

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

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# 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



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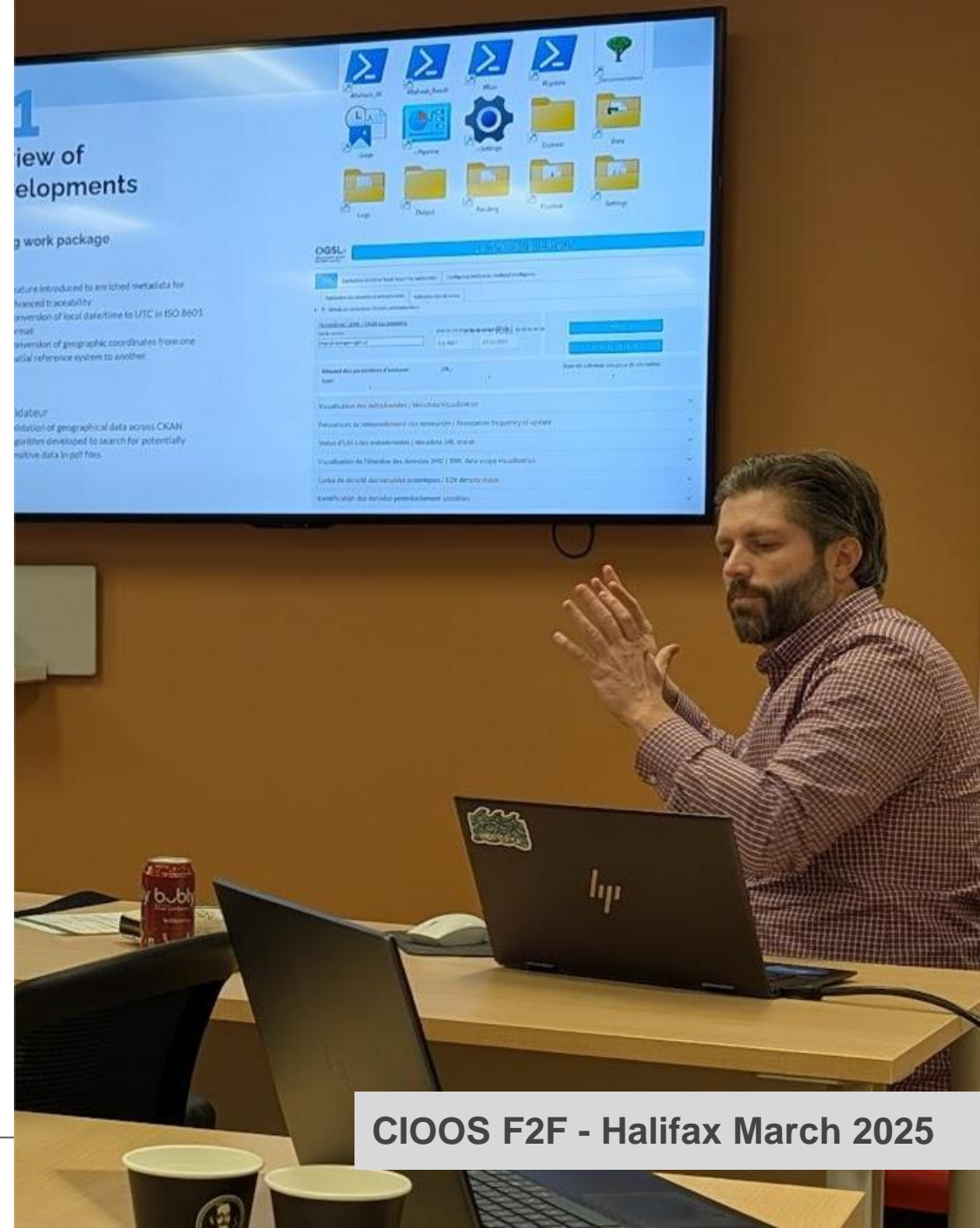


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CIOOS F2F - Halifax March 2025

