

# From oil to new olive-based value chains, Andalusia region, Spain

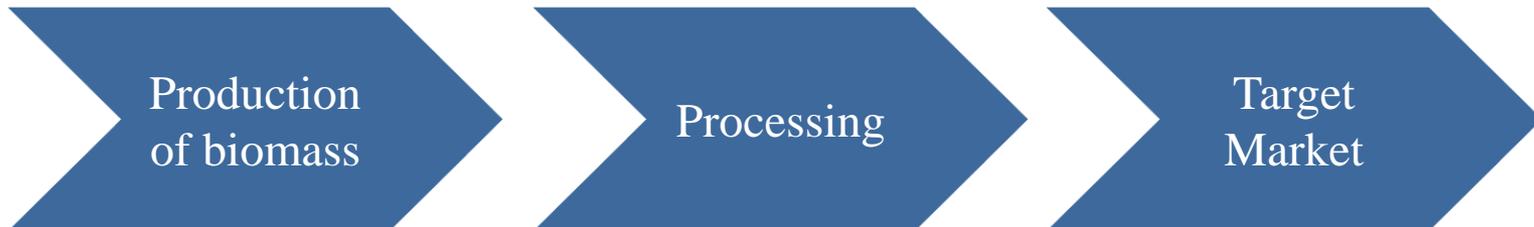
Supporting rural business success across Europe  
Francisco Galán Cano  
October 24<sup>th</sup>, 2019

