



seatoken

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An underwater photograph of a sea turtle swimming over a vibrant coral reef. The water is clear and blue, with sunlight filtering through from above, creating a shimmering effect on the water's surface. The turtle is the central focus, moving from the upper left towards the lower right. The coral reef below is diverse and colorful, with various types of coral and sea anemones. The overall mood is serene and natural.

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THE PROBLEM



We have ten years to save our oceans. Our seas face multiple threats - overfishing, warming, acidification, pollution by oil, chemicals and trash, and the destruction of habitats, to name a few. The consequences of these threats are well documented, and can be clearly seen - most people are aware of the problem, and have seen, to some extent, the effects (whether in real life or via media).

There are a huge number of organisations around the globe dedicated to fighting ocean degradation, from large multinational networks like Greenpeace to smaller, regionally focused pressure groups. These organisations are passionate, skilled, experienced and determined to save our seas. But since environmental priorities are frequently in conflict with the goals of governments, the core funding streams for most of these organisations are independent. They cannot accept - frequently cannot access - state funds, and must rely upon public donations, patronage, crowdfunding and other non-institutional funding paths. This narrowing of funding availability means that these organisations do everything they can, but frequently find themselves under-resourced to tackle the problems they identify.

As Sylvie Earle put it, "No water, no life. No blue, no green". If our oceans die, we die. Ocean pollution makes its way back to humans, the toxins lead to long-term health conditions, cancer and birth defects. As ocean ecosystems die, chain reactions are triggered, affecting other ecosystems not just in the oceans, but on land. A full discussion of the grave consequences of ocean degradation is beyond the scope of this whitepaper - to learn more, visit the learning libraries of our partners such as the Ocean Preservation Society (<https://www.opsociety.org>)

OUR SOLUTION



The SEA token project has two goals:

1. We want to reduce the resources needed to gather, analyse and share data about ocean quality worldwide. This involves building more accessible ways for people to input data about the oceans where they are, more efficient ways for that data to be read and processed, and simpler, faster ways to share the results with the scientific community, the media and the general public.
2. We want to increase the financial resources available to organisations fighting ocean degradation.

Dapps

To achieve goal 1, we're building a suite of three groundbreaking Dapps.

The first is SEAScore, a Dapp for gathering data on ocean quality, including pollution levels, temperature, ecoacoustic data, habitat observations and other key indicators. SEAScore is intended for use by anyone, anywhere, with access to the internet; it is being designed with accessibility and simplicity in mind. SEAScore will be available (free) for Android and iOS.

The second is SEAhub, a Dapp which receives, stores and classifies the data sent by SEAscore. SEAhub can be used to extrapolate meaningful information from huge datasets, to recognise regional and global trends in ocean quality, and to identify and predict ocean emergencies. We're building a pool of AI filters to:

1. Identify potentially false or misleading data
2. Differentiate between "incorrect" data and genuine data indicating extreme environmental conditions
3. Group data into "buckets" for faster and easier quantification and trend analysis
4. Automatically rate data quality and relevance
5. Connect/curate data streams to/for individuals

The SEAhub front-end will be available as a desktop app for Windows/Mac, and through an online interface.

Finally, SEAsignal is a Dapp designed to form an output for the conclusions of analysis on SEAhub. SEAsignal takes signals from SEAhub, and allows them to be shared to media, governments, social media, mailing lists, etc. It is designed to amplify the messages resulting from data analysis, and share critical ocean quality data to as wide a network as

possible. SEAsignal will be available as an Android/iOS app, and accessible (with expanded functionality) in a browser.

Using these three Dapps, we'll construct a fast, accessible and flexible route for realtime data created by people around the world to be quickly, cheaply and efficiently analysed, converted into meaningful trend data, and disseminated.

SEA Token

To achieve goal 2, we have created SEA token. SEA Token is a deflationary cryptocurrency designed to feed organisations working to save our seas with financial resources. For every SEA transaction, we take 5%. 2% of this goes to our partners to fund their work, 1% is locked into liquidity on Pancakeswap, and 2% is shared out between all current holders of SEA.

We estimate that the 2% donation extracted from each transaction could realistically raise \$550,000 per day. This level of resources put into ocean protection projects would clearly make a huge difference.

See the tokenomics section below for more details on how SEA token works.



PARTNERS

The list of organisations we work with is growing all the time, but here's a run down of a few of the people we fund:



SEA SHEPHERD

<https://seashepherd.org>

Sea Shepherd was founded in 1977 by Captain Paul Watson in Vancouver, Canada, with the mission to protect and conserve all marine wildlife.

Incorporated in Oregon in 1981 as the Sea Shepherd Conservation Society, today the movement has thousands of Sea Shepherds in over 40 countries working together on campaigns around the world.

