



LIFE Platform Meeting

LIFE and European Forests Restoration

3rd to 5th June 2025 Brasov, Romania



The European Commission is not responsible for the material and information published at this event.
The EU Commission will not be liable for any false, inaccurate, or incomplete information.



LIFE Nieblas – An Overview

Francisco González Artiles – Coordinator
Cabildo de Gran Canaria

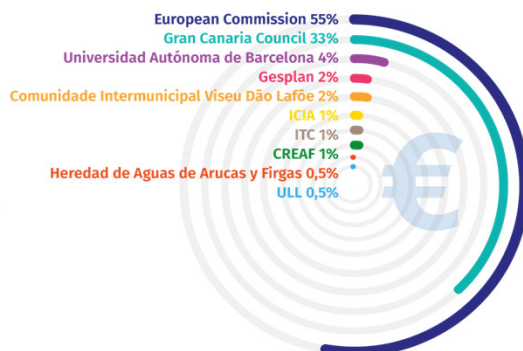


LIFE Platform Meeting

LIFE and European Forests Restoration



Presupuesto
Budget
2.185.777 €

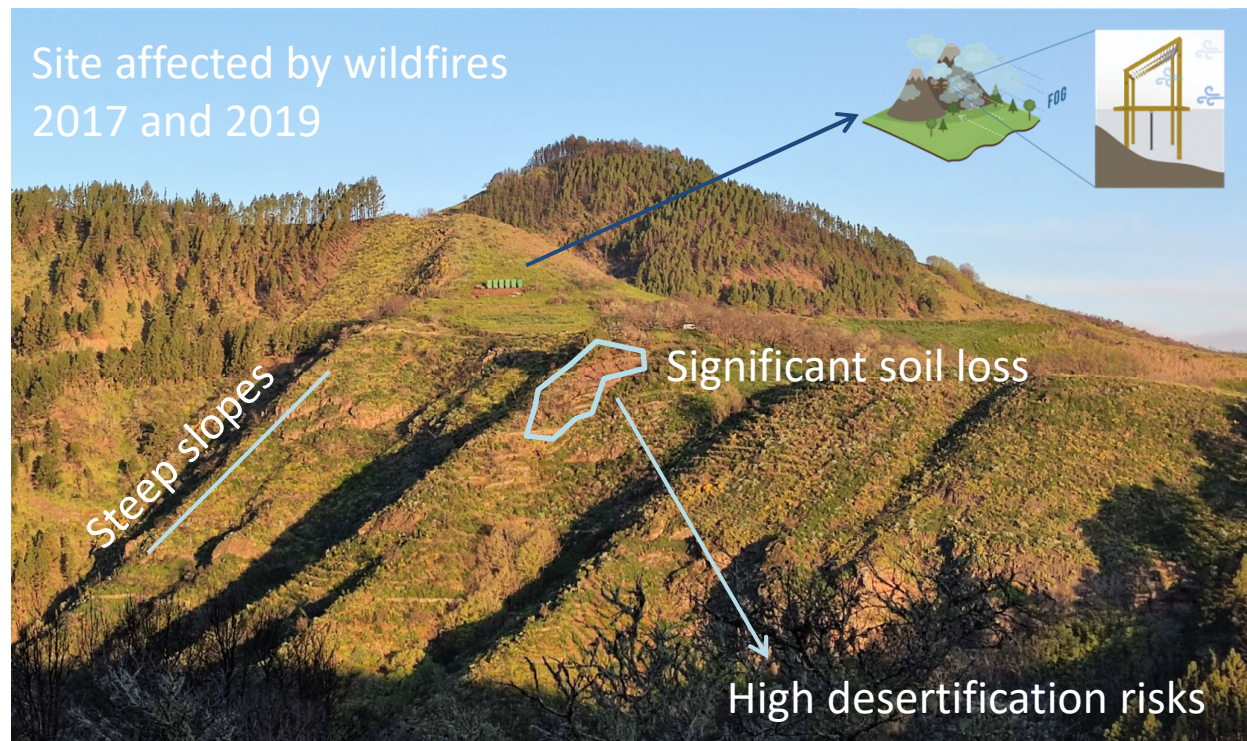


LIFE Platform Meeting

LIFE and European Forests Restoration



Context – Site situation in 2020



LIFE Platform Meeting

LIFE and European Forests Restoration



Replication sites

Sites of Community Importance (SCI) – *Quercus robur*, *pyrenaica*, *suber*



Carregal do Sal



Vouzela

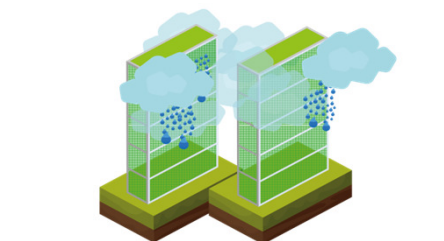
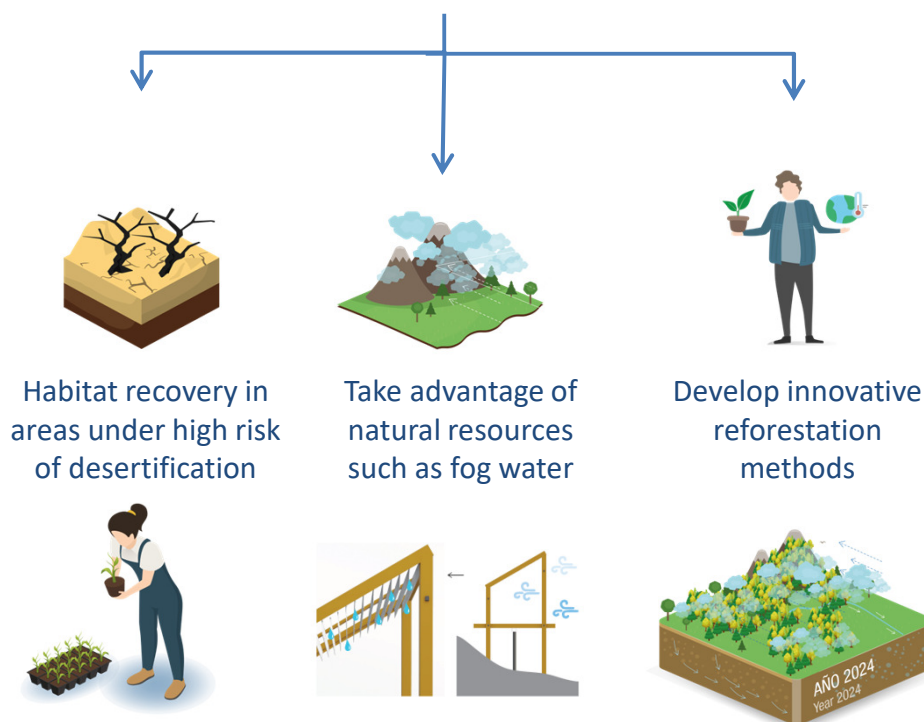


