

# Cuttlefish Labs: AI-Driven DAO Systems for Climate & Blue Infrastructure

## The Vision

Build the protocol for civilization:

- Launch regenerative, sovereign economies in coastal & island nations (SIDS).
- Catalyze energy, food, water & marine infrastructure sovereignty, then overlay carbon & AI capital flows.

## The Technology Stack

### Builder Agents

- Multi-agent AI architects simulate climate, finance & compliance scenarios.
- Automate design + feasibility for:
  - \* Ports, shipyards, reef & breakwater retrofits
  - \* Modular microgrids & AI compute clusters
- Optimize for carbon intensity, local GDP lift & long-term DAO rewards.

### DAO-REIT & GoldenNFTs

- Structured as DAO LLC + Cayman Foundation.
- GoldenNFTs fractionalize ownership of physical + digital assets.
- E2R governance tokens enable local communities & investors to vote on budgets, expansions, carbon vault disbursements.

## The Launch Pad: Alabama Tributary Campus

- 420,000 sq ft facility in Birmingham retrofitted as our first fully integrated cluster.
- Combines:
  - \* AI planning stack
  - \* Modular renewable power & carbon capture pilots
  - \* Early stage marine composite R&D (basalt fiber for ports & reefs)
- Generates revenue from leased compute, carbon forward sales, modular exports.

## From Alabama to SIDS: The Global Blueprint

- Tech proving ground: AI + DAO systems live-tested -> Deploy sovereign DAOs for local governance
- Infrastructure scaling: Modular clusters + marine -> Smart ports, reef & fishery systems

- Capital stack: Blend of grants, DAO equity -> Unlock sovereign green & blue bonds
- Climate markets: Carbon vault payouts begin -> Tokenize & trade marine carbon sinks

## **Opportunity**

Positioning for \$50-100 billion sovereign DAO rollouts tied to marine corridors, AI-managed carbon vaults & island economic sovereignty - with Alabama as the initial proving ground.

## **Let's connect:**

Would value your advice on structuring these sovereign DAOs for SIDS & on potential aligned LPs or strategic partners.

David Hans Elze | Founder & CEO | [dvdelze@gmail.com](mailto:dvdelze@gmail.com)