

PROGRAM &

PARTICIPANT'S WORKBOOK

First edition of the Pan-Canadian and International Fall
School on Hydrogen Safety & Entrepreneurship

Pan-Canadian Hydrogen Hub Alliance



September 27,
October 01 - 2026



TROIS-RIVIÈRES
QUÉBEC, CANADA



PARTNERS

Hydrogène
Québec



CO-ORGANIZERS

UQTR



Université du Québec
à Trois-Rivières



INSTITUT
DE RECHERCHE
SUR L'HYDROGÈNE

Quebec Metallurgy Center



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la Transition
Énergétique



Centre de métallurgie du Québec

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ABOUT THE EVENT



The first edition of the **Pan-Canadian and International Fall School on Hydrogen Safety & Entrepreneurship** will be held from **September 27 to October 1, 2026**, in **Trois-Rivières**, alongside the second edition of **HYVOLUTION CANADA**, an international event dedicated to

hydrogen. It will bring together participants from various **Canadian hydrogen hubs**, to mark the first anniversary of the signing of the alliance among these hubs of the Canadian hydrogen sector.

The five-day intensive program (organized by UQTR and its partners) with several activities aims to bring together the next generation of scientists and experts to address hydrogen's Key role in the environmental and energy transition.

OBJECTIVES

-  Develop a strong understanding of **hydrogen safety** principles and best practices.
-  Foster **collaboration** between academia, industry and government.
-  Promote **innovation** and **entrepreneurship** within the hydrogen sector.
-  Build an international **professional network**.
-  Explore key **supply chain** and **geopolitical aspects** of the hydrogen sector.

20+

PARTICIPANTS



20+

SPEAKERS & EXPERTS



5

TECHNICAL VISITS & WORKSHOPS



1

INTERNATIONAL CONFERENCE





WELCOME MESSAGE

Dear Participants,

It is our great pleasure to welcome you to the **International Fall School on Hydrogen Safety & Entrepreneurship** at the Université du Québec à Trois-Rivières (UQTR).

This week has been designed to provide a unique learning experience that combines scientific excellence, practical training, entrepreneurship, and international collaboration. Through lectures, technical visits, workshops, and participation in **HYVOLUTION Canada 2026**, you will have the opportunity to discover the latest advances in hydrogen technologies while connecting with leading researchers, industry experts, and fellow participants from around the world.

Hydrogen is playing an increasingly important role in the global energy transition. Developing safe, innovative, and sustainable hydrogen solutions requires multidisciplinary collaboration and the engagement of the next generation of scientists, engineers, and entrepreneurs.

We hope this program will inspire you, strengthen your knowledge, and create lasting professional relationships that will contribute to the future of clean energy.

We wish you an enriching week filled with learning, discovery, and collaboration.

We are delighted to welcome you to UQTR and to the city of Trois- Rivières.

Welcome, and enjoy the Fall School!
The members of the organizing committee

DAY 1

SUNDAY

SEPTEMBER 27, 2026

HYDROGEN SAFETY & WELCOME TO UQTR

LEARNING OBJECTIVES

- Understand the fundamentals of hydrogen safety.
- Identify the main risks associated with hydrogen technologies.
- Discover the research facilities of the Institut de recherche sur l'hydrogène (IRH).



SCHEDULE



UQTR
A-1033



SHUTTLE
BUS

8:30 – 9:00 AM	Bus from Auberge du monde to UQTR
9:00 – 9:30 AM	Welcome & School introduction
9:30 – 10:00 AM	Quebec H2 Hub presentation
10:00 – 10:30 AM	Break
10:30 – 12:00 AM	H2 Safety Course (Part 1)
12:00 – 1:30 PM	Lunch
1:30 – 3:00 PM	H2 Safety Course (Part 2)
3:00 – 3:30 PM	Break
3:30 – 5:00 PM	IRH Visit
5:30 PM	Bus to BBQ
6:00 – 8:45 PM	BBQ at Simon's place
8:45 PM	Bus to Auberge du monde

ACTIVITY HIGHLIGHTS

HYDROGEN SAFETY COURSE

This training covers the essential principles of hydrogen safety, including hydrogen properties, risk assessment, safe handling, storage practices and emergency procedures. Delivered by experts from the Hydrogen Research Institute (IRH), the course provides participants with the knowledge required to work safely with hydrogen technologies.



