

March  
24-25,  
**Aquapavilion  
Space**

The Human  
Garden  
ai Giardini Reali



# AQUA PAVILION

## TRAINING PROGRAMME



WE CARE WE DARE  
A HEARTFELT PEACEFUL  
& REGENERATIVE FUTURE  
FULL OF LIFE



La nature, votre inspiratrice, votre alliée



Si ringrazia





# PRESENTATION OF TRAINING

As part of the FESTIVAL AQUAMOUR VENEZIA – 22 and 23 March 2025, we offer an introduction to cutting-edge agricultural practices.

This training will be given by researchers who have discovered unknown properties of seawater and freshwater that can purify and fertilise the soil, maximise the nutritional potential of seeds and crops, and support the innate immune system of plants, just as a fertiliser would.

You will discover this natural power hidden in the heart of water.

But which water? Which method and which protocol?

This training is particularly aimed at Venetian farmers and horticulturists eager to learn about new agricultural practices that are easy to apply quickly and with minimal investment.

Register now!

**Places are limited!**

**If you are interested you can contact us at  
[benedicte.fumey@naturisresilienciae.fr](mailto:benedicte.fumey@naturisresilienciae.fr)**

**LOCATION TO BE CONFIRMED**






# **TRAINING**

## **marine agriculture and informed freshwater**

24 MARCH (AFTERNOON)  
&  
25 MARCH (ALL DAY)



# COORDINATED BY



**Bénédicte Fumey**  
CSR, ESG/CSRD consultant, lecturer,  
executive coach and independent  
board member.

She has had an atypical career, both as an executive holding European management positions in American multinationals in the IT sector until 2019, and as a protagonist of civic life in the service of the Living World, founding or leading a dozen associations. During the dissemination of the integral approach (a systemic and transdisciplinary approach) within the Club of Budapest, collaborating with leading futurists and scientists, she discovered the issues related to the impact of human activities and the degradation of our biosphere. She then embarked on a quest to reconcile economics, ecology and human life. Today, the regenerative enterprise represents this path of reconciliation. Today, she is a facilitator of transitions in territories and organisations; she supports the emergence of innovative and regenerative ecosystems, aimed at creating value through new links or new business models. Convinced that companies are the main actors in this great social transition, she helps them define their CSR strategy and assists investors in their impact-based financial policy. A passion for life... and water! It was during her research work on the regeneration of the biosphere that she discovered her passion for water.

# SPEAKERS – TRAINERS

## FRESH WATER



**Renaud Ruhlmann**  
Independent transdisciplinary  
researcher  
Researcher in Phytoneurology and  
Botanical Music Therapy

A researcher in electrophysiology and molecular sound chemistry, he studies and measures the biochemical signals of plants, transcoding them into sound signals to raise plant awareness. His tools and services facilitate fertile collaborations with living organisms, integrating ecological, climatic and economic aspects of our environments. It encourages a new approach to plants, aimed at co-creation rather than exploitation. Midway between science and art, it gives nature a new voice, conveying its biological knowledge that is compatible with humans. In the field of agriculture, he promotes simple techniques such as 'healthy fertilisers', which reduce the use of industrial chemicals and water consumption for irrigation. Considering water essential for life, it proposes to optimise its use. He advocates agricultural practices that favour better harvests and food enriched by healthy organic methods. For many years, he has contributed to the development of 'healthy fertilisers', biodynamised waters that contain essential information for plant growth and disease prevention.

# SEAWATER



**Laureano Domínguez**

Rector of the University of Seawater  
Born in Colombia in 1960.

Trained with his father in seawater work, he has perfected the seawater method inspired by the studies of French researcher René Quinton in numerous countries, spreading the applications of seawater in agriculture and other sectors as a concrete solution to the water crisis in certain regions of the planet. Laureano has written four books on the subject and promotes 'research nurseries' in areas of the world where the use of seawater can guarantee high quality food sovereignty. He currently heads the Spanish-Colombian association OMDIMAR Y CIENCIA, which works with other researchers to develop concrete proposals to solve the global freshwater shortage. He is also the creator of SIEMs (Seawater Impulse Systems), designed to bring seawater to cities, and of the World Seawater Congress.



**Cindy Muñoz Ballesteros**

Agronomic engineer, researcher at the University of Barcelona  
Member of the research group 'Ecology of Agricultural Systems' and researcher at the University of the Sea Water.

