Cuttlefish Labs x Blue Nova Ventures - Strategic Partnership Brief

Title: Scaling Ocean DAO Infrastructure with Blue Nova's Ecosystem

Date: June 2025

Presented by: Cuttlefish Labs | greenisland.earth | hello@cuttlefishlabs.org

Rartnership Opportunity

Cuttlefish Labs proposes a strategic alignment with Blue Nova Ventures to co-deploy DAO-governed infrastructure in Small Island Developing States (SIDS), supported by Icelandic climate-tech expertise and Blue Nova's marine innovation focus.

MADOUT CUTTLE SET 1

We build decentralized governance infrastructure for climate and ocean-linked projects. Our toolkits include: - Cuttlefish IntakeBot - Multilingual Telegram-based proposal intake - BuilderVault.sol -Milestone-based payout smart contracts - Snapshot + SBTs - DAO-native community voting and reputation

Our network spans seven active or planned Island DAOs: - MicronesiaDAO - Floating land + basalt infrastructure - BermudaDAO - Coral finance + hurricane-resilient hubs - FijiDAO - ReefGuard AI + floating clinics - TongaDAO, SamoaDAO, VanuatuDAO, AzoresDAO

Each DAO manages regenerative infrastructure via milestone-gated funds.

Strategic Fit with Blue Nova

- Shared Focus: Marine biotechnology, ocean resilience, fisheries + infrastructure
- Deployment Model: Modular, token-governed infrastructure fits with Blue Nova's early-stage thesis
- Iceland Synergies: We propose Iceland as a node for DAO testing using geothermal + marine datasets
- Circularity: DAO-linked cement alt, reef carbon, and W2E models align with your Eco Business Park vision

Capital Collaboration Pathways

We are seeking: - Catalytic pre-seed support for 2-3 SIDS DAO launches - Inclusion in Blue Nova's ocean portfolio - Participation in the Iceland Eco-Business Park ecosystem

Pilot Outcomes (by Q1 2026)

- 6 MW renewable energy deployed
- 900,000 tons CO₂ sequestered/year
- 7,200 km² marine governance zones
- \$21.1M DAO budget under management

Let's co-build a sovereign, data-backed, DAO-governed ocean future.

 $\textbf{Cuttlefish Labs} \mid \text{hello@cuttlefishlabs.org} \mid \text{greenisland.earth}$

UN Decade of Ocean Science for Sustainable Development - Proposal Submission Packet

Title: Blue DAO Sovereignty: Regenerative Infrastructure for Ocean Island Nations

Submitted by: Cuttlefish Labs & Green Island Ventures

Date: June 2025

I. Executive Summary

This proposal outlines a multi-country initiative to deploy **DAO-governed regenerative infrastructure platforms** across seven ocean nations, aligned with the UN Decade of Ocean Science objectives. Utilizing Cuttlefish Labs' Web3 tools and the Green Island SISD investment model, we seek catalytic support to codeploy blue economy systems that address: marine ecosystem restoration, climate-adaptive infrastructure, and community-led governance.

Target Countries: Azores, Bermuda, Micronesia, Vanuatu, Samoa, Tonga, Fiji

Request: \$21.1M co-matching support for DAO-seeded infrastructure

Impact (Cumulative by 2026): - 6 MW geothermal + W2E capacity deployed - 900,000 tons CO_2 sequestered annually - 7,200 km² of marine protection governed by DAO votes - 10,000+ modular homes + floating hubs deployed - 60,000+ DAO wallet holders onboarded

II. Alignment with UN Ocean Decade Objectives

Objective	Initiative Alignment
Marine ecosystem restoration	Mangrove DAOs, kelp farming, coral bond protocols
Climate adaptation/resilience	Floating housing, geothermal microgrids, tsunami platforms
Sustainable ocean economy	Blue carbon credits, reef tourism, fisheries co-ops
Equitable governance	IntakeBot in native languages, Snapshot voting, diaspora multisigs

III. Technological Infrastructure

Powered by Cuttlefish Labs' Platform: - **Cuttlefish IntakeBot:** Multilingual Telegram-based proposal intake (e.g., Tongan, Fijian, Portuguese) - **ScoringAgent (GPT-40):** ESG & TRL-based proposal evaluation - **BuilderVault.sol:** Smart contract milestone payout system for SISD tokens - **Snapshot:** Soulbound voting weight by island/province - **IPFS + Chainlink + multisigs:** for evidence and disbursement audit trails

