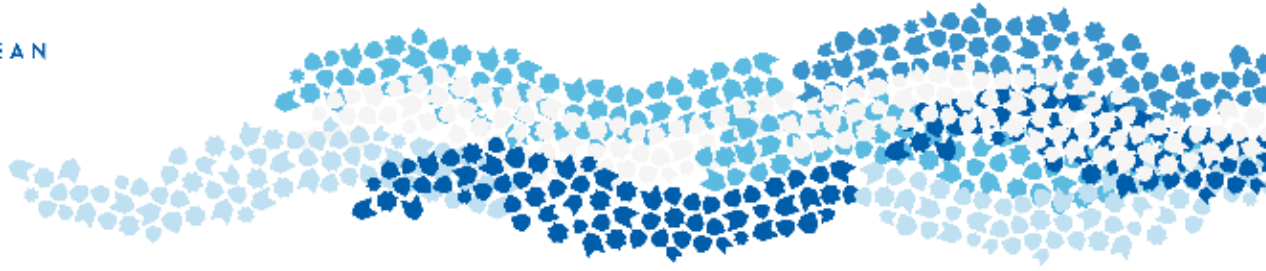


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Press dossier

The Mediterranean region, a Climate Hotspot in the spotlight

COP 27 to host a first-ever Mediterranean Pavilion

Sharm el-Sheikh, Egypt - 6 to 18 November 2022

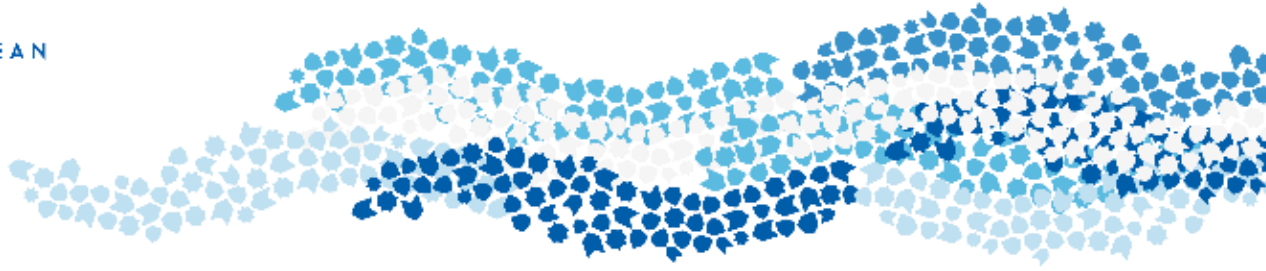
For the first time in COP's history, the 27th edition will host a Mediterranean Pavilion. The initiative is conceived to highlight both the urgent challenges the region is currently facing, and the innovative solutions already being developed throughout the Mediterranean, raising awareness on a region overlooked in the climate negotiations.

Located in the COP27 Blue zone, the Mediterranean Pavilion will host relevant events and working meetings and provide an exceptional opportunity to highlight these severe challenges as well as to illustrate, share, scale up and discuss the advanced initiatives applied and planned in the region.

The Mediterranean Pavilion is conceived as a space for all regional actors – public and private, scientific and academic, technical, policymaking, civil society, finance, and business – actively engaged in facing the climate crisis in and around the Mediterranean Sea. The initiative is led by the Union for the Mediterranean (UfM) together with United Nations Environment Programme - Mediterranean Action Plan (UNEP-MAP) and the PRIMA Foundation, along with a coalition of the most relevant organizations dealing with climate action in the region (see list below). In an innovative approach, the Mediterranean Pavilion will have the independent network of Mediterranean Experts on Environmental and Climate Change (MedECC) as a scientific council advising its activities. MedECC gathers over 600 scientists from 35 countries and published in 2019 the first-ever scientific [assessment report](#) on the impact of environmental and climate change in the Mediterranean region.

Following a summer dominated by climate and environmental emergencies across the region, and within the context of a global climate crisis, the Mediterranean area faces challenges of its own that can lead to regional instability: extremely severe and accelerated impact – it is the planet's second-fastest warming region (warming 20% faster than the global average)– overlapping with a dangerous socio-economic asymmetry and lack of integration. But the Mediterranean is also a hub for emerging solutions – public policies and private initiatives - that can serve as a blueprint for similar efforts to be scaled up globally.

An effective and rapid transition requires a joint effort by all the relevant actors. The Pavilion is meant to serve the region and will operate as a hub for activities and partnerships undertaken by regional public institutions, civil society organisations and private sector entities catalysing a sustainable transition through collective and scalable innovation.



Know the organisations involved

Organisers:

- [Union for the Mediterranean \(UfM\)](#)
- [United Nations Environment Programme - Mediterranean Action Plan \(UNEP-MAP\)](#) and [Plan Bleu](#) and [MedWaves](#)
- [Partnership for Research and Innovation in the Mediterranean Foundation \(PRIMA\)](#)

Partners:

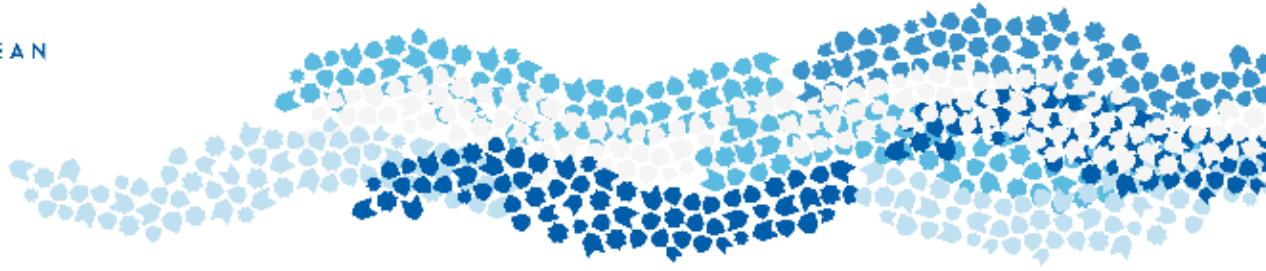
- [Copernicus Climate Change Service \(C3S\)](#), implemented by the [European Centre for Medium-Range Weather Forecasts](#)
- [Ecomondo](#)
- [ENI-CBC Med Programme](#)
- [Euro-Mediterranean Economists Association \(EMEA\)](#)
- [German Development Cooperation \(GIZ\)](#)
- [International Centre for Advanced Mediterranean Agronomic Studies \(CIHEAM\)](#)
- [Interreg MED Programme](#) and [UNIMED - Mediterranean Universities Union](#)
- [Med Energy Conference & Exhibition \(OMC\)](#)
- [Prince Albert II of Monaco Foundation \(PA2F\)](#)

Scientific Council:

- [Mediterranean Experts Network on Climate and Environmental Change \(MedECC\)](#)

Background information

In June and October 2021, the 42 countries of the Union for the Mediterranean signed two UfM Ministerial Declarations to tackle [Energy](#) challenges and [Environment and Climate Change](#) in the region. Ministers reaffirmed their commitment to lead by example and reflect the highest possible ambition by accelerating the transition towards fair, resilient, climate-neutral, and resource-efficient economies in an attempt to limit the average global temperature rise to 1.5°C, halt and reverse biodiversity's loss and reduce air pollution. The Mediterranean Pavilion's initiative reflects the commitment of the Euro-Mediterranean countries towards effectively tackling climate change.



The dire warnings of the Intergovernmental Panel on Climate Change (IPCC) and the network of Mediterranean Experts on Climate and Environmental Change (MedECC) also drew attention to the Mediterranean as one of the world's hotspots of climate change. [Read the full study.](#)

Personalities & experts

The following high-level representatives and experts, among others, are planning to intervene in the activities of the Pavilion:

- [Sameh Hassan Shoukry](#) - President of the COP, Minister of Foreign Affairs of the Arab Republic of Egypt
- [Albert II](#) - Prince of Monaco, founder of the Pavilion's partner The Prince Albert II of Monaco Foundation
- Jordanian Royal Family members, including [Princess Rym al-Ali](#) - President of the Anna Lindh Foundation
- [Giorgio Parisi](#) - Physics Nobel Prize 2021
- [Jeffrey Sachs](#) - economist and former director of The Earth Institute at Columbia University
- [Mark Carney](#) - economist and former governor of the Banks of Canada and England
- Various Ministers from the UfM Member States
- Scientists from the Mediterranean Network of Experts on Climate and Environmental Change (MedECC)

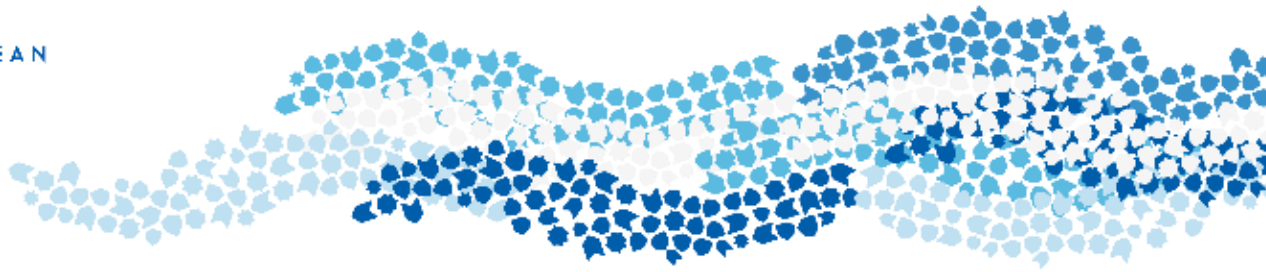
Other high-level presences are currently assessing or confirming participation, so the overall picture is incomplete now. The Pavilion will represent at the same time institutions, business, finance, academia, civil society, women, and youth in a space that gives voice to all these types of stakeholders.

Agenda highlights

Below, some examples of relevant panels that will be hosted by the Mediterranean Pavilion are listed. Please consult the full agenda of events foreseen in the Pavilion [here](#).

All events will be available in streaming: join us online [here](#).

- **Official opening of the first-ever Mediterranean Pavilion in climate negotiations**, in the presence of Sameh Choukry, **Egyptian Minister of Foreign Affairs and President of Cop27**.
Day: 9/11/2022



Time: 13:45 - 14:45 h

More info [here](#).

- Launching of the **Programme for Energy Efficiency in Buildings (PEEB-MED)**: as temperatures rise, **cooling needs are becoming a key driver in energy use and greenhouse gas emissions**. Energy demand for air conditioning is expected to triple by 2050. **Energy-efficient building designs and appliances are essential to achieve a greener urban future** in the Mediterranean region. This French-German initiative combines **financing for large-scale projects with policy support and technical assistance to shift building and construction towards Paris alignment**. PEEB has been **supporting the Moroccan and Tunisian governments and will expand its financing support for 7 Southern Mediterranean countries** in partnership with the European Commission from 2022 onwards.

Day: 7/11/2022

Time: 17:30 - 18:30 h

More info [here](#).

- Together with stronger efforts at mitigating emissions, **actions to safeguard the sea** and its coasts must be scaled-up, based upon solid science. The Prince Albert II of Monaco Foundation will focus on these priorities and its partnerships to make these actions come true, with **Prince Albert II of Monaco opening** the discussions.

Day: 10/11/2022

Time: 16:00 - 18:00 h

More info [here](#).

- The Euro-Mediterranean Economists Association (EMEA), together with speakers and panelists ranging from the **African Development Bank** to the **Prime Minister of the Bahamas**, will present the latest investment and financing-based initiatives and regulatory actions to **accelerate the sustainable transition towards net zero** in Europe, the Mediterranean and Africa.