## **Circular bioeconomy in Andalusia Region (Spain)**

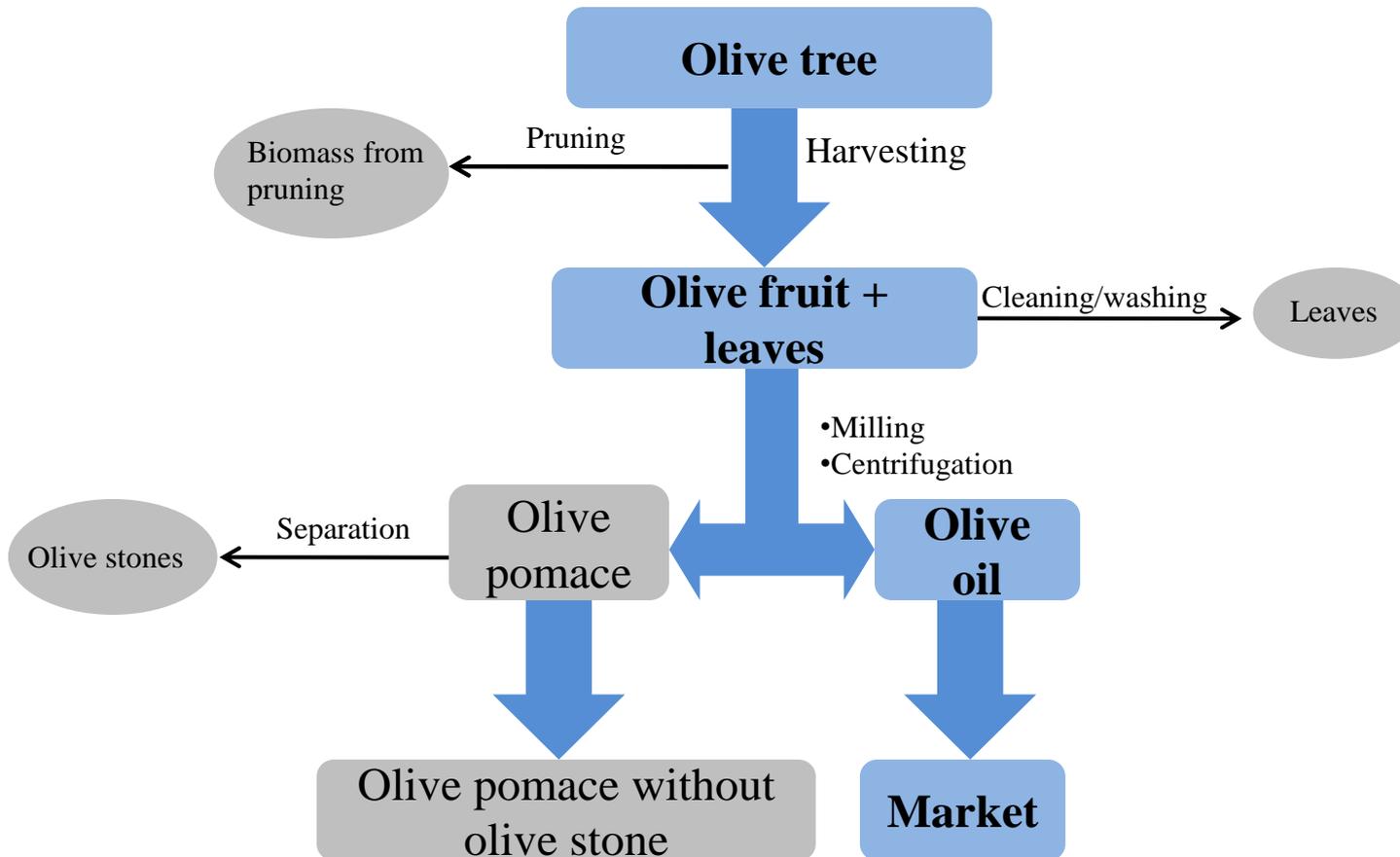
### Definition

“Economic model based on the production and use of renewable biomass resources and their sustainable and efficient transformation into bioproducts, bioenergy and services for society”

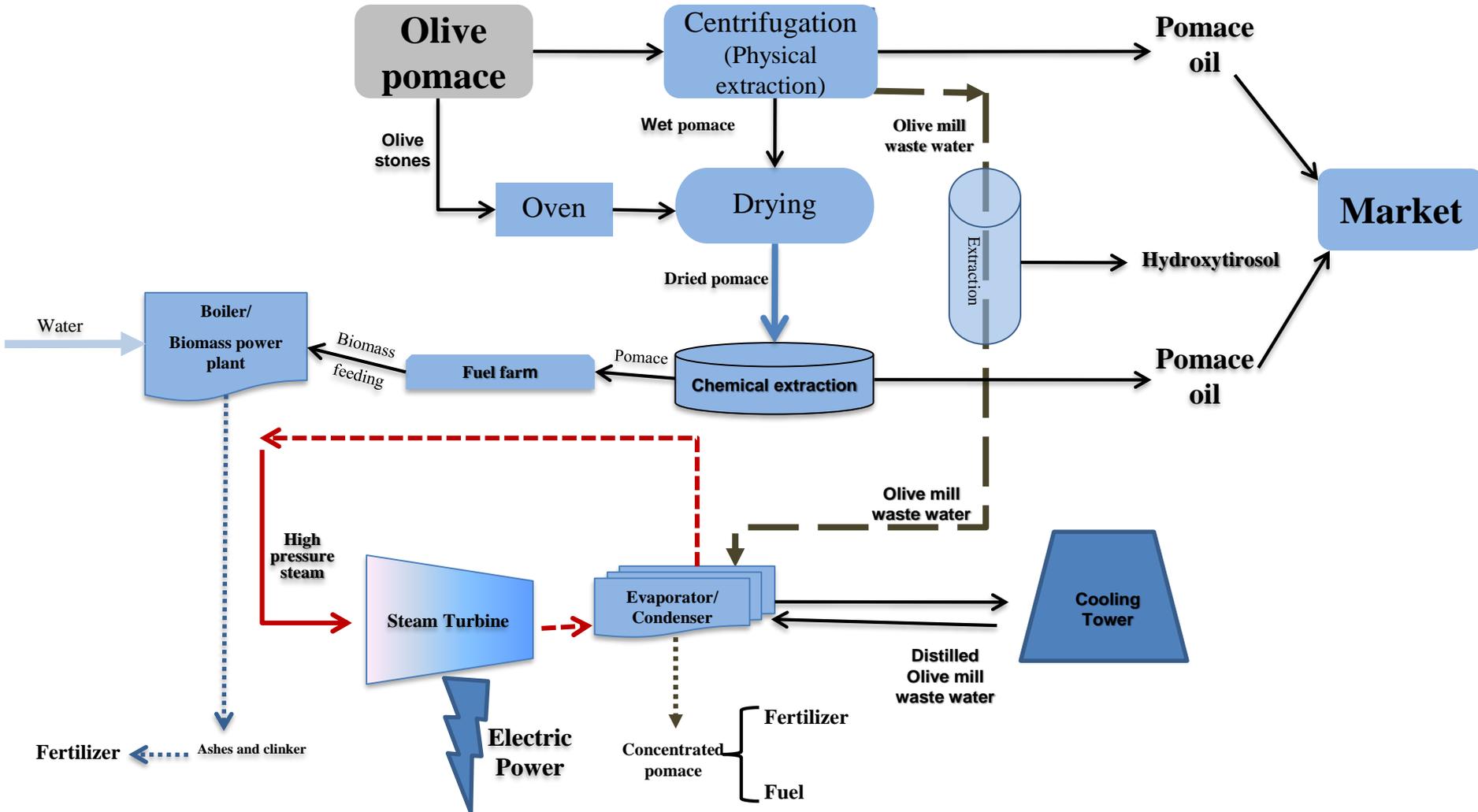
The Andalusian strategy on circular Bioeconomy focus on the areas and activities of the bioeconomy that are less developed and, therefore, need more institutional support, emphasizing the three links of the following chain