IV. Country-Level Pilots

Appendix A: Project Briefing Summaries

AzoresDAO - Geothermal & Marine Prosperity

- Geothermal loops for clean energy (15 MW)
- DAO-managed whale tourism zones
- Kelp carbon sequestration and export protocol

BermudaDAO – Coral Finance & Hurricane Infrastructure

- Coral bond protocol via NFT smart contracts
- W2E plant with biochar co-generation
- Hurricane-proof governance HQ in Hamilton

MicronesiaDAO – Floating Parks & Circular Infrastructure

- Floating atoll land with W2E & cement alt
- Geothermal & basalt fiber on volcanic islands
- Compute center and water security grid

VanuatuDAO – Blue Carbon Buffer & Housing Ridge

- · Cement-free construction
- Ocean ridge housing zones
- Mangrove DAO for coastal regeneration

SamoaDAO - Biochar & Storm-Resilient Communities

- Elevated prefab housing DAO
- Farmer carbon co-ops and soil tech
- · DAO payout pool for cyclone rebuilds

TongaDAO – Seafloor Geothermal + Fisheries

- · Deep thermal pilot plant
- · Tokenized fisheries DAO
- Floating cyclone-proof markets

FijiDAO - Reef AI + Floating Clinics

- ReefGuard AI network
- Smart mangrove staking
- Modular floating hubs for education/health

V. Funding Request

Total DAO Investment Package: \$21.1M - UN Decade-aligned Ocean Climate Fund Request: \$10.5M (50%) - Co-Funding: Green Island Ventures, GCF, Diaspora Vaults: \$10.6M (secured/committed)

VI. Monitoring, Evaluation & Reporting

- All DAO funds gated by BuilderVault with milestone verification
- Quarterly IPFS-published impact reports with DAO co-signatures
- SISD yield tracked via on-chain dashboard (launching Q1 2026)

VII. Contact & Coordination

Lead Applicant:

Cuttlefish Labs hello@cuttlefishlabs.org

Implementing Partner:

Green Island Ventures www.greenisland.earth/un-decade

Appendix A - Attached Country Briefs: - AzoresDAO - BermudaDAO - MicronesiaDAO - VanuatuDAO - SamoaDAO - TongaDAO - FijiDAO

Blue DAO Infrastructure Proposals for SIDS Nations

Full Proposal Suite for Seven Island DAOs

Powered by Cuttlefish Labs & Green Island Ventures
June 2025

1. BermudaDAO – Coral Finance & Hurricane Infrastructure

Objective: Deploy BermudaDAO to manage coral reef bond issuance, W2E infrastructure, and hurricane-resilient civic hubs. - **Phase 1:** NFT-based Coral Restoration Bond (CRB) protocol - **Phase 2:** Install W2E gasifier and biochar system for municipal solid waste - **Phase 3:** Construct stormproof DAO governance HQ in Hamilton **Funding:** \$3.1M - Bermuda Reinsurance Council - \$1.2M - Green Island Ventures - \$900K - Diaspora Climate Vault - \$1M **Impact:** - 20,000 coral nodes restored - 5,000 tons waste diverted - \$2.2M in blue bond circulation annually

2. AzoresDAO - Geothermal & Marine Prosperity

See **Azores Dao Deck** for full proposal. Includes geothermal loops, DAO-managed tourism zones, and kelp carbon credits. **Impact:** 15 MW geothermal, 2,500 km² marine protected, 3,000 wallets onboarded

3. MicronesiaDAO - Elevated Land + Circular Infrastructure

See **MicronesiaDAO Proposal**. Combines floating parks, geothermal + basalt factories, W2E systems, and municipal data centers. **Impact:** 450,000 tons CO₂ captured, 12,000 DAO wallets, 5 revenue streams

4. WanuatuDAO - Cement-Free Housing & Blue Carbon Zones

Objective: Develop DAO-funded modular housing systems and carbon-negative marine buffer infrastructure. - Cement-free microplants (ash + sand + slag composite) - Ocean-adaptive housing ridge - Mangrove restoration DAO program **Funding:** \$2.9M - GCF Small Grants - \$1.5M - Green Island Vault - \$700K - Vanuatu Infrastructure Fund - \$700K **Impact:** - 1,000 modular homes - 250,000 mangrove seedlings planted - 2 carbon credit protocols launched

