



The Global Ocean Observing System

CIOOS
CANADIAN INTEGRATED OCEAN
OBSERVING SYSTEM



SIOOC
SYSTÈME INTÉGRÉ D'OBSERVATION
DES OCÉANS DU CANADA

GOOS Regional Alliance Council Meeting

16 April 2025, online

Canadian Integrated Ocean Observing System (CIOOS) Regional and National Updates

Brad de Young, CIOOS Pacific

Anne-Sophie Ste-Marie, St. Lawrence Global Observatory

Shayla Fitzsimmons, CIOOS Atlantic

CIOOS

Progress and Achievement in 2024/2025

- **Navigating uncertainty**
 - Tula Foundation had offered funding for a national office
 - This unlocked additional funding from DFO
 - Tula withdrew, had to renegotiate with DFO
 - Stuck for most of the year, shifting infrastructure from Tula and rebuilding what was lost
- **Coordinating Office**
 - MEOPAR forward and provided some funding for Coordinating office
 - DFO provided additional funding
 - Presently recruiting a Director and additional staff
- **Regional Associations**
 - DFO funding for three years (previously two years) to March 31, 2027
 - DFO strongly supports CIOOS
 - MEOPAR provides key funding to CIOOS Regions
- **Present activities**
 - CIOOS F2F - Halifax - March 2025
 - Building Bridges : AI tools for CIOOS
 - Supporting acoustic data and QA/QC
 - Discussing a public API