Day: 9/11/2022

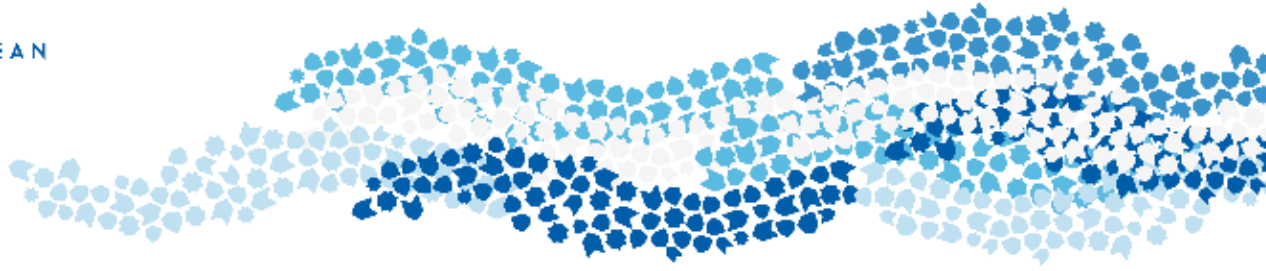
Time: 12:00 - 13:00 h

More info [here](#).

- The UfM Secretariat is coordinating a coalition of 12 strategic partners to **give a voice to the region within the first Mediterranean Pavilion** in the long history of climate negotiations. In an event aimed at explaining the need for a Mediterranean Pavilion at COP27, we will contextualize and illustrate the Mediterranean challenges, concluding that no nation or community can face them alone, but **if we join forces, we can succeed** in a way that leads us to build peace and justice in the region. The speakers will be asked to draw up **proposals for solutions**, each from the point of view of the worlds they represent: economy, civil society, youth and think tanks.

Day: 8/11/2022

Time: 17:30 - 18:30 h



More info [here](#).

- Organized by RAI & Moderated by Maria Cuffaro, editor in chief, reporter Tg3, the **workshop *Climate Change and Biodiversity: what Science says, how Media tell*** will host a debate between journalists and scientists on how to make climate change and its consequences easily understandable to create social awareness. **Nobel Prize awardees Giorgio Parisi and astrophysic Finzi** will be participating, and the event will be followed by a networking cocktail for journalists and experts.

Day: 16/11/2022

Time: 17:30 - 18:30 h

More info [here](#).

- Speakers from the **European Centre for Medium-range Weather Forecast (ECMWF)** will showcase **data-driven applications** built in partnership with the UfM. This Earth observation data gathered by EU Space Programme's Copernicus measures both the **impact of sea level rise on UNESCO World Heritage Sites, and the impact of climate change on the suitability of Mediterranean habitats for air-borne vectors of disease.**

Day: 8/11/2022

Time: 15:00 - 16:00 h

More info [here](#).

- Current unsustainable food systems are responsible for one-third of global GHG emissions, biodiversity loss and global water footprint. **Former director of the Earth Institute and renowned economist Jeffrey Sachs** will inaugurate a session organized by PRIMA that will showcase strategies to secure a sustainable and equitable food system in the Mediterranean.

Day: 9/11/2022

Time: 10:00 - 11:00 h

More info [here](#).

- The **Anna Lindh Foundation** and its partners will promote the **inclusion of displacement and migration**, some of the current social dimensions of climate change in the Mediterranean, in decision-making processes to prevent conflicts and to enhance social cohesion in the Euro-Med region.

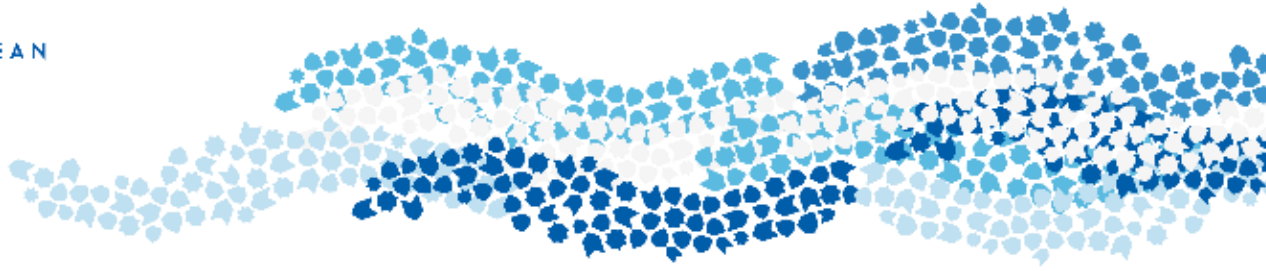
Day: 9/11/2022

Time: 18:45 - 19:45 h

More info [here](#).

- **MedECC** will be presenting some **highlights from the most recent scientific results on climate and environmental change in the Mediterranean.** The science-policy interface in the Mediterranean will be discussed.

Day: 10/11/2022



Time: 14:45 - 15:45 h

More info [here](#).

- An event by **German Development Agency (GIZ)**, the EU and the UfM will highlight innovative policies and best practices that ensure **a just transition towards green jobs and the development of green skills in the Mediterranean region**, with a special focus on the prospects for women and youth in the Southern Mediterranean.

Day: 10/11/2022

Time: 10:00 - 11:00 h

More info [here](#).

- Scientists from the Arava Institute for Environmental Studies and **the University of Oxford** will present an overview of the energy, water and climate challenges in Jordan, Palestine, and Israel. The experts will present their results in **researching future water and energy strategies in these resource-scarce areas of the MENA region**, and will present regional infrastructural and political instruments to improve water and energy security. **The event will welcome feedback regarding the findings**, via an expert panel discussion and attendee feedback.

Day: 15/11/2022

Time: 18:45 - 19:45 h

More info [here](#).

- Based on previous experiences (2013-15) in Croatia and Tunisia, Plan Bleu experts are applying a **participatory foresight method to help elaborating two Coastal Plans in Morocco and Montenegro**, through a series of workshops. This approach targets the challenges raised by human overexploitation and climate change impact in coastal areas. Called Climagine, the method's goal is to create all-level stakeholders' engagement in the targeted zones.

Day: 12/11/2022

Time: 11:15 - 12:15 h

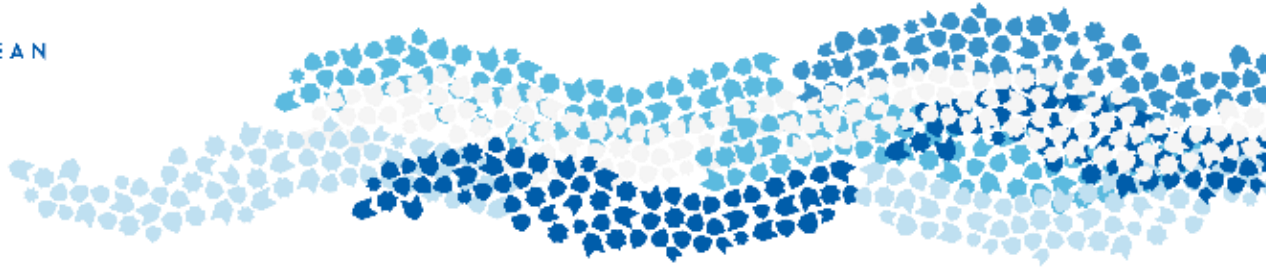
More info [here](#).

Stories

Coming soon: three MedECC Special Reports

Spokepersons: Fatima Driouech and Joël Guiot – Coordinators, MedECC (Mediterranean Experts on Climate and environmental Change)

Contact: +212 6 61 47 23 52 / driouechfatima@yahoo.fr; +33 6 22 91 18 44 / guiot@cerege.fr



The MedECC is an open and independent network of scientists, founded in 2015. It assesses available knowledge on climate change in the Mediterranean, to make this information accessible to decision-makers and citizens. Following the publication of MedECC's First Mediterranean Assessment Report in 2020, important issues have emerged: thus, **MedECC currently prepares three Special Reports on 1) climate and environmental coastal risks, 2) climate-water-energy-food-ecosystems nexus, and 3) environmental change, conflicts and human migration**, all in the Mediterranean. Teams of volunteer scientists are developing these reports, **aiming to publish them at the end of 2023**. The goal is to **sustain a good quality of life in the Mediterranean, supporting policymakers** in their decisions process: each report will include a summary for them, highlighting key findings and non-prescriptive policy options.

MedECC is supported by several organizations, mainly Plan Bleu, the Mediterranean Action Plan of the United Nations Environment Programme (UNEP/MAP) and the Union for the Mediterranean (UfM).

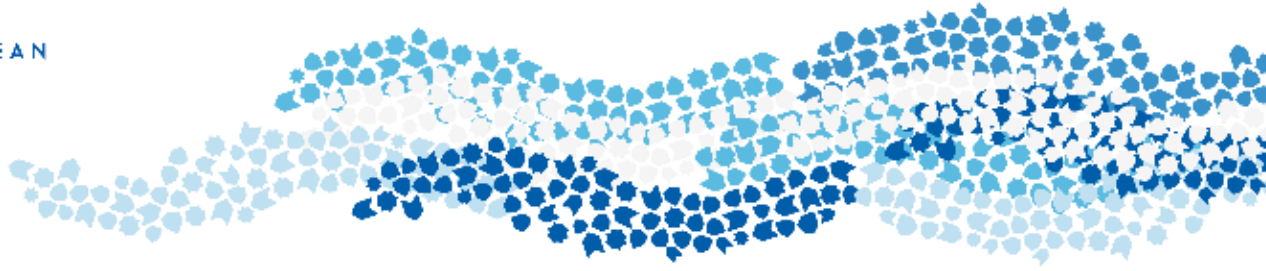
The CIHEAM, the FAO, and the UfM join forces to boost progress for more sustainable agri-food systems in the Mediterranean

Spokesperson: Plácido Plaza López, the Secretary General of the CIHEAM

Contact: sg.plaza@ciheam.org

As in many parts of the world, **food systems across the Mediterranean are the main drivers of environmental degradation**, and they are **failing to provide decent livelihoods** for large parts of the population in a context of increasing disparities and the advent of climate breakdown. These unprecedented challenges are complex and deeply interrelated. Food systems, therefore, require systemic and dynamic solutions that go beyond single disciplinary approaches to actively engage the voices of all relevant stakeholders. Countries are indeed endowed with **a common precious heritage, such as the Mediterranean diet**, which constitutes a powerful lever for bridging food consumption and production to accelerate food systems transformation in the whole region.

For these reasons in 2021, the CIHEAM, the FAO, and the UfM signed a [Memorandum of Understanding](#). The three organizations have joined forces with the Partnership for Research and Innovation in the Mediterranean Area (PRIMA) in developing the “SFS-MED Platform”, an initiative for sustainable food systems in the Mediterranean that aims at promoting dialogue and collaboration among Mediterranean countries in their food system transformation efforts. This initiative aims to **foster the sense of community needed to engage countries and stakeholders across the Mediterranean**, providing a space for multi-stakeholder exchange, and promoting flagship projects, investments, and regional cooperation on data sharing, science diplomacy, and innovation. As part of this effort, they published an **inventory of common challenges, priorities, and opportunities** specific to the Mediterranean context. More info [here](#).



