

BLUE-TECH CHALLENGE



Canada

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Open Call for Proposals (now closed) to identify innovative tech-solutions to foster the ocean economy

- **14 target countries:** Antigua and Barbuda, Bahamas, Barbados, Belize, Dominica, Grenada, Guyana, Haiti, Jamaica, St. Lucia, St. Kitts and Nevis, St. Vincent and the Grenadines, Suriname, Trinidad and Tobago
- Applicants from countries outside the target region encouraged to participate by **forging local alliances** in 14 target countries
- **Selection criteria:** innovation of the model, use of disruptive technology, degree of social and environmental impact, scalability potential, capacity of applicant, viability of model implementation



Five

Selected Applications





MARPOL Port Reception Facility

Cutting edge technologies for preservation and protection of the Blue Economy in The Bahamas

The project will co-finance the launching of the first full MARPOL Port Reception Facility in the Bahamas to safely and securely manage and dispose of liquid wastes generated from all kinds of marine operations. The port reception and treatment facility will provide significant environmental and health benefits to the populations that reside in or depend on ocean-related activities for their well-being, as well as the all other Caribbean countries that are affected by the improper disposal of marine waste and pollutants that are dumped into the ocean.

Expected Impact

- Over **50,000 m3** of marine liquid waste processed.
- 1** regulatory framework advanced or changed regarding MARPOL in The Bahamas.
- More than **150,000 persons** who depend upon the tourism sector for their livelihoods benefitted.
- US\$20 million** estimated additional annual income (US\$) for Maritime Service Providers and local economy as a result of availability of MARPOL Port Reception Facility.



BH-L1047
BH-T1069

Finances

IDB Lab Contribution	Counterpart	Project Total
US\$ 1,500,000 (loan)	US\$ 1,500,000 (loan)	US\$ 1,500,000
US \$276,000 (technical cooperation)	US \$339,000 (technical cooperation)	
45%	55%	100%

Partners





TOTALLY TRACEABLE TUNA

Strengthening tuna traceability with innovative technologies in Barbados

The Totally Traceable Tuna project will test a combination of Internet of Things (IoT) devices, Radio-Frequency Identification (RFID) tags, Quick Response (QR) code tags to collect information on the journey of tuna at various points along the supply chain. The information collected will be recorded using Distributed Ledger Technology (DLT) to create a tamper-proof supply chain history. The use of DLT for tracking the fisheries supply chain is the first of its kind in the Caribbean. This project was selected through the Blue-Tech Challenge, an initiative of IDB Lab and Compete Caribbean.

Expected Impact

Over **200 tons** of grade 1 tuna sold in national or international markets.

30 vessels adopt traceability systems and best handling practices

257 tons of grade 1 tuna caught by participating vessels

Average levels of histamine in tuna caught by participant vessels reduced to **50ppm**

1 local traceable tuna brand developed

Finances

IDB Lab Contribution

US\$ 370,000
(technical cooperation)

43%

Counterpart

US\$ 486,000
(counterpart to TC)

57%

Project Total

US\$ 856,000

100%

Partners



Expected Impact

120 new or existing members of Fish Right, Eat Right Program adopting sustainable fishing practices and buying sustainably-caught fish (40 fisherfolk and 80 restaurants)

Increase in:

- Value of **sales** taking place through the mobile application
- Number of **transactions** taking place through the mobile application
- **volume** of fish caught and sold through the virtual Marketplace



Finances

IDB Lab Contribution

US\$ 300,000
(technical cooperation)
50%

Counterpart

US\$ 300,000
(counterpart to TC)
50%

Project Total

US\$ 600,000

100%

Partners



MARKET-BASED INCENTIVES FOR RESPONSIBLE FISHING

Expanding the Fish Right, Eat Right Program through a virtual marketplace in Belize

The project seeks to preserve the livelihood of fisherfolk in coastal communities and improve their income potential through the expansion of the Fish Right, Eat Right (FRER) Program that promotes responsible fishing. Restaurants will be incentivized to serve responsibly-caught seafood, and fisherfolk will learn to avoid the use of destructive gear, overfishing, and protect vulnerable species from being caught and sold. The project will contribute to the preservation of the marine ecosystem by offering market-based incentives through a virtual marketplace that connects Belizean fisherfolk with buyers from San Pedro and Caye Caulker.



AYITI BLUE OCEAN PLASTICS SOLUTION

Addressing marine pollution with a circular economy approach in Haiti

The project will co-finance the expansion of a Haitian operation that recycles plastics and produces a wider variety of high value products including synthetic lumber for sale to national and export markets. The project will also help to build the first commercial-scale ocean-bound plastics supply chain, thus, contributing to increasing the number of jobs for plastic collectors and their sustainable incomes, as well as preserving and protecting the ocean environment and improving the livelihoods dependent upon them.

Expected Impact

- Over **10 million** pounds of plastic recycled annually.
- 8,600** full-time collectors in Environmental Cleaning Solutions supplychain (disaggregated by gender)
- More than **50 jobs** at Environmental Cleaning Solutions (disaggregated by gender)
- US\$1.2 million** in annual purchases of plastics materials from collectors
- Increase in number of women** owned-operated collections centers.



HA-G1043
HA-T1266

Finances

IDB Lab Contribution US\$ 1,100,000 (contingent recovery grant)	Counterpart US\$ 2,655,000 64%	Project Total US\$ 4,155,000 100%
US \$400,000 (technical cooperation) 36%		

Partners





Converting Sargassum from Problem to Industry in St Lucia

The project will aim to expand the processing facility of Algas Organics to reach foreign markets with the its highly effective bio-stimulant, a proprietary extraction process, made from sargassum seaweed. The project will be co-financed by IDB Lab and Compete Caribbean in two phases.



Expected Impact

Increase in direct and indirect **employment** (disaggregated by gender)

Increase in employee **income** (disaggregated by gender)

Number of **new export markets**

Finances

IDB Lab Contribution	Counterpart	Project Total
TBD	TBD	TBD

Partners