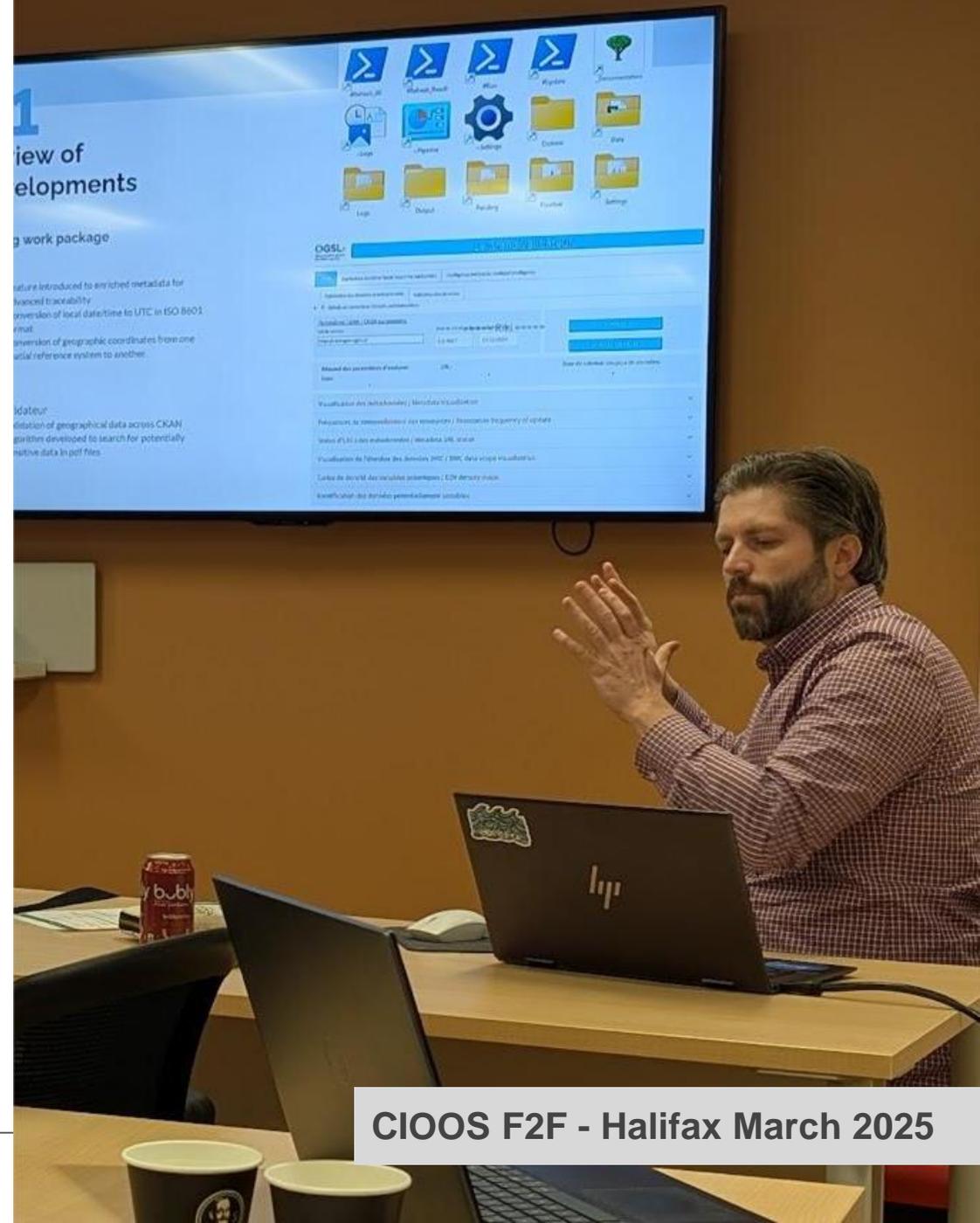


CIOOS F2F - Halifax March 2025



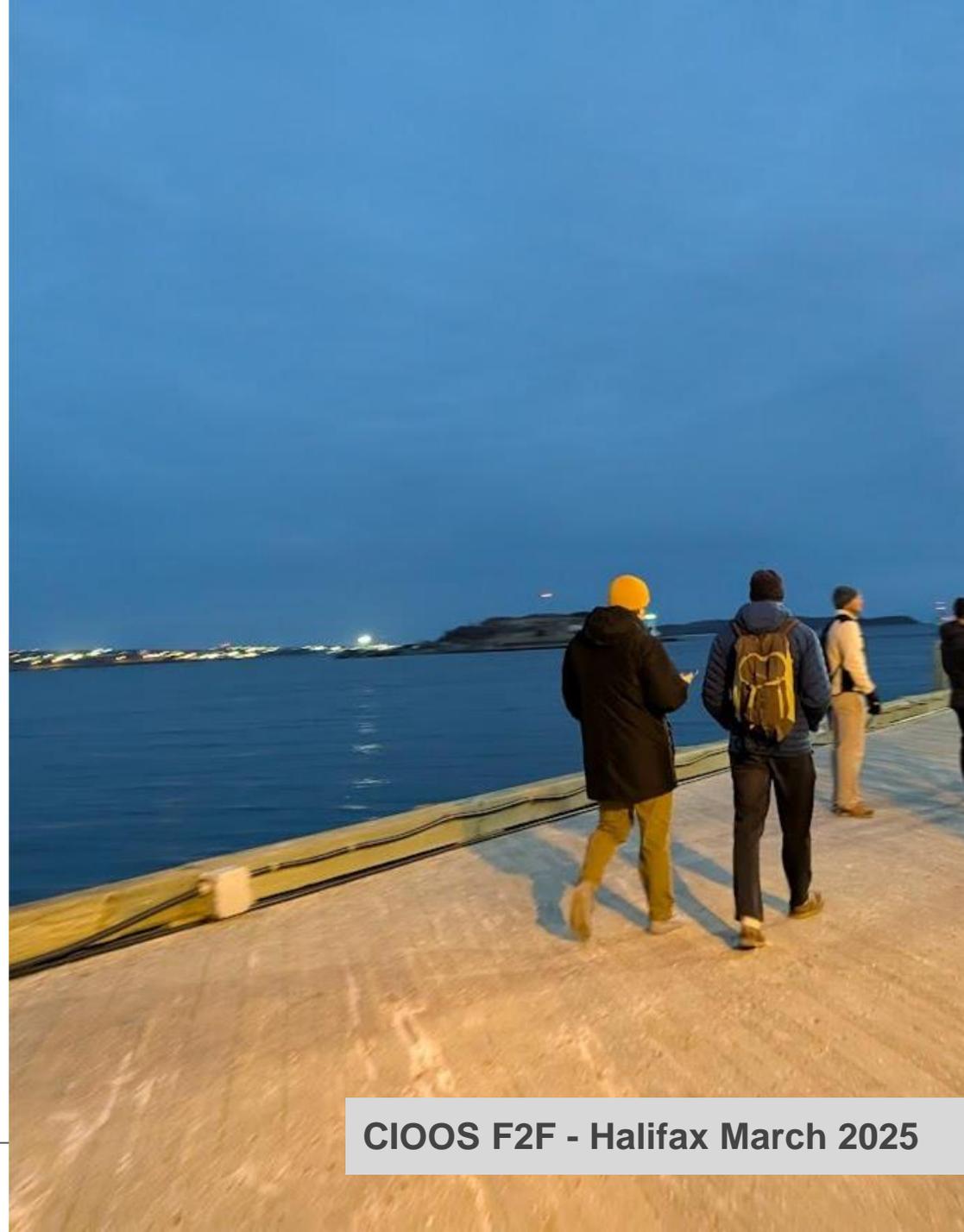
Work plan 2025 and onward

- Developing New Strategic Plan 2026-2031
- Setting up the Coordinating Office
 - New national resources to increase efficiency, effectiveness
- Interregional collaboration opportunities
 - Transforming Climate Action program
 - AI in CIOOS tools: metadata generation including EOVs, refined data research,
 - Common documentation (training, DMP, resources)
- Communities of practice (Modelling, OA, ...)
- Sustainability : increase and diversify funding
- Extension (Arctic, Great Lakes)