Med-AMIN: An experts' network to monitor the cereal supply chain in the Mediterranean

Spokespersons: David Gasc (gasc@iamm.fr), Elen Lemaitre-Curri (lemaitre-curri@iamm.fr), Thierry Dupeuble (thierry.dupeuble@iamm.fr)

Contact: Thierry Dupeuble (thierry.dupeuble@iamm.fr)

The energy crisis, and more recently the invasion of Ukraine, have driven up agricultural commodity prices globally. **The Mediterranean region is one of the most vulnerable to systemic shocks** and, therefore, it is necessary to create room to discuss **possible ways forward for agricultural markets**. MED-Amin, the Mediterranean Agricultural Market Information Network, is a successful experience of collaboration between the two shores of the Mediterranean. It provides solutions for market transparency and dialogue and offers the opportunity for experts and decision-makers of the Mediterranean region to debate current issues affecting food systems and food security and imagine joint solutions. MED-Amin is conceived as a **monitoring network for the Mediterranean markets of four kinds of cereal** (soft and hard wheat, barley, maize, and rice). It was created in 2014 at the request of the agriculture ministers of the 13 member countries of the International Centre for Advanced Mediterranean Agronomic Studies (CIHEAM). It has its origins in the **global food crisis that began in 2008 with an unusual rise in world prices for basic foodstuffs**, particularly cereals. The next Med-AMIN Meeting, organized by CIHEAM Montpellier, will take place on **22-23 November 2022** in CIHEAM Zaragoza and will address the following question “Which Information Systems to Support Food Security in the Mediterranean and Face New Challenges?”

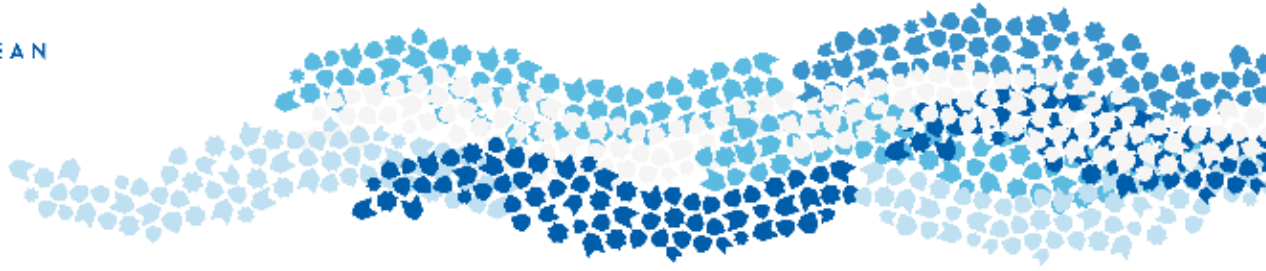
More info [here](#).

From grape waste to anti-aging creams

Spokesperson: Prof. Gianluigi Bacchetta - Center for Biodiversity Conservation (CCB), University of Cagliari

Contact: M: +39 388 844 4861 / bacchet@gmail.com / bacchet@unica.it

Can wine-litter become a resource, and eventually be turned into cosmetics? An EU-funded project is working to make it happen, with the final goal to **create work opportunities in countries stricken by economic crises**. It is called BESTMEDGRAPE (“New Business opportunities & Environmental suSTainability using MED GRAPE nanotechnological products”), and it’s a project implemented by Italy, Tunisia, France, Lebanon and Jordan, under the Mediterranean Sea Basin ENI CBC Programme. In this area of the world, **grapes have been a prosperous crop for millennia**, but people working in the sector have



generally been focused on improving the quality of wine. Now **the challenge is to make the most out of grape-by products.**

More info [here](#).

Supporting a green transition in the fashion and textile industry

Spokesperson: Rubén Escobar - Communications Officer, MedWaves, the UNEP/MAP Regional Activity Centre for SCP (former SCP/RAC)

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Making a single cotton t-shirt requires an estimated 2.700 liters of fresh water, enough to meet one person's drinking needs for 2.5 years. Responsible for over 10% of global greenhouse gas emissions, the fashion and textile industry has yet to **make its green revolution to minimize the negative environmental impact** along the production and consumption lifecycle.

In order to support the green transition in the fashion and textile sector, the STAND Up! Project ("Sustainable Textile Action for Networking and Development of circular economy business ventures in the Mediterranean"), is **supporting 400 fashion designers** and entrepreneurs across Spain, Italy, Tunisia, Lebanon and Egypt to adopt green and circular business models that foster low-environmental production. From the production of totally natural **leather made out of ananas**, the upcycling of leftovers to make new textiles and recycle them in new designs, to the use of **digital manufacturing techniques such as 3D printing** with the aim of creating sustainable fashion, the project is supporting so may initiatives that bolster sustainable solutions to reduce the environmental impact of the textile manufacturing and clothing industry.

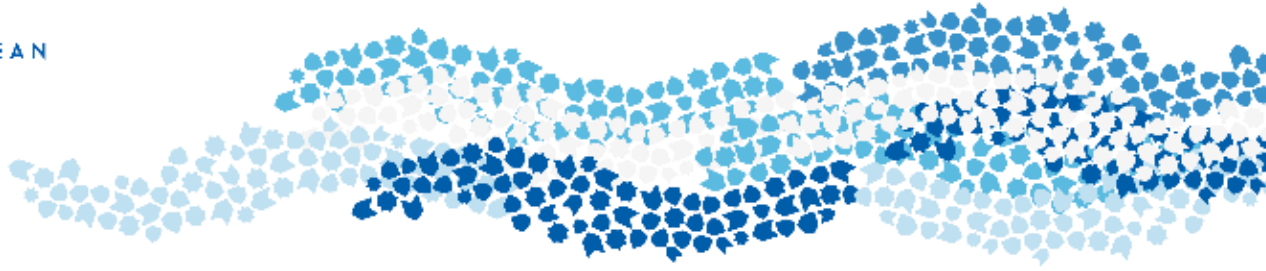
More info [here](#).

Making university buildings more energy-efficient

Spokesperson: Souha Ferchichi - PhD in Solar thermal Energy, Junior expert at Mediterranean Renewable Energy Centre (MEDREC), Tunis

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Low energy educational buildings are becoming the standard in European and Mediterranean countries due to skyrocketing energy bills and the need to deliver on net-zero emissions. Technical solutions are



continuously developed by universities for eco-sustainable building renovation, but there is still a gap between designed models and their actual application. This is due to several barriers, such as the insufficient collaboration between key actors and the lack of efficient suitable tools from the public sector to develop solutions. The Med-EcoSuRe project (“Mediterranean University as Catalyst for Eco-Sustainable Renovation”) offers **an innovative approach to the definition and diffusion of cost-effective energy renovation within university buildings, with the perspective of extending results to the whole public buildings sector** in the long term. In particular, **energy retrofitting schemes have been implemented in 9 university buildings in Tunisia, Italy, Spain, Palestine**. The final aim behind the project is to turn university managers into active players contributing to the co-creation and experimentation of emerging ideas, breakthrough scenarios and innovative concepts.

More info [here](#).

For greater recognition of women in Mediterranean agri-food systems

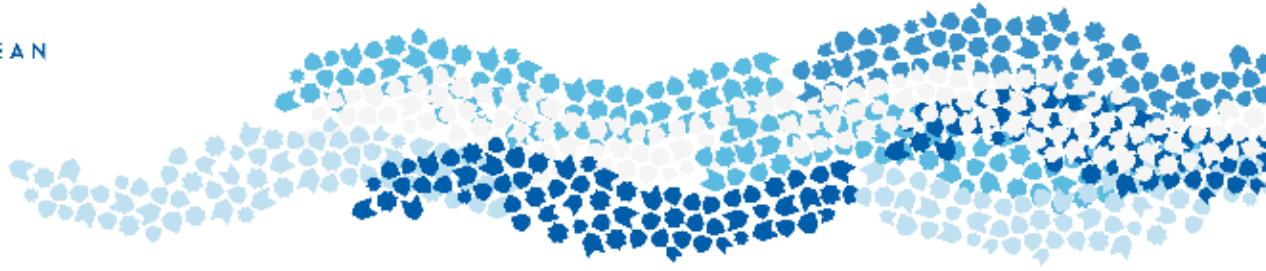
Spokesperson: Yasmine Seghirate El Guerrab

Contact: seghirate@ciheam.org

Despite normative reforms and societal changes in favor of women's empowerment, they still face persistent constraints that limit their formal socio-economic participation and their involvement in decision-making processes. These situations of inequality or invisibility, especially in already fragile areas, make them more vulnerable to crises. Indeed, **crises are currently affecting women and girls disproportionately** due to their **work in informal employment or vulnerable sectors, such as family farming**.

Beyond being an issue in terms of equal opportunities, the socio-economic exclusion, and the lack of participation of women in public/communities decision-making processes lead to a considerable waste of potential and human capital. They also lead to significant **losses in terms of development and sustainable economic growth** in areas faced with poverty, the negative impacts of climate change, and the scarcity of natural resources. With the aim of contributing to a better understanding of these issues, the CIHEAM published a non-exhaustive [assessment of the situation of Mediterranean women](#) highlighting specificities in the agricultural sector and rural areas and presenting the main instruments and levers that can be mobilized for more equality and inclusion.

The CIHEAM gives prominence to issues of **capacity building and empowerment of women in agriculture, fisheries and more generally in rural and coastal Mediterranean areas**. It supports women by contributing to **strengthening the place of women in science** by supporting female students and researchers in Gender



Studies, to **jobs creation and employment** by developing capacity-building activities for future professions in the green economy and agriculture, blue economy, and fishing and to **governance and participation** by supporting women decision-making at local/national/regional levels and by raising awareness and policy dialogue. More info [here](#).

Water, an endless renewable resource

Spokesperson: Barbara Sarnari - Project Manager, Vice-president SVI.MED. - EuroMediterranean Center for the Sustainable Development (Ragusa, Italy)

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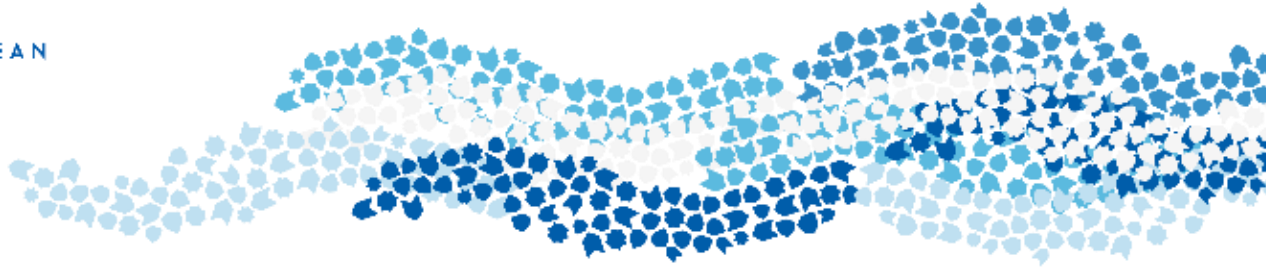
In Mediterranean countries, domestic water use accounts for a minor part of water consumption - a much larger quantity is used for irrigation - but it requires the best quality and its demand is continuously growing, along with improving lifestyle and increasing urban population. Moreover, **urban water is still the main cause of pollution of rivers and groundwater**, even when treated before being discharged. Per capita **domestic water use can be drastically reduced by using non-conventional water resources** for not potable purposes: greywater (and rainwater when available) can be reused for WC flushing and irrigation but requires the implementation of decentralised treatment systems, serving one or a few buildings. NAWAMED (“Nature Based Solutions for Domestic Water Reuse in Mediterranean Countries”) aims at **changing the urban water management practice by mean of innovative, sustainable, and low-cost treatment technologies**, applicable in a decentralised way.

