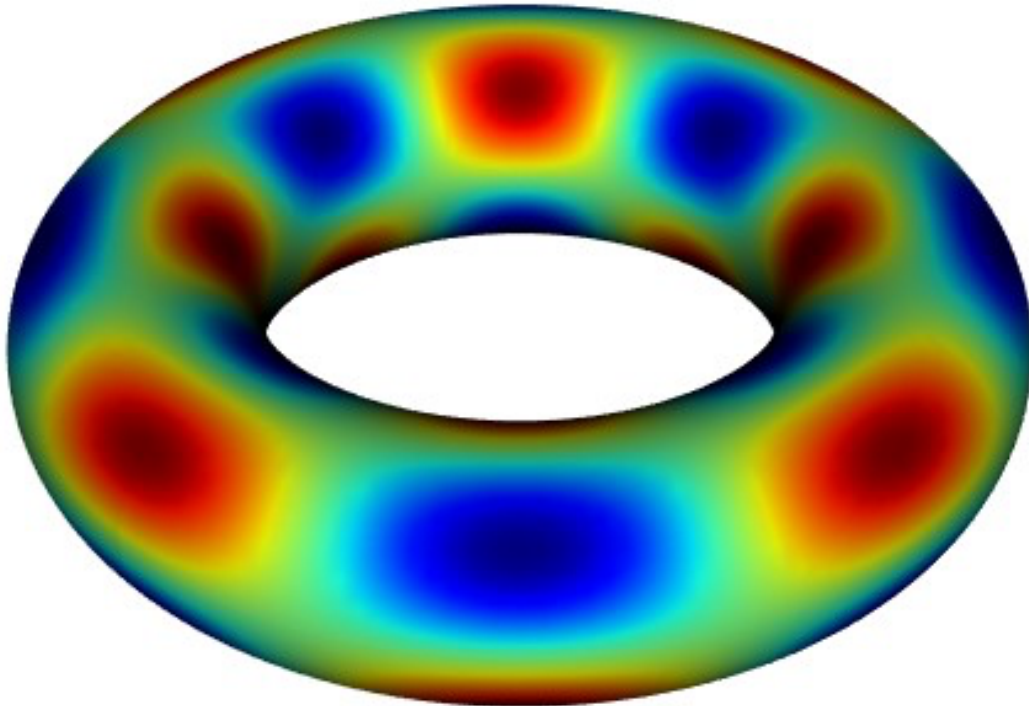


# MULTISCALE MODELLING OF ENVIRONMENTAL AND FREE SURFACE FLOWS WITH PARTICLE BASED METHODS

MOVEFREE Project



2<sup>nd</sup> Workshop

24 – 25 September 2025

Supported by the Hellenic Foundation for Research and Innovation (H.F.R.I.) under the “2nd Call for H.F.R.I. Research Projects to support Faculty Members & Researchers” (**Project Number: 4584**).



# Partner Institutions



## Timetable

### Wednesday, 24 September

17:00 – 18:00	Registration & Coffee
18:00 – 19:00	Introduction to the Workshop
19:00 – 20:00	Round Table Discussion
20:00	Dinner

### Thursday, 25 September

09:00 – 09:30	Registration & Coffee
09:30 – 10:00	Briefing of the first day of the Workshop
10:00 – 11:00	<b>George Sofiadis</b> (University of Thessaly) Python Algorithms for Turbulent Flows
11:00 – 12:00	<b>Apostolos Palasis</b> (University of Thessaly) PINNs Algorithms for Turbulent Flows
12:00 – 13:00	<b>Efstathios Chatzoglou</b> (University of Thessaly) Advancements in SPH Methods
13:00 – 14:00	Lunch Break
14:00 – 15:00	<b>Filippos Sofos</b> (University of Thessaly) Machine Learning Advancements in Turbulent Flows
15:00 – 16:00	<b>Theodoros Karakasidis</b> (University of Thessaly) Investigating Turbulent Characteristics using Time Series Methods
16:00 – 17:00	<b>Ioannis Sarris</b> (University of West Attica) Direct Numerical Simulations of Turbulent Flows
17:00 – 18:00	<b>Antonios Liakopoulos</b> (University of Thessaly) Turbulence Modeling
18:00 – 18:15	Closing Remarks
20:00	Dinner



## **Additional Information**

- Lectures will be held in the conference room of the second floor at central administration building (201).