5. SamoaDAO - Biochar Agroforestry + Stormproof Housing

Objective: Tokenize cyclone-resilient housing and deploy soil regeneration + food security infrastructure - Prefab housing cluster (elevated & wind-tolerant) - Biochar kilns for degraded lands - Farmer DAO co-ops funded via IntakeBot proposals **Funding:** \$2.6M - Samoa Climate Fund - \$1.3M - Diaspora AgroDAO - \$800K - Green Island SISD tokens - \$500K **Impact:** - 800 biochar-hectares restored - 1,500 jobs in co-op supply chain - \$2.1M in annual food import reduction

6. TongaDAO - Seafloor Geothermal + Floating Fisheries

See **Tonga Dao Deck** for full proposal: includes geothermal microgrids, DAO-backed fisheries platform, and tsunami-resilient asset deployment **Impact:** 1 MW geothermal, 3 floating markets, 8,000 wallets across 12 islands

7. FijiDAO - Reef AI + Floating Hubs

See **Fiji Dao Deck**: includes ReefGuard network, smart mangrove bounties, and modular floating schools and clinics **Impact**: 1,200 km² reef, 2 floating hubs, 12,000 wallet holders, \$1.8M in economic return

Shared Governance Infrastructure Across All DAOs: - Cuttlefish IntakeBot (localized Telegram intake in native languages) - BuilderVault.sol (SISD milestone-triggered payouts) - Soulbound NFT governance + Snapshot - SISD token forecast and yield distribution tool (2026)

Contact: hello@cuttlefishlabs.org | greenisland.earth/blue-prosperity

AzoresDAO Briefing Deck

Powered by Cuttlefish Labs & Green Island Ventures June 2025

Slide 1: Title Slide

Blue Island Sovereignty: AzoresDAO

Pioneering Geothermal and Marine Prosperity in the Azores

Visual: Aerial view of Azores archipelago with geothermal glows and kelp forest overlays, connected via blockchain nodes.

UN Decade of Ocean Science-aligned Pilot

Contact: hello@cuttlefishlabs.org | greenisland.earth Footer: Cuttlefish Labs | Green Island Ventures

Slide 2: Executive Summary

Transforming the Azores into a Blue Economy Hub

- **Vision:** Sustainable Azores via DAO-governed geothermal and marine initiatives
- Focus: Geothermal microgrids, whale-friendly marine economy, kelp blue carbon
- Funding: \$2.8M co-matched via EU Blue Bonds, Green Island Ventures, diaspora
- Impact: 15 MW geothermal, 450,000 tons CO₂ sequestered, 2,500 km² marine protection

Visual: Infographic - geothermal plant, whale-watching boat, kelp farm, Azores flag

Slide 3: Challenges Facing the Azores

Addressing Island Vulnerabilities

- Volcanic terrain complicates infrastructure deployment
- Seasonal tourism creates economic instability
- Navigating EU regulatory compliance
- Marine ecosystems vulnerable to climate disruption

Visual: Dual frame—volcanic landscape & marine biodiversity

Slide 4: AzoresDAO Vision

A Democratic Infrastructure DAO

- Community-owned assets via smart contracts
- Core Projects:

- Geothermal heat loops for rural villages
- DAO-managed marine tourism zones
- Kelp carbon farms + tokenized carbon credits

Governance Tools:

- Cuttlefish IntakeBot
- BuilderVault.sol
- Snapshot voting

Visual: DAO ecosystem diagram with NFTs, voting, treasury

Slide 5: Key Projects

Phase 1 Deployment (2025)

- Geothermal Microgrids: Clean heating systems for rural areas
- Marine Eco-Tourism: DAO-managed, whale-safe, revenue-sharing model
- Kelp Blue Carbon: Regenerative cultivation for carbon drawdown and exports