## Olive tree cycle



## Olive pomace cycle



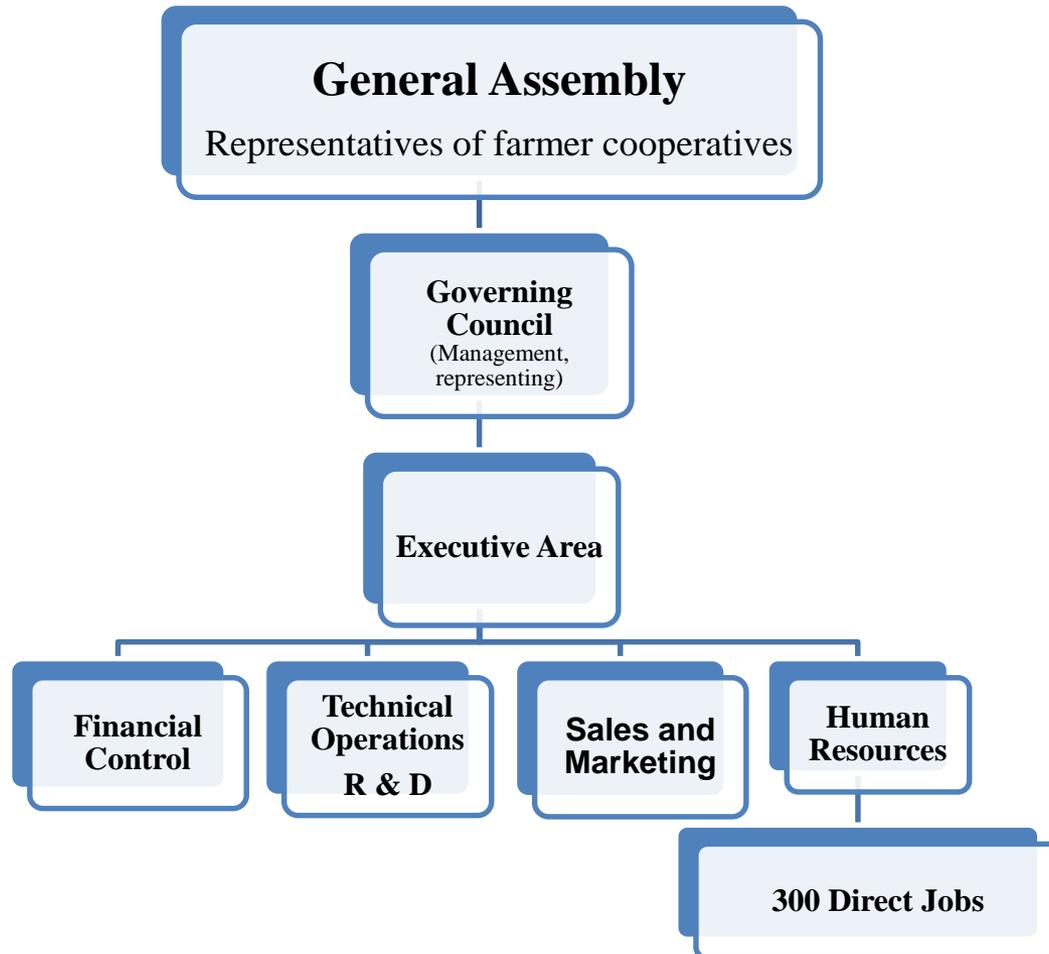
## Who are we?

