



CIDCO

2025 COLLOQUIUM

IN ASSOCIATION WITH



PRELIMINARY PROGRAM

Towards Inclusive Ocean Management

JUNE 2nd

- 8:30 AM Official Opening
by **Frédéric Blouin**, general manager, CIDCO
- 9:00 AM Opening Address – Honorary Chair
by **speaker** to be announced, CHS
- 9:20 AM Presentation by the Prestige Sponsor
by **speaker** to be announced
- 9:40 AM Presentation by the Keynote Speaker
by **speaker** to be announced

10:00 AM Health Break – Sponsored by
Créneau RSTM Québec Maritime

SESSION 1

CROWD-SOURCED BATHYMETRY (CSB)

Chair: **speaker** to be announced

- 10:30 AM *Évolution et mise à jour de la norme S-44 de l'OHI sur les levés hydrographiques*
by **Christian Comtois**, supervisor – geomatics technical support, CHS
- 10:50 AM DEPTHGUARD : Surveillance automatisée des ports et marinas par bathymétrie collaborative
by **Guillaume Morissette**, IT research and development director, CIDCO
- 11:10 AM Training Space-Based Bathymetry Models Using Community-Acquired Data in Eeyou Istchee Coastal Waters
by **Thomas Jaegler**, project manager, Arctus
- 11:30 AM *Automatisation et standardisation : vers l'intégration de données CSB au SHC*
by **Mathieu Rondeau**, supervisor community hydrography & CSB, CHS
- 11:50 AM HydroBall: Naturally Autonomous Hydrography in Extreme River Environments
by **Munang Dominic Ndeh**, marine geophysicist & hydrographic specialist, Natural Observations

12:10 PM Lunch – Sponsored by the Canadian Hydrographic Association (CHA)

SESSION 2

UNCREWED SURFACE VEHICLES (USVS): INNOVATION AND HYDROGRAPHIC APPLICATIONS

Chair: **Willian Ney Cassol**, Assistant Professor, Université Laval

- 1:15 PM *Estimation des six byamètres d'installation d'un système LiDAR mobile sur plateformes hydrographiques et correction de la trajectoire en cas de perte de signal GNSS*
by **Jordan McManus**, master's research student, Université Laval

- 1:35 PM *Expertise robotisation et drone – maritime*
Expertise in Maritime Robots and Drones
by **Andre Viel**, civil engineering technician, Hydro-Québec and **Matt Holland**, VP Sales - Canada, NORBIT

- 1:55 PM *HYDROMAP : Innovation en inspection des structures maritimes*
by **Jihed Bentahar**, innovation & commercialization manager, CIDCO

- 2:15 PM *USV DriX O16, DriX H9, nouvelle génération de drones maritimes de surface (USV) offrant une plus grande autonomie et une puissance électrique disponible accrue pour la collecte de données hydrographiques*
by **David Vincentelli**, key account director - Hydrography, Exail

- 2:35 PM *L'hydrospatial dans le LabEx REPER 3D : drone hydrographique à faible coût pour levés côtiers à faire soi-même*
by **Willian Ney Cassol**, assistant professor, Université Laval

3:00 PM Health Break

SESSION 3

MARINE HABITAT CHARACTERIZATION AND BIOMASS DETECTION

Chair: **speaker** to be announced

- 3:30 PM Vessel-mounted Lidar - Quiet High Precision Bathymetry
by **Geoffreyjen Edwards**, researcher, Envisioning Labs and **Mehrdad Hosseini**, master's research student, Université Laval
- 3:50 PM *SeapiX + USV DriX – Retour d'expérience : trois levés sur trois années successives d'évaluation de l'impact du développement des bycs éoliens en mer sur les ressources halieutiques*
by **David Vincentelli**, key account director - Hydrography, Exail
- 4:10 PM Inventaires de biomasse benthique automatisés grâce à la robotique marine et l'intelligence artificielle
by **Guillaume Morissette**, IT research and development director, CIDCO

5:00 PM Networking Cocktail
Restaurant Le Rouge Vin (Saint-Quentin Island Marina)

From 6 PM onward – You are warmly invited to a series of live demonstrations at the marina