Visual: 3D render of geothermal system, kelp installation, tourism boat

Slide 6: Governance & Technology

Web3-Powered Community Governance

- **Cuttlefish IntakeBot:** Telegram interface in English + Portuguese
- BuilderVault.sol: Milestone-gated capital deployment
- Builder NFTs: Access and governance rights
- Soulbound Tokens: Reputation for verified contributors
- **Snapshot:** Voting with delegation and transparency

Visual: Process flow from idea intake \rightarrow AI scoring \rightarrow on-chain funding

Slide 7: Funding Structure

EU and US-Aligned Investment

- Total Investment: \$2.8M
- Sources:
- EU Blue Bonds \$1M
- Green Island Core Vault \$800K (SISD tokens)
- Diaspora Multisig \$500K
- Atlantic Innovation Partners \$500K

Revenue Streams: geothermal, tourism, blue carbon credits

Visual: Pie chart with sources + stacked bar chart for income

Slide 8: Timeline

Phase 1 Milestones (2025-2026)

- Q1 2025: Site assessments completed
- Q2 2025: DAO launched + 3,000 stakeholders onboarded
- Q3 2025: Heat loop installs underway
- Q4 2025: Tourism zones activated
- Q1 2026: Kelp farms online, dividends begin

Visual: Gantt chart timeline with icons per milestone

Slide 9: Impact Metrics

Measurable Outcomes

- 15 MW geothermal energy capacity
- 450,000 tons CO₂/year sequestered
- 2,500 km² marine protected
- \$1.8M+ annual revenue
- 3,000+ DAO participants
- 92/100 Climate Resilience Score

Visual: Dashboard-style metric bars + kelp + whales

Slide 10: Call to Action

Join the Azores Blue Prosperity Movement

- Partner with AzoresDAO to scale ocean-positive infrastructure
- Fund sustainable energy and blue carbon pilots
- Support DAO-powered democratic governance in SIDS

Contact: hello@cuttlefishlabs.org Website: greenisland.earth/ocean

Visual: Azores community, geothermal loop, blockchain overlays, flags

FijiDAO Briefing Deck

Powered by Cuttlefish Labs & Green Island Ventures
June 2025

Slide 1: Title Slide

Blue Island Sovereignty: FijiDAO

AI-Enabled Marine Monitoring and Ocean-Linked Infrastructure in Fiji

Visual: Aerial reef view with satellite overlays and village DAO nodes across the coastline.

Contact: hello@cuttlefishlabs.org | greenisland.earth

Footer: Cuttlefish Labs | Green Island Ventures

Slide 2: Executive Summary

Empowering Fiji with DAO-Led Ocean Infrastructure

- Vision: Create climate-resilient coastal economies via democratic DAO governance
- Focus: ReefGuard AI system, mangrove restoration, floating education and health hubs
- Funding: \$3.2M co-funded by GCF, Fiji diaspora, and Cuttlefish Labs
- Impact: 1,200 km² reef coverage, 75% clean energy share, 12,000+ DAO members onboarded

Slide 3: Local Challenges

Resilience Under Pressure

- Coral reef bleaching + declining fish stocks
- Coastal flooding + rising cyclone frequency
- Resource allocation challenges across 300+ islands

Visual: Coastal flooding overlay + reef heat map

Slide 4: FijiDAO Vision

Digital Marine Sovereignty for a Multi-Island Nation

- DAO-based marine zones + asset ownership
- Smart bounties for reef health, mangrove planting, pollution control
- Floating platform hubs: schooling, clinics, internet, desalination

Slide 5: Phase 1 Projects (2025)

• ReefGuard Network: AI + drone sensors for reef monitoring

- Mangrove DAO Zones: Staking-based funding for community-led planting
- Floating Infrastructure: Modular sea-based education + health stations (Suva & Vanua Levu)

Visual: Sensor map + floating health center + mangrove nursery

Slide 6: Tech Stack & Governance

- Cuttlefish IntakeBot: Telegram (Fijian/English) + dashboard view
- BuilderVault.sol: Milestone-based capital release
- Soulbound NFTs: Participation + contributor tracking
- Snapshot: DAO votes by island, village or delegation

Slide 7: Funding Plan

FijiDAO Vault: \$3.2M

| Source | Amount | |------| | GCF Ocean Grant | \$1.5M | | Fiji Diaspora DAO | \$700K | | Green Island Vault | \$500K | | South Pacific Partners | \$500K |