"At Sea Shepherd, we are bold because we must be. With innumerable marine wildlife species on the brink of extinction, the stakes are much too high to be timid. We are always on the front lines. We go where others cannot or will not, operating within the boundaries of practicality and adhering to the guidelines defined by international and domestic law.

From our inception in 1977, as a small organization with one boat, Sea Shepherd has grown to become a global movement of thousands of passionate and courageous volunteers working on the decks of ten ships – and soon to be more – operating all around the planet. Our message over these last four decades has been consistent and transparent: we expose, intercept, and oppose illegal operations that damage and destroy marine wildlife and habitats.

Our range is vast. We have successfully stopped poachers and habitat destruction in Benin, Ecuador, Gabon, Indonesia, Italy, Liberia, Mexico, Namibia, and multiple other countries. Our efforts are unrelenting. We have facilitated hundreds of arrests, the seizure of dozens of poaching vessels, and the confiscation of thousands of illegal nets. Our successes are widely heralded. We have received multiple awards, including the Amazon Peace Prize from Ecuador and the Distinguished Service Medal from Liberia, among others.

The people of Sea Shepherd are known to be incorruptible, passionate, persistent, professional, cooperative, and effective. Together we fearlessly defend life and diversity in the oceans. Together we ensure that existing laws designed to protect the oceans are upheld. Together we strive to build political will and capacity to ensure that the rest of the world follows our lead."



CORAL REEF ALLIANCE

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<https://coral.org>

The Coral Reef Alliance (CORAL) is a non-profit, environmental NGO that is on a mission to save the world's coral reefs. We work collaboratively with communities to reduce direct threats to reefs in ways that provide long-term benefits to people and wildlife. In parallel, CORAL is actively expanding the scientific understanding of how corals adapt to climate change and is applying this information to give reefs the best chance to thrive for generations to come. Our broad expertise uniquely positions us to rally the conservation community around scalable and effective solutions for coral reefs around the world.



5 GYRES

<https://www.5gyres.org>

The 5 Gyres Institute is a leader in the global movement against plastic pollution with more than 10 years of expertise in scientific research and engagement on plastic pollution issues. Since 2009, the team has completed 19 expeditions, bringing more than 300 citizen scientists, corporate executives, brands, and celebrities to the gyres, lakes, and rivers to conduct firsthand research on plastic pollution. Through this research, 5 Gyres continuously engages diverse stakeholders in understanding the science to drive impact as well as conduct community outreach and citizen science to implement data-driven solutions. With over 1,800 Ambassadors in 66 countries, 5 Gyres supports and is supported by community members with information, tools, and connections to help drive local change to fight this global crisis.



GILI ECO TRUST

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<https://giliecotrust.com>

Gili Eco Trust, or Yayasan Ekosistem Gili Indah, is an NGO based on Gili Trawangan. It was founded in 2002 to protect coral reefs around the Gili islands from destructive fishing. In 1999 local fishermen founded the SATGAS to patrol the waters around the three Gili islands. Back then, the reefs were frequently fished with dynamite and cyanide, destroying all the coral and killing the aquatic life inhabiting the reefs. Coral reefs had been left in a disastrous state after the intense El Niño in 1997-1998. The local population reacted and organized patrols to eliminate and educate against the bad fishing practices. An agreement was created between the fishermen, defining the legal techniques of fishing, limited to certain authorized zones, in an attempt to eradicate destructive fishing methods for good.

The Gili Eco Trust has grown and expanded its activities from marine conservation to waste management and sustainable eco-tourism. In 2004, Gili Eco Trust started the Biorock project. The creation of artificial reefs and restoring the natural habitat of thousands of fish in previously destroyed and overfished areas of the reef.



GREENWAVE

<https://www.greenwave.org>

GreenWave trains and supports regenerative ocean farmers in the era of climate change. They work with coastal communities throughout North America to create a blue green economy — built and led by regenerative ocean farmers — that ensures we all make a living on a living planet. To scale, GreenWave cultivates a “Regenerative Reef” model in new regions. From a climate perspective, thriving Regenerative Reefs provide impact at scale. Regenerative Reefs offer numerous downstream benefits ranging from sequestration of nitrogen and CO2 in ocean and land-based agriculture processes, rebuilding of coastal marine ecosystems, economic development, job creation and rebuilding of Reef ecosystems.



OCEAN PRESERVATION SOCIETY

<https://opsociety.org>

The Oceanic Preservation Society is a California-based 501(c)(3) non-profit organization that promotes marine conservation and environmental protection by combating complex global issues such as biodiversity loss, climate change, illegal wildlife trading, deforestation, and unsustainable fishing through documentary and media. It was founded in 2005 by photographer and current award-winning Executive Director Louie Psihoyos and Silicon Valley entrepreneur Jim Clark.



