



CRI

Centre for Regulatory Innovation

Regulators' Capacity Fund

Improving and Streamlining Electronic Reporting of GHG

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Lead Organization:

Environment and Climate
Change Canada (ECCC)

Timeline:

Jul 2023 – Jun 2024

Funding:

\$205,000

ABOUT THE RCF

The CRI's Regulators' Capacity Fund empowers federal regulators to better consider economic, competitiveness, and resilience factors in regulatory design and implementation.

PROJECT OVERVIEW

ECCC is developing a consolidated, user-friendly greenhouse gas (GHG) reporting platform to replace three outdated applications. This new system aims to streamline reporting for 2500 annual submissions, enhance data accuracy, and improve collaboration with provincial partners.

The Challenge:

The existing GHG reporting process used outdated application design and software infrastructure, increasing upkeep costs and limiting the ability to create an effective user interface. This made it increasingly difficult to implement regulatory changes and resulted in:

- Suboptimal user experience, increasing reporting burden on industries and ECCC
- Increasing risks of instability and failure
- Risk of noncompliance with federal and provincial regulations

The Approach:

ECCC is developing a new GHG reporting platform that:

- Consolidates three existing applications
- Features user-friendly interface and cloud integration
- Improves data collection and management

Key activities include reverse engineering current code, UX research, developing new screens, and collaborating with provincial partners.

The Impact:

Early testing and internal reviews indicate that the platform will:

- Streamline reporting for approximately 2500 GHG reports collected annually
- Increase data accuracy and reliability for the National Inventory Report submitted to the United Nations
- Enhance collaboration with six provincial partners (AB, NB, NS, ON, SK, BC)

Lessons Learned:

Time Management: Learning curve for new technologies was steeper than anticipated. More conservative time estimates needed for further planning.

Resource Acquisition: Securing development environment took longer than expected. Proactive coordination needed for tech projects.

Stakeholder Communication: Regular, transparent communication with partners crucial

This project showcases how technological innovation can streamline regulatory compliance, offering a replicable model for other regulatory bodies.