Revenue Streams: tourism bounties, data licensing, health access fees, education credits

Slide 8: Milestone Timeline

- Q2 2025: Launch FijiDAO.eth, onboard 5,000 residents
- Q3 2025: AI reef sensors deployed across 6 islands
- Q4 2025: First floating hub goes live (Nadi region)
- Q1 2026: SISD yield modeling and dividend issuance

Slide 9: Impact Forecast

- 1,200 km² reef coverage under DAO monitoring
- 150,000 mangrove seedlings planted (biosequestration zone)
- 2 floating hubs with clean water, Wi-Fi, solar power
- 12,000 DAO wallets created (including diaspora)

Slide 10: Call to Action

Build FijiDAO Together

- Fund floating clinics, smart mangrove zones, and climate data AI
- Help scale FijiDAO to all provinces
- Become a co-builder of sovereign Pacific infrastructure

Contact: hello@cuttlefishlabs.org greenisland.earth/fiji

TongaDAO Briefing Deck

Powered by Cuttlefish Labs & Green Island Ventures June 2025

Slide 1: Title Slide

Blue Island Sovereignty: TongaDAO

Volcanic Geothermal + Floating Resilience for the Kingdom of Tonga

Visual: Pacific ring volcano + floating coastal markets, connected to DAO nodes

Contact: hello@cuttlefishlabs.org | greenisland.earth Footer: Cuttlefish Labs | Green Island Ventures

Slide 2: Executive Summary

TongaDAO: Island Infrastructure for Climate Stability

- Vision: Sovereign DAO managing climate and economic resilience
- Focus: Seafloor geothermal, tsunami-proof floating infrastructure, fisheries co-ops
- Funding: \$2.5M co-investment: Tonga Development Bank, Green Island, diaspora vault
- Impact: 1 MW geothermal generation, 3 floating markets, 80% decentralized DAO voting turnout

Slide 3: Challenges & Risk Factors

- Tsunami + volcanic vulnerability
- Centralized aid systems delay local recovery
- Low infrastructure redundancy across Tonga's 170+ islands

Visual: Tsunami wave overlay, aerial chain of islands

Slide 4: TongaDAO Vision

- DAO controls smart vaults tied to milestone-based recovery + infra projects
- Seafloor heat exchangers power geothermal microgrids
- Floating fisheries + cyclone-ready markets expand economic base

Visual: DAO treasury > proposal > milestone payout > floating assets

Slide 5: Phase 1 Projects

- Geothermal Pilot: Sub-sea shaft power for community grids
- Fisheries DAO: Tokenized cooperative with traceability + revenue share

• Floating Market Platform: Deployable asset cluster with solar canopy + water access

Slide 6: Technology + Governance

- BuilderVault.sol: Payouts tied to completion proof (photos, sensors, drone logs)
- Telegram IntakeBot: Bilingual in Tongan + English
- Snapshot Voting: Island-rep weighted, with delegation to village councils
- Soulbound NFTs: Track verified contribution + payout eligibility

Slide 7: Capital Stack

Source	Amount (USD)	
Tonga Dev Bank DAO stake	\$1M	
Green Island Vault	\$800K	
Diaspora Node Multisig	\$500K	
Pacific Resilience Matching	\$200K	

Slide 8: 2025-2026 Roadmap

- Q2 2025: TongaDAO.eth launched + 2,500 islander wallets onboarded
- Q3 2025: First geothermal dig + floating market prototype (Tongatapu)
- Q4 2025: Fisheries co-op smart contract deployed
- Q1 2026: SISD dividend issuance and floating platform scaling

Slide 9: Impact Summary

- 1 MW renewable geothermal power (pilot)
- 3 floating cyclone-ready markets
- \$1.2M/year local economic circulation via fisheries + energy
- 8,000 DAO participants across 12 islands
- 92/100 Climate Resilience Score

Slide 10: Call to Action

Build TongaDAO Together

- Fund post-disaster resilient infrastructure DAO
- Support seafloor geothermal innovation
- Expand floating community asset models in the South Pacific