# 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)



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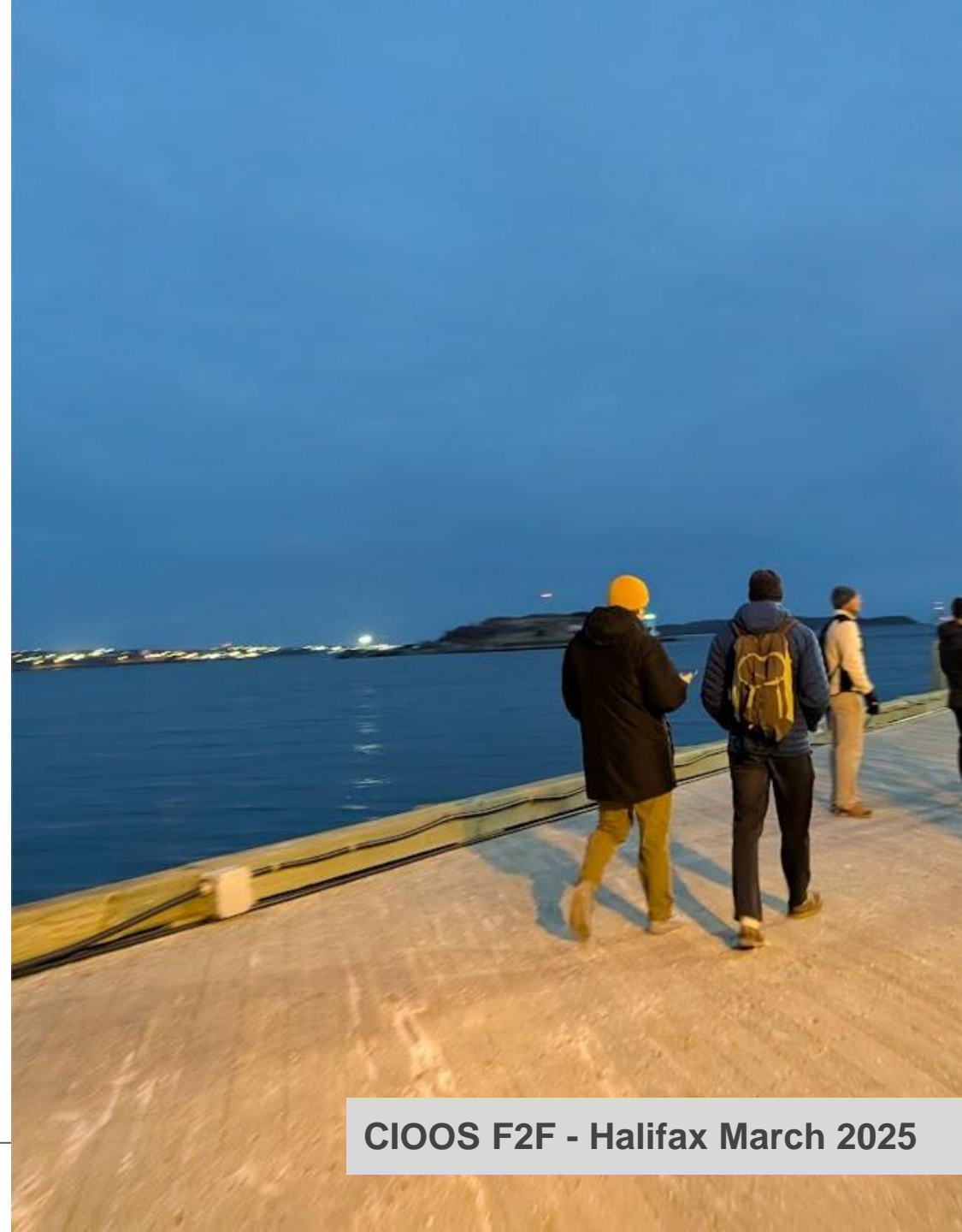


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# Challenges & Opportunities

