

# MIO/MEdIES activities on strengthening Interdisciplinary, Holistic and Inclusive Water Education

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**MEdIES**



HYDRIA  
VIRTUAL  
MUSEUM



# Mediterranean Information Office for Environment, Culture and Sustainable Development

A Federation of 134 NGOs acting as a technical & political platform for advocacy, synergies and empowerment of the region's Civil Society

One of the launching members of WAMUNET through its virtual museum HYDRIA

# MEdIES

Since 2002 MEdIES has impacted:

9998

**EDUCATORS**

Both formal (teachers) and non-formal (i.e. facilitators) through trainings & seminars.

35032

**STUDENTS**

Through school visits and targeted initiatives such as student contests, etc.

48080

**CITIZENS**

Through public events such as exhibitions, conferences, festivals, etc.

# Our approach on water education

*Follow the ESD (Education for Sustainable Development) principles & approaches:*

- Experiential & participatory learning
- Hands-on & inclusive
- Field & Outdoor education; Place –based learning
- Cooperation & Communication Skills (work in teams)
- Competences building
- Inquiry learning
- Transformative approach: Behaviour – Attitude - Action

AIM:

- To enhance knowledge and competences about sustainable water use and management, water cycle, NCWRs, etc.
- To rethink our behavior, attitudes and values as a water user and “move” towards more responsible patterns

# 1. Educational programmes with schools, teachers educators (*"alter aqua", zero drop*)

- Pupils of Primary Schools and Students of Middle School (overall 8 to 14 years old)
- Approved by the Ministry of Education
- Exploring the **Water cycle; Human impact on the water cycle; Nature-based solutions for scarcity & Climate crisis; Non-conventional water resources; Water management in the past ; the Monuments of water**
- 11 hands-on games/props developed
- 33 islands : 29 Greek Islands, 2 Maltese islands, Cyprus, Sardinia
- 10 learning resources in EN, GR, MT, IT
- More than **35,000 students engaged**
- 2009 – 2018 ; 2022-2023

# 1. Educational programmes with schools, teachers educators (*“alter aqua”, zero drop*)



*Students' average satisfaction from the educational programme has reached the percentage of 90%!*

*Show a great interest in NCWR topics*

*Enjoy the hands-on activities;*

*Declare that they acquired new knowledge on water cycle, rainwater harvesting cisterns, greywater etc;*

*They acknowledged a raised awareness of their own responsibilities as water consumers.*

