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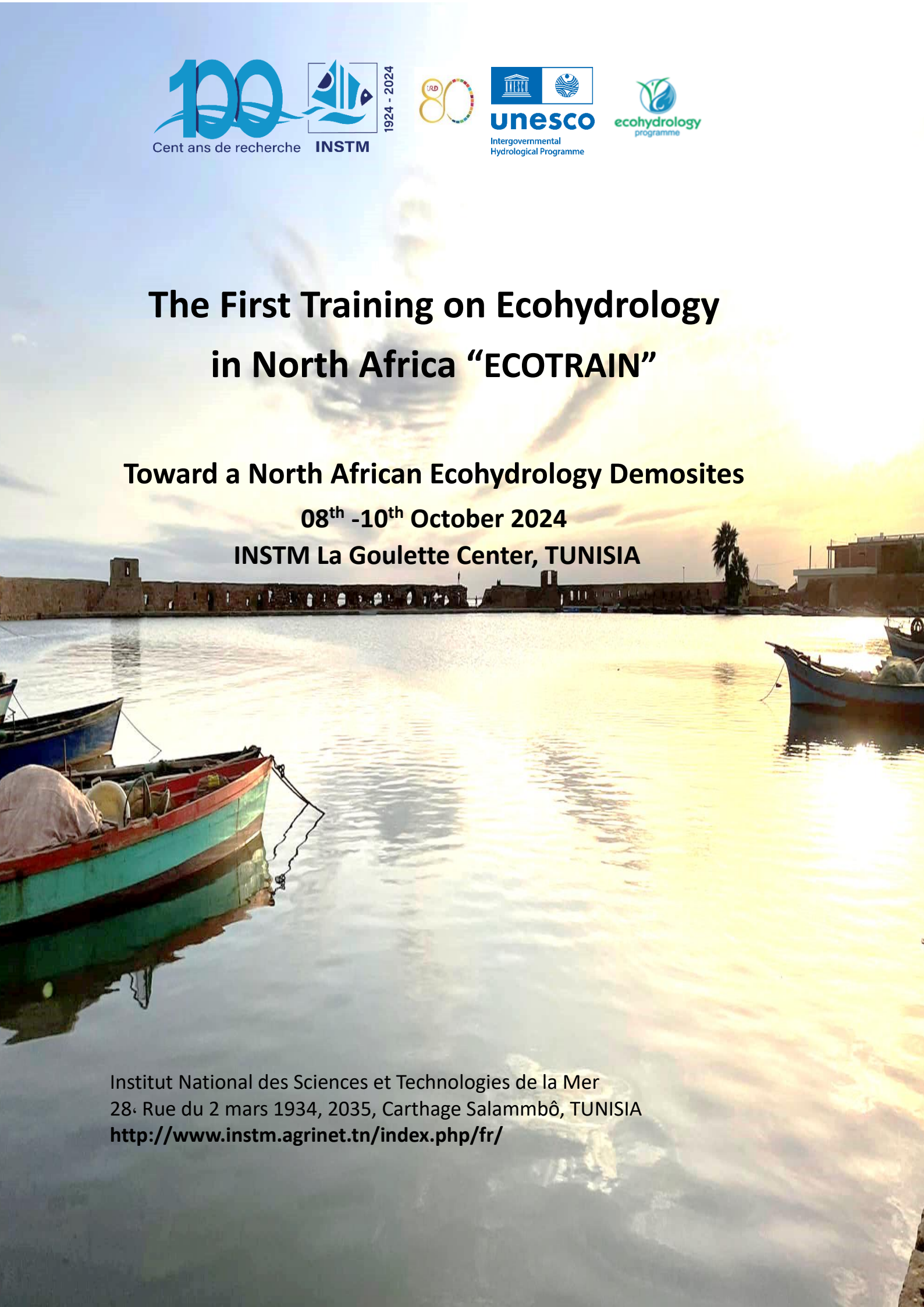
ecohydrology programme

The First Training on Ecohydrology in North Africa "ECOTRAIN"

Toward a North African Ecohydrology Demosites

08th -10th October 2024

INSTM La Goulette Center, TUNISIA



Institut National des Sciences et Technologies de la Mer
28، Rue du 2 mars 1934, 2035, Carthage Salammbô, TUNISIA
http://www.instm.agrinet.tn/index.php/fr/