Since 2012, a graduate in agronomic engineering, she has been exploring fast-growing crops that are easy to manage and suitable for small urban spaces. She began by offering dissertation advice at a rural institution in Fusagasugá, where she observed poor food quality and diversity. This prompted her to focus her work on food security, raising awareness of the importance of nutrition and solutions that allow families to cultivate despite the lack of space. Later, she discovered seawater and studied its properties, management and applications. In 2013, she started the first experiments in urban marine agriculture, presenting them at the 4th World Sea Water Summit in La Ceja - Antioquia (Colombia). She continued her research while working and, in 2015, moved to Spain to pursue a master's degree in organic agriculture. Here, she integrated the research group 'Ecology of Agricultural Systems' at the University of Barcelona, participating in the SoilVeg project. Thanks to this expertise, she delved into the use of seawater, not only for irrigation, but also as a fertiliser and for weed control. She then intensified his studies on plants naturally adapted to salinity.



# SEAWATER

## TRAINING: MARINE AGRICULTURE AND HALOPHILIC BEDS



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Given the difficulty, in any agronomic development, of disinfecting soils and maintaining their bromatological balance, Seawater University has promoted Maynard Murray's research, with the aim of reproducing it and making it accessible to agricultural technicians and food production managers.

Our field studies include the cultivation of halophilic (salt stress tolerant) plants such as *Sesuvium portulacastrum*, *Batis maritima* and *Salicornia*. These plants, which create a humid marine microclimate irrespective of latitude or temperature range, favour the progressive adaptation of other halophilic indoor plants.

Our workshop will focus on the adaptation of semi-adapted plants to these conditions and their evolution over time. It will also illustrate, on a small scale, the strategies adopted in the open field and greenhouse to minimise crystallisation in saline substrates.

### Theoretical part:

- Maynard Murray's research
- Halophilous plants and their role in the regeneration of desert areas
- Halotolerant plants and their ability to adapt to salt stress
- SIAM (Sea Water Impulse Systems)

### Practical part:

- Presentation of pioneering projects in marine agriculture
- Use of seawater to regenerate contaminated soils
- Cultivation in areas with poor water quality or degraded and salinised soils
- Implementation of Sea Water Pulse Systems



## INTEGRATIVE VISION OF SEAWATER AS A BASIS FOR THE CREATION OF URBAN GARDENS



### **Cindy Muñoz Ballesteros**

Agronomic engineer, researcher at the University of Barcelona  
Member of the research group 'Ecology of Agricultural Systems' and researcher at the University of the Sea Water.

Since 2012, a graduate in agronomic engineering, she has been exploring fast-growing crops that are easy to manage and suitable for small urban spaces. She began by offering dissertation advice at a rural institution in Fusagasugá, where she observed poor food quality and diversity. This prompted her to focus her work on food security, raising awareness of the importance of nutrition and solutions that allow families to cultivate despite the lack of space. Later, she discovered seawater and studied its properties, management and applications. In 2013, she started the first experiments in urban marine agriculture, presenting them at the 4th World Sea Water Summit in La Ceja - Antioquia (Colombia). She continued her research while working and, in 2015, moved to Spain to pursue a master's degree in organic agriculture. Here, she integrated the research group 'Ecology of Agricultural Systems' at the University of Barcelona, participating in the SoilVeg project. Thanks to this expertise, she delved into the use of seawater, not only for irrigation, but also as a fertiliser and for weed control. She then intensified his studies on plants naturally adapted to salinity.

As a research associate at the Seawater University and building on her experience, she began to explore different ways of introducing fast-growing, easy-to-manage and adaptable crops to small urban spaces. By developing urban marine agriculture, she focused on the added nutritional value obtained in seawater-irrigated plants, food quality and consumer health benefits. This experiment is carried out in the climatic conditions of Begur - Costa Brava (Spain), on a conventional substrate and in recycled containers, using lettuce (*Lactuca sativa* L.), spinach (*Spinacia oleracea*), chard (*Beta vulgaris* L.) and onion (*Allium cepa*) seedlings. Three different concentrations of seawater (20, 30 and 40%) for foliar irrigation were tested.

The use of seawater in different proportions, the development of the species and their adaptability to fertilisation were studied. Since seawater contains all the elements of the periodic table, it represents the best bioavailable source for plants to absorb and utilise these elements to their fullest extent. This experiment will make it possible to observe whether plants assimilate all these nutrients, thus avoiding deficiencies.

The results obtained during this study, together with various experiments conducted in Colombia, will be presented at the Festival Aquamour Venezia between 21 and 25 March this year.