LIFE Platform Meeting

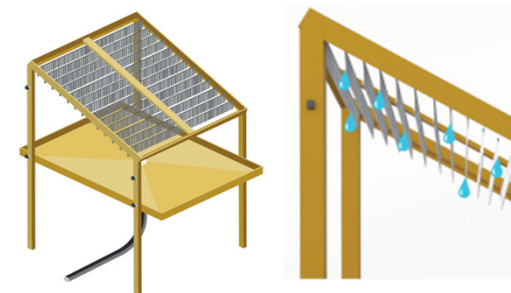
LIFE and European Forests Restoration



Main Objectives



Improve fog water collection technology



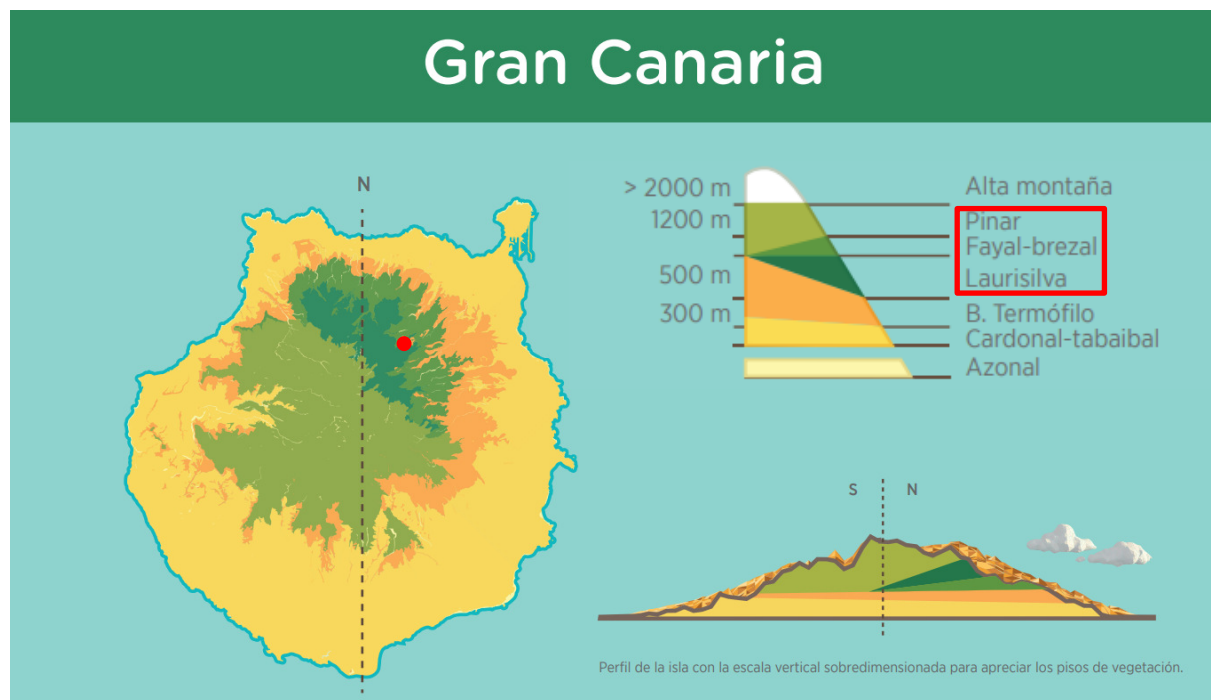
LIFE Platform Meeting

LIFE and European Forests Restoration



Natura 2000 priority habitats - Special Area of Conservation (SAC)
4050 "Endemic Macaronesian heaths", 9360 "Macaronesian laurel forests"

Gran Canaria



Proyecto TSP (IECI-EFC) –Gobierno de Canarias

LIFE Platform Meeting

LIFE and European Forests Restoration



Natura 2000 priority habitats - Special Area of Conservation (SAC)
4050 "Endemic Macaronesian heaths", 9360 "Macaronesian laurel forests"