Started in 2019, the project works to demonstrate the technical and economic feasibility of nature-based and low-cost solutions, such as living green walls, to treat non-conventional water resources in **schools, universities, public facilities and in a refugee camp** in Italy, Jordan, Lebanon, Tunisia. A total **8 real scale pilot installations** for greywater/rainwater treatment and reuse including **living green walls** (vertical vegetation set up on building façades) and constructed wetlands is under construction or have been constructed, allowing for a 30% reduction in water consumption at pilot sites level.

More info [here](#).

Recovering demolition waste for road construction

Spokesperson: Oumaya MARZOUK - Director of Circular Economy Projects Center for studies and expertise on risks, environment, mobility and development (CEREMA), France



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The RE-MED project is a collaborative project between French, Italian, Tunisian, and Lebanese partners aiming to test the processes of recovery of construction and demolition wastes and their use in the construction and maintenance of roads. Coordinated by a French public agency for developing public expertise in the fields of urban planning, regional cohesion, and ecological and energy transition, the project titled “Application of innovation for the development of circular economy for sustainable construction in the Mediterranean” will increase the use of recycled aggregates in road construction to reach **20 percent reuse on construction sites** and to **create a new market for wastes**. A normative framework will first be built to define the characteristics of the different recycled aggregates, their treatment, and the tests to be carried out, and **a circular economy sector dedicated to the recovery of construction waste will be established**. The objective is to test and transfer technologies between partner countries. The project outcomes will result in **reducing the environmental impacts of construction, as well as introducing new job opportunities** to the market.

More info [here](#).

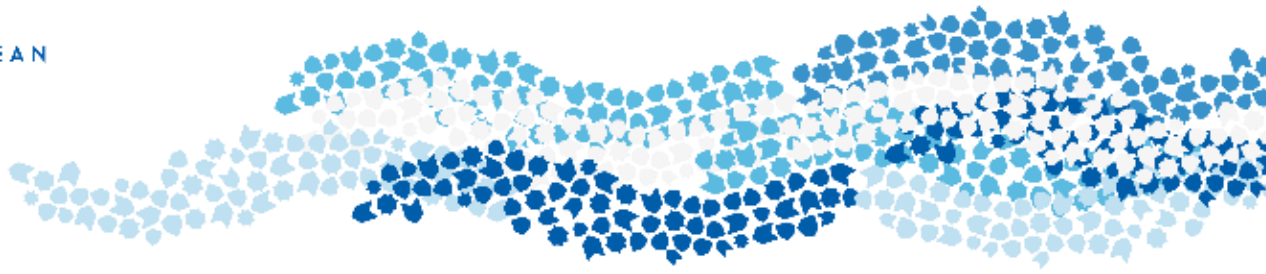
Facing climate change, help small farmers to make better use of water resources and move towards more productive and resilient farm systems

Spokesperson: Dr. Hatem Belhouchette, Scientific administrator of the CIHEAM Institute of Montpellier; Dr. Mélanie Requier-Desjardins, Scientific administrator of the CIHEAM Institute of Montpellier; Thierry Dupeuble, Director of the CIHEAM Institute of Montpellier

Contact: Thierry Dupeuble (thierry.dupeuble@iamm.fr)

In the MENA region, as in many regions in the world, **small farmers are facing climate change and access to water resources is an issue**. In some places, small collectors have been built up, in order to secure irrigation. It is crucial to make the best use possible of these water resources, to ensure a higher level of production and a greater income for farmers’ families.

CIHEAM Montpellier has been working on this issue for years and has developed strong experience in farm system design that enables to propose new pathways for **farmers to move towards more productive and resilient systems**, with full respect for natural resources. CIHEAM Montpellier is currently running a project both in the Beqaa valley in Lebanon and in the Luxor governorate in Egypt.



More info [here](#).

A new project on Blue Economy at ECOMONDO 2023

Spokespersons: Alessandra Astolfi and Fabio Fava - ECOMONDO & Italian Exhibition Group

Contact: +39 349 300 02 74 / alessandra.astolfi@iegexpo.it ; +39 328 23 94 251 / f.fava@unibo.it

The Blue Economy involves all main economic activities connected with the sustainable exploitation of the hydrosphere and the coasts resources. They are evolving rapidly; diversification and modernization, pollution and excessive fishing are all factors impacting on the sector, together with the effect of climate change. It is crucial that we act now in order to reduce the environmental impact of fishing, aquaculture, costal tourism, maritime transport, port areas activities and naval construction, implementing at the same time a more accurate and circular waste management at the coastal areas. These are topics on which Ecomondo, the second largest EU exhibition in the field of circular and green economy, has been working for the past 25 years.

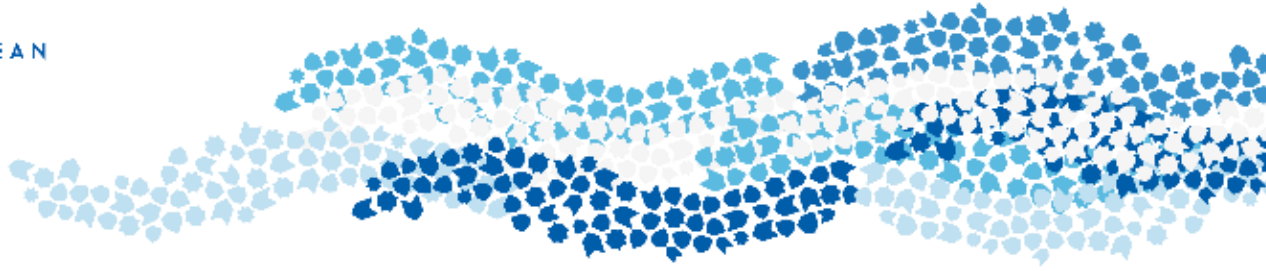
In 2023, Italian Exhibition Group with ECOMONDO will widen its focus on Blue Economy by planning additional dedicated international events and a tailored exhibiting area where national and international operators and stakeholders will be hosted.

MedECC scientists join hands to provide the synthesis of knowledge on climate and environmental change in the Mediterranean

Spokespersons: Fatima Driouech and Joël Guiot - Coordinators, MedECC (Mediterranean Experts on Climate and environmental Change)

Contact: +212 6 61 47 23 52 / driouechfatima@yahoo.fr ; +33 6 22 91 18 44 / guiot@cerege.fr

Almost two hundred scientists from the MedECC network have **assessed more than 3800 scientific literature pieces about climate change-related risks**, producing the First Mediterranean Assessment Report as a result. **The Council of Europe awarded the North-South Prize 2020** to this work. During the 22nd meeting of the Contracting Parties to the Barcelona Convention COP 22 in December 2021 (Antalya, Turkey), the Contracting Parties endorsed the Summary for Policymakers of the report. During the 2nd UfM Ministerial Conference on Environment and Climate Action in October 2021 (Cairo, Egypt), the 42 ministers recognized, in their declaration, the Summary as an important contribution of the scientific community to future climate and environmental actions in the Mediterranean region.



MED 2050, a unique foresight exercise in the Mediterranean basin

Spokesperson: Lina TODE (ltode@planbleu.org), Plan Bleu

Contact: Pauline SIMON (psimon@planbleu.org)

What can we do when facing pessimistic scenarios that seem inevitable, **before finding possible solutions**? It is through this prism that MED 2050 has been operating since 2019, providing **foresight of the Mediterranean region by 2050 to ensure protection of its marine ecosystem**.

The Plan Bleu experts offer a **participatory project** that includes the analysis of the Mediterranean system to determine the environmental issues and trends; sharing visions of the future of the Mediterranean with civil society and decision-makers (with an emphasis on the **vision of young people**); designing forward-looking scenarios, from worst-case to most optimistic; co-constructing transition paths to guide decision-making towards realistic solutions.

More info [here](#).

CASAdapt: a dialogue for the adaptation to climate change

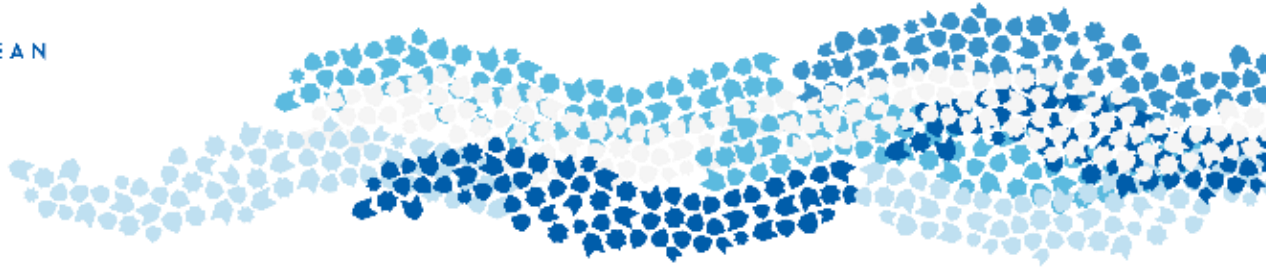
Spokesperson: Michael Karner (mkarner@planbleu.org), Plan Bleu

Contact: Pauline SIMON (psimon@planbleu.org)Plan Bleu

Launched in February 2022 for a three-year period, CASAdapt aims to **facilitate a territorial dialogue on climate change in the Mediterranean coastline**, by focusing on the challenges and adaptation solutions that could be implemented on the scale of the Communauté d'Agglomération de Sophia-Antipolis. The goal is to **create relationships between the scientific and political communities while including associations and inhabitants**. Once this bridge is created, the project seeks to identify transition trajectories towards a resilient coastline, which could then be translated into local standards and urban planning documents. In a more global approach, the project's ambition is to design a participative foresight methodology that can be replicated in other territories of the Mediterranean basin.

More info [here](#).

Climagine: a participatory foresight methodology for integrated coastal zone management



Spokesperson: Michael Karner (mkarner@planbleu.org), Plan Bleu

Contact: Pauline SIMON (psimon@planbleu.org)

Based on previous experiences (2013-15) in Croatia and Tunisia, Plan Bleu experts are applying a **participatory foresight method to help elaborating two Coastal Plans** in Morocco and Montenegro, through a series of workshops. This approach targets the challenges raised by human overexploitation and climate change impact in coastal areas, where resources and ecosystems are being threatened. Called Climagine, the method's goal is to create all-level stakeholders' engagement in the targeted zones. Together, actors agree on key challenges these areas face to imagine a more ecological and inclusive development.

More info [here](#).

For sustainable agricultural and food systems: the call of young Mediterraneans

Spokeperson: Thierry Dupeuble, Director of the CIHEAM Institute of Montpellier

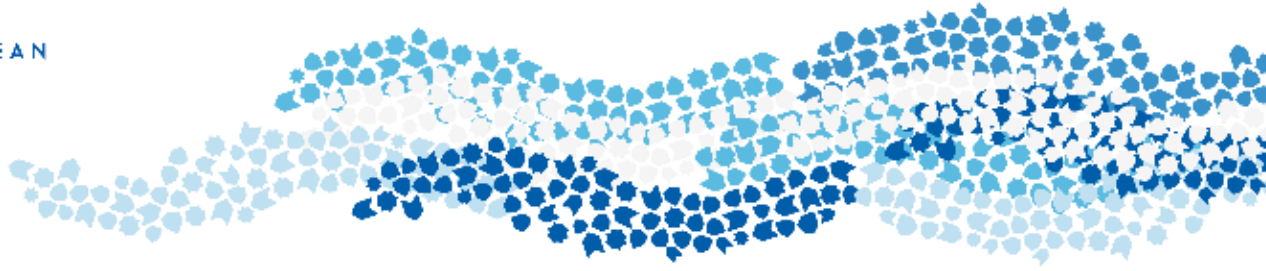
Contact: thierry.dupeuble@iamm.fr

As part of the celebrations for this 60th anniversary, on 29 and 30 November, the CIHEAM is organizing in Montpellier **two days of discussion on the contribution of Mediterranean youth** to the following challenges: Sustainable and economic management of resources, in a context of climate change; the reduction of inequalities (North/South, Women/Men, Urban/Rural, Coast/Inland); inclusive governance of young people and women; promising jobs for young people, including in rural areas; healthy and balanced diets.

