
Halifax Ocean Alkalinity Enhancement Joint Learning Opportunity: Proposal Application Guidelines

This document provides further and clarifying information to respondents to the *Halifax Ocean Alkalinity Enhancement Joint Learning Opportunity*. Proposals must be submitted to the Joint Learning Opportunity (JLO) Management Team at Innovation@COVEocean.com by July 13, 2024, 5:00 PM Atlantic Standard Time (AST).

Proposals, no longer than **five to ten pages** exclusive of supporting documentation, should address the following:

Proposed activities and anticipated impact of your work:

- Define the **main research question** and/or the scope of the project.
- Clearly articulate the **research methodologies and activities** that will be performed through your proposal, and how they address the research question.
- Include a **project timeline**, including key field research activities, key milestones, data analysis, and publication.
- Summarize the current state of understanding related to your research question, and the **anticipated impact** of your proposed research to the scientific, technical, or social understanding of Ocean Alkalinity Enhancement's (OAE) viability.
- Provide a summary **data management and sharing plan**. This should include target parameters, methods for data collection, process and timeline for sharing data (with other researchers, project sponsors and/or broader public), and adherence to open data standards and practices. Please identify any data that you intend to keep proprietary, with explanation.
- Summarize how you intend to **collaborate with existing field trial activities** conducted by Dalhousie University or Planetary Technologies. Are there collaborations required without which the work would not be able to proceed?

Transportation, logistics and budget:

- Provide an overview of the **logistical, operational, and permitting requirements** you anticipate your work will require. While the responsibility of bringing any assets to Halifax lies with the awardees, COVE offers support around the facilitation to rent or acquire such assets, for example those identified in the [Halifax Asset Inventory](#).
- Include a **total project budget** and clearly indicate the amount requested as a part of this JLO.

Highlight your organization's unique capabilities to deliver the work

- Identify the **point of contact**, including title, role, and contact information.
- Provide a description of your **organization**, including focus areas, location, number of personnel, etc.
- Describe how this research will **advance the goals of your organization**.
- Provide an overview of your team, their roles, and qualifications, including relevant experience, expertise, publications, or other qualifying criteria that demonstrates your organization's ability to successfully perform the work as described.

[For technical teams only]

Demonstrate the technical readiness of your product for field research

- Summarize the commercially-available methods, techniques or technology on the market today and how your proposed approach will **improve the functionality or cost** of these methods.
- Provide a **statement on the technical readiness** for each major and/or custom item (e.g. sensor, vehicles, computer models, etc.), for example age of design, performance record, units sold, or other indicators of reliability.
- Outline the **installation, monitoring and maintenance requirements** for the technology.

Surface potential risks or conflicts

- Identify any **potential risks** (community, permitting, environment, financial, technical, or operational risks and challenges), their probability and impact, and **plans to mitigate**.
- Disclose any potential **conflicts of interest** or **perceived conflicts of interest** that could influence the project's execution or integrity. This includes direct or indirect financial, personal, or professional interests that might affect decisions or outcomes, particularly those that could undermine the research's objectivity or credibility, or the perception of other activities performed by other researchers or organizations performing activities related to OAE in Halifax Harbour.