We are a second degree cooperative with 243 members. We receive a 31% share of all national olive pomace, leaves, and broken pieces of olive stones, valorizing those by means of the obtaining of olive pomace oil, bioproducts and bioenergy.

## Where are we?



## Our structure

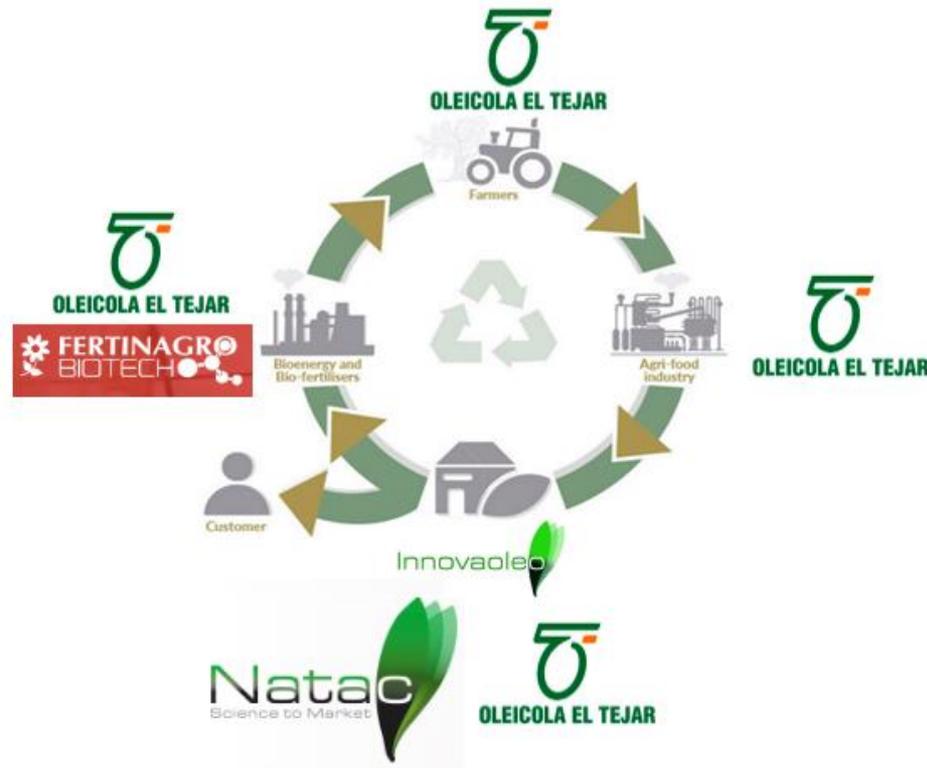