COURSE INSTRUCTOR
Raphaël Gervais Lavoie, PhD
A recognized expert in the field of hydrogen and a key member of the Hydrogen Research Institute team since 2014 (IRH), UQTR



INSTITUT DE RECHERCHE SUR L'HYDROGÈNE (IRH)

Participants will visit the IRH laboratories and discover cutting-edge research in hydrogen production, storage, fuel cells, advanced materials and clean energy systems.



WELCOME BBQ & NETWORKING

End the day in a relaxed atmosphere with fellow participants, professors, researchers and industry partners.



Founded
in 1994



19
Research faculty
members



100 +
Students and
researchers staff

DAY 2

MONDAY
SEPTEMBER 28, 2026

**INNOVATION, COLLABORATION &
ENTREPRENEURSHIP**

 **UQTR**
(ATRIUM)

 **SHUTTLE**
(BUS)

SCHEDULE

8:00 AM	Bus from Auberge du monde to UQTR
8:30–10:00 AM	Workshop 1 : Entrepreneurship
10:00–10:30 AM	Break
10:30–11:30 AM	H ₂ Geopolitic Presentation
11:30 AM–12:00 PM	H ₂ Safety Landscape Presentation
12:00–1:30 PM	Lunch
1:30–3:30 PM	Workshop : Social Innovation
3:30–4:00 PM	Break
4:00–6:00 PM	Workshop 2 : Entrepreneurship
Evening	Group Photo / Bus
Evening	Supper

PAN-CANADIAN HYDROGEN HUBS ALLIANCE

The Pan-Canadian Hydrogen Hubs Alliance unites five leading regional hydrogen organizations across Canada to accelerate clean energy innovation and the transition to a low-carbon economy.

The Alliance is founded by the Energy Transition Valley (VTE, Québec), Simon Fraser University's Clean Hydrogen Hub (British Columbia), the Newfoundland and Labrador Hydrogen Innovation Partnership (HyIP), the Edmonton Regional Hydrogen Hub (Alberta), and more recently the Atlantic Hydrogen Alliance (AHA) which joined the partnership.

ACTIVITY HIGHLIGHTS

Workshops Entrepreneurship

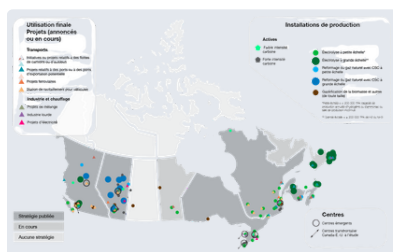
Two team-based working sessions will be devoted to exploring the creation of a local business in the hydrogen sector, including its various potential applications. Participants will be guided by coaches to facilitate discussion and stimulate ideas.

This workshop will be led by **Mathieu Baudy, Ph.D**, Special Projects Manager at RQEI.



Session of presentations

The presentations will allow participants to deepen their understanding of Canada's hydrogen (H₂) ecosystem, with a particular focus on geopolitical issues and security concerns.



Workshop in social innovation

This workshop, presented in the form of a game, will focus on issues related to security and the supply chain for essential strategic minerals in Canada's hydrogen sector. It will be led by Josée Provençal, Ph.D, Assistant Professor in the department of humanities and social sciences / Royal Military College Saint-Jean.



DAY 3 - 4

TUESDAY, SEPTEMBER 29 &
WEDNESDAY, SEPTEMBER 30, 2026

SECOND EDITION
OF HYVOLUTION
CANADA 2026

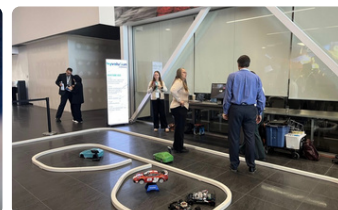


Hyvolution
CANADA



ABOUT HYVOLUTION CANADA

HYVOLUTION Canada is North America's leading hydrogen event, bringing together researchers, manufacturers, technology developers, policy makers and industry leaders from around the world. Participants will attend conferences, technical sessions, panel discussions and visit the exhibition showcasing the latest hydrogen innovations and real-world solutions.



HIGHLIGHTS



**INTERNATIONAL
COLLABORATION**



**NETWORKING
OPPORTUNITIES**



**INNOVATION
EXHIBITION**



**INSPIRING
DISCUSSIONS**



**INTERNATIONAL
CONFERENCES**

SCHEDULE

DAY 3



8:30 AM - 5:10 PM
Hyvolution Canada 2026
Conferences & Panels



7:00 - 11:00 PM
Hydrogen Evening
Amphithéâtre Cogeco

DAY 4



8:30 AM - 4:10 PM
Hyvolution Canada 2026
Conferences & Panels



EVENING
Supper in downtown

LOCATION



Le Centre d'Évènements et de Congrès
Interactifs (CECI) - 1634 Rue Notre Damev
Centre, Trois-Rivières, QC G9A 6B2



NO SHUTTLE

There is no shuttle on Days 3 & 4.
Participants will move around on foot.