PROJECT AWARE

<https://www.projectaware.org>

Founded in 1989, Project AWARE works with scuba divers across the globe to protect underwater environments. With offices in UK, US, and Australia, Project AWARE supports divers acting in their own communities to protect the ocean, with a focus on implementing lasting change in two core areas: shark conservation and marine litter. Project AWARE takes action to create both local and global change for the ocean, and the communities who depend on it. We believe that each of us, every day, has the power to engage in making the world a better place. We don't just want to conserve the ocean - we want to live in a world where the ocean no longer needs protecting.

TOKENOMICS

At a glance:

Total supply: 200,000,000

Locked into liquidity: 40,000,000

Burned: 80,000,000

SEATOKEN CIC (the issuer) will issue 200,000,000 SEA tokens as ERC-20 tokens on the Binance Smart Chain



FAIR LAUNCH: NO ICO

We want everyone to have an fair chance to invest in SEA from day one, so we're fair-launching the token. This means there's no ICO, no private sale or any other mechanism to pump the start of the project - we've raised \$10,000 to match the 40,000,000 SEA we're locking into liquidity on Pancakeswap.

10% of the total supply will be earmarked for marketing (airdrops, contests, etc)

20% (40,000,000 tokens) will be locked into the Pancakeswap liquidity pool for 12 months, using Cryptex. By the time this 20% becomes unlocked, it will have been more than replaced by the 1% liquidity tax extracted from every transaction.

40% (80,000,000 tokens) will be sent to a burn address (0x000) immediately after the contract is deployed, in order to create deflationary conditions for the token going forward.

The remaining 30% will be retained, with the following future uses:

1. Future token releases to fund the ongoing development of the SEA project, specifically the three dapps (SEAScore, SEAHub and SEASignal), listing fees on centralised exchanges, code updates and audits, etc. If we release more tokens, it will be done in the most effective way to protect SEA Token's price
2. Future burning, to add upward price momentum if required

Every swap will incur a 5% sales tax, split into:

- 1% locked into liquidity forever
- 2% sent to the charity wallet for distribution to ocean protection partners
- 2% shared between all current holders, proportional to their holdings

These splits are not only written into the smart contract, they're written into the fabric of our community interest company, they form the basis of our economic model.

Let's look at each element of the tax separately.

Liquidity

1% of every trade is locked into liquidity forever - it makes for a rising price floor, and a healthy token. To make sure we don't negatively affect the price of SEA by gradually unbalancing the SEA/BNB pair in the liquidity pool, we split this 1% in half, convert one half to BNB, and add the two halves to the liquidity pool, keeping everything in balance.

Charity wallet

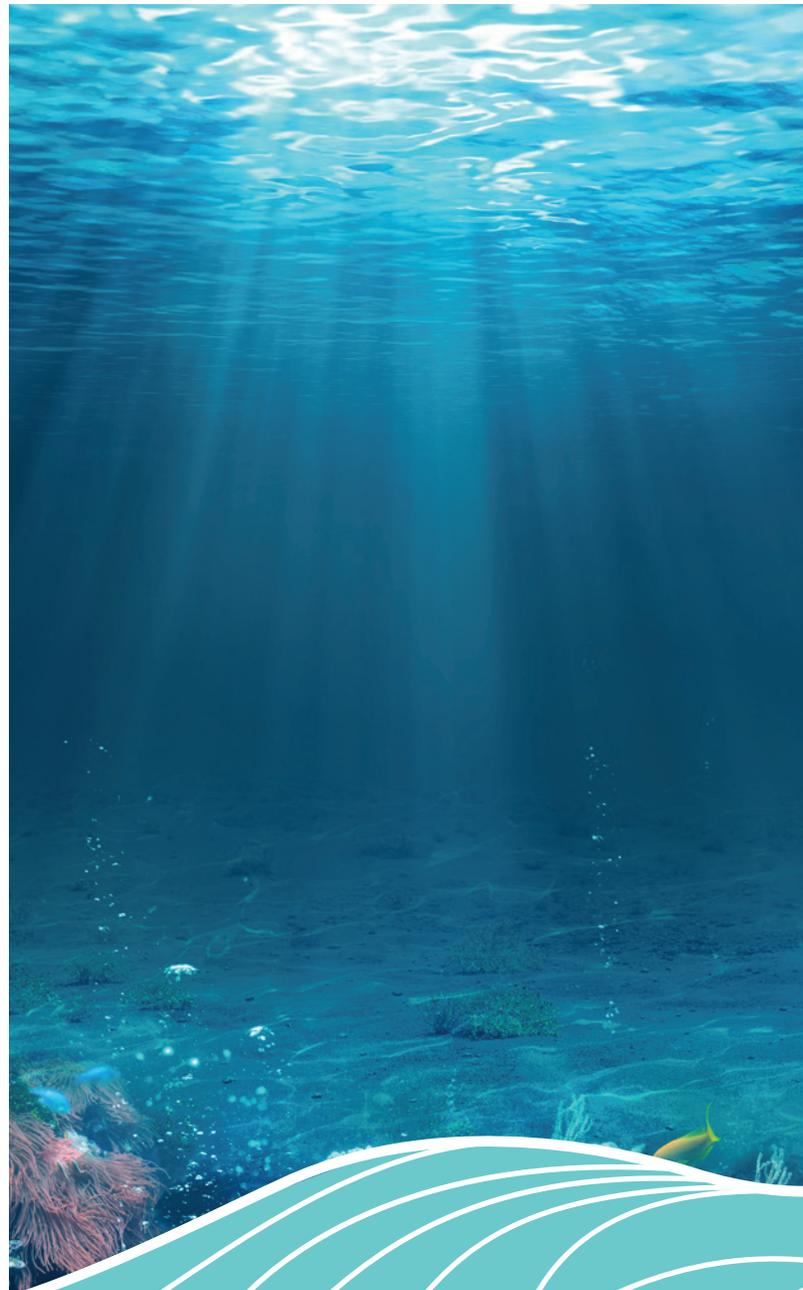
This is the core of SEA token, and the reason for its existence - this 2% will provide a valuable resource to the ocean protection organisations we work with. Let's assume, for the sake of example, a 24h trading volume of \$27,500,000 USD. 2% of that is \$550,000 USD. We could be sending over half a million dollars **every day** to organisations fighting ocean degradation.