### **Theoretical part:**

- What is urban marine agriculture?
- Benefits and challenges of implementing urban marine agriculture.
- Use of seawater as fertiliser and/or irrigation water.
- Nutritional value and health benefits of Marine Agriculture.

### **Practical part:**

- Application of seawater in Urban Marine Agriculture.
- Results obtained in the germination of vegetables irrigated with seawater in Colombia.
- Presentation of the results of seawater irrigation in urban gardens in Begur - Spain.





## SOUND FERTILISERS



### Renaud Ruhlmann

Ricercatore transdisciplinare indipendente Ricercatore in Fitoneurologia e Musicoterapia Botanica

A researcher in electrophysiology and molecular sound chemistry, he studies and measures the biochemical signals of plants, transcoding them into sound signals to raise plant awareness. His tools and services facilitate fertile collaborations with living organisms, integrating ecological, climatic and economic aspects of our environments. It encourages a new approach to plants, aimed at co-creation rather than exploitation. Midway between science and art, it gives nature a new voice, conveying its biological knowledge that is compatible with humans. In the field of agriculture, he promotes simple techniques such as 'healthy fertilisers', which reduce the use of industrial chemicals and water consumption for irrigation. Considering water essential for life, it proposes to optimise its use. He advocates agricultural practices that favour better harvests and food enriched by healthy organic methods. For many years, together with Jean Toby, he has contributed to the development of 'healthy fertilisers', biodynamised waters that contain essential information for plant growth and disease prevention.

More and more farmers, people in professional retraining and young people want to return to the trades of the land and train in techniques closer to the living world.

In this sense, we propose training in techniques that are aware of the importance of caring for life and creating fertile partnerships with the plant kingdom.

The more we accept the intelligence of plants in all its forms (both physical and 'emotional'), the more sustainable these sectors will become, allowing the regeneration of soils and obtaining quality harvests in symbiosis with the laws of nature.

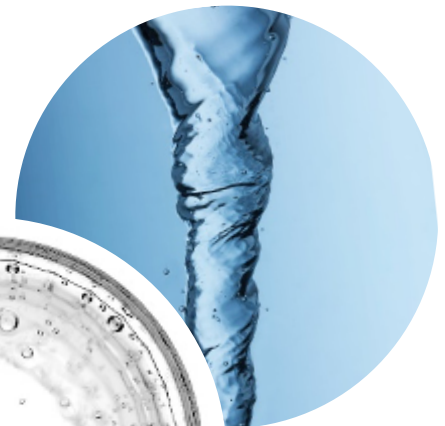
We propose to explore how it is possible to filter, dynamise and inform fresh water to improve the condition of soils and plant development, thanks to the knowledge that water is an adaptogenic living organism, endowed with electrical and electromagnetic properties.

### Theoretical part:

- History of research on the memory of water
- The properties of water
- What is consciousness and its relation to matter
- Quantum Physics and Mechanical Physics: How to Go from Matter to Energy,  $E = mc^2$  from Poincaré to Planck
- Sound Fertilizers Explained and How to Inform Water with Molecular Frequencies

### Practical part :

- Listening and experimenting with sound frequencies, including H<sub>2</sub>O, [H<sub>3</sub>O<sup>2</sup>]-, oxygen, nitrogen, phosphate, potassium...
- Explanation of the role of intention and consciousness of living beings by listening to the singing of plants and direct interaction with plants through sound





# PROGRAMME

## **DATE :**

Monday from 02:00 PM to 06:00 PM

Tuesday from 10:00 AM to 06:00 PM

**NUMBER OF PARTECIPANT:** FROM 15 TO 50

**TRAINERS:** LAUREANO DOMINGUEZ, CINDY BALLESTREROS,  
RENAUD RUHLMANN

## **MONDAY**

**WHERE:** MESTRE

- 02:00 PM - Welcoming participants
- 02:00 PM – 02:30 PM - Presentazione dei partecipanti
- 02:30 PM – 06:00 PM - Interventions from Laureano Dominguez, Cindy Ballestreros and Renaud Ruhlmann

## **TUESDAY**

**WHERE:** MESTRE

- 9:30 AM - Welcoming participants
- 10:00 AM - Beginning of the training – interventions from Laureano Dominguez, Cindy Ballestreros and Renaud Ruhlmann
- 05:30 PM - Conclusion and feedback from participants
- 06:00 PM - End of the training

Per maggiori dettagli, consultare il programma online.