The First Training on Ecohydrology "ECOTRAIN" in Tunisia

Main theme: Ecology and biodiversity of anthropized lagoons under climate changes effects-Case of Ghar El Melh DEMOSITE

Host: The National Institute of Marine Sciences and Technologies (INSTM), Tunisia

Partners: Institut de Recherche pour le Développement (IRD)
UNESCO-IHP, Ecohydrology (Paris, France)

Date: October 8th – 10th, 2024

Location: The National Institute of Marine Sciences and Technologies, Tunisia- La Goulette Center, Tunisia

Training rationale and objectives

The Ecohydrology training ECOTRAIN 2024 gathers an interdisciplinary scientific team studying the interactions between water and ecological systems. Ecohydrology discipline plays an important role in the Intergouvernemental Hydrological Programme IHP 9, UNESCO started in 2022. Among its activities, this program promotes Ecohydrology Demosites; discussion on future activities and strategies (including UNESCO Priority Africa and Gender); dialogue on scientific challenges to achieve the water-related SDGs involving visions from young researchers and professionals.

The objectives of the training course

The lagoons in Tunisia represent an important part of the coastal landscape and constitute most of the permanent natural water bodies in wetlands. These are remarkable for their biodiversity and their heritage importance, both natural and cultural. However, these ecosystems have long suffered from the harmful effects of various anthropogenic activities, such as excessive fishing, the discharge of domestic, industrial, agricultural and aquaculture

waste and the construction of dams. These effects are further magnified by the impact of climate change. Actually, Ghar El Melh lagoon (GML), situated in the Northeast of Tunisia and labeled UNESCO demosite, is experiencing an extremely rapid degradation of its environmental conditions: beach retreat, water quality deterioration, marine submersion, biodiversity decrease, etc. The objective of the proposed training course is to communicate about ecohydrological principles and solutions in Ghar El Melh ecosystem as a transdisciplinary, scientific approach to achieve water quality and biodiversity monitoring, and sustainable development of activities in this demosite.

Topics

The training will be focused essentially on:

- The principle of the lagoon ecosystem monitoring in the context of the climate change
- In situ sampling and measurements
- The water quality monitoring and the field survey
- The biodiversity of the lagoon ecosystems

Expected outcomes

1. Participants will be informed and trained on the particularities and the trophic capacities of demonstration sites with special attention to Ghar El Melh lagoon.
2. Participants will be sensibilized to the vulnerability and importance of lagoon ecosystem under climate change and anthropization effects
3. Participants will be able to prepare and achieve a field campaign in lagoon context.
4. Enhancement of the participants knowledge on Ecohydrology, natural-based solutions and lagoon biodiversity.

Target group / who can apply

The target candidates for this training course are young scientists working in the environmental, water and agricultural sector, institutions, non-governmental conservation organizations, protected areas authorities, central and local government.

Event venue

Organizer : National Institute of Marine Sciences and Technology-Institut National des Sciences et Technologies de la Mer (INSTM)-Laboratory of Marine Environment

Phone Number: +(216) 71 73 04 20

Fax: +(216) 71 73 26 22

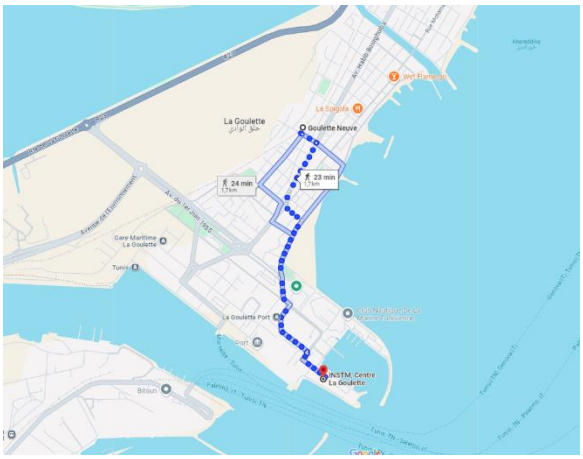
City: Tunis

Location: Center of La Goulette -Address: Port la Goulette

Country: Tunisia

Website Address: http://www.instm.agrinet.tn/index.php/fr/

The **INSTM Center of la Goulette** is 23 min walking from TGM Train La Goulette Neuve Station and few minutes' walk far from the taxi or bus stop.