Contact: hello@cuttlefishlabs.org greenisland.earth/tonga

DAO Briefing Decks and 1-Pager Summaries for SIDS Blue Prosperity Pilots

Powered by Cuttlefish Labs + Green Island Ventures

June 2025 Master Index

1. The Azores – AzoresDAO

Focus: Geothermal microgrids, whale-friendly marine economy, kelp blue carbon **Key Projects:** - Heat loop systems for rural villages (clean heating) - DAO-managed marine eco-tourism zones - Regenerative kelp cultivation + credit tokenization

US/Portugal alignment: Leverage EU Blue Bonds + Atlantic renewable tech co-development

2. Bermuda – BermudaDAO

Focus: Coral finance DAO, W2E innovation, hurricane-proof housing protocols **Key Projects:** - Coral bond issuance mechanism via NFT-backed debt tokens - Biochar-based W2E node for Hamilton - Resilient civic centers and DAO treasury safes

Partnership Target: Global Reinsurance, Ocean Risk Alliance

3. Micronesia – MicronesiaDAO

Focus: Coral atoll elevated land, geothermal + basalt industry, sovereign compute **Key Projects:** - Floating park on Pingelap - Geothermal + basalt facility in Chuuk - Municipal AI Data Center for education and commerce

Co-Funding Channels: Green Island Core Vault, Diaspora Fund, Blue Prosperity Coalition

4. 🌉 Fiji – FijiDAO

Focus: Mangrove zones, reef monitoring, floating health/education infrastructure **Key Projects:** - ReefGuard AI marine monitoring network (DAO-issued bounties) - Floating school + desalination health hub - DAO revenue via eco-tourism and reef credits

Language Support: English + Fijian

5. Samoa – SamoaDAO

Focus: Climate-smart housing, biochar agriculture, cyclone recovery DAO tools **Key Projects:** - Modular prefab housing for displaced families - DAO-led carbon farming co-ops using biochar - Smart cyclone insurance payout vaults

Partners: Samoa Disaster Office, Pacific Islands Forum

6. Tonga – TongaDAO

Focus: Seafloor geothermal, floating markets, tsunami resilience **Key Projects:** - Undersea heat exchanger microgrid in Ha'apai - Floating fisheries co-op market - DAO for rapid tsunami recovery with milestone-based vaults

Data Use: Real-time ocean sensing to trigger BuilderVault unlocks

7. Vanuatu – VanuatuDAO

Focus: Cement-free construction, blue carbon, ocean-adaptive housing **Key Projects:** - Cement alt production from ash + coral sand - Marine housing prototypes + mangrove buffer parks - DAO governance for ranger programs + carbon revenue

Donor Target: GCF, Blue Prosperity, Australian DFAT

Each briefing deck will include: - 10-slide DAO deck with visuals (PDF & Google Slides) - 1-page proposal summary (PDF) - Budget + timeline table - Local language support for bots and governance - SISD yield forecast + climate resilience score

To be generated next per user selection or priority sequence.

Proposal to the Blue Prosperity Coalition

DAO Infrastructure for Marine Sovereignty and Climate Resilience in SIDS Submitted by Cuttlefish Labs + Green Island Ventures

June 2025



Blue Island Sovereignty: DAO-Governed Infrastructure for Climate-Resilient Marine Nations

©Executive Summary

This proposal requests investment from the Blue Prosperity Coalition to launch DAO-governed infrastructure ecosystems in the Federated States of Micronesia and the Republic of Vanuatu. These infrastructure DAOs—MicronesiaDAO and VanuatuDAO—will fund and govern projects that:

- Build stormproof marine parks and create elevated coral-safe land
- Convert waste into clean energy and carbon-sequestering biochar
- Manufacture cement-free building materials from local inputs
- Develop geothermal and AI-integrated digital infrastructure
- Provide digital governance and dividend tools for SIDS communities and diaspora

These DAOs are powered by Cuttlefish Labs' AI + Web3 stack, including: - IntakeBot (Telegram-based proposal submission) - ScoringAgent (AI-powered ESG scoring) - BuilderVault.sol (milestone-gated funding release) - NFT identity + Snapshot voting

Alignment with Blue Prosperity Coalition Priorities

Coalition Goal	DAO Alignment
Ocean conservation + restoration	Coral-safe infrastructure, biochar from waste, blue carbon zones
Sustainable blue economy	Basalt fiber, cement-free materials, compute-based services
Marine spatial planning + governance	NFT-based DAO voting, regional SIDS multisig representation
Capacity building + sovereign finance	Community-driven DAO training, BLDR and SISD token dividends

