

HACKATHON



FRENCH MARITIME ACADEMY

ÉCOLE NATIONALE
SUPÉRIEURE MARITIME

www.supmaritime.fr

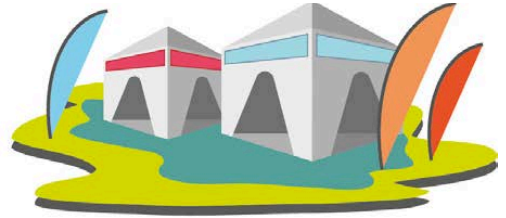


THE HYDROCONTEST PROJECT & ITS KEY FIGURES



100

PARTICIPATING SCHOOLS



1

INNOVATION EXHIBITION

1 EXCEPTIONAL VENUE



MARSEILLE CITY'S NAUTICAL STADIUM -
Florence Artaud



10

NATIONALITIES



30

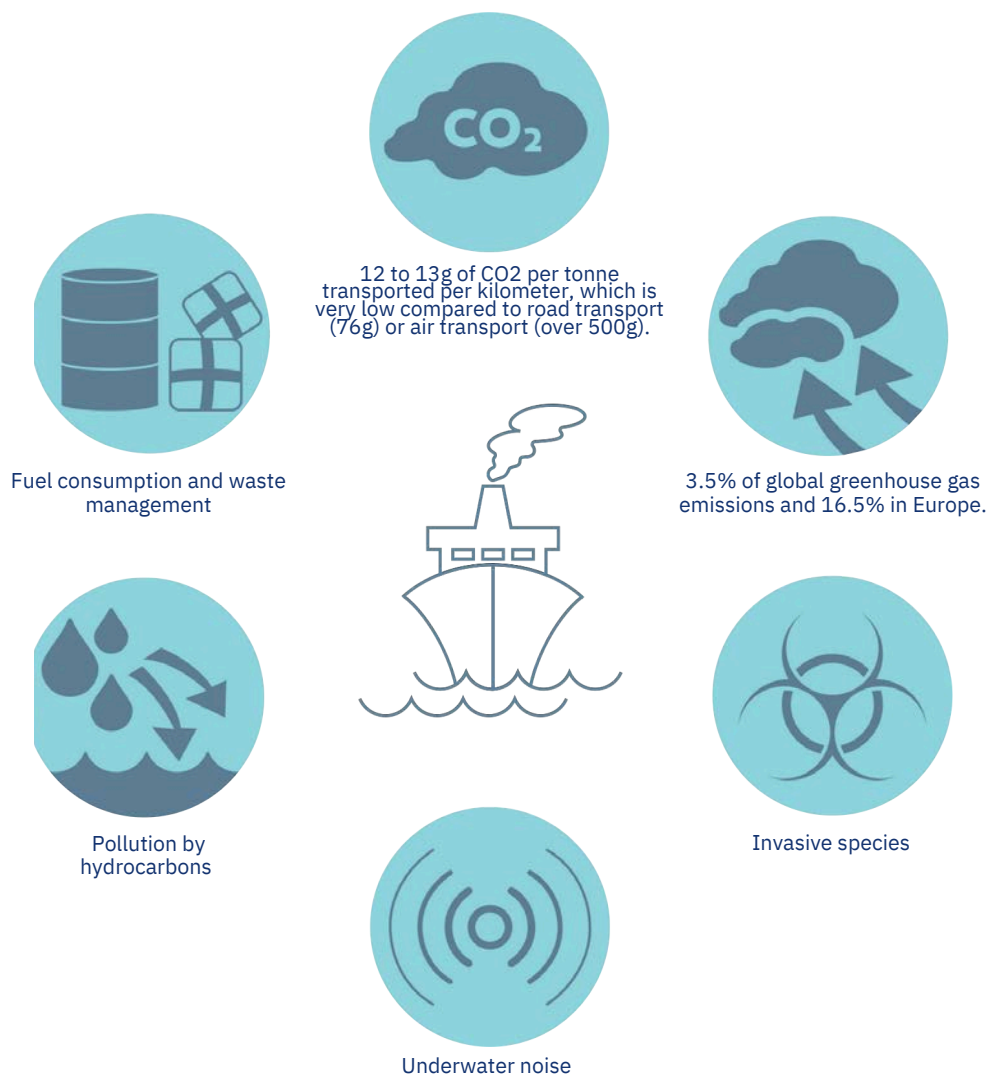
PRE-SELECTED HACKATHON TEAMS

THE CHALLENGES OF MARITIME TRANSPORT

Maritime transport represents a major environmental challenge. Although it emits less CO₂ per tonne transported than other modes of transport, it is responsible for 3,5% of global greenhouse gas (GHG) emissions due to its scale

Indeed, the volume of goods transported by sea has quadrupled since the 1970s, reaching 13 billion tonnes in 2023.

In this context, maritime industry stakeholders must prepare for the future by focusing on the energy transition, an urgent necessity for the industry.



HACKATHON PRESENTATION



What is the HydroContest By ENSM Hackathon?

HydroContest By ENSM is organizing this year an exceptional Hackathon dedicated to maritime innovation and the energy transition. This unique challenge will bring together students passionate about engineering, navigation, and innovation to come up with concrete solutions to the challenges of sustainable maritime mobility.

Why participate?

- **Enriching experience:** Put your skills in engineering, project management, and creativity into practice.
- **Interdisciplinary collaboration:** Work in teams with students from diverse backgrounds (engineering, design, aerospace, economics, naval, environment, etc.).
- **Visibility and opportunities:** Present your ideas to a panel of experts and expand your professional network.
- **Prizes and rewards:** Prizes will be awarded to the top 3 teams to recognize their innovations.



"This hackathon is a new opportunity for maritime transport, which has already begun its transformation. Decarbonization is not an option, it is a necessity, and it is being thought about from the schools today. Come in large numbers to be the actors of the energy transition through Hydrocontest, a laboratory for building the maritime transport of tomorrow."

François Lambert
ENSM General Director



Who can participate?