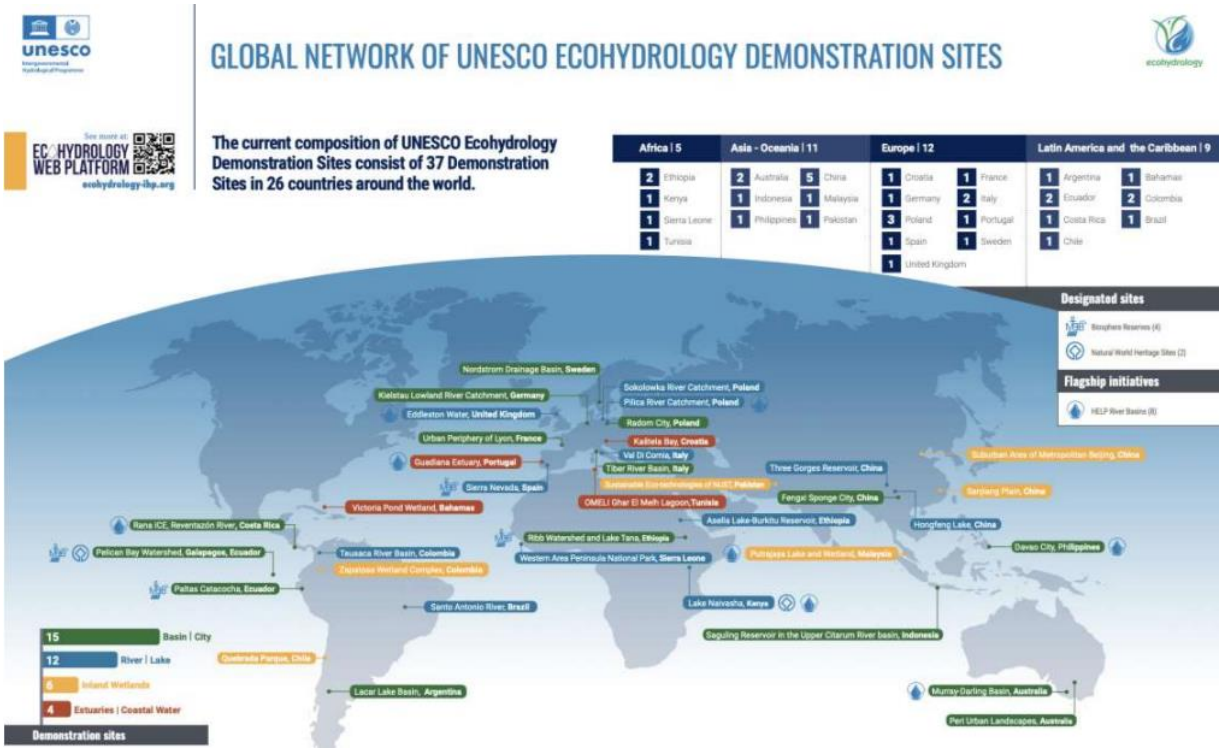


For questions and clarifications, kindly do not hesitate to contact:

Dr. Afef Fathalli, Senior researcher, Institute of Marine Sciences and Technologies, INSTM, La Goulette, Tunisia, Member of the demosite, OMELI, UNESCO-Ecohydrology, Tunisia. Email: afef.fathalli@instm.rnrt.tn

ECOHYDROLOGY DEMONSTRATION SITES

Since 2011 UNESCO-IHP promotes the establishment of various demonstration sites around the world to apply Ecohydrology solutions in watersheds at all scales. Each demonstration site aims to apply Ecohydrology principles and solutions to solve both social and environmental issues. These solution-oriented projects and methodologies are shown in this web-platform to disseminate the acquired information to UNESCO's Member States and the general public. This information will allow to apply an Integrated Water Management in other locations.