The objective of the meeting is to succeed in **drafting a paper including proposals for the rural world of 2050**, including agricultural model(s), training, research, and mechanisms for regional cooperation and solidarity. About thirty Mediterranean young people have been working together since July to develop these proposals. They will be presented on **29 and 30 November** in Montpellier and shared with key witnesses from the Mediterranean world, and a group of politicians and scientists.

More info [here](#).

Spokespeople



Name & Surname: Roberto Raimondi

Organisation: Managing Authority – ENI CBC Med Programme hosted by the Autonomous Region of Sardinia

Role/Position: Director-General

Languages spoken: Italian, English

Contact: raimondi@regione.sardegna.it
+39 340 653 0776

Biography:

After a university degree in International Communications at the University of Perugia (Italy) and a master’s degree in economics at the LUISS University ‘School of Government’ of Rome, Mr. Raimondi has gained an experience of over 15 years in the private sector as director-general of different companies in Italy, the Balkans and in the South-East Asia region. Mr. Raimondi has been appointed as professor in political economy at the University of Tirana (Albania), and more recently, at the UNILINK University of Rome with a course on economics of knowledge.

In his position as Director-General, Mr. Raimondi coordinates, manages, and supervises the overall implementation of the [ENI CBC Med](#) Programme including among other duties the relations with the participating countries and the European Commission, the representation of the Programme in conferences and events, and the chairmanship of the Joint Monitoring Committee – the decision-making body of the ENI CBC Med Programme.



Name & Surname: Martin Heibel

Organisation: Managing Authority – ENI CBC Med Programme hosted by the Autonomous Region of Sardinia

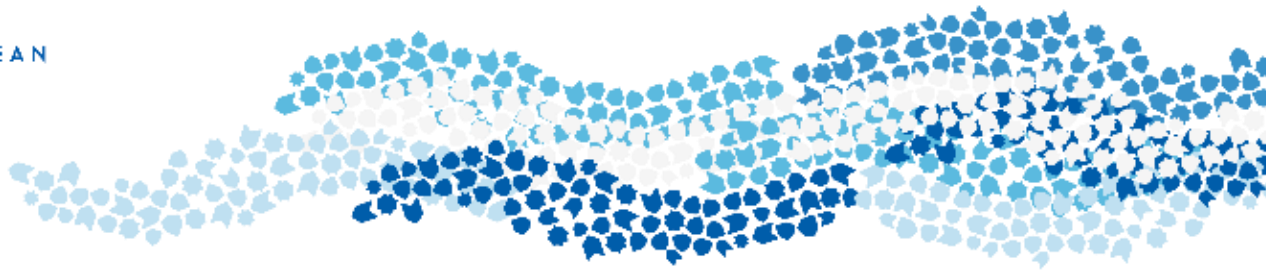
Role/Position: Communication manager

Languages spoken: Italian, English, French

Contact: mheibel@regione.sardegna.it
+39 340 0585 037

Biography:

Martin Heibel has over 15 years of experience in the fields of communication and public relations of EU-funded cooperation programmes and projects, especially those implemented across the Mediterranean area. Mr. Heibel holds a B.A in Political Sciences and an M.A. in European Affairs from *Sciences-Po* Strasbourg as well as a M.Sc. in Space Studies from the International Space University.



Martin Heibel is currently the communication manager of [ENI CBC Med](#) programme. the largest EU-funded cross-border cooperation in the Mediterranean region.



Name & Surname: Dr. Richard Engelen
Organisation: ECMWF
Role/Position: Deputy Director of the Copernicus Atmosphere Monitoring Service (CAMS)
Languages spoken: Dutch, English
Contact: Nuria.Lopez@ecmwf.int [press lead/liaison – please keep in copy]
Richard.Engelen@ecmwf.int

Biography:

Richard Engelen is Deputy Director of the Copernicus Atmosphere Monitoring Service (CAMS) at ECMWF. He also leads the CAMS Development section in the Copernicus Department. Richard has a scientific background in satellite remote sensing and data assimilation of atmospheric composition. He has more than 15 years of experience in developing and operating operational forecast services for atmospheric composition and air quality. Richard is or has been a member of various satellite Mission Advisory Groups, national and international review panels, and expert panels advising the European Commission.

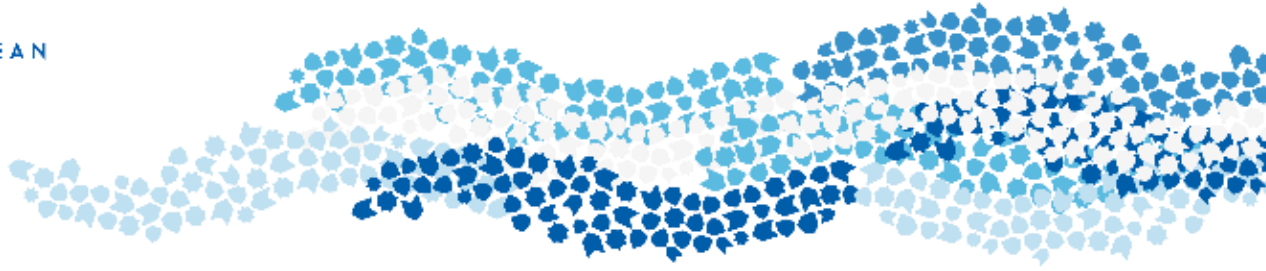
More info about the Copernicus [here](#).



Name & Surname: Dr. Carlo Buontempo
Organisation: ECMWF
Role/Position: Director, Copernicus Climate Change Service
Languages spoken: Italian, English, Spanish
Contact: Nuria.Lopez@ecmwf.int [press lead/liaison – please keep in copy]
Carlo.buontempo@ecmwf.int

Biography:

Dr. Carlo Buontempo is Director of the Copernicus Climate Change Service (C3S) at ECMWF. C3S supports adaptation and mitigation policies and action by providing consistent and authoritative information about climate change, providing free and open access to climate data and tools based on the best available science.



Before becoming Director of C3S, Carlo developed the C3S sectoral information system, helping businesses and policymakers in sectors like finance, water, energy, agriculture and health, with customised and up-to-date environmental data services.

Carlo completed a PhD in physics at University of L'Aquila in 2004 before moving to Canada for his post-doc and then joining the UK Met Office. Carlo worked at the Hadley Centre for Climate Science and Services for almost a decade where he led the climate adaptation team and the climate service development team. In this role he led numerous projects involving climate change adaptation and regional modelling in Europe, Africa, Asia and North America.

More info about the Copernicus [here](#).

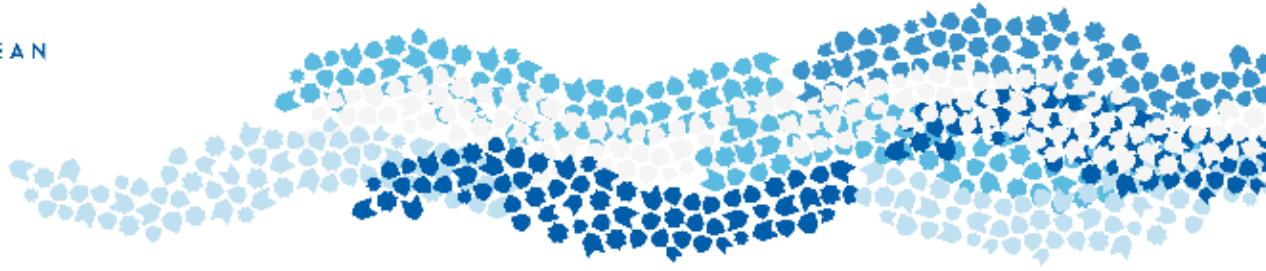


Name & Surname: Stijn Vermoote
Organisation: ECMWF
Role/Position: Head of the User Outreach and Engagement Section
Languages spoken: Flemish, English,
Nuria.Lopez@ecmwf.int [press lead/liaison – please keep in copy]
Contact: Stijn.Vermoote@ecmwf.int

Biography:

Stijn Vermoote, a Belgian national, is the Head of the User Outreach and Engagement Section at ECMWF. He joined ECMWF in 2015 and since 2020, he is leading ECMWF's section on user outreach and engagement at the service of its user communities within ECMWF Member and Co-operating States, WMO and other UN bodies, the EU institutions and its Member States. The Section unites ECMWF resources to maintain and increase user uptake, satisfaction and experience, to explore partnerships and opportunities to unlock new potential applications and to provide training and knowledge transfer with the ultimate objective to support ECMWF strategic objectives to enhance impact of its core Near Weather Prediction, Copernicus and Destination Earth activities.

He holds a MSc degree in Environmental Engineering (University of Leuven) and a MSc degree in Management Sciences (University of Namur). Stijn worked for seven years as Research Programme



Officer at the European Commission within the Climate and Environmental Risks and Space research programmes and contributed to the preparation and implementation of the Copernicus Programme since 2010.

More info about the Copernicus [here](#).



Name & Surname: Dr Piero LIONELLO

Organisation: MedECC; University of Salento, Italy
Member of MedECC Steering Committee
Coordinator of the MedECC Special Report on coastal risks

Role/Position: Coordinating Lead Author of the First Mediterranean Assessment Report (MAR1)
Chairman of the MedCLIVAR network

Languages spoken: Italian, English

Contact: piero.lionello@unisalento.it
+39 348 78 30 945

Biography:

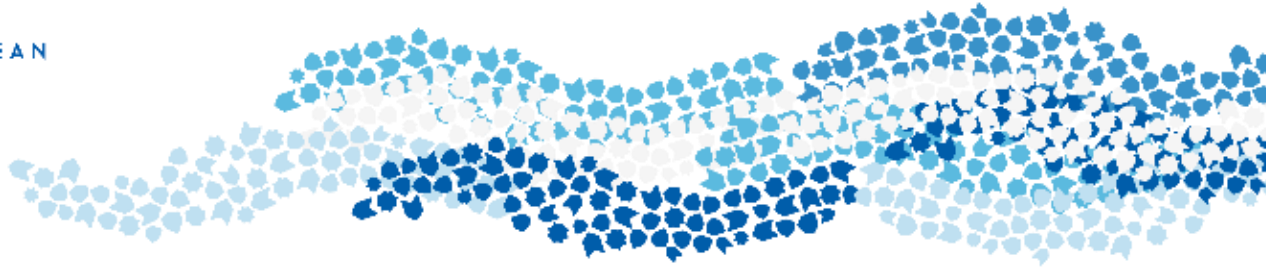
Piero Lionello is full professor of Oceanography and Atmospheric Science at the University of Salento, Lecce (Italy). He is a climatologist with a focus on the climate of the Mediterranean Region, its past and future evolution, impacts of climate change and extreme events. He is the chairman of the MedCLIVAR (Mediterranean CLimate VARIability) network, and has been member of the Scientific Advisory Board of ECMWF (European Center for Medium Range Weather Forecast) and chairman of the International Scientific Steering Committee of the HyMeX project (Hydrological cycle in the Mediterranean eXperiment). He has edited three books on the Climate of the Mediterranean Region, several special issues of international scientific journals, and organized many conferences and meetings on related topics. **He will be present at the COP27 on 12th November.**

More information [here](#).

