sust**A**ffor
Bridging effectiveness
and sustainability in afforestation

Bridging effectiveness and sustainability in afforestation & reforestation in the Mediterranean: Sustaffor project

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PROJECT AIMS

Sustaffor project has as main objective to develop and validate **novel techniques** aiming at improving tree planting projects from an environmental, technical and economic point of view, and to explore the synergies between them.

NOVEL TECHNIQUES

The novel techniques developed aim at mitigating the negative effect of drought and competitive vegetation with a significant component of environmental friendliness

New soil conditioner with a new complex of hydro-absorbent polymers (TerraCottem Internacional)

Recycled rubber based mulch anti-UV, reusable in successive tree plantations. 1.5 mm thick (EcoRub)

Woven jute cloth treated with furan bio-based resin for increased lifetime, 100% biodegradable (La Zeloise)


New biopolymer-based semi-rigid plate, 100% biodegradable (DTC)

New biopolymer-based frame 100% biodegradable, fused to a commercially available biodegradable film (DTC)

## FIELD TRIALS & RESULTS FROM 1ST VEGETATIVE PERIOD

The performance of these prototypes, alone and combined, and compared to reference techniques, is assessed through a network of 8 field trials established on 4 significantly contrasted climatic areas in NE Spain, with almost 4,000 experimental trees
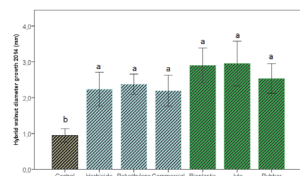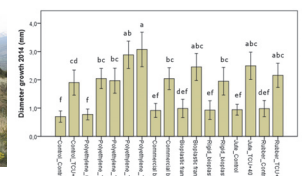

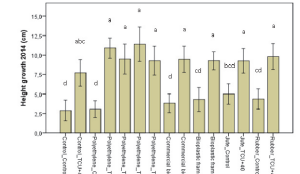Significantly positive effect of mulching. Green: novel models

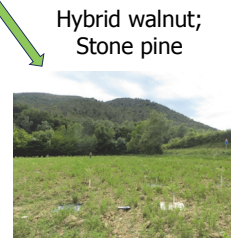Hybrid walnut; Oak with truffle
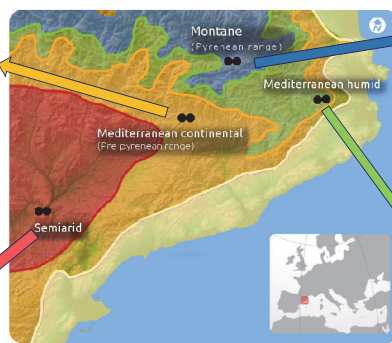
European ash; Birch

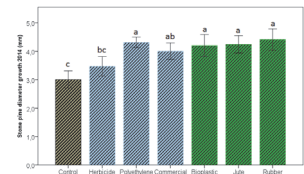Significantly positive effect of soil conditioner

Significantly positive effect of soil conditioner

Aleppo pine at North & South slope

Hybrid walnut; Stone pine

Significantly positive effect of mulching. Green: novel models

SUSTAFFOR CONSORTIUM

6 SMEs:
4 RTDs:

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