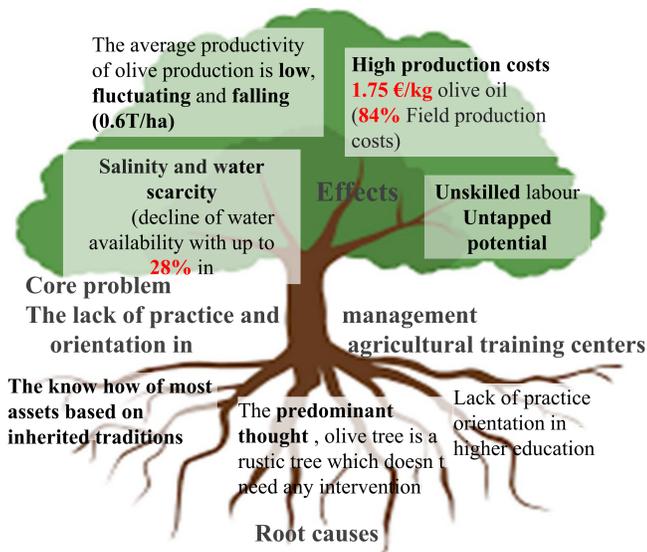


# Establishing an experimental farm for educational services to promote the value chain of the olive growing sector in southern Tunisia

**Souha NEILI, HSWT, Weihenstephan-Triesdorf**

Tunisia has become the North African olive grove par excellence. In fact, excluding the countries of the European Union, Tunisia is the world's largest producer of olive oil and the leading exporter. Despite this significant potential, the olive-growing sector faces a number of constraints.

### Problems tree



### Solutions

- Considering **training and knowledge transfer** as tools of increasing **productivity and cost optimization**
- Providing **qualified employees (80% rural women)**
- Implementing an **experimental parcel** provides recommendations regarding **specific varieties** and an **eco-friendly irrigation system**.

### Impacts

#### Economical impact

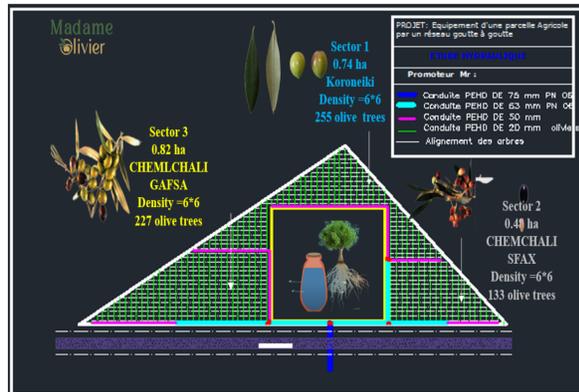
Our project approach rationalize practices, by **optimizing farmers resource use** in a more **effective and sustainable way**.

#### Social impact

**Fighting poverty, improving health safety and work conditions**, Madame OLIVIER provide their women agricultural workers by the respective **technical training** which build their income earning capacity.

#### Environmental impact

Madame OLIVIER relies on jars as an eco friendly irrigation system witch will save **50 to 70%** of water compared to surface watering.



### Conclusion

Madame OLIVIER is a multi-disciplinary olive tree farm located in **Menzel El Habib**, a rural area with high olive production potential in south of Tunisia dedicated to foster the best practices transfer, ensure fair income for farmers by using eco friendly irrigation systems, vibrant rural area and improving the lives of TUNISIA's rural women.

Our areas of responsibilities are Training and providing workforce.

Our investment costs are 68 K€ and the net cash flow in the first year will be about 26 K€.



### Expected outcomes

- Increasing production for 50% and reduce costs for 60%** by using eco-friendly irrigation system and local olive tree varieties, **reducing losses** and make the system **more efficient**.
- Helping rural women to find new market by encouraging the use of **artisanal jars** (handmade with clay) as a sustainable and profitable irrigation system.
- offering an **agreeable frame** for clients.
- In fact, our traditional restaurant provides home cooking plates prepared with **local products**.
- offering to children the opportunity to live the **experience of nature**.

### Implementation of experimental olive tree parcel

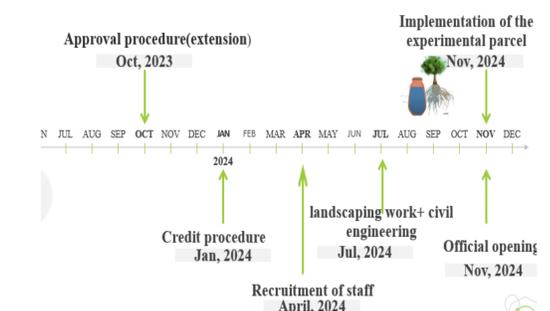
We will use 3 specific varieties of olive tree.

**Chemlali sfax** and **Chemlali Gafsa** the two most useful varieties in southern of Tunisia and we will compare it with Koroneiki, grec variety well adapted with our natural resources and it has a lot of similarities with our local varieties in term of resistance to salinity, drought and diseases.

### Jars, an low-cost integrated desalination and irrigation technique

- Underground irrigation technology
- The water can seep out slowly to reach the roots

### Timeline

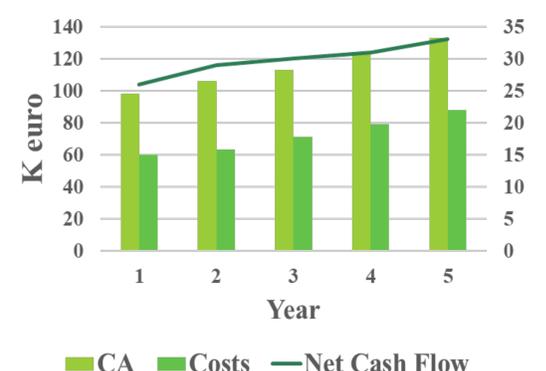


### Expected costs



### Financial perspective

Forecasting for success



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