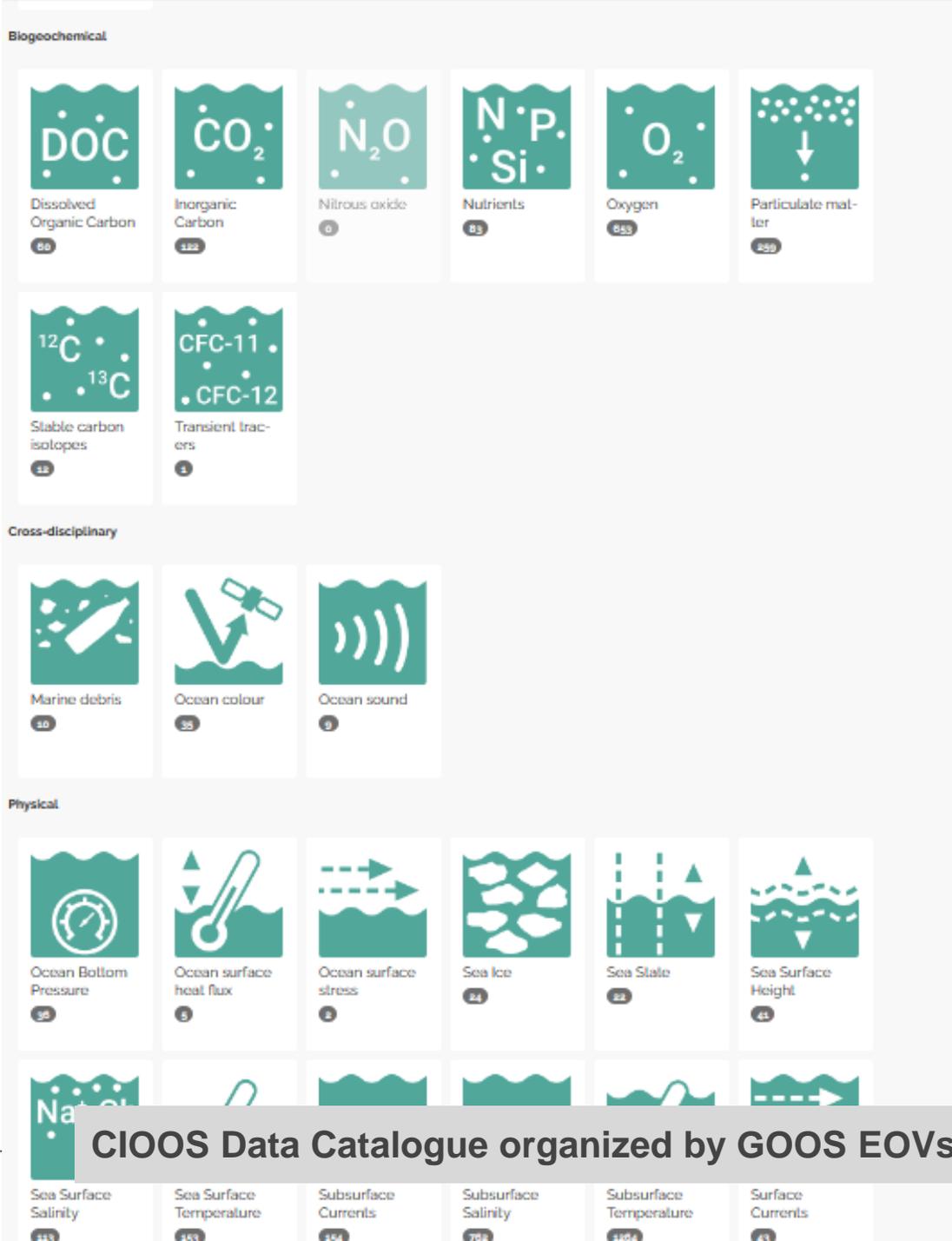
Challenges & Opportunities

- Changing Political landscape
 - Canadian Federal Government Election on April 28th
- Changing landscape in US-based partner organisations
- New CIOOS Coordinating Office as opportunity to launch CIOOS into a new momentum
- Need for Information Services to serve wider audience demonstrate value



Supports needed from GOOS

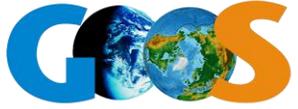
- International standardization
 - Standards from GOOS and international coordination to converge on standards, methodologies and software/data tools
- International interoperability
 - Ocean InfoHub as an example
 - Help coordinate increased interoperability of CIOOS regions with OBIS, GTS, other international systems
 - Would benefit from study cases to show value of international data interoperability past the data integration step ?



Best Practices/Lessons Learned

- Data is important, but information services / tools help broaden reach
- Delicate but necessary to maintaining a balance between back-end (development and optimization of cyberinfrastructure and security) versus improving front-end end-user tools and features
- Resilience capacity needed to face uncertainty and funding delays
 - Have knowledge in multiple places
 - Interregional collaboration accelerated





The Global Ocean Observing System

Thank you

CIOOS
CANADIAN INTEGRATED OCEAN
OBSERVING SYSTEM



SIOOC
SYSTÈME INTÉGRÉ D'OBSERVATION
DES OCÉANS DU CANADA

