

About the project

We propose a sustainable farming system that includes several Mediterranean tree crops and livestock that will be integrated to achieve a more economical-, ecological- and socially sustainable healthy-food production system

Objectives

- **Improve sustainability** and profitability of traditional tree crops in Andalusia (i.e, olive, citrus, and almond) by raising them in an **organic** fashion, and integrating them with animal husbandry raised in nature.
- **Promote** the production and consumption of a “neglected” Mediterranean tree crop, the **carob**, which has new marketing opportunities
- Increase biodiversity with four major tree crops to the point where honey bees can survive, feed, and be productive throughout the season
- **Reduce the ecological impact** of cellulose-rich residues, using them to feed livestock

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Factsheet

Proposal of an agrosilvopastoral system for Mediterranean environments









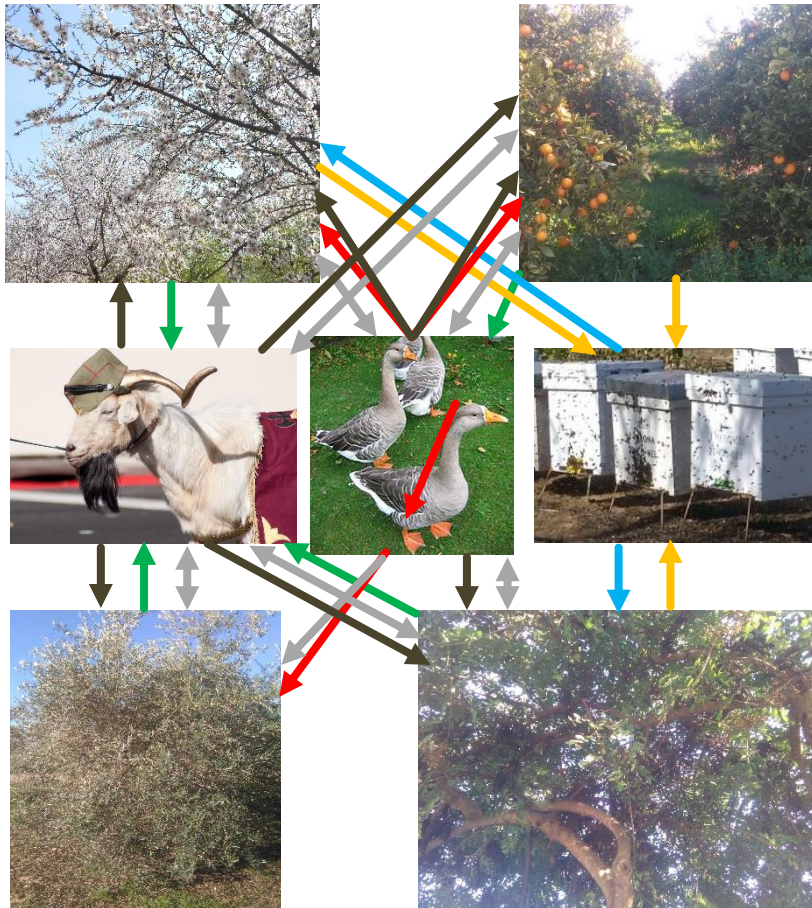
SYSTEM COMPONENTS

- **Olive**
The most extended tree crop in Andalusia and Spain
Olive oil is known to be a very healthy fat
- **Citrus**
Highly productive and well adapted to the Mediterranean, high export demand,
- **Almond**
Highly nutritious, healthy food with very good market perspectives
- **Carob**
Considered a superfood for its nutritional properties
Used as a substitute for coffee and cocoa
- **Honey bees**
Contribute to almond and carob pollination
Produce honey, wax, pollen, propolis, bees...
- **Goats**
The best adapted ruminant to Mediterranean climate
Produce milk and meat, and manure
- **Geese**
Eat pasture and insects
Produce meat, feathers, eggs, and manure

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<http://www.sustainfarm.eu/en/>

INTERACTIONS

- Feed 
- Nectar and pollen 
- Weed/covercrop control 
- Pest control 
- Manure 
- Pollination 



Martetable Outputs

- Olives/olive oil
- Oranges
- Almonds
- Carobs
- Honey, pollen, wax, propolis
- Goat milk and meat
- Geese eggs, meat and feathers

Net profits for a 10 ha* field

– 2.5 ha olive	5,000€
– 2.5 ha citrus	7,500€
– 2.5 ha almond	15,000€
– 1.5 ha carob	1,600€
– 120 bee hives	6,000€
– 60 goats and 100 geese	1,000€
Total	36,100€

*There is 1 ha left for stores, machinery and animal shelters