This event is open to higher education institutions and universities, wishing to register one or more teams under their banner. Each team will consist of 3 to 10 students, either from the same institution or through inter-school collaboration.



Hackathon Process:

- **Announcement of the study topic:** The organizing team will reveal the challenge to be tackled on April 18, 2025
- **Reflection and design phase :** Teams will have just over 2 months to analyze the topic, propose innovative solutions, and develop a detailed project in digital format.
- **A pre-selection** of the 30 best submissions will be submitted to the jury.
- **Pitch in front of the jury:** The 10 finalist teams, selected by the jury, will present their project in front of a panel of professionals from the maritime sector.
- **Award ceremony:** The top 3 teams will be rewarded.



Important dates:

- **March 31th, 2025:** Deadline for pre-registration;
- **April 15th, 2025:** Deadline for registration;
- **April 18th, 2025:** Sending of the dataset to registered teams for the competition;
- **July 1st, 2025:** Deadline for submitting project files;
- **July 18th, 2025:** Deadline for revising project files for teams whose submissions are not compliant;
- **July 18th to August 30th, 2025:** Analysis and pre-selection of project files by the jury;
- **September 1st to 14th, 2025:** Jury deliberation;
- **September 15th, 2025:** Results published on our website;
- **September 26th, 2025:** Award ceremony.



"What vessels for sustainable maritime transport that respects climate goals?"

The HydroContest By ENSM Hackathon is an international competition that allows students to engage in teams within this new paradigm.

It is a fantastic opportunity to imagine and implement solutions that address the challenges posed by the energy transition."

Olivier DANIEL

Teacher FON - Initiator of the Hackathon project for HydroContest By ENSM



HOW TO REGISTER A TEAM

Participation requirements

The Hackathon by ENSM is an international competition open to students aged 18 to 30 years on the day of the project submission deadline, who are enrolled in full-time studies for the 2024-2025 academic year at any scientific university, engineering school, or maritime training institution.

