

NEWSLETTER

VALMEDALM

EDIÇÃO N.º 1 | NOVEMBER 2024



VALMEDALM is a Mediterranean project co-funded under the **PRIMA SECTION 2 2021** (Multi-Topic - Partnership for Research and Innovation in the Mediterranean Area), for a period of 36 months.

The main objective is to empower local almond production of the Mediterranean through the implementation of intercropping practices as an integrated strategy aligned with economic and social aspects, as well as sustainable principles towards an adaptation to climate change.

VALMEDALM project aspires to identify intercropping practices and promote its implementation across the Mediterranean, evaluate the effect of intercropping practices in pests and weed control, assess the nutritional and functional properties of almonds and associated crops, assess the economic, social, and environmental impacts of the tested methodologies, and promote training and knowledge transfer towards local farmers and farmer associations.

OBJECTIVES:

- ✿ Promote intercropping practices in Mediterranean almond orchards;
- ✿ Evaluate the impact of intercropping practices in pest and weed management in almond orchards from the Mediterranean area;
- ✿ Valorise the nutritional properties of almonds and crops used in intercropping farming;
- ✿ Assessment of the economic, social and environmental impacts of examined practices;
- ✿ Increase agro-food stakeholders' skills and sharing of intercropping practices for sustainable agriculture among Mediterranean countries.

CONSORTIUM

The project VALMEDALM started in 2022 and involve 8 partners from **5 countries** (Portugal, Croatia, Italy, Israel and Morocco).



See more information about the project in:

<https://valmedalm.eu/>

<https://www.instagram.com/valmedalm/>

<https://x.com/valmedalm>

<https://www.facebook.com/valmedalm/>

DEMO SITES

5 demo sites (8 field trials) with 12 farming systems



Country: Portugal (Responsible: Centro Nacional de Competências dos Frutos Secos)



1. Experimental field: Macedo de Cavaleiros (41°60'13.2''N, 6°59'05.6''W)

- Non-irrigate almond orchard in full production
- Almond cultivars: Ferraduel, Ferragnès
- Crop system: Intercropping with chickpeas, intercropping with short cycle clover and mobilized (witness)



2. Experimental field: Macedo de Cavaleiros ((41°36'16.4''N, 6°58'18.9''W)

- Irrigate almond orchard in full production
- Almond cultivars: Ferraduel, Ferragnès
- Crop system: Intercropping with chickpeas, intercropping with short cycle clover and mobilized (witness)



3. Experimental field: Argozelo (41°38'11.1''N 6°34'34.9''W)

- Newly planted irrigated almond orchard
- Almond cultivars: Makako, Lauranne, Belona
- Crop system: Intercropping with chickpeas, intercropping with short cycle clover and mobilized (witness)



Country: Italy (Responsible: Università degli Studi di Palermo, UNIPA)



Experimental field: Licata, Agrigento, C.da Volpara, 92027 (37°12'36.34"N 13°50'37.11"E)

- Irrigated 6-years old orchard
- Almond cultivars: Tuono
- Crop system: Intercropping with Sulla, intercropping with Medicago spp. and soil tillage



Country: Israel (Responsible: Agricultural Research Organization, ARO)

Experimental field: Model Farm for Sustainable Agriculture Newe Ya'ar Research Center (32.715148, 35.188401)

- Irrigated almond orchard with service crops
- Almond cultivars: Matan
- Crop system: Service crops between all rows (Medicago spp. and other mixtures of cover crops). With/without service crops on the tree rows (1. standard fertigation 2. flexible fertigation (responding to field conditions))



1. Experimental field: Azilal mountains (31°57'23"N, 6°35'46.0 W), 1400m above sea level

- Non-irrigate almond orchard in full production
- Almond cultivars: Beldi
- Crop system: Intercropping with broad beans, intercropping with lentils



2. Experimental field: Ain Taoujdate (33°56'46.1"N, 5°14'29.4"W) 550 m above sea level

- Newly planted irrigated almond orchard
- Almond cultivars: Ferragnes and Ferraduel
- Crop system: Intercropping with faba beans, intercropping with lentils



Country: Croatia (University of Split, UNIST)



Experimental field: Selca-island Brač, (43°16'56 N, 16°48'33 E), 250m above sea level

- Newly planted irrigated almond orchard
- Almond cultivars: Ferragnès, Ferraduel, Ai, Texas
- Crop system: Intercropping with artichoke, intercropping with imortela, intercropping with rosemary and intercropping with salvia



WORKSHOPS AND FIELD TRIPS

Workshop in Moroccan demosite in Ain Taoujdate (November 2023)



Workshop in Portuguese demosite in Macedo de Cavaleiros (June 2024)



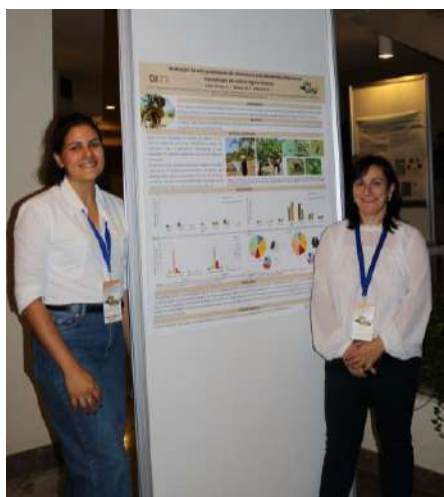
Workshop in Croatian demosite in Brac, Split (October 2024)



EVENTS

VALMEDALM partners shared the project results with different stakeholders, through participation in several events (meetings, conferences, trade fairs) in different countries.