DAY 5

THURSDAY
OCTOBER 1, 2026

TEAMWOR, PRESENTATIONS & CLOSING CEREMONY

ACTIVITY HIGHLIGHTS



CMQ'S WORKSHOP

A workshop lead by an expert (Ayoub Tanji) from the center de métallurgie du Québec (CMQ) focusing on advanced materials, solid hydrogen storage and industrial applications supporting the energy transition.



INNOFIBRE HUB'S VISIT

Visit the Innofibre Hub with representatives from RQEI. This new facility is dedicated to the development of projects in biochar, bio-based products, the recovery of residual bioresources, and decarbonization.



FINAL PREPARATION FOR TEAM WORK PRESENTATIONS

Teams finalize their presentations with coaching and support to ensure clear, impactful and professional delivery.



TEAM WORK PRESENTATIONS

Each team presents their project to a panel of experts from academia, industry, entrepreneurship project and innovation organizations.



SCHEDULE

7:45 – 8:15 AM	Bus from Auberge du monde to CMQ
8:30 – 10:00 AM	CMQ's Workshop
10:00 – 10h30 AM	Bus to Innofibre
10:00 – 12:00 AM	Innofibre Hub's visit- RQEI
12:00 – 1:30 PM	Bus to CMQ & Lunch
1:30 – 3:00 PM	Final preparation for the teamwork
3:00 – 3:30 PM	Break
3:30 – 5:00 PM	Teamwork presentations
5:00 – 5:30 PM	Final words - certification
6:00 PM	Bus
Evening	Final supper

LEARNING OBJECTIVES

- Finalize and present team projects.
- Receive feedback from experts and peers.
- Reflect on key learnings and takeaways from the week.
- Strengthen connections within the hydrogen community.



CMQ

CENTRE DE MÉTALLURGIE DU QUÉBEC



TRANSPORT

SHUTTLE (BUS)

FALL SCHOOL PROGRAM

AT A GLANCE

A five-day intensive program combining scientific training, visits, workshops, conferences and networking opportunities.