Participation in the competition can be undertaken by students independently of their studies or as part of their academic curriculum.

Students form a team under the responsibility of an academic supervisor who legally and administratively represents their institution. The academic supervisor, whether a teacher or other staff member, must be part of the institution's personnel. Their role is to guide and support the students throughout the project.

Multiple teams can participate from the same institution. It is also possible to form a team with students from different institutions.

Registration process:

Registration for the Hackathon by ENSM is free of charge.

March 31th, 2025: Deadline for teams to express their intention to participate in the competition by submitting the pre-registration form in Annex 1, duly filled out by the team manager.

April 15th, 2025: Deadline for the Organizer to receive the registration forms (Annex 2), validated by the institution's management, and accompanied by the required documents.

The pre-registration and registration forms must be submitted electronically to the following address:

hackathonhydrocontest@supmaritime.fr

Teams will be notified of their final registration by the organizer after the submitted documents have been verified. The Organizer reserves the right to refuse the registration of a team if their submission is deemed incomplete.



ANNEXES

REGISTRATION FORMS

“

Make your life a dream,
and a dream, a reality!

Antoine de Saint Exupéry

”





Formulaire de Pré-inscription Hackathon
HydroContest by ENSM
Pre-Registration Form
Hackathon HydroContest by ENSM

Etablissement participant / *Participating institution*

Nom de l'établissement / *School name* :

Pays / *country* :

Adresse postale / *postal address* :

.....

Adresse mail / *e-mail address* :

.....

Numéro de téléphone + code pays / *Phone number + country code*:

.....

Personne référente / *Referring person*

Nom / *Last name*:

Prénom / *first name*:

Fonction au sein de l'établissement / *Position in the school*:

.....

Adresse Mail / *mail address* :

Engagement de l'ENSM(1)/ *ENSM's commitment(1)*

En soumettant le formulaire de pré-inscription, l'ENSM s'engage à / *By submitting the pre-registration form, ENSM commits to :*

-Fournir les informations nécessaires concernant les modalités de participation au Hackathon de l'HydroContest by ENSM, en envoyant le règlement, au plus tard le 18 avril 2025 / *Provide the necessary information regarding the participation terms for the HydroContest by ENSM Hackathon, by sending the regulations no later than april 18th, 2025.*

-Examiner attentivement toutes les candidatures reçues / *Carefully review all applications received.*

-Gérer l'organisation logistique du Hackathon / *Manage the logistical organization of the Hackathon.*

-Accompagner les établissements souhaitant participer dans leurs démarches de pré-inscriptions en répondant à leurs sollicitations / *Assist the institutions wishing to participate in their pre-registration process by responding to their requests.*

(1) Le présent document a vocation à préparer la mise en place du Hackathon, il n'a pas de valeur contractuelle. En cas de volonté persistante à participer, un formulaire d'inscription devra être transmis à l'organisation pour inscription ferme et définitive / *This document is intended to prepare for the implementation of the Hackathon; it has no contractual value. In the event of a continued intention to participate, a registration form must be submitted to the organization for a firm and final registration.*

Engagement de l'établissement participant / *Commitment of the participating school*

En signant cette pré-inscription, l'établissement s'engage à / *By signing this pre-registration, the institution commits to :*

-Promouvoir auprès de ses étudiants les informations relatives au Hackathon HydroContest by ENSM organisé par l'ENSM / *Promote to its students the information related to the HydroContest by ENSM Hackathon organized by ENSM.*

-Étudier avec soin la faisabilité réelle de sa participation au Hackathon / *Carefully assess the actual feasibility of its participation in the Hackathon.*

Évaluer la capacité de respecter les délais imposés par l'ENSM pour un rendu de dossier au 1er juillet 2025 / *Evaluate the ability to meet the deadlines set by ENSM for submitting the file by July 1, 2025.*

Date/*Date* :.....