- 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



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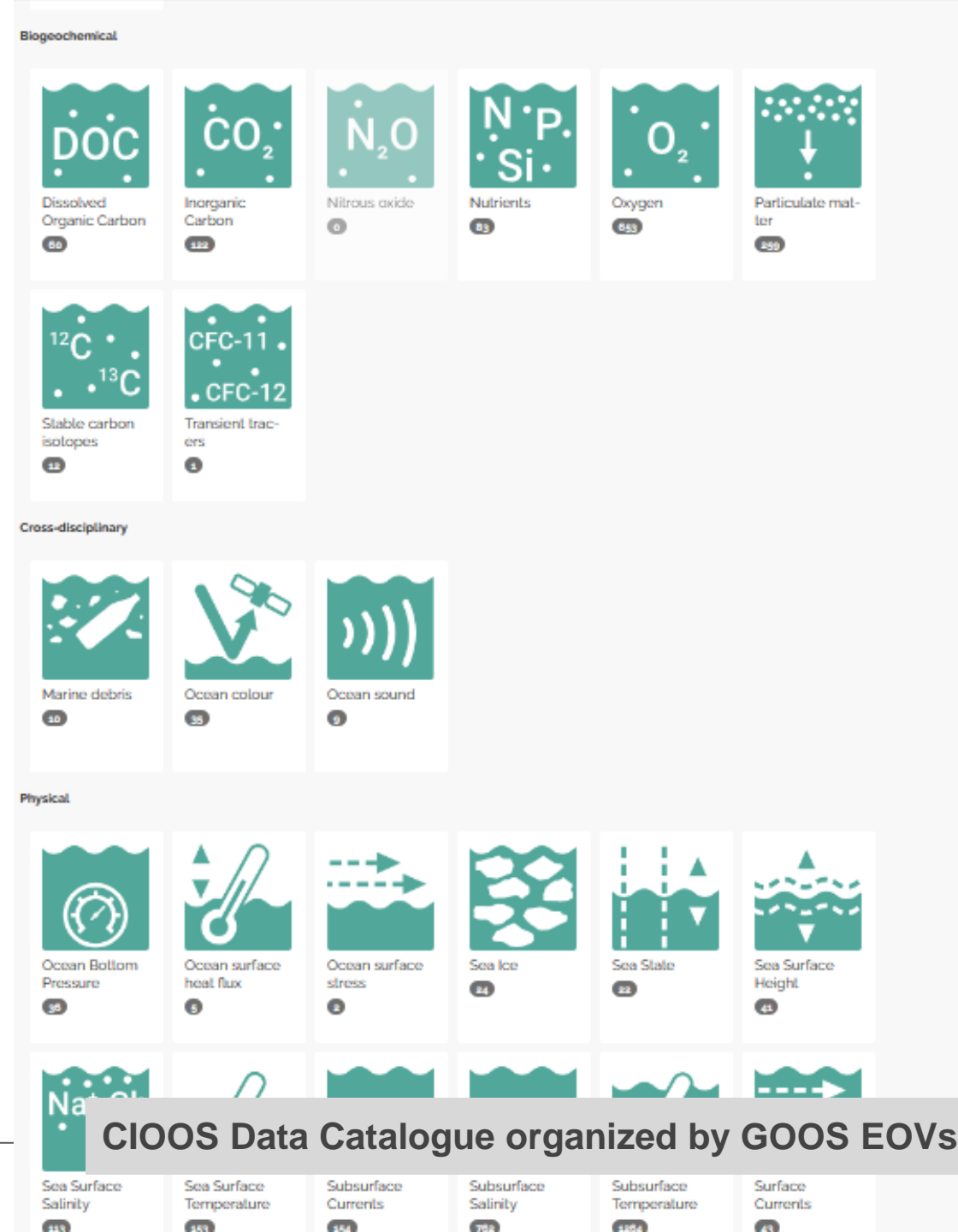


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# Supports needed from GOOS

- 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 ?



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# 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





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# Thank you

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