

# Driving forward the Mediterranean network on the interpretation, conservation and management of temporary ponds (habitat 3170\*)



**Vito Emanuele Cambria**<sup>1</sup>, Antonio Camacho<sup>2</sup>, Christos Georgiadis<sup>3</sup>, Carla Pinto Cruz<sup>4</sup>, Louise Tourpin<sup>5</sup>, Mauro Fois<sup>6</sup>, Simonetta Bagella<sup>7</sup>

1. Botanical Garden of Rome, Department of Environmental Biology, Sapienza University of Rome, Italy

2. Cavanilles Institute for Biodiversity and Evolutionary Biology, University of Valencia, Spain

3. Hellenic Society for the Protection of Nature, Greece

4. Universidade de Évora, Portugal

5. Conservatoire botanique national méditerranéen de Porquerolles, Parc Scientifique Agropolis, France

6. University of Cagliari, Italy

7. University of Sassari, Italy





# Needs



Many individuals of *Isoetes* spp. in a peculiar type of Mediterranean temporary ponds. Bosco di Palo Laziale, Natura 2000 site, Rome, central Italy. Photo: D. La Montagna

## Habitat 3170\*

Characterised by alternating phases of drought and flooding



EU temporary ponds are mainly attributed to the phytosociological class *Isoëto-Nanojuncetea* consisting of ephemeral associations of amphibians plant species (sister habitat types: 3120, 3130)

### Conservation status

Among the most degraded and threatened habitats in Europe ("unfavorable" conservation status, Art. 17 HD)

### Pressures and threats

- Climate change
- Land consumption
- Water and forest unmanagement
- Pollution

➤ Habitat misinterpretation



Periodically inundated *Fraxinus angustifolia* wood (Habitat 91B0) in Bosco di Palo Laziale. Photo: V.E. Cambria



Ineffective restoration and management practices

Bagella, S. (2023)



# 9-11 March 2022, Rome, Natura 2000 Event -> MTPs Network

European Commission

Environment

Home > Nature > Natura2000 > Platform > Events

## Disentangling the complexity and variability of Mediterranean temporary ponds (habitat type \*3170)

Dates: 9-11 March 2022  
Location: Rome, Italy

This event, hosted by Sapienza University of Rome, took place at the Botanical Garden of Rome, Italy, on the 9<sup>th</sup>-11<sup>th</sup> March 2022. A wide audience of international experts had an opportunity to meet in a live setting and visit some important areas of the Lazio region to discuss the identification of one of the dominant vegetation communities of the Mediterranean temporary ponds (*Isopeto-Nanojuncetea*) during its vegetation period, which usually begins in February. They also observed some of the habitat's keystone species whose propagation is currently tested in the Botanical Garden of Rome (project LIFE PRIMED).

The event report can be found here.



Natura 2000 Biogeographical Process – Networking Event "Disentangling the complexity and variability of Mediterranean temporary ponds (habitat type \*3170)"

## PROCEEDINGS AND BOOK OF ABSTRACTS

Vito Emanuele Cambria, Christos Georgiadis and Fabio Attorre

9-11 March 2022, Botanical Garden of Rome, Italy



24 keynote speakers and 62 attendees among Natura 2000 practitioners, researchers and policy-makers from Portugal, Spain, France, Italy, Greece, Albania and Cyprus

# Follow up



21-25 May 2023, Rome - Side Event "*Gathering of Natura 2000 Practitioners for the Restoration, Conservation and Management of Standing Freshwater Habitats*" at the EVS2023 - European Vegetation Survey Meeting