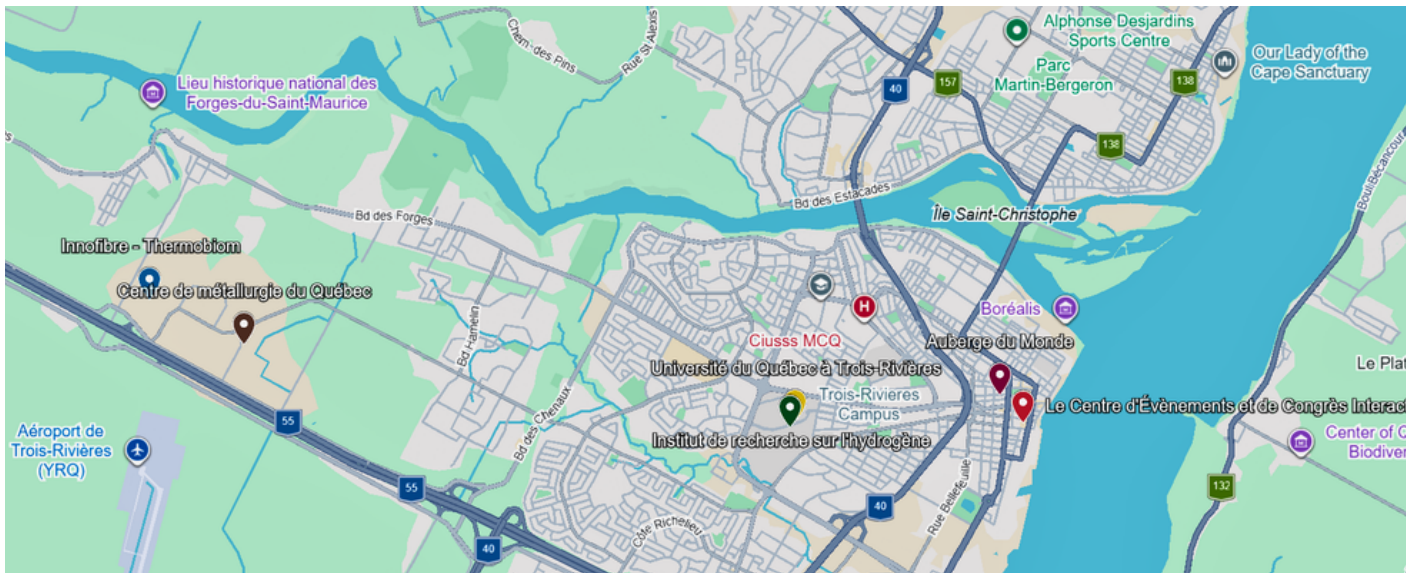


DAY	DATE	KEY ACTIVITIES
<u>DAY 1</u> UQTR (Shuttle) 	Sunday September 27 2026	• Entrepreneurship Workshops • Canadian Hydrogen Ecosystem Presentations • Social Innovation Workshop • Supper
<u>DAY 2</u> UQTR (Shuttle) 	Monday September 28 2026	• School Introduction & Quebec Hub Presentation • Hydrogen Safety Training (3 hours of CECs) • IRH Visit • Welcome BBQ
<u>DAY 3</u> CECI 	Tuesday September 29 2026	• HYVOLUTION CANADA 2026 Conferences & Exhibition • La nuit de l'hydrogène (Supper at Amphithéâtre Cogeco)
<u>DAY 4</u> CECI 	Wednesday September 30 2026	• HYVOLUTION CANADA 2026 Conferences & Exhibition • Supper in downtown
<u>DAY 5</u> CMQ (Shuttle) 	Thursday October 1 2026	• 2 Visits (CMQ & Innofibre Hub with RQEI) • Teamwork Preparation & Presentations • Final Words, Closing Ceremony & Final Supper

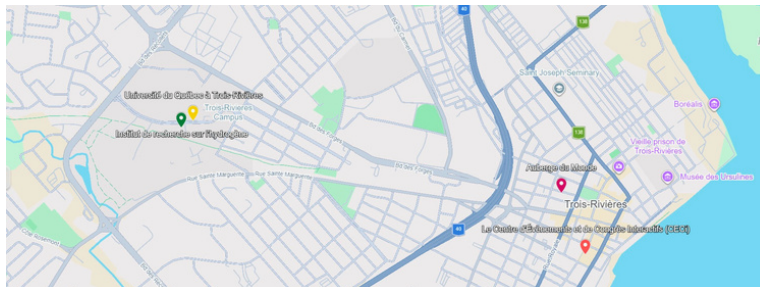
EVENT LOCATIONS

TROIS-RIVIERES, QUEBEC, CANADA

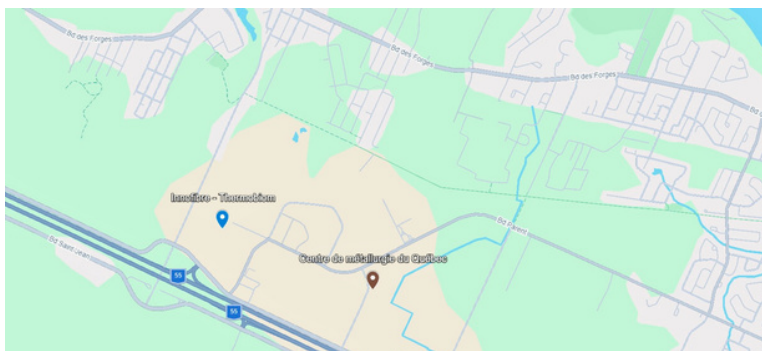
Find below the key locations for the Fall School activities, accommodation and technical visits.



CITY CENTRE - MAIN LOCATIONS



TECHNICAL VISITS - DAY 5



LEGEND

-  **Université du Québec à Trois-Rivières**
3351 Bd des Forges, Trois-Rivières, QC G8Z 4M3
-  **Institut de recherche sur l'hydrogène**
Pavillon Tapan-K.-Bose, 3351 Bd des Forges, Trois-Rivières, Quebec G9A 5H7
-  **Le Centre d'Événements et de Congrès Interactifs (CECI)**
1634 Rue Notre Dame Centre, Trois-Rivières, QC G9A 6B2
-  **Auberge du Monde**
497 Rue Radisson, Trois-Rivières, QC G9A 2C7
-  **Centre de métallurgie du Québec**
3095 Rue Westinghouse, Trois-Rivières, QC G9A 5E1
-  **Innofibre - Thermobiom**
9905 Bd Parent, Trois-Rivières, QC G9A 5E1

PRACTICAL INFORMATION

LOGISTICS

ARRIVAL

We recommend arriving at least the day before, i.e., on Saturday, September 26.

