

Newsletter 1  
February 2023

# CypruSaves

The project for the vine and wine sectors of Cyprus

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*Vine producers of Paphos and Limassol collaborate to improve production and adapt to climate change*

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## **Tools for Water-saving and Field management of Cypriot vineyards**

### **The objectives of CypruSaves**

The CypruSaves project will develop easy-to-use technology and digital tools to assist the Cypriot vine producers and the local wineries to adapt to the new climate conditions, and to market demands for environment friendly products.



CypruSaves tools were developed considering local characteristics (climate, soil) and cultivation practices. Meteorological stations and soil sensors have already been installed in vineyards in Paphos and Limassol, soil and water samples have been collected and analyzed, while diseases outbreaks in local growing conditions are being monitored.

**CypruSaves tools are unique because they are adapted to local production and winemaking conditions.**

**With minor modifications CypruSaves tools can be applied throughout Cyprus**

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***Why CypruSaves tools are unique***

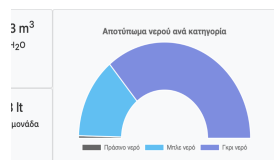
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## What CypruSaves' tools offer

### Water Footprint

#### Vineyards

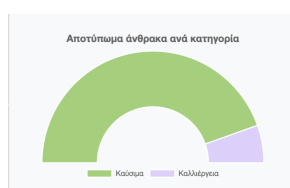
Water needs are defined through a network of meteorological stations and special algorithms which calculate the water footprint. Producers are now able to know the Green, Blue and Grey Water Footprint of their cultivation, take corrective actions in time, and demonstrate sustainable water management to their consumers. High accuracy of the estimations is ensured, as the algorithms have been developed using local parameters.



#### Wineries

Wineries are also able to calculate the water footprint of the entire winemaking process. The CypruSaves tools, in addition to water consumption for winemaking, also provide the Grey Water Footprint, a parameter indicative of the degree of impact of the winery on water bodies. For the first time, wineries are able to know all aspects of their water footprint, assess them and take optimization measures, improving their environmental profile and market position.

### Carbon Footprint



Both producers and wineries can use CypruSaves tools to calculate the carbon footprint of their practices and processes, identify weak points in the process and improve them. The calculation algorithm is also adapted to the particularities of the production, using national emission factors, offering more accurate results compared to other tools available today.

### Vine Enemies

Taking into account local climate data, CypruSaves tools warn growers regarding the risk of parasitic diseases outbreak, as for example powdery mildew, downy mildew.

## Modern Tools adapted to local conditions

**Who implement CypruSaves:** Two Cypriot and one Greek institutions



**The CypruSaves project is one of the five5 proposals to received grants funding from the European Union's research and innovation program Horizon 2020, in the context of the DEMETER project**



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