III Simpósio Nacional dos Frutos Secos
14 – 16th November 2022 in Faro, Portugal



International Agricultural and Agri-Food Technology Exhibition

2 - 5th March 2023 in Beni Mellal, Morocco



II International Congress on Environment and Natural Resources: Challenges and Solutions (ENRSC2023)

30 - 31th, May 2023 in Khenifra, Morocco



Agroforestry: a promising alternative for climate change mitigation, adaptation and resilience

13rd July 2023 in Meknes, Morocco



1st International Scientific Conference Agricultural Challenges to Climate Change
19 – 22nd September 2023 in Osijek, Croatia



I International Meeting Molecules 4 Life
20 – 22nd September 2023 in Vila Real, Portugal



LIX SIDEA conference (Italian Society of Agricultural Economics)
21 – 22nd September 2023 in Marina di Orosei, Sardegna, Italy



European Night of Researchers
29th September 2023 in Split, Croatia



SmaCuMed International Conference on Water-Energy-Food-Ecosystem Nexus in the Mediterranean (WEFE2023)
5th-17th November 2023 in Marrakech, Morocco



PRIMA day
21st – 22nd October 2023 in Barcelona, Spain



XXVII Encontro Luso-Galego de Química
22nd- 24th November 2023 in Porto, Portugal



The international congress on Agroecology, a new approach for sustainable and resilient food systems (ANASRFS2023)
21-22nd, December 2023, Khenifra, Morocco



17th Conference of Croatian Fruit Growers
6th March 2024 in Zagreb, Croatia



17th Conference of Croatian Fruit Growers
Visita técnica e Seminário
8th March 2024 in Alfândega da Fé, Portugal



LX Sidea Conference "Dalla strategia Farm-To-Fork all'approccio One-Health Soluzioni Per Il Modello Agricolo Europeo Alla Luce Dei Nuovi Scenari Economici"
15th - 17th September 2024 in Anacapri, Italy

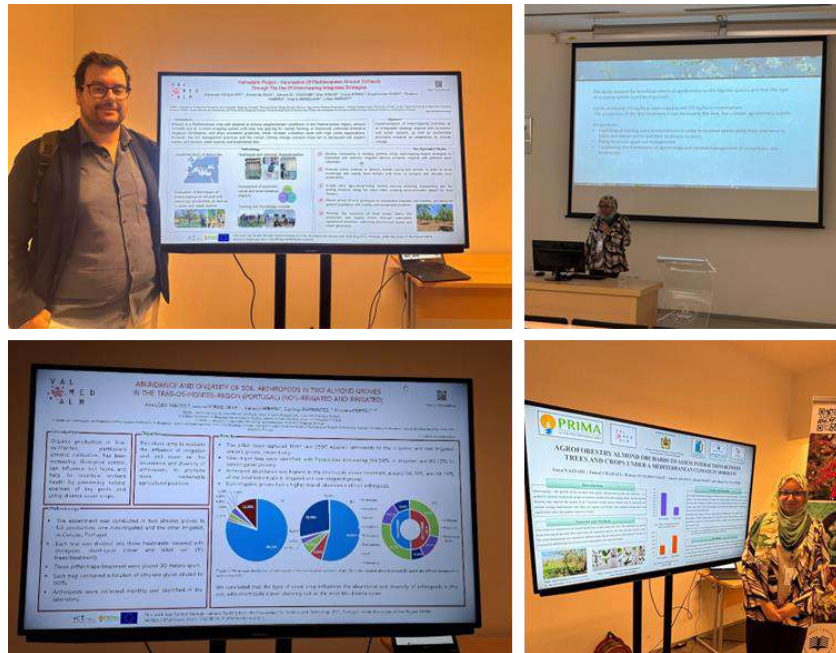


XXXII National Conference of the Italian Society of Agro-food Economics (SIEA)
27th-29th June in Ragusa Ibla, Sicily, Italy



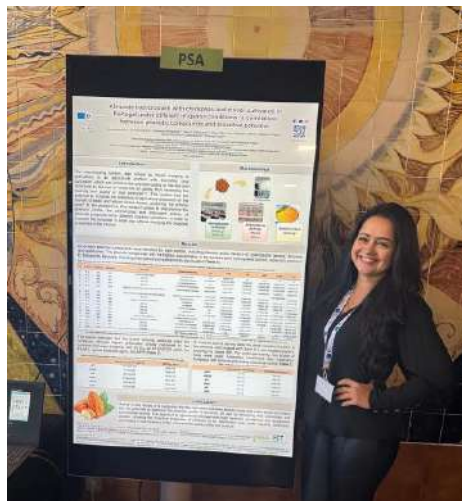
1st International Congress for Sustainable Ecosystems in the Mediterranean area (STEcoMed2024)

2nd -3rd October 2024 in Split, Italy



XVII Encontro Nacional Química dos Alimentos

9th-11st October 2024 in Vila Real, Portugal



XIII Congresso Nacional de Entomologia Aplicada

7th -11st October 2024 in Gijón, Spain



XXVIII Congreso Internacional Galego Portugués de Química

13rd-15th of November 2024 in Vigo, Spain

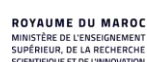


First in-person meeting

On 3rd of October took place the 1st person VALMEDALM meeting that took place in Split (Croatia). In this meeting, partners shared the project results with different stakeholders, through participation in several events (meetings, conferences, trade fairs) in different countries.



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المملكة المغربية
وزارة التعليم العالي
والباحث العلمي و الابتكار



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