KEY LOCATIONS

Auberge du Monde

497 Rue Radisson,
Trois-Rivières, QC G9A 2C7

Bus Station (Orléans Express)

275 Rue St Georges,
Trois-Rivières, QC G9A 2K1

Centre d'Événements
et
de Congrès
Interactifs (CECI)
(HYVOLUTION Canada
2026)

1634 Rue Notre Dame
Centre.
Trois-Rivières, QC G9A 682

Amphithéâtre Cogeco

100 Av. des Draveurs,
Trois-Rivières, QC G9A 5H3



The Delta Trois-Rivières Hotel, the CECi, and the bus station are located in the same building.

Day1, Day2, and Day5



A shuttle will depart from the Auberge du monde to the activity sites.
A stop will be made in downtown (Delta Trois-Rivières Hotel) for professionals/employees.



Day3, and Day4

No shuttle; Each participant will walk to the CECi, where HYVOLUTION Canada 2026 will take place.



ACCOMMODATION



Students and postdoctoral fellows

Accommodation is included for students and postdoctoral fellows at the youth hostel from **Saturday, September 26 to Friday, October 2 (6 nights)**.



Auberge du Monde

497 Rue Radisson,
Trois-Rivières, QC G9A 2C7



The Auberge du Monde is just a 10-minute walk from the bus station.



Professionals/ employees

Accommodation is not included for professionals/employees. It's up to you to book your lodging.

Some Hotels in downtown:

• **Delta Trois-Rivières by Marriott** (promo code available before August 31, from IDE-TR with HYVOLUTION)

• **Hôtel Gouverneur Trois-Rivières**
<https://www.trois-rivieres.gouverneur.com/en/>



MEALS

Students and postdoctoral fellows

- Breakfast at the Auberge du Monde
- Lunch
- Supper

Included for Day1 (Sunday), Day2, Day3, Day4, and Day5 (Thursday).

Professionals employees

- Lunch
- Supper

**Included for Day1 (Sunday), Day2, Day3, Day4, and Day5 (Thursday).
Breakfast is not included.**

The organizers will announce the location of the suppers in town at the appropriate time.

For all participants, meals on the day before (Saturday, September 26) and the day of departure (Friday, October 2) are NOT INCLUDED.



CONTACTS

CONTACT PERSON	ORGANIZATION	EMAIL
Juliette Garcia	UQTR	Juliette.Garcia@uqtr.ca
Thomas Auvray	UQTR - IRH	Thomas.Auvray@uqtr.ca
Hiba Roubio	UQTR	Hiba.Roubio@uqtr.ca
Simon Barnabé	UQTR - I2E3	Simon.Barnabe@uqtr.ca

THANK YOU

for being part of this journey!

We hope this International Fall School on Hydrogen Safety & Entrepreneurship has inspired you, expanded your knowledge, and created connections that will last beyond this week.

***Together, we are building
a sustainable hydrogen future.***



MEET THE EXPERTS BEHIND THE FALL SCHOOL

Name	Email	Status	Organization
Thomas Auvray	Thomas.Auvray@uqtr.ca	Organizer & Speaker	UQTR-IRH
Clément Villemont	cvillemont@zivte.com	Organizer & Speaker	VTE
Simon Barnabé	Simon.Barnabe@uqtr.ca	Organizer & Speaker	UQTR-I2E3-RQEI
Raphael Gervais Lavoie	Raphael.Gervaislavoie@uqtr.ca	Speaker	UQTR-IRH
Nassim Noura	Nassim.Noura@uqtr.ca	Speaker	UQTR-IRH
Juliette Garcia	Juliette.Garcia@uqtr.ca	Organizer & Logistics	UQTR-CIRIF
Hiba Roubio	Hiba.Roubio@uqtr.ca	Graphic design & Logistics	UQTR
Mathieu Baudy	Mathieu.Baudy@uqtr.ca	Speaker	UQTR
Rahma Chouchane	rahma.chouchane@fsa.ulaval.ca	Coatch	Laval University
Younès Bareha	Younes.Bareha@uqtr.ca	Coatch	UQTR
Maxim Montminy	Maxim.Montminy@uqtr.ca	Coatch	UQTR-CEI
Nirmal Gnanapragasam	nirmal_gnanapragasam@ch2sc.ca	Speaker	CH2SC
Josée Provençal	josee.provencal@cmrsj-rmcsj.ca	Speaker	Royal Military College Saint-Jean
Ayoub Tanji	ayoub.tanji@cegeptr.qc.ca	Speaker	CMQ
Julien Bley	julien.bley@cegeptr.qc.ca	Speaker	Innofibre
Claudie Beaudoin	Claudie.Beaudoin@uqtr.ca	RQEI partner	RQEI