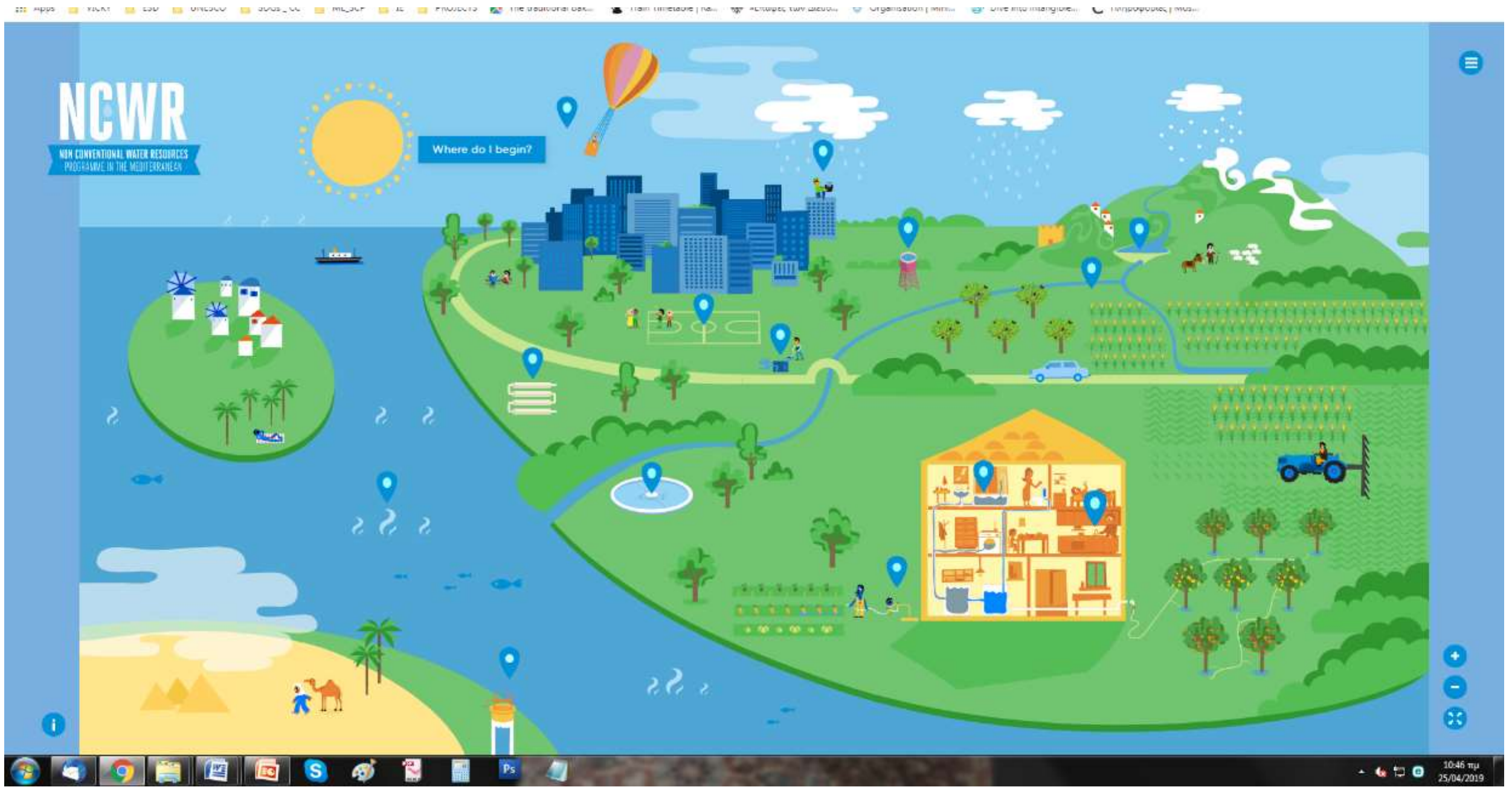


## 2. Teacher Trainings

- Training-of-trainers workshops
- Pedagogy focused seminars for school teachers
- Webinars for formal and non-formal educators
- Week-long course in Athens (Erasmus+ KA1 mobility funded) once or twice a year
- **6,000 teachers** trained



# 3. e-educational resources: [www.ncwr-edu.net](http://www.ncwr-edu.net)







## Objectives

- Find out why it is important to know about the fresh water topics.
  - Browse around the ... “water cycle” and understand how we impact it.
  - Examine how climate change affects the water resources.
  - Get inspired to act for the changing climate.
  - Get to know the non conventional water resources (NCWRs).
  - Explore the various categories and characteristics of the NCWRs.
  - Rethink of your personal behavior as a water user and “move” towards more responsible patterns.
- Designed to be played by youth aged from 10 years (with or without the teachers guidance)
  - Accessed by PCs, laptops, smart phones and tablets.
  - It does not require any subscription, nor does it retain personal data.
  - Users navigate and interact at their own will/pace.
  - Water readings, Surveys, Experiments, Stop/wonder, quizzes/games, feedback buttons

# [www.hydraproject.info](http://www.hydraproject.info)



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## HYDRIA Virtual Museum

Linking Ancient Wisdom to Modern Needs



# HYDRIA virtual museum

- Online open-ended multi-resource aiming to unfold a small part of the diverse Mediterranean Water Cultural Heritage based on representative cases of water management works, concepts and techniques of the past.
- Trilingual: English, Greek and Arabic language.
- Targets all citizens, particularly youth, formal and non-formal educational community.
- 36 case studies:
- *Large scale water management works (aqueducts, water galleries, river management and dams), small scale works at the level of buildings and building complexes (cisterns, wells, watermills, fountains etc), water heritage sites of specific importance are presented through animations and illustrations, texts and timelines, explaining operation, techniques, concepts and links to natural and cultural heritage of the place.*