Thermal inversion

Rising air cools and
condenses

Dry air advances

Moist NE wind

Rain shadow

SEA



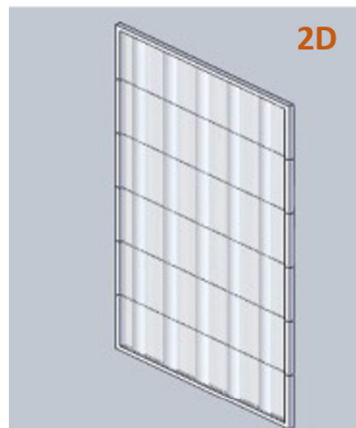
LIFE Platform Meeting

LIFE and European Forests Restoration

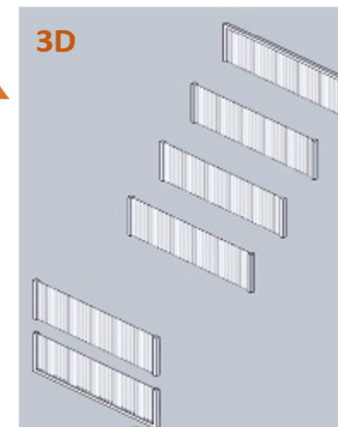
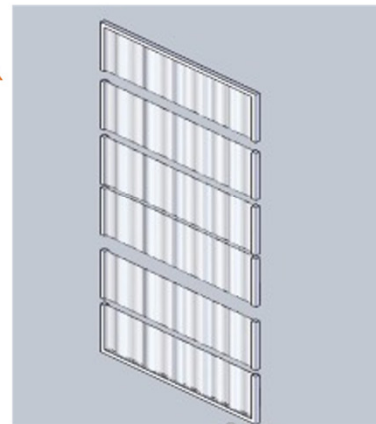


LIFE Platform Meeting

LIFE and European Forests Restoration



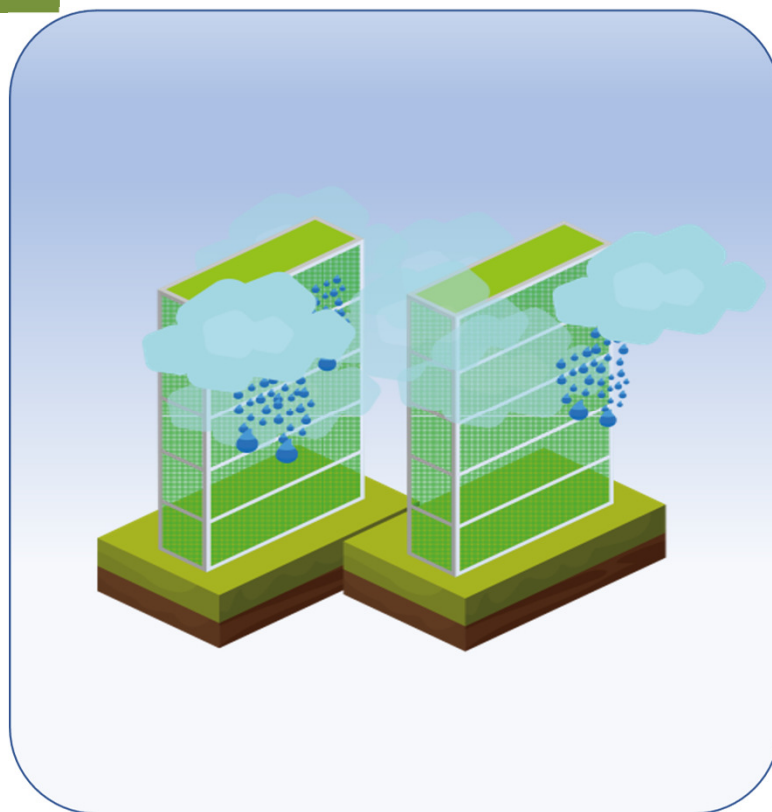
2D



3D

LIFE Platform Meeting

LIFE and European Forests Restoration

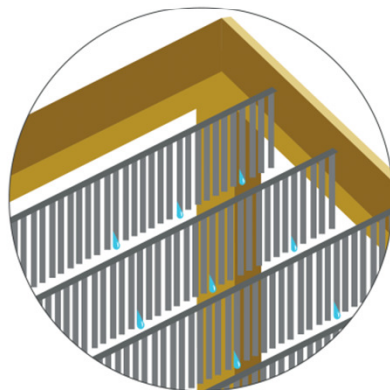


LIFE Platform Meeting

LIFE and European Forests Restoration



Natura 2000 priority habitats - Special Area of Conservation (SAC)
4050 “Endemic Macaronesian heaths”, 9360 “Macaronesian laurel forests”