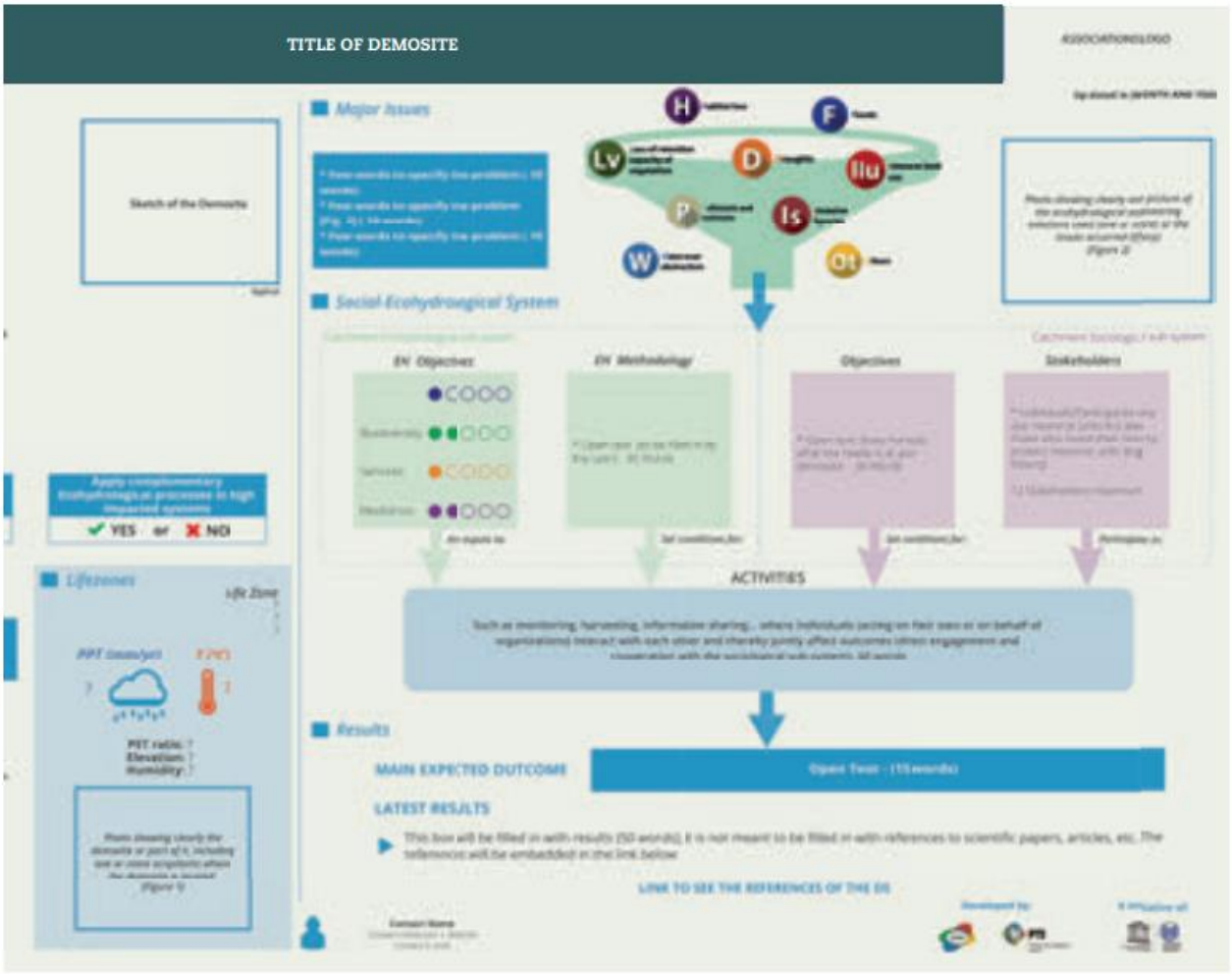
Source: http://www.ecohydrology-ihp.org/demosites/

How to apply to ecohydrology demonstration sites?

ECOHYDROLOGY WEB PLATFORM

UNESCO ECOHYDROLOGY OPEN ONLINE COURSES | WHAT IS EH | DEMOSITES | EVENTS | APPLY TO THE EH NETWORK | FUNDING OPPORTUNITIES | EH-FAMILY | ABOUT | CAREER NETWORK

http://ecohydrology-ihp.org/demosites/ehmoodle



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