Name & Surname: Dr Nathalie HILMI

Organisation: MedECC; Centre Scientifique de Monaco
Coordinating Lead Author of MedECC Special Report on coastal risks

Role/Position: Lead Author of the First Mediterranean Assessment Report (MAR1)



Languages spoken: French, English

Contact: hilmi@centrescientifique.mc
+ 33 67 97 01 570 (preference to communicate by WhatsApp)

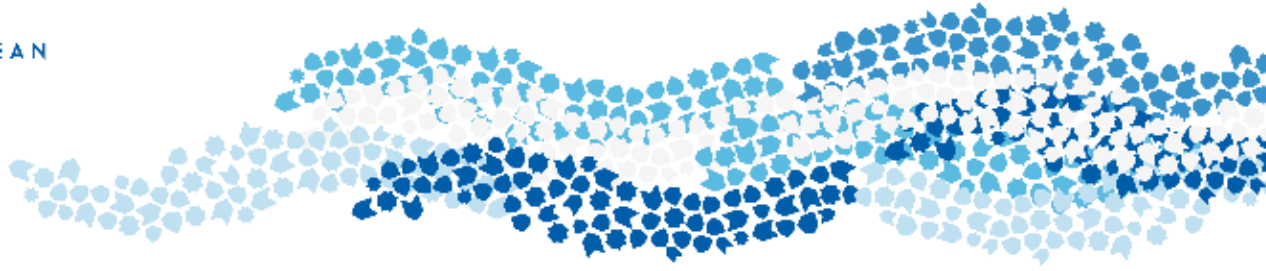
Biography:

Dr Nathalie Hilmi is an expert in Macroeconomics and International Finance. In 2010, she joined the [Centre Scientifique de Monaco](#) as head of the section « environmental economics » and collaborated with IAEA's Environment Laboratories to initiate correlation studies between environmental sciences and economics to better evaluate the socioeconomic extent of impacts and costs of action versus inaction with regard to carbon emissions. She works on Sustainable development in a multidisciplinary spirit. She is lead author for IPCC Special Report on the Ocean and Cryosphere in a Changing Climate (SROCC) and IPCC main report AR6 WGII.

Dr Hilmi will be present at the COP27 from 6th to 19th November.



Name & Surname: Dr Joël GUIOT
Organisation: MedECC; CNRS, France
Role/Position: MedECC Coordinator
Languages spoken: French, English
Contact: guiot@cerege.fr
+33 6 22 91 18 44



Biography:

Dr Joël Guiot is emeritus CNRS senior scientist in the Centre in Environmental Geosciences (CEREGE, Aix-Marseille University, France). His main research is in paleoclimatology and on study of impact of past, present and future climatic changes on Mediterranean ecosystems. He was the director of the Laboratory of Excellence OT-Med on the risks related to climate change and natural hazards in the Mediterranean Basin. He was a lead author for the IPCC special report on the impact of a 1.5°C global warming (2018). He is one of the coordinators of the MedECC network. Dr Guiot will not be present at the COP27; he is available for interviews by phone and mail.



Name & Surname: Dr Fatima Driouech

Organisation: MedECC; University Mohammed VI Polytechnic, Morocco

Role/Position: MedECC Coordinator

Languages spoken: Arabic, French, English

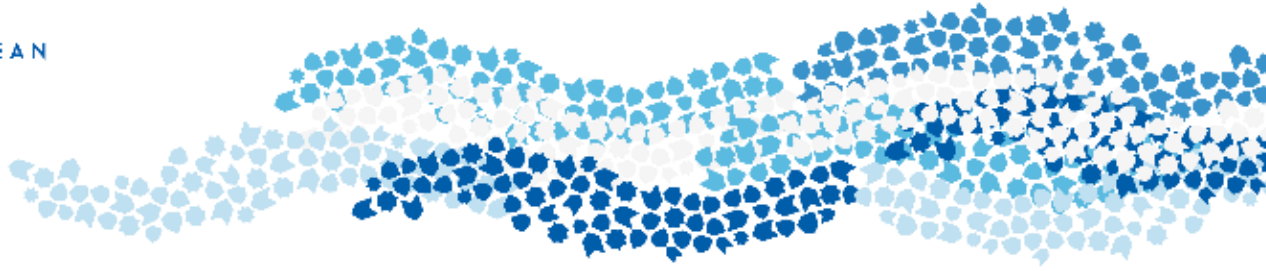
Contact: driouechfatima@yahoo.fr
+212 6 61 47 23 52

Biography:

Dr Fatima Driouech is an associate professor at the University Mohammed VI Polytechnic. She received a PhD in sciences of the universe, environment, and land surfaces from the Polytechnic Institute of Toulouse and her Engineer diploma from the National School of Meteorology, France. Before joining the University, she has been leading the National Meteorological Research Center at the Moroccan General Directorate of Meteorology then the National Climate Centre. Dr Fatima Driouech is Vice-Chair of Working Group I of the IPCC and was a lead author of the fifth IPCC report. She is a member of the management group of the WMO Commission for Services and Applications, and Co-chair of its Standing Committee on Climate Services. She is one of the coordinators of the MedECC network. Dr Driouech will not be present at the COP27; she is available for interviews by phone and mail.

Name & Surname: Dr Harris Eyre

Organisation: EMEA



Role/Position: Advisory Board

Languages spoken: English

Contact: Harris.eyre@gmail.com
+34 93 44 62 414

Biography:

Originally from rural Australia, Harris Eyre MD PhD is a global physician-executive and neuroscientist focused on advancing the field of brain capital. He leads Brain Capital Alliance and co-leads the OECD Neuroscience-inspired Policy Initiative. He is a Fellow with the Baker Institute for Public Policy and Senior Fellow with the Meadows Mental Health Policy Initiative. He is an advisor to EMEA and the Texas Medical Center Innovation Institute.



Name & Surname: Ralph Chami

Organisation: EMEA

Role/Position: Advisory Board

Languages spoken: Arabic, Aramaic, English, French

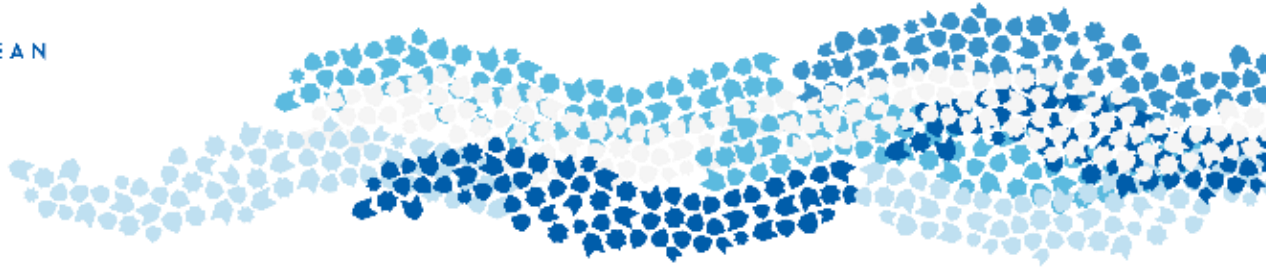
Contact: Rchamimusic@gmail.com
+120 24 60 74 99

Biography:

Dr Ralph Chami is an Assistant Director at the IMF. He is currently on sabbatical from the IMF working on tackling the two risks to humanity – climate change and biodiversity loss. He has developed a model for valuing natural capital and a framework for developing natural capital markets for ecosystem services. He is an expert on fragile and LMICs, and is co-founder of Blue Green World and Rebalance Earth.

Name & Surname: Rym Ayadi

Organisation: EMEA



Role/Position: President and Founder

Languages spoken: English, Spanish, French

Contact: rymayadi9@gmail.com
+34 93 44 62 414

Biography:

Professor Rym Ayadi is Founder and President of the Euro-Mediterranean Economists Association (EMEA), a Barcelona based regional Think Tank that serves as a leading independent and innovative policy research institution. She is Professor at the Bayes Business School of City University of London, Senior Advisor at the Centre for European Policy Studies (CEPS) and Associated Scholar at the Centre for Relationship Banking and Economics (CERBE) at LUMSA University in Rome.



Name & Surname: François Guerquin

Organisation: Plan Bleu

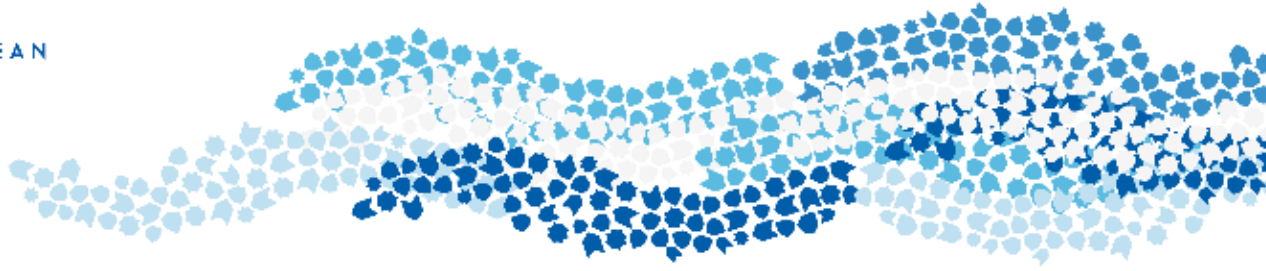
Role/Position: Director

Languages spoken: French, English

Contact: fguerquin@planbleu.org
+33 7 86 38 17 20

Biography:

Since June 2020, François Guerquin is the new Director of Plan Bleu, activity center for environment and development in Mediterranean. Guerquin graduated from the French Polytechnic School, and the European Institute of Business Administration (INSEAD). Earlier in his career, he was the Director of International relations at the “Eaux de Marseille” Group. He was then appointed Executive Secretary of the United Nations Secretary-General’s Advisory Board on Water and Sanitation (UNSGAB), before becoming the Science-Policy Director of the Wetlands Ramsar Convention. Mr François Guerquin has extensive experience on water, biodiversity and sustainable development at international level.



Name & Surname: Coline Mias
Organisation: Plan Bleu
Role/Position: Project manager, Coastal adaptation to climate change
Languages spoken: French, english, spanish, arabic
Contact: cmias@planbleu.org
+33 6 82 23 85 45

Biography:

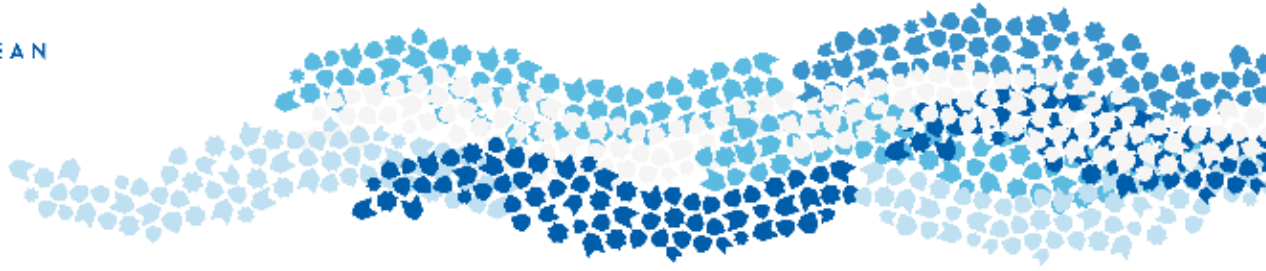
Coline Mias hold a PhD in political science (Institute of Political Studies, Aix-en-Provence) and she specialized in local public action, public concertation, regional planning and climate change. She is currently project manager at Plan Bleu, where she is leading a project dedicated to the adaptation of Sophia Antipolis agglomeration (south of France) coastline to climate change. In parallel, Coline coordinates a booklet on social representations of climate change in the Provence-Alpes-Côte d'Azur Region for GREC SUD (a regional group of climate experts).