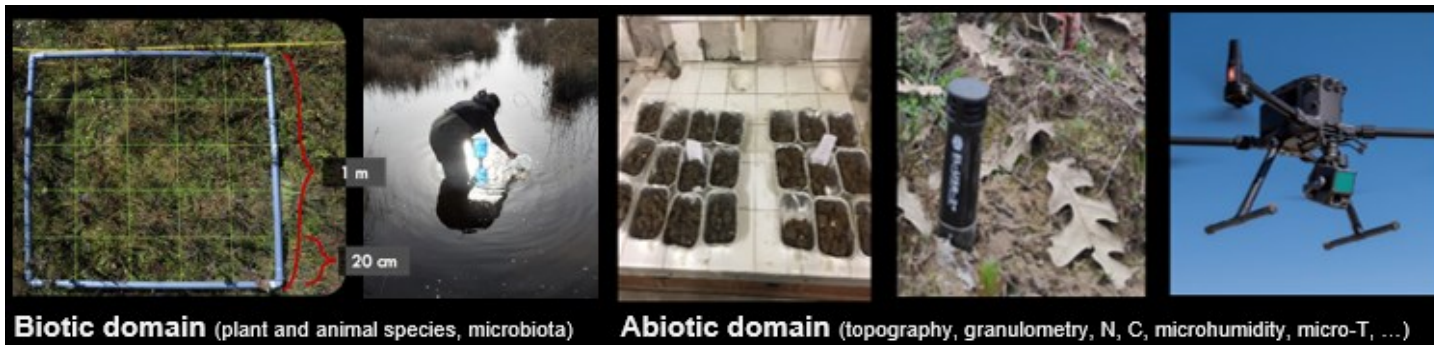
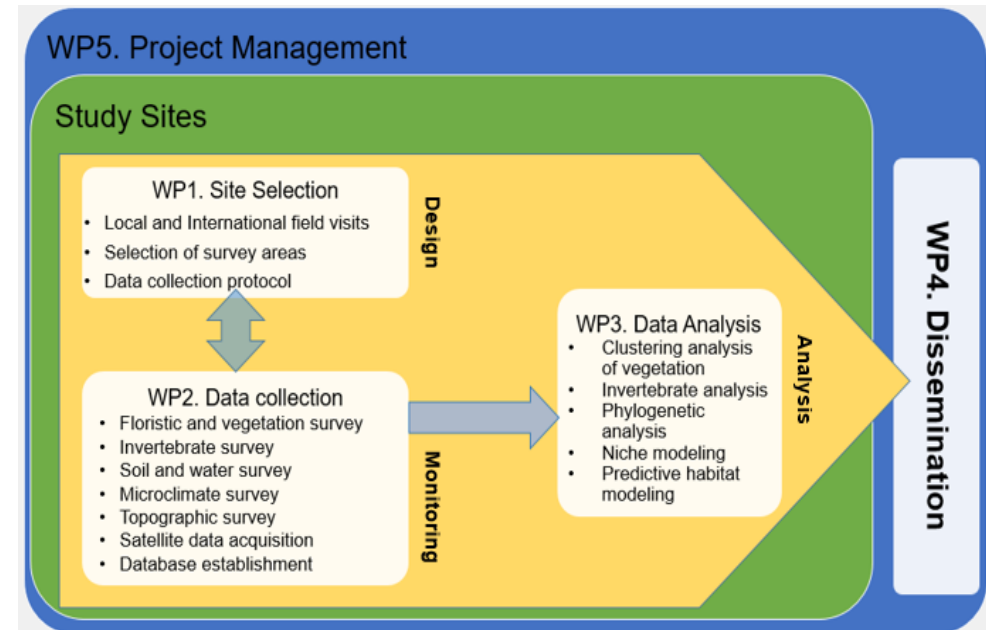
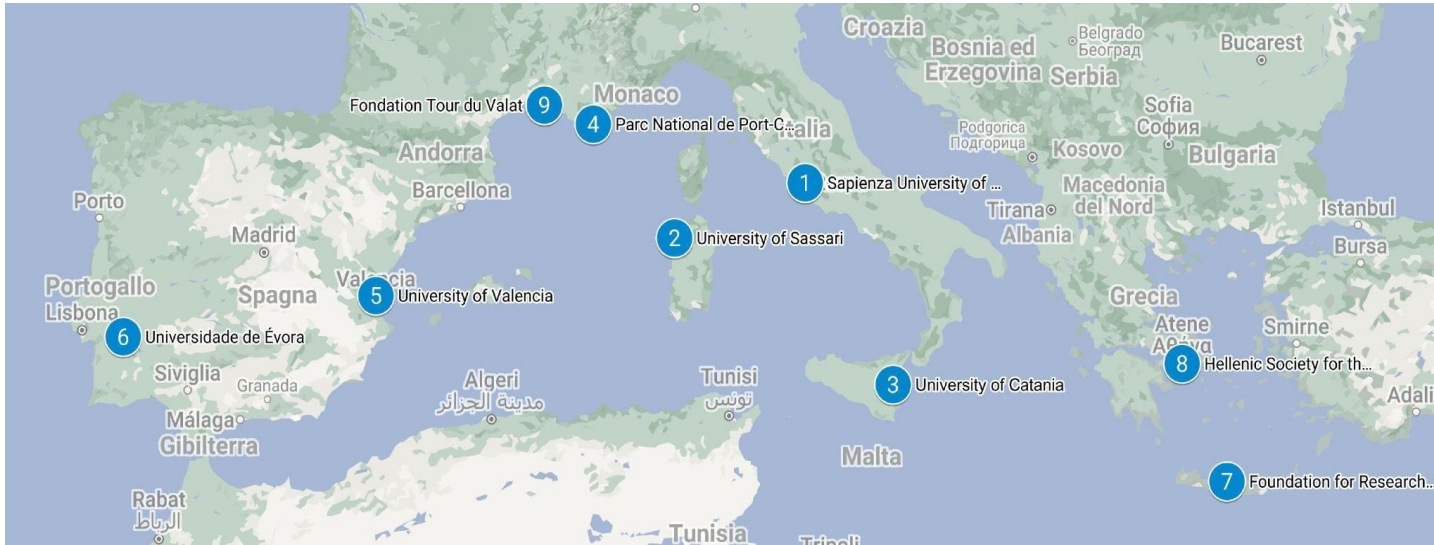
18-23 June 2023, Newcastle - Special Session "*SS18. Driving forward the network on the interpretation, conservation and management of temporary ponds*" at the SEFS13 – Symposium for European Freshwater Sciences of Newcastle