Regions

MicronesiaDAO - Phase 1 - Elevated floating platform on Pingelap (coral atoll) - W2E + cement-free microplant - Geothermal and basalt fiber facility (Chuuk or Pohnpei) - NFT voting nodes and DAO onboarding in Chuukese, Pohnpeian

VanuatuDAO - Phase 1 - Carbon-negative cement plant (Tanna or Efate) - Mangrove-based blue carbon buffer + modular ocean housing - Digital DAO tooling for marine rangers and fishers in Bislama



Funding Request

\$5M Blue Prosperity Contribution (to be milestone-matched 1:1 by co-funding)

Use Case	Amount (USD)
DAO Vault Seed Capital	\$2,000,000
Marine Infrastructure Pilots	\$1,500,000
DAO Governance Tools (Cuttlefish Stack)	\$750,000
Capacity Building + NFT Identity Kits	\$500,000
Audit + Reporting + Impact Dashboard	\$250,000

Co-Funders: Green Island Ventures, SIDS Diaspora Funds, GCF-linked donors

Expected Outcomes

- 100k+ square meters of elevated marine-safe space
- 2MW clean energy generation (W2E, geothermal)
- 1,500 tons of blue-zone cement-free construction material
- 10,000+ wallets onboarded with Builder NFTs
- 75% local governance turnout in Snapshot DAO votes



Cuttlefish Labs - hello@cuttlefishlabs.org **Green Island Ventures** – www.greenisland.earth/ocean

Proposal for Ocean-Centric Climate Infrastructure Investment

Submitted to UN Decade of Ocean Science-aligned Funds and Partners Cuttlefish Labs & Green Island Ventures – June 2025



Blue Island Sovereignty: DAO-Governed Infrastructure for Climate-Resilient Ocean Nations

©Executive Summary

This proposal seeks catalytic investment from UN Decade of Ocean-aligned finance partners to deploy DAO-based infrastructure platforms across Small Island Developing States (SIDS), beginning with **MicronesiaDAO** and **VanuatuDAO**.

Using Cuttlefish Labs' Web3 infrastructure suite—including AI-assisted proposal intake, milestone-based smart contracts, and tokenized governance—we will fund and manage regenerative ocean-linked infrastructure: - Coral atoll-safe elevated land and marine parks - Waste-to-energy and cement-free construction nodes - Volcanic island geothermal and basalt rebar factories - Ocean-buffering architecture and blue carbon sinks

We request \$5 million in co-matched, milestone-gated funding to activate the first SIDS-led Infrastructure DAOs under the Green Island Ventures umbrella.

Alignment with Ocean Decade Objectives

Decade Objective	DAO Alignment
Protect and restore marine ecosystems	Floating parks, W2E biochar, coral-buffer platforms
Build climate-resilient communities	Elevated housing, desalination via clean energy
Advance equitable digital ocean	Local NFT identity, DAO-based governance, diaspora co- investment
Develop ocean economy sustainably	Export-ready cement, basalt fiber, compute centers

Deployment Plan

MicronesiaDAO (Phase 1 – 2025) - Elevated land platform on Pingelap (coral atoll) - W2E hub + cement-free microplant - Geothermal well + basalt fiber spinner (Chuuk or Pohnpei) - Municipal AI Data Center node (education + compute credits)

VanuatuDAO (Phase 1 - 2025) - Volcanic carbon-negative cement line (Tanna or Efate) - Ocean-adaptive housing cluster + blue carbon zone (esp. mangroves) - NFT-based coastal monitoring tools for marine rangers

Each DAO includes: - Cuttlefish IntakeBot (Telegram-based) in English + local languages - BuilderVault.sol smart contract for milestone releases - NFT-based participation, Snapshot voting, and SISD dividend modeling

Budget Request

Total Requested	\$5,000,000
Technical M&E and transparent milestone auditing	\$500,000
NFT identity onboarding + DAO training	\$500,000
Digital governance stack (Cuttlefish + Snapshot + IPFS)	\$500,000
Infrastructure pilots (W2E, geothermal, cement)	\$1,500,000
DAO seed vaults (Micronesia + Vanuatu)	\$2,000,000
Item	Amount (USD)

Co-funding from diaspora multisigs, GCF, Green Island Ventures, and local FSM/Vanuatu grants will match this total.