Name & Surname: Céline Dubreuil
Organisation: Plan Bleu
Role/Position: Programme Director
Languages spoken: French, English
Contact: cdubreuil@planbleu.org
+33 6 43 08 30 15

Biography:

Céline Dubreuil holds a PhD in oceanography and a master's degree in Environmental policy and Decision making. She has been working in the field of sustainable development for 20 years. After 8 years at the World Water Council dedicated to international water policy, Céline joined Plan Bleu as a Water and Climate Change program officer to develop and implement the multi-year Water Strategy (2013-2015). Since 2016, her activities have shifted to marine issues, focusing on the management and coordination of Blue Economy projects in the Mediterranean region. Céline has a strong expertise on multilateral environmental processes and on the governance of the Mediterranean Sea. Céline was



appointed Program Director in 2021 and, in this capacity, she is responsible for developing and implementing the different components of the Plan Bleu's program of activities, setting up new projects, responding to calls for proposals, seeking funding and establishing partnerships.



Name & Surname: Roula Majdalani

Organisation: MedECC; ICARDA-One CGIAR, Lebanon

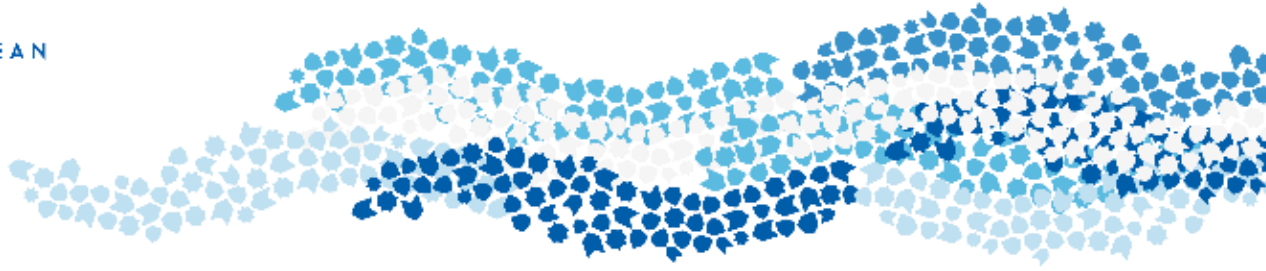
Role/Position: Coordinating Lead Author of the MedECC Special Report on environmental change, conflict and human migration

Languages spoken: Arabic, English, French

Contact: R.Majdalani@cgiar.org
+961 34 08 864

Biography:

Roula Majdalani is the climate change advisor of the International Center for Agricultural Research in the Dry Areas (ICARDA). She is the former cluster leader on climate change and natural resources sustainability and the former director of the Sustainable Development Policies Division at the United Nations Economic and Social Commission for Western Asia (ESCWA). Ms. Majdalani joined ESCWA in 1989 and has served as a Human Settlements Officer, First Economic Affairs Officer on water resources, and Chief of the Technical Cooperation Section. Ms. Majdalani holds a master's degree in Urban and Regional Planning from Syracuse University and previously worked with Dar Al-Handasah Consultants (London). She has publications on the green economy and integrated management of water resources, housing development and sustainable cities. She lectured on these topics in scientific, regional and international forums.



Name & Surname: Francesca Marcato

Organisation: Interreg Med Programme
(Managing Authority/Joint Secretariat hosted by PACA Region)

Role/Position: Project Officer

Languages spoken: Italian, French, English

Contact: fmarcato@maregionsud.fr
+33 66 55 41 609

Biography:

She has over 10 years of experience in management and evaluation of EU-funded cooperation programmes and projects, with a strong focus on key issues related to the Mediterranean basin. She is currently Project Officer at the Joint Secretariat of the Interreg MED Programme and referent for the Biodiversity Protection thematic community. She facilitates coordination with other European institutions, as well as relevant Mediterranean stakeholders and initiatives sharing challenges linked to environmental protection and climate change. Since 2016, she has been involved in the evaluation of the Interreg Med Programme facilitating the execution of the Operational and Impact evaluations. She graduated in International Cooperation (Major in Rural Development) at the University of Padova and specialized in cooperation between Mediterranean countries with a special focus on Arab Countries. She started her career, during and after graduation, undertaking experiences in the field of international cooperation, in Morocco and Egypt. More info about the Interreg Med Programme [here](#).



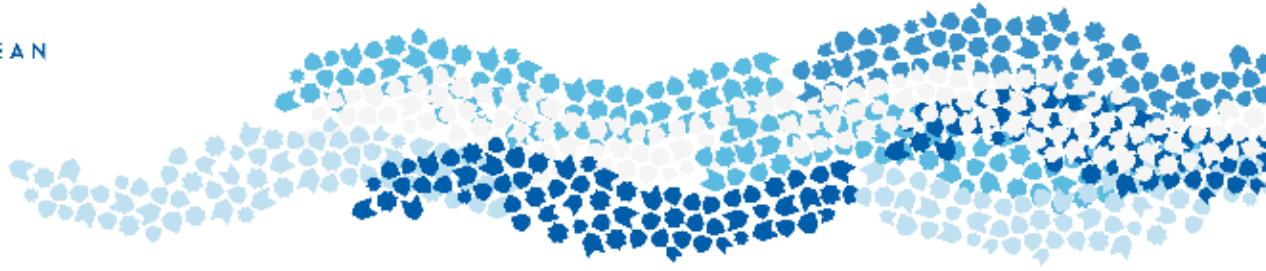
Name & Surname: Olga MAZZOLINI

Organisation: Interreg MED Programme
(Managing Authority/Joint Secretariat hosted by PACA Region)

Role/Position: Communication Officer

Languages spoken: Italian, French, English

Contact: omazzolini@maregionsud.fr
+33 60 57 05 329
+39 34 71 21 20 83



Biography:

Graduated in Philosophy, Olga focused her career in European projects communication with the aim of making contents, often relegated to technical terms, acronyms, and bureaucratic jargon, accessible to all. Grew up in Florence, in 2021 she landed in Marseille where she joined the Joint Secretariat of the Interreg Euro-MED Programme as Communication Officer, with the conviction that the Mediterranean green transition goes also through a good communication. More info about the Interreg Med Programme [here](#).



Name & Surname: Fabio Fava, Ph.D.
Organisation: Alma Mater Studiorum University of Bologna
Role/Position: Full Professor of Industrial & Environmental Biotechnology
Languages spoken: Italian, English
Contact: fabio.fava@unibo.it
+39 328 23 94 251

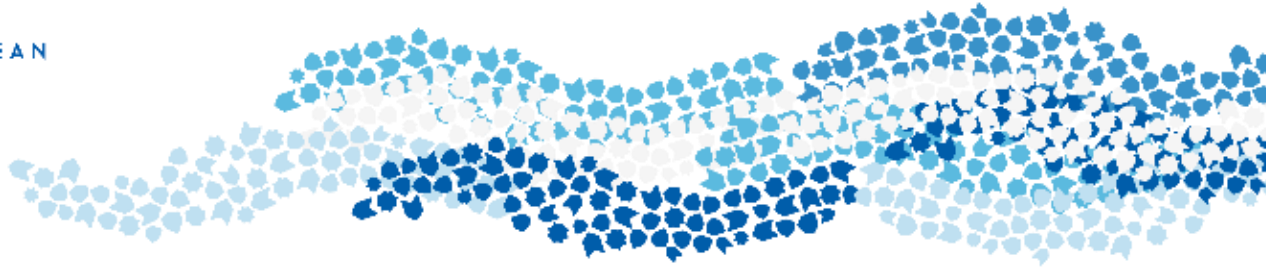
Biography:

Fabio Fava, Full Professor Bioeconomy at the School of Engineering of the University of Bologna, has over than 210 international publications. He is the IT Representative at the European Commission (Brussels) in the the *European Bioeconomy Policy Forum*, *Circular BioBased Europe JU*, *BLUEMED initiative* and *Horizon EU Cluster VI*. He is also the IT Representative in the BNCT at the OECD (Paris) and the chair of the Scientific Committee of the international Exhibition ECOMONDO (Rimini, Italy).



Name & Surname: Amawi, Omar
Organisation: PRIMA
Role/Position: Deputy Director
Languages spoken: English, Arabic
Contact: omar.amawi@prima-med.org

Biography:



Omar represented Jordan and Co-chaired PRIMA initiative from 2012-2017, and was elected Deputy director for PRIMA Foundation in February 2018. Omar has more than 18 years of experience in the fields of Science, Technology and Innovation policies, planning, technology transfer, implementation and support. His scientific expertise are Agricultural/Irrigation Engineering and water resources management. He started his career as a research associate and teaching assistant at Utah State university and Texas A&M university between the years 1996-2007. In 2008, he joined the Higher Council for Science and Technology (HCST). Late in year 2009 he was appointed as the director for the department of policies and scientific projects management at the HCST. In 2012, he was appointed as the director for the international cooperation department at HCST, and the PIO director for stage II of the SRTD project, targeting applied research, commercialization and Technology Transfer support. In addition, Omar coordinated the FP 7 EU-JordanNet II project, and served as H2020 coordinator National Contact Point (NCP). Additionally, he represented Jordan in many projects funded by the European Commission. He is also the president of Nexus Think Tank (NTT) within the H2020 5TOI 4EWAS project (Quintuple Helix Approach to Targeted Open Innovation in Energy, Water, Agriculture in the South Mediterranean).

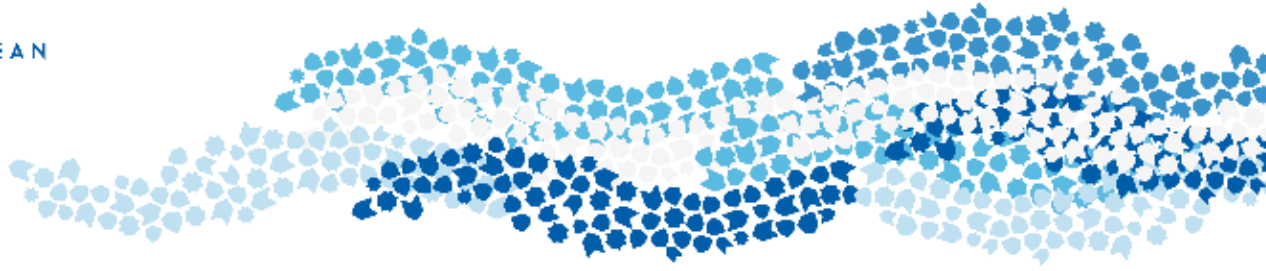


Name & Surname: Quintana, Octavi
Organisation: PRIMA
Role/Position: Director
Languages spoken: English, Spanish, French, Italian

Contact: octavi.quintana@prima-med.org

Biography:

Since 2017, he is Director of PRIMA Foundation. Medical Doctor UAB, specialized in Intensive Medicine, MPH Univ. Columbia. Director of Málaga Hospital. Deputy Director of INSALUD. President of Sociedad Española de Calidad Asistencial. President of the European Council Bioethics Committee Director. Vice-president EC Ethics European Group. Director of international Affairs, Ministerio de Sanidad y Consumo. Coordinator humanitarian aid in Rwanda, Burundi, Bosnia, Kosovo. Director Scientific programs divulgation in TVE2. Director of Scientific Research in the EC in Health, Energy, European Research.