# Project Proposals



5 April, 2023 – Ponds4MED *“Harmonising the definition of Mediterranean temporary ponds (EU habitat 3170\*) through standardised, transnational and ecological-driven interpretation approaches and monitoring schemes”* at the Biodiversa+ BiodivMon Call for Research Proposals 2022



# Future meetings

#IBC2024



**IBC** XX International  
Botanical  
Congress  
**2024** Madrid Spain

July, 21st - 27th, 2024



REAL JARDÍN  
BOTÁNICO



## SYMPOSIUM

“Using plants for restoration, conservation and management of standing freshwater habitats: from concepts to practical applications” –  
Chair: Alba Cuenca

# Funding opportunities

## Funding networking activities

European Cooperation in Science and Technology (COST) creates open spaces where people and ideas can grow.

COST funds **interdisciplinary research networks** called **COST Actions**. These Actions bring together researchers, innovators and other professionals including industry specialists, who are based in Europe and beyond, to collaborate on research topics for a period of 4 years.

The funding a COST Action receives covers the expenses of networking activities rather than research and as such is used to organise and fund events, Short-term Scientific Missions, Training Schools, communication activities, and virtual networking tools.

**LATEST CALL FOR PROPOSALS - Deadline 25 October 2023 at 12.00 (noon) CEST**



## Water4All 2023 Joint Transnational Call

"Aquatic Ecosystem Services"

**LATEST CALL FOR PROPOSALS - Deadline 13 November 2023, 15:00 CET**

# Funding opportunities



**Launch of the Biodiversa+ BiodivNBS Call for Research Proposals on “Nature-based solutions for biodiversity, human well-being and transformative change”**

**LATEST CALL FOR PROPOSALS - Deadline 10 November 2023 at 3 PM CEST**



**Digital for nature**

**HORIZON-CL6-2024-BIODIV-01-2**

**Biodiversity and ecosystem services**

**Deadline date**

**22 February 2024 17:00:00 Brussels time**

**Deadline model**

**single-stage**