

# UN Decade of Ocean Science (UNDoOS) Activities Update -CA

Report to USCHC46

Mobile, Alabama, USA

16-17 March 2023



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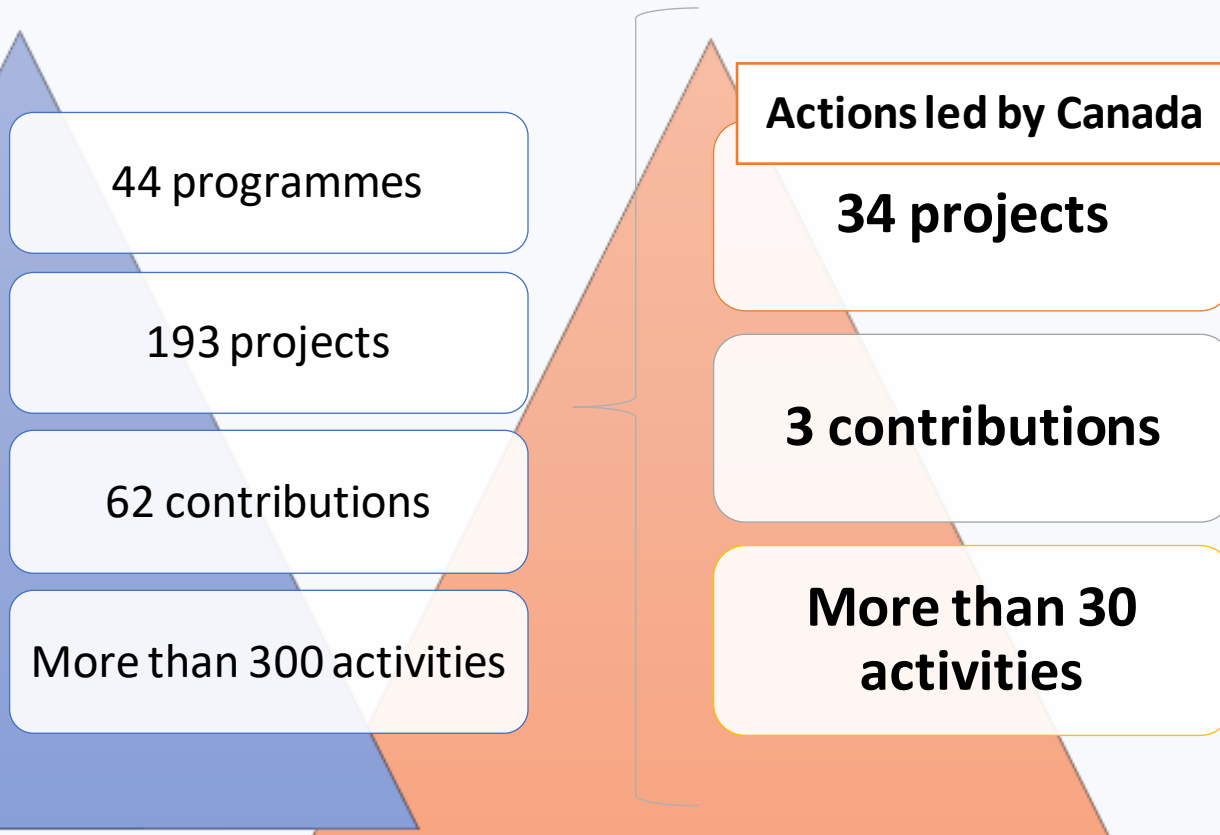
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USCHC46-13Bi

# Progress Update- A growing Canadian Contribution

**Global Ocean Decade  
Ecosystem now includes:**



- Including in support of unique Canadian priority areas :
- Indigenous engagement and Indigenous knowledge
  - Arctic
  - Youth/early career ocean professionals
  - Ocean literacy
  - Gender equity
  - Climate change

*\*\*\* Does not include canadian participation in international actions*



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# Example: Detection of Undersea Features

- This project will concentrate on the detection of undersea features using AI technology
- Their detection has the potential to provide insight into new underwater ecosystems and inform new area-based management.
- Lead by CHS, this Project is hosted by the Ocean Decade Programme [The Nippon Foundation-GEBCO Seabed 2030 Project](#)



## Detection of Undersea Features

Canadian Hydrographic Service, Fisheries and Oceans Canada - Canada

Arctic Ocean, Change humanity's relationship with the ocean, North Atlantic Ocean, North Pacific Ocean, Project, Skills, Knowledge and technology for all

Seabed 2030 aims at filling the gaps in the hydrographic grid. This data will allow us to detect more undersea features.

Depending on the morphology that characterizes them, these features host marine species and interact with the ocean currents, temperatures and waters around them, in patterns known, or yet to be discovered. There are more than 40 types of undersea features, each with its own characteristics. Their detection has the potential to provide insight into new underwater ecosystems and inform new area based management.

This project would concentrate on the detection of undersea features by exploring how AI technology can facilitate the detection of these features. Those with an interest in naming these, will qualify by explaining how they will engage local indigenous communities, and toponymical offices in the process of naming. The criteria for AI could inform a Product Specification for Undersea Features (under the "S100" umbrella from IHO).

This Project is hosted by the Ocean Decade Programme [The Nippon Foundation-GEBCO Seabed 2030 Project](#)

Start Date: 01/01/2022

End Date: 31/12/2023

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# USCHC is invited:

- Take note of this update.



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# Thank you



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