Réseau québécois
sur l'énergie **intelligente**

Réseau québécois sur l'énergie intelligente

Une synergie collège-université qui accélère
la recherche et favorise le transfert technologique



110+
chercheur-ses



200+
étudiant-es



11
universités



8
cégeps



17+
laboratoires
partagés

PROGRAMMATION SCIENTIFIQUE

AXE 1

Systèmes véhiculaire
verts et intelligents



AXE 2

Gestion intelligente
des systèmes
stationnaires



AXE 3

Stockage et
conversion
de l'énergie



DEVENEZ MEMBRE ÉTUDIANT

Accédez à un réseau dynamique,
à des ressources exclusives
et à des opportunités de recherche
stimulantes.



SCANNEZ-MOI



PROFITEZ DES BOURSES DE MOBILITÉ

Développez votre expertise
à l'international et contribuez
à l'innovation énergétique
de demain.



SCANNEZ-MOI



INNOVER



COLLABORER



TRANSFORMER



IMPACTER

ENSEMBLE, BÂTISSONS UN AVENIR ÉNERGÉTIQUE INTELLIGENT ET DURABLE.



rquei@uqtr.ca



www.rquei.ca



13



Inter-institutional team on **hydrogen** and **decarbonization**

OUR MISSION

Hydrogen and decarbonization are among the major priorities of the Vallée de la Transition Énergétique (VTE). This inter-institutional unit, involving both the Cégep de Trois-Rivières and UQTR, aims to position itself as a key player in this developing ecosystem. By combining our expertise, we are developing innovative solutions aimed at accelerating the transition to green hydrogen and the decarbonization of industries.

MEETING THE NEEDS OF THE MARKET AND COMMUNITIES

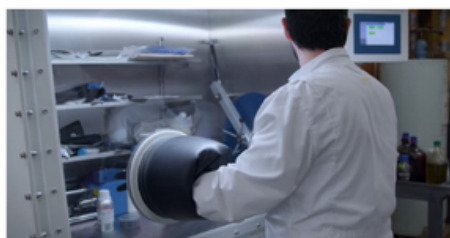
By joining forces, we respond with agility to the needs of the student community and our partners. This unique synergy, supported by state-of-the-art equipment and infrastructure, enables us to offer tailor-made solutions to the energy challenges of today and tomorrow.



**Research, innovation, training:
let's build the expertise of tomorrow!**

A STRUCTURED AND EDUCATIONAL ENVIRONMENT





L'Escouade Énergie:

19 centres de recherche appliquée
pour accélérer vos projets innovants

escouadeenergie.ca

Expertise et équipements
en stockage d'énergie,
bioénergies, hydrogène,
renouvelables et plus

4 novembre 2026
Lac-Mégantic

ESCOUADE
ÉNERGIE

REGROUPEMENT DES CCIT EN TRANSITION ÉNERGÉTIQUE



Réseau québécois
sur l'énergie intelligente



NOTRE PROCHAIN RENDEZ-VOUS AVEC L'ÉCOSYSTÈME:

ÉNERGIES D'ICI

BÂTIR LES ÉCOSYSTÈMES ÉNERGÉTIQUES DE DEMAIN

<https://escouadeenergie.ca/energies-d-ici/>



Partenaire financier

Plan pour une
économie
verte



Québec





PAN-CANADIAN & INTERNATIONAL
FALL SCHOOL

ON HYDROGEN SAFETY & ENTREPRENEURSHIP

The Fall School will take place during Truth and Reconciliation Week.



ACKNOWLEDGEMENT

Trois-Rivières is located on the traditional territory of the Attikameks, and we honor their long history as the keepers of this land, particularly the Saint-Maurice River watershed. We also acknowledge the diverse history of Indigenous peoples in this region, including the Attikameks, Wendat, and other Anishinabeg peoples who have gathered and traveled through this area for centuries, as we are now.

SPONSORS



CO-ORGANIZERS



PARTNERS