Impact Metrics

- 100,000+ new square meters of stormproof marine-adaptive land
- 2,000+ kW clean energy capacity from geothermal and W2E
- 1,500+ tons of cement-free materials produced
- 10,000+ DAO wallet participants onboarded
- 500+ proposals evaluated and scored via AI IntakeBot

Contact

Cuttlefish Labs hello@cuttlefishlabs.org greenisland.earth/ocean

Leveraging Cuttlefish Labs' Tools for SIDS Infrastructure DAOs

Implementation Strategy for MicronesiaDAO and VanuatuDAO

Draft v1.0 - June 2025

Objective

Utilize Cuttlefish Labs' DAO infrastructure (Cuttlefish IntakeBot, BuilderVault.sol, ScoringAgent) to streamline proposal intake, funding allocation, and stakeholder engagement across Small Island Developing States (SIDS). Focus deployment on MicronesiaDAO and VanuatuDAO to foster digital sovereignty, climate resilience, and economic prosperity.

1. Cuttlefish IntakeBot for Proposal Intake

Overview

Cuttlefish IntakeBot is a Telegram-based AI agent designed to: - Collect structured proposals - Score them with ScoringAgent (GPT-4o) - Share them for community review - Feed approved entries into Snapshot for voting

Implementation

Adaptation for SIDS: - Deploy unique Telegram bot instances for MicronesiaDAO.eth and VanuatuDAO.eth - Support multilingual UI: English, Chuukese, Pohnpeian (FSM); Bislama (Vanuatu) - Categorize submissions into: geothermal, W2E, basalt fiber, marine infrastructure, AI data centers

Workflow: 1. **Proposal Submission** via Telegram (e.g., geothermal pilot in Pohnpei) 2. **AI Scoring** (SIDS rubric: TRL, ESG, job impact, export potential) 3. **Community Review** with SBT-weighted upvotes 4. **Snapshot Vote** for top-ranked proposals

US Tech Leadership: - Position Cuttlefish as a showcase of US-led AI + Web3 - Highlight MOU-aligned US companies (e.g., Dyson) in robotics or clean tech stack

Yield

- 40% reduction in administrative overhead
- 80%+ stakeholder participation via accessible Telegram channels
- Transparent, reputation-weighted pipeline of funded proposals

2. FBuilderVaultFSM.sol for Milestone-Based Funding

Overview

BuilderVaultFSM.sol is a customized smart contract for MicronesiaDAO, enabling: - Safe, transparent capital gating by milestone - Tokenized reward distribution (BLDR + SISD) - DAO-level controls with emergency shutoff

Solidity Architecture

Key Features: - Project struct stores proposer, total funding, milestone array - proposeProject() handles on-chain listing of ideas - completeMilestone() releases funds upon DAO verification - Funds released 50/50 in BLDR and SISD tokens - Public fundVault() function allows grants, donations

Governance & Safety:

- Only DAO owner (multisig or governance relay) can verify milestones
- Vault pausing and project deactivation included for security

3. Governance Integration

- Snapshot spaces: micronesiadao.eth , vanuatu.eth
- Soulbound NFTs for voter eligibility, based on verified contributions
- Delegate node structure for regional balance (e.g., by state or island council)
- IPFS-hosted audit trail of project progress and payouts

4. Deployment Metrics

Metric	Target Outcome
IntakeBot Uptake	500+ proposals submitted in first 12 months
Community Votes	75% voter turnout via Telegram Snapshot bridge
DAO Payouts	\$2M+ disbursed via milestone-based smart contracts
NFT Holders	10,000+ identity-bound Builder NFT wallets

Next Steps

- 1. Launch localized IntakeBots with SIDS-specific scoring logic
- 2. Deploy BuilderVaultFSM.sol and fund with BLDR/SISD tokens
- 3. Initiate first governance cycle with Snapshot and NFT voting
- 4. Share proposal pipeline dashboard publicly (greenisland.earth/fsm)

Contact: hello@cuttlefishlabs.org **Source Code:** github.com/cuttlefishlabs

Live Demos: t.me/micronesiadao_intake | t.me/vanuatu_dao_bot