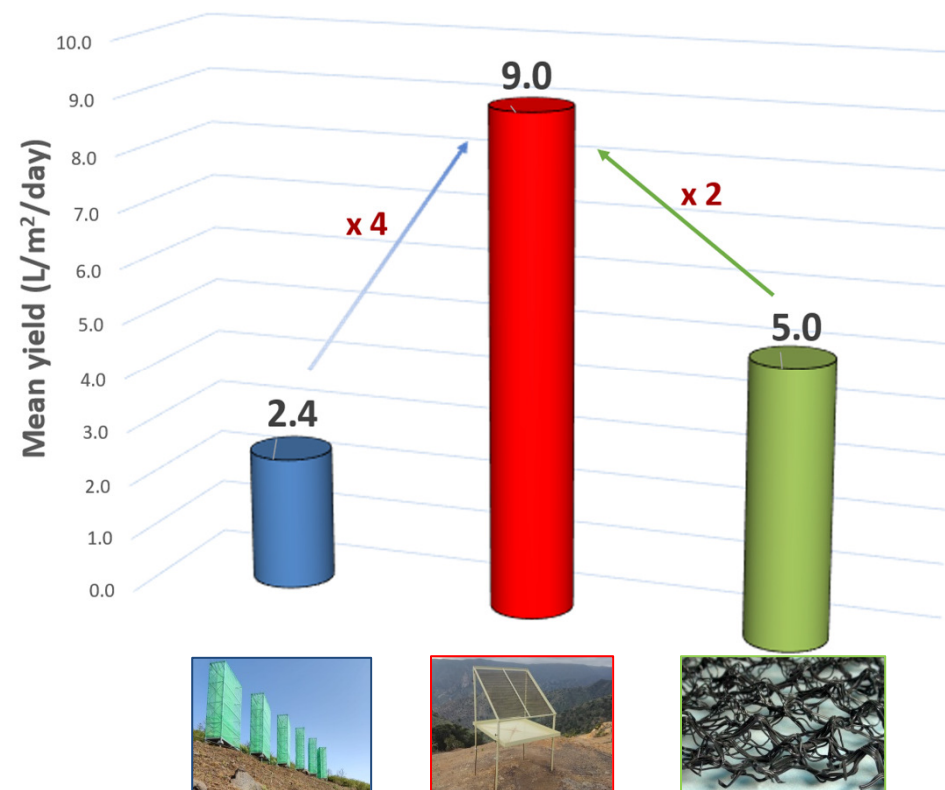
LIFE Platform Meeting

LIFE and European Forests Restoration



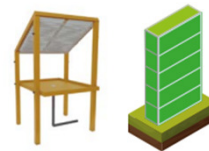
LIFE Platform Meeting

LIFE and European Forests Restoration



LIFE Platform Meeting

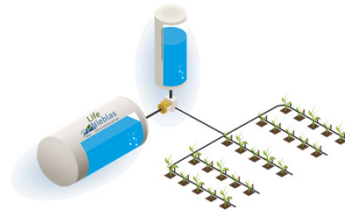
LIFE and European Forests Restoration



Traditional



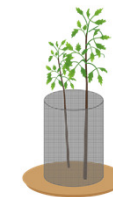
Autonomous Discharge System
(SAD)



Cocoon
(CCN)



Individual Fog Water Collector
(IND)



Addition of 0,5 kg of compost for each plant

Addition of biochar

LIFE Platform Meeting

LIFE and European Forests Restoration



Individual Fog Water Collector
(IND)



