

## MED-GOLD EXPECTED IMPACT

1. Involve users in the design, development, test, and evaluation of the added value of pilot climate services for olive, grape, and durum wheat
2. Refine, validate, and upscale pilot services with the wider European and global user communities for olive / olive oil, grape / wine and durum wheat / pasta.
3. Ensure replicability of climate services for other crops / climates, starting with coffee (the world's top agricultural commodity), and link to global policy-making
4. Implement a comprehensive communication and market plan to enhance uptake of MED-GOLD climate services
5. Build better informed and connected end-user communities for the global olive oil, wine, and pasta food systems and related policy making

**Talk to our climate experts**  
in the MED-GOLD  
on-line forum:

[med-gold.eu/forum](https://med-gold.eu/forum)

## CONSORTIUM PARTNERS



## GET INVOLVED

[med-gold.eu/registration](https://med-gold.eu/registration)

Participate in our surveys, online forum and workshops for the co-design of climate services for Mediterranean grapes/wine, olives/olive oil and durum wheat/pasta.

**MED-GOLD**

🔗 [www.med-gold.eu](https://www.med-gold.eu)  
🐦 [@medgold\\_h2020](https://twitter.com/medgold_h2020)  
✉ [med-gold.project@enea.it](mailto:med-gold.project@enea.it)

*Turning climate-related information into added value for traditional  
MEDiterranean Grape, OLive and Durum wheat food systems*

**SHARE** **DISCUSS** **VALIDATE** **BE THE**  
**NEEDS** **OPTIONS** **SERVICES** **FUTURE**



**MED-GOLD**

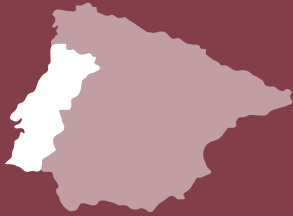
Turning climate-related information  
into added value for traditional MEDiterranean  
Grape, OLive and Durum wheat food systems



MED-GOLD has received funds for the years 2017-2021 from the European Union's Horizon 2020 research and innovation programme under grant agreement no. 776467



## GRAPE/ WINE



*Wine is produced all over the globe, but Europe still retains its traditional leadership role in winemaking - accounting for around 60% of the world's output - with Italy, France and Spain being by far the major producers.*

MED-GOLD will formulate the best seasonal probabilistic predictions of extreme and biological climate indices at Mediterranean and site specific spatial scales, so as to allow for efficient pest and operational management strategies.

The climate service will support farmers in addressing issues like:

- **How many protection treatments are expected for the upcoming season?**
- **What variety / rootstock / clone will I need in my area for the next 30 years?**

## OLIVE/ OLIVE OIL



*Olea europaea, the olive tree, has been part of the Mediterranean landscape for millennia, to the point that the unmistakable squat shape of this evergreen tree has become a symbol of the Mediterranean vegetation.*

MED-GOLD will integrate models capable of predicting pest dynamics and fruit infestation by the olive fly (*Bactrocera oleae*), so as to provide sensible information to support the best management and reduce agricultural costs by addressing issues like:

- **When and where is olive fly pest expected in my area during the next season?**
- **Which new pests will I have to fight against during the next ten years?**
- **What will be the productivity under climate change?**



## DURUM WHEAT/ PASTA

*All over the world, pasta is synonymous with Italian cuisine. Despite being originally solely part of the Italian - and later European - culinary tradition, pasta has crossed international borders to become a very popular and, even staple, form of food in many parts of the globe.*

MED-GOLD will combine different approaches to provide both seasonal forecasts and decadal predictions for durum wheat yield, risks of pests and diseases, as well as farmer-oriented decision process to define and apply better agro-management plans, such as:

- **Can optimal plan for fertilisation be developed?**
- **What information can be provided to select optimal variety and density?**
- **How can the supply chain be adapted to climate change to ensure sustainable production, quality and fair income?**