## What do we do?

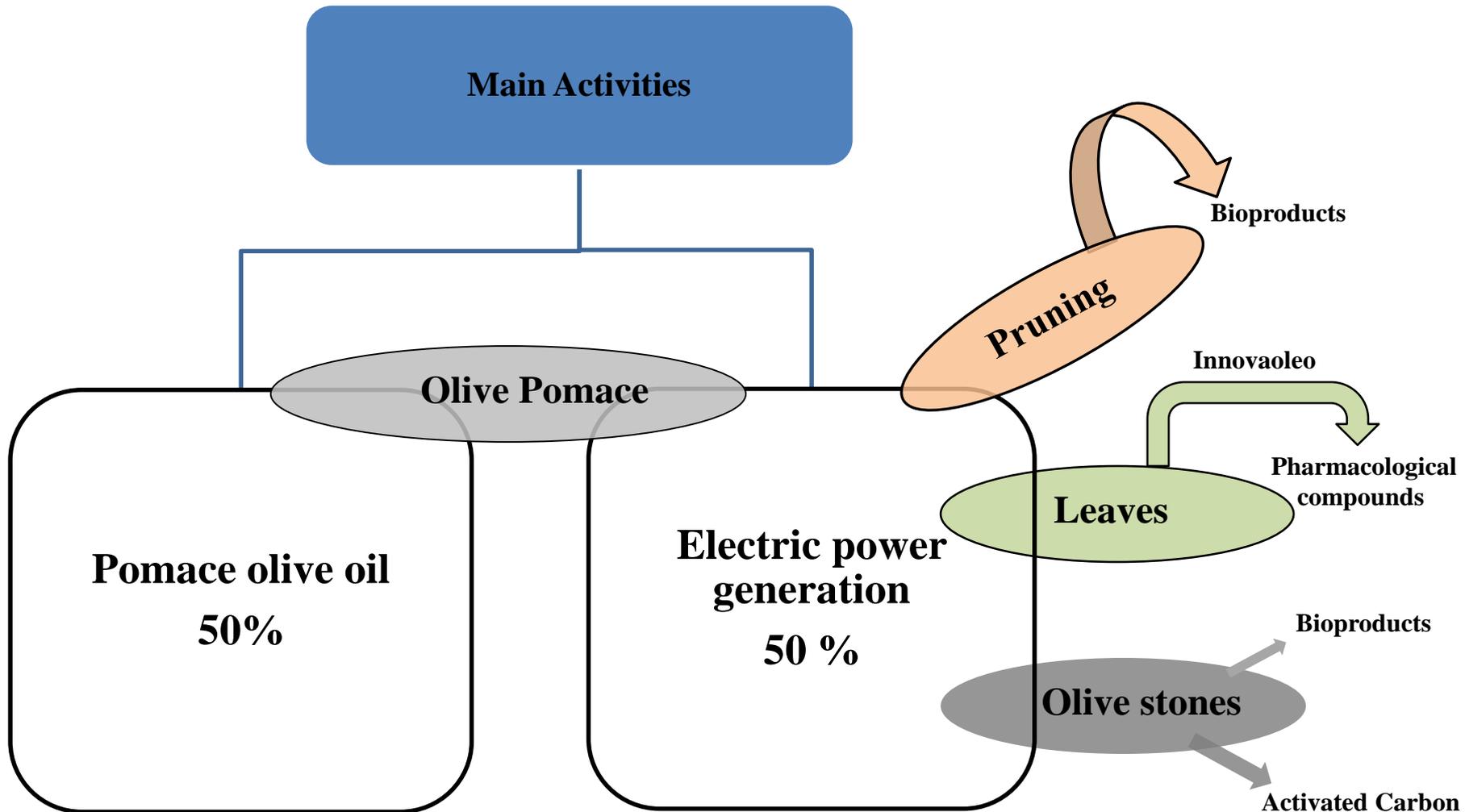
We use renewable by-products from Andalusian agriculture, in order to generate bioproducts, bioenergy and services for society



**BIOECONOMY!!**



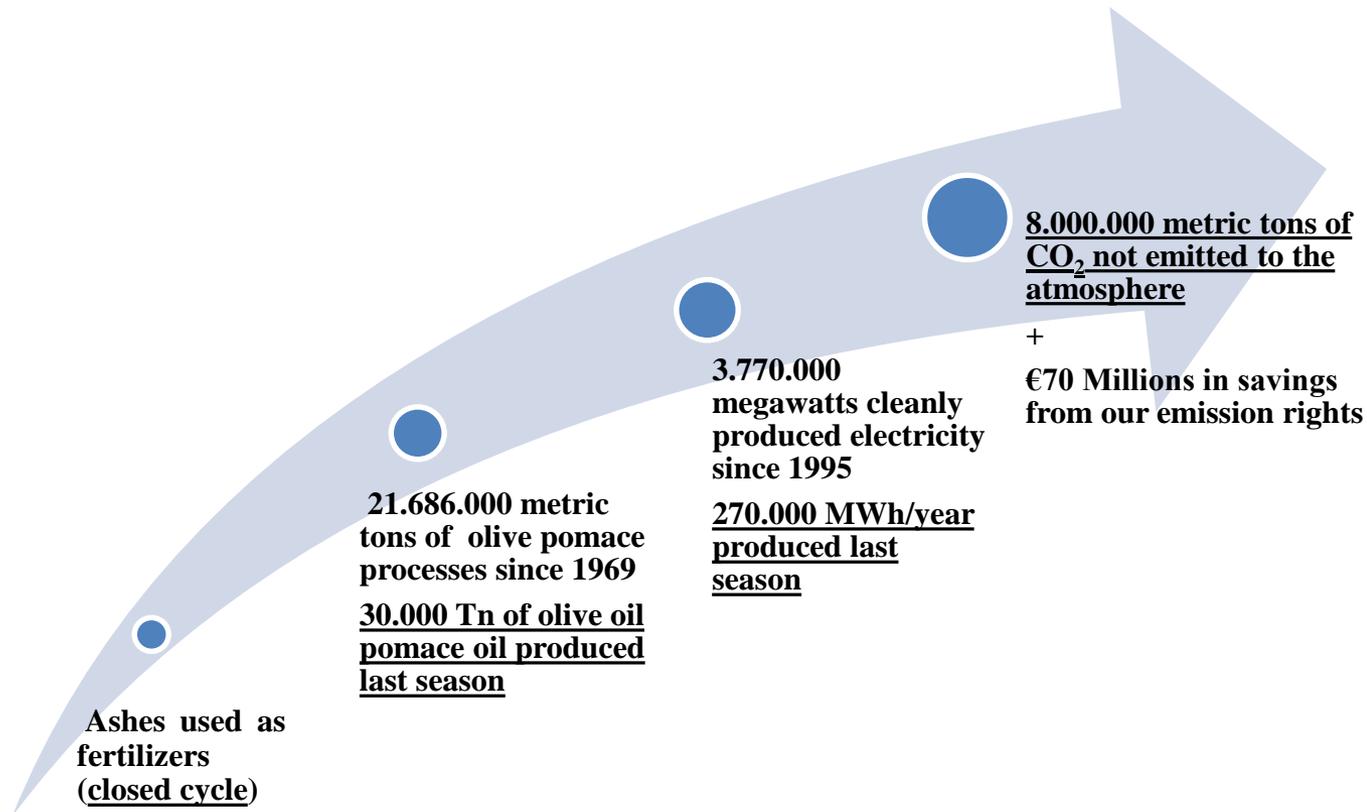
## What do we do?