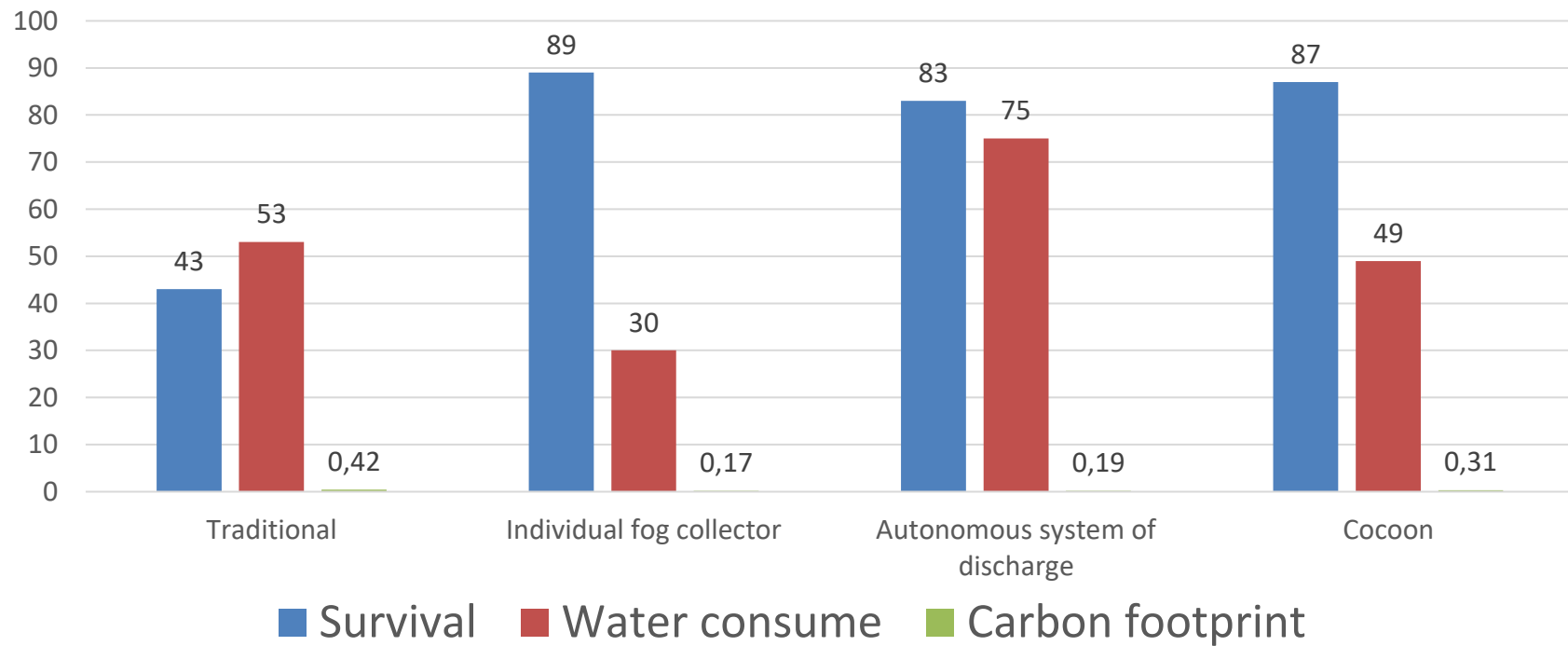
Cocoon (CCN)



Autonomous Discharge System
(SAD)



