale strategic planning of preventive infrastructures (Where should they be placed?)

whether and how to intervene, whether within or outside the elements to be preserved

Action: implementation of a protocol (Decision Tree) based on 6 steps and on species ecology (hab. 9260 & 9530*)



SAME GOAL: establish a method of analysis for synergies, conflicts, and trade-offs between prescriptions for fire risk mitigation and conservation measures













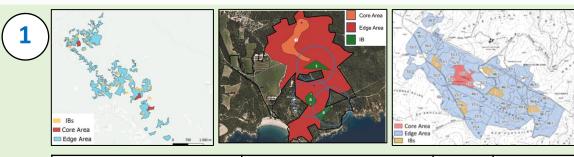
RESULTS (so far...)

- 1. ECOLOGICAL NETWORK ESTABLISHED ON 12 SITES (367 ha)
- 2. IMPROVEMENT of 4.083 ha of FOREST HABITATS
- 3. <u>EEP MODELS</u> FOR HABITATS **9260**, **9330**, **9340**
- 4. SPREAD OF INDEX OF BIODIVERSITY POTENTIAL (IBP)
- 5. STANDARD PROTOCOLS FOR A EASIER (RE-/AP-)PLICATION
- **6. DASHBOARD TOOL** TO GUIDE INTERVENTIONS
- 7. FIELD MANUAL FOR HABITAT RECOGNITION AND

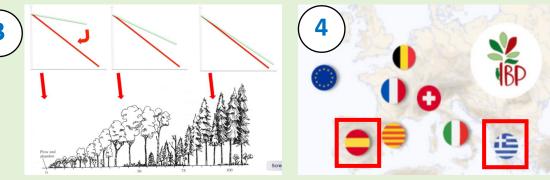
CONSERVATION STATE ASSESSMENT

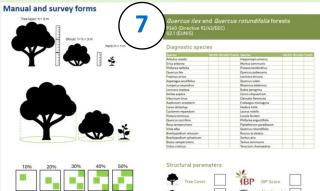


LIFE Platform Meeting on Forest Restoration in Europe, 3-5 JUNE, BRASOV ROMANIA



Project's impact	Ecological network	N° IBs	Effort
4.083 ha	367 ha	101	9 %













CHALLENGES AND SOLUTIONS

MOVING FROM THEORY TO PRACTICE

<u>Scientific papers/researches</u> ► <u>concrete application</u>

Among solutions: EEP MODELS for each target habitat

Support implementers

Among solutions

- Dashboard tool
- Strengthen practical competences through training



ECONOMIC SUSTAINABILITY of INTERVENTIONS

Solutions (within the project!):

- optimize interventions effort for greatest impact
- combine conservation with production

Project's impact	Ecological network	Effort
4.083 ha	367 ha	9 %

ACCEPTANCE by LOCAL COMMUNITIES

In the Mediterranean area, forests have always been used by the community





Solutions: <u>transparency & communication</u>

- participatory processes
- listen to their needs
- inform correctly











LESSONS LEARNT (so far)

Build the forest future, one step at a time





Improving forest ecosystems is a long journey: **clear goals** and **phased planning** make it work

Don't miss the key players



Don't dictate—co-create.

It's the only way to lasting change.









KEY MESSAGE

PES - PAYMENT FOR ECOSYSTEM SERVICES

Not only for non-action, but also for active and concrete actions



Apart from the funding sources
of the LIFE Programme
it is IMPORTANT to find solutions to make
forest management / habitat conservation
economically sustainable
through established and sound mechanisms

NOT ONLY CARBON CREDITS → BIODIVERSITY CREDITS

Voluntary biodiversity credits can help the private and public sectors to achieve a **nature-positive economic system**

Methodology needs to be scientifically robust, but easily understandable

ESG MEASUREMENT CRITERIA AND STANDARDS

need to be concretely developed to favour **DIRECT FINANCING FROM PRIVATES**

If we want restoration to become the norm - not the exception - we must unlock funding mechanisms that reward nature











LIFE GoProForMED https://www.lifegoproformed.eu/

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Thank you for your attention © FR







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