Visa et tampon du chef de l'établissement / *Head of school signature and stamp :*

Formulaire d'inscription Hackathon d'HydroContest by ENSM

Registration Form

Hackathon HydroContest by ENSM



Final deadline for registration and submission of supporting documents: April 15th, 2025.

Etablissement participant / *Participating institution*

Nom de l'établissement ou des établissements participants - si regroupement / *Name of the participating institution(s) – if a collaboration:*

.....
.....

Définition juridique du ou des établissement(s) / *Legal definition of the institution(s):*

.....
Pays / *Country:*.....

Adresse postale de l'établissement référent / *Postal address of the reference institution:*

.....
.....
.....

Personne référente / *Referring person*

Nom / *Last name:*

Prénom / *first name:*

Fonction au sein de l'établissement / *Position in the school :*.....

.....

Adresse Mail / *mail address:*

Numéro de téléphone + code pays / *Phone number + country code:*

.....

Engagement de l'établissement participant / *Commitment of the participating institution*

En signant cette inscription, l'établissement s'engage à fournir au plus tard le 15 avril les informations suivantes / *By signing this registration, the institution commits to providing the following information no later than April 15th :*

- La description de l'équipe, incluant les noms des personnes de celles-ci ainsi que celui du référent académique / *The description of the team, including the names of its members as well as the name of the academic reference.*
- Une photo de l'équipe / *A photo of the team.*
- Une déclaration de l'équipe confirmant qu'elle possède tous les droits de propriété intellectuelle liés à sa participation / *A statement from the team confirming that it holds all intellectual property rights related to its participation.*
- Toutes les informations de communication nécessaires permettant à l'organisateur de promouvoir l'équipe / *All necessary communication information allowing the organizer to promote the team.*

De plus, les équipes doivent fournir à l'organisation, au plus tard le 1er juillet 2025 sous forme numérique à l'adresse suivante / *Additionally, teams must provide the organization, no later than July 1, 2025, in digital format to the following address:*

hackathonhydrocontest@supmaritime.fr

- Un dossier projet dont les pièces justificatives sont décrites dans le règlement du Hackathon à l'article 3 / *A project file with the supporting documents described in the Hackathon regulations under Article 3.*

Engagement de l'organisateur :

- Répondre aux questions des équipes / *Answering the teams' questions,*
- Organiser la logistique du Hackathon / *Organizing the logistics of the Hackathon*
- Valoriser les vainqueurs conformément à l'article 5 du règlement du Hackathon / *Recognizing the winners in accordance with Article 5 of the Hackathon regulations.*

Date/*Date* :.....

Visa et tampon du chef de l'établissement / *Head of school signature and stamp :*



MINISTÈRE CHARGÉ DE LA MER ET DE LA PÊCHE

*Liberté
Égalité
Fraternité*



An initiative supported by the State through the Maritime Intervention Fund (FIM), operated by the Directorate General for Maritime Affairs, Fisheries, and Aquaculture (DGAMPA).

CONTACTS

HydroContest Project Manager

Caroline PONS
+33 6 72 82 27 61
caroline.pons@supmaritime.fr

Foundation Director

François LAMBERT
francois.lambert@supmaritime.fr



Communications Officer

Marie GATTO
communication.hydrocontest@supmaritime.fr



HYDROCONTEST

By ENSM

ENSM - www.supmaritime.fr - ensm@supmaritime.fr

Site du Havre et Siège
social 10, Quai Frissard
76600 Le Havre +33(0)9
70 00 03 80

Site de Marseille 39,
avenue du Corail
13285 Marseille
+33(0)9 70 00 03 80

Site de Nantes Campus de
l'Ecole Centrale - Bât. C 1 rue de
la Noë - 44300 Nantes +33(0)9
70 00 03 80

Site de Saint-Malo
38 rue Croix Desilles
35400 Saint-Malo
+33(0)9 70 00 03 80