COMPARISON OF REAFFORESTATION SYSTEMS



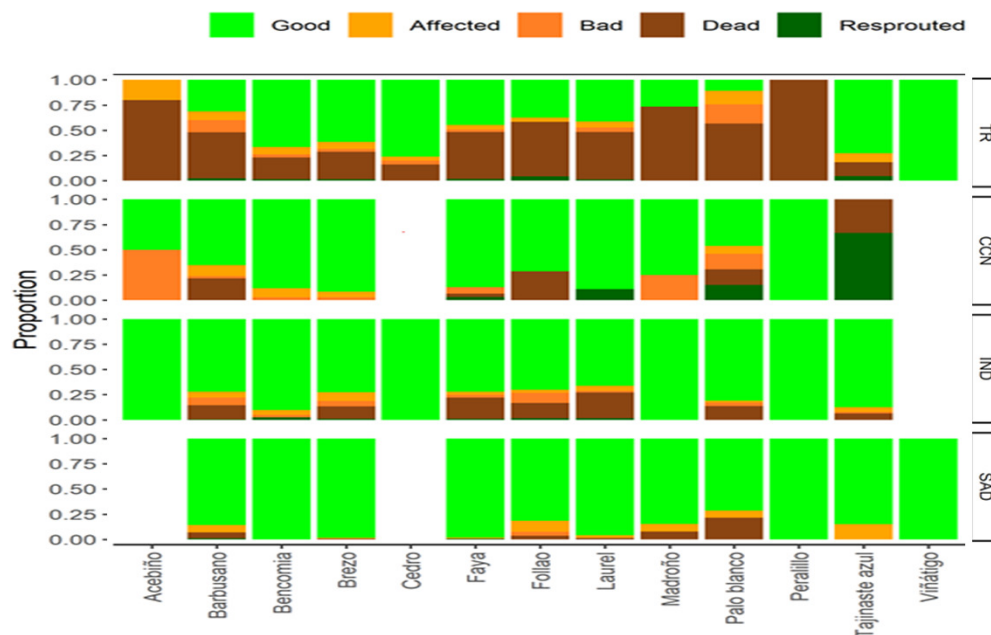
LIFE Platform Meeting

LIFE and European Forests Restoration



PINILLO

Physiological state



- Innovative planting systems (CCN, IND, SAD) had a positive influence on physiological state of the seedlings compared to the traditional (TR) method

LIFE Platform Meeting

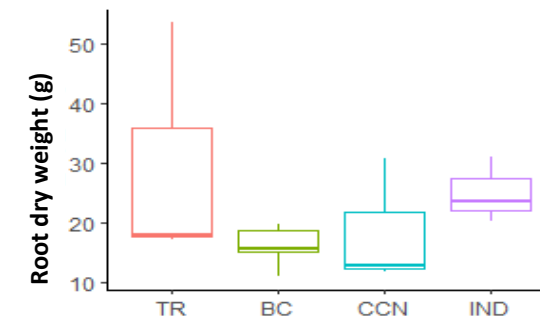
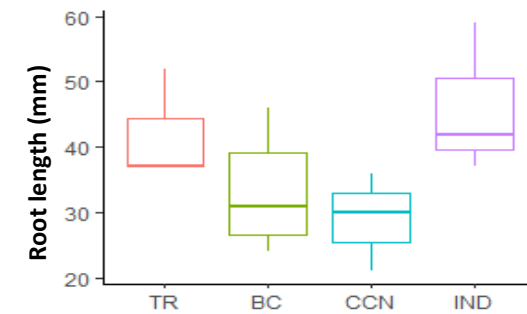
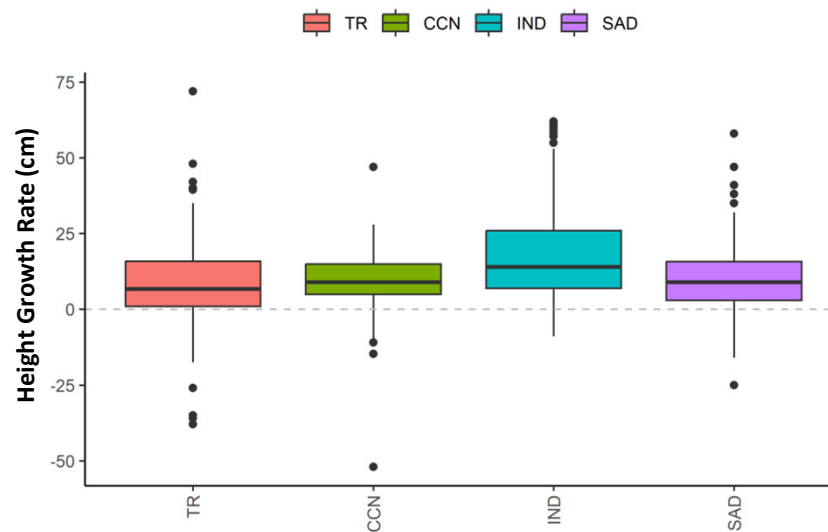
LIFE and European Forests Restoration



PINILLO

Growth rate (2022-24)

- IND significantly increased height growth



LIFE Platform Meeting

LIFE and European Forests Restoration



REPLICATION CASE STUDIES





LIFE Platform Meeting

LIFE and European Forests Restoration



REPLICATION MANUALS AND GUIDES



 @lifenieblas
 Life+grancanaria
 www.lifenieblas.com





LIFE Platform Meeting

LIFE and European Forests Restoration

3rd to 5th June 2025 Brasov, Romania



The European Commission is not responsible for the material and information published at this event.
The EU Commission will not be liable for any false, inaccurate, or incomplete information.

Thank you!

Francisco González Artiles