Name & Surname: Elshinawi, Mohamed

Organisation: PRIMA

Role/Position: Co-Chair

Languages spoken: English, Arabic

Contact: mohamedshinawi@gu.edu.eg

Biography:

Professor Mohamed El-Shinawi is the Co-Chair of the Partnership for Research and Innovation in the Mediterranean PRIMA. He is also acting president of one of the most prominent universities in Egypt (Galala University). Shinawi is a Professor in the Department of General Surgery-Faculty of Medicine and advisor to the Minister of Higher Education and Scientific Research. He's also an adjunct Professor in the Department of Emergency Medicine, Maryland University, Baltimore, USA. He is also a Board Member of the National Training Institute. Furthermore, Shinawi is appointed as a Member of the UFM Bureau for Research and Innovation, a Fellow of the American College of Surgeons and a Consultant in General Surgery. In addition, he is in charge of all international relations and agreements in the Ministry of Higher Education and Scientific Research. With more than 80 peer-reviewed publications and more than 70 oral and poster presentations worldwide, Shinawi is a distinguished professor in the field of breast cancer, trauma, and general surgery.



Name & Surname: Riccaboni, Angelo

Organisation: PRIMA

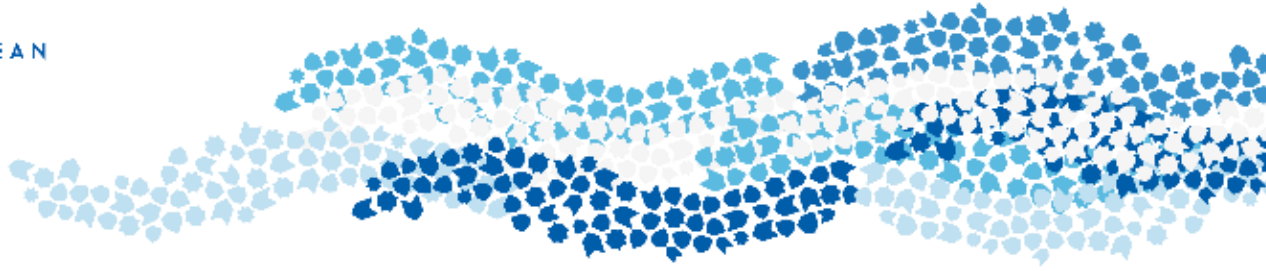
Role/Position: Chair

Languages spoken: English, Italian

Contact: angelo.riccaboni@unisi.it

Biography:

Angelo Riccaboni is Full Professor in Business Administration, since 1999. He teaches Advanced Management Control and Sustainable Development in the the Second cycle degree (Laurea Magistrale) in International Accounting and Management (Department of Business and Law – University of Siena).



Main research interests related to the topics of governance and management control of sustainability implemented at the corporate level as well as regarding the role played by organizations and Universities to foster sustainable innovations.

Past Rector of University of Siena (2010-2016) and Chair of Foundation of the Association of Italian Rectors (CRUI) (2014-2016). Chair, since 2016, of the Steering Committee of Santa Chiara Lab, Innovation Center of University of Siena.



Name & Surname: Alessandra Astolfi
Organisation: Italian Exhibition Group Spa
Role/Position: Global Exhibition Director Green & Technology Division
Languages spoken: Italian, English
Contact: alessandra.astolfi@iegexpo.it
 +39 349 300 02 74

Biography:

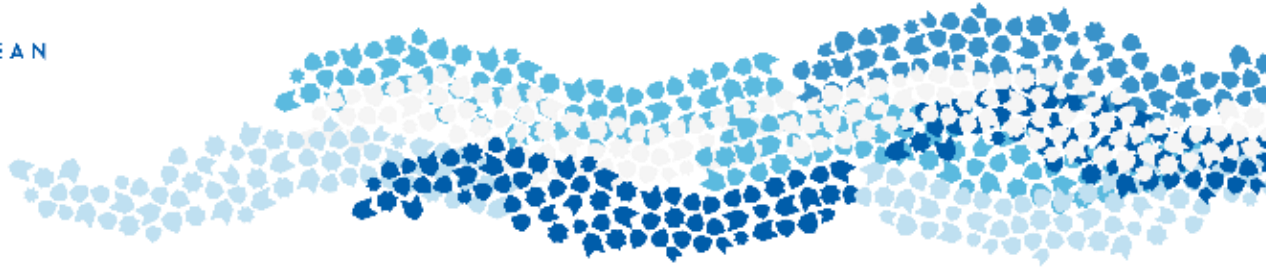
Graduated in social organization, she completed two postgraduate courses in Human Resources and people valorization. She operated in several fields of the events industry and specialized on green technology, energy and mobility. Over 25 years ago she launched Ecomondo, leading international event in Europe on green technology and circular economy.

She is now Global Exhibition Director of the Green and Technology Division of Italian Exhibition Group, leading the events TECNA; ECOMONDO, KEY ENERGY; IBE; SUPERFACES, ECOMONDO MEXICO; ECOMONDO CHINA, GREEN MED SYMPOSIUM and the recently-launched school for the energy transition SAFTE.



Name & Surname: Aida Cuko
Organisation: Italian Exhibition Group Spa
Role/Position: Business Development Manager
Languages spoken: Albanian, English, Italian, Chinese
Contact: aida.cuko@iegexpo.it
 +39 347 97 55 181

Biography:



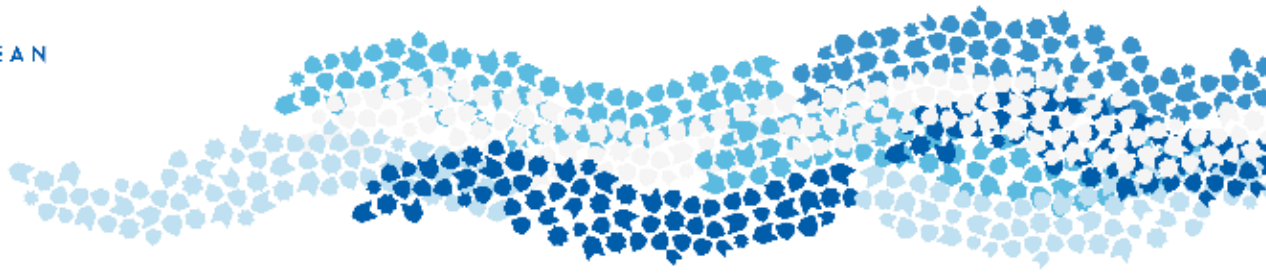
Aida Cuko works as the Business Development Manager for Italian Exhibition Group, one of Italy's largest tradeshow, events and conferences organizers. She is in charge of company's international business development and co-operations in Asia Pacific, Middle East & Africa markets. Aida also holds the position of the Executive Director of Europe Asia Global Link Exhibitions (EAGLE) – Italian Exhibition Group's subsidiary based in Shanghai, China as well as board member of HBG Group – Italian Exhibition Group's subsidiary in Dubai, UAE.

Key data on climate change in the Mediterranean

[The First Mediterranean Assessment Report](#) (MAR1) prepared by the independent network of Mediterranean Experts on Climate and environmental Change (MedECC) was published in November 2020. The report assesses the **best available scientific knowledge on climate and environmental change** and associated risks in the Mediterranean Basin in order to render it accessible to policymakers, stakeholders and citizens. The report has been written by almost **190 scientists from 25 countries**, all contributing in individual capacity and without financial compensation.

According to the report, due to anthropogenic emissions of greenhouse gases, **climate in the Mediterranean is changing faster than global trends**. The main drivers of change include climate, population increase, pollution, unsustainable land and sea use practices and non-indigenous species. Both natural ecosystems and human livelihoods are affected. Due to global and regional trends in the drivers, impacts will be exacerbated in the coming decades. Significantly enhanced efforts are needed in order to adapt to inevitable changes, mitigate change drivers and increase resilience. Some of the foreseen events and recommendations made to policymakers included in the report are the following:

- **Sea surface warming will continue during the 21st century** by 1 to 4°C depending on the scenario (low or high greenhouse gas emissions) and it is likely that deep waters will warm more in the Mediterranean than in other oceans in the world.
- **Marine ecosystems and their biodiversity are also impacted** by overfishing, warming, acidification and the spread of non-indigenous species from tropical waters. Expected consequences include increased jellyfish, mucilage and algal bloom outbreaks, reduced commercial fish stocks, and general biodiversity loss.
- In countries of the northern rim, **forest area is increasing at the expense of extensive agriculture** and grazing, while **ecosystems in southern countries are still at risk of fragmentation** or disappearance due to clearing and cultivation, overexploitation of firewood and overgrazing. Over the past 40 years, **half of wetland area has been lost or degraded**, and this trend is expected to continue. Dryland extension and an increase in areas burnt during more frequent wildfires are



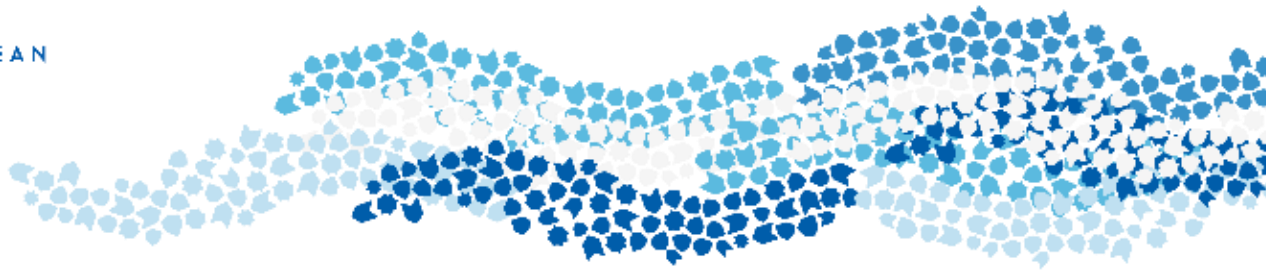
expected. Adaptation options for land biodiversity include the reduction of water abstraction, modified silvicultural practices, and the promotion of climate-wise landscape connectivity.

- **Agriculture is the largest user of water in the Mediterranean region.** Demand for irrigation is expected to increase by 4 to 18% by 2100. But there is adaptive potential in the improvement of water use efficiency and reuse. Other important adaptations are changing agriculture practices and promoting the traditional Mediterranean diet, local production and reduction of food waste.
- **Human health is already impacted by high temperatures, as well as air and water pollution** in the Mediterranean Basin. These health risks particularly impact disadvantaged or vulnerable populations. Human security faces new risks from extreme events, particularly along coastal areas. Conflicts caused by scarce resources and human migration are likely to increase due to drought and degrading agricultural and fisheries resources.
- **Mediterranean cities are growing** due to increasing population and socio-economic change, notably on the coasts of southern countries. Due to increasing heat stress, the planning and management of cities around the Mediterranean will need to focus more on human health and resilience to environmental change. Impacts of climate change on urban areas are expected to be disproportionately high.
- **All Mediterranean countries have significant potential to mitigate climate change** through an accelerated energy transition. This will involve phasing down fossil fuel and accelerated development of renewable energies. This ambitious energy transition requires a significant transformation of energy policies and economic models in Mediterranean countries.

The UNEP/MAP – Barcelona Convention Secretariat, through its Plan Bleu Regional Activity Center, and the Secretariat of the Union for the Mediterranean work in partnership to support MedECC, and to contribute to establish a sound and transparent scientific assessment process.

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