## Size of Oleícola El Tejar



## The benefits to our Environment



## I+D+i

Hygroscopic cycle as a first industrial reference to be put into production into our Palenciana plant and our Baena plant (in conjunction to IMASA)

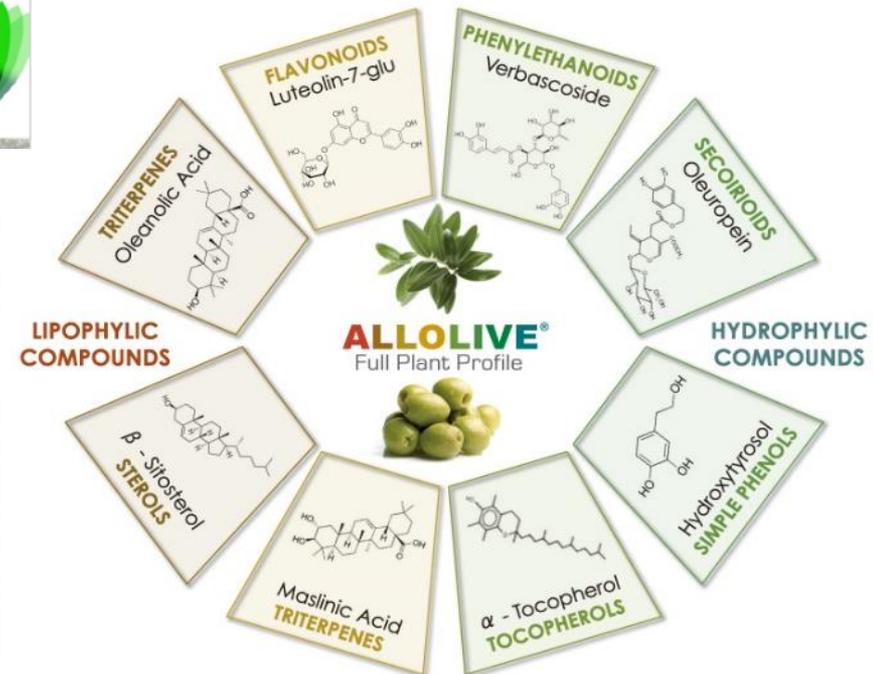


## Advantages

- To raise the cooling temperature
- The use of cooling water is eliminated
- It reduces CO<sub>2</sub> emissions
- It increases electrical efficiency of the plant

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Oleicola El Tejar in conjunction to NATAC created INNOVAOLEO in order to obtain new bioproducts from olive trees leaves such as hydroxytirosol, triterpenes...



**I+D+i**

**Dolomite P-K: Project association with FERTINAGRO to produce a complex fertilizer in olive groves from combustion ashes**



**CDTI: New uses of our olives pulp into the pork industry in association with NACOOP and DCOOP**





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**Thank you for your attention**

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