Auto-farming

2% is shared between all current holders, proportional to their holdings. This automatic yield protocol is a replacement for farming, allowing holders to earn from their holdings without staking, without risk, and without coins ever leaving their wallet. An example:

- User A has 500,000 SEA tokens in her wallet. That's 0.25% of the total existing supply of tokens
- User B buys 100,000 SEA tokens. 2% (2,000 tokens) is taken out of the transaction, and split between all existing holders
- User A gets 5 SEA tokens (0.25% of 2,000) automatically added to her wallet.

SEA token is **deflationary**. 80,000,000 tokens were burned - that's 40% of the total supply. The burn address subsequently holds 40% of all SEA tokens, so every time we take 2% out of a transaction to distribute to holders, the burn address gets 40% of that. In the User A/User B example above, 800 tokens (40% of 2,000) would be burned. This ensures an ever-decreasing total supply of SEA tokens, and encourages an ever-rising price floor.



ROADMAP



DATE

EVENT

26/04/2021

SEA Token deployment, liquidity locked, initial burn

05/2021

Dapp development starts

Simultaneous development of SEAScore, SEAHub and SEASignal will allow for the most efficient co-integration of each element

05/2021

SEA token website: launch SEAstarter

A launchpad for new ocean protection/restoration project. Holders vote on projects to receive support from the charity wallet.

06/2021

Official SEA merch store launch - ecologically sound and ethically produced SEA branded clothing (pay with SEA or fiat)

07/2021

SEAScore prototype launch

09/2021

SEAHub prototype launch

11/2021

SEASignal prototype launch

11/2021

SEA Dapps partner network testing

12/2021

SEA Dapps launch



COMPANY & TEAM



SEA Token CIC is a community interest company (#SC694232) registered in Scotland, with its registered office at SEA Token CIC, Clyde Offices, 2nd Floor, 48 West George Street, Glasgow G2 1BP.

The team behind SEA token, and the SEA Dapps suite, is legion - our work would not be possible without the input and guidance of a global network of environmental scientists, field workers, developers, data scientists, activists and environmental campaigners.

JAMES BIRCHALL

Founder

James is a former web designer turned arts entrepreneur. He was Director of Kudos Distribution, founded pioneering arts facility Fuse Art Space, and in 2017 founded the world's most talked-about international arts school, CAMP. Bootstrapped from a £150k loan, CAMP is now one of the best known arts education projects in the world.

James has built applications for British Gas, Plusnet, Aviva and dozens of other high profile companies.

HAME MOSTUBAR

CTO

Hame is an OG blockchain specialist, with over a decade of experience developing digital ledger technology. He has worked on some of the largest projects in the blockchain sphere, and has contributed to numerous pathways of academic research including the MIT Bitcoin Club and TechIgnite events.



MORE INFORMATION

Project website:

www.seatoken.org

Twitter:

twitter.com/sea_token

Medium:

medium.com/@seatokentech

Telegram (announcement channel):

<https://t.me/seatoken>

Telegram (group chat):

<https://t.me/seatokengroup>

Instagram:

www.instagram.com/sea_token

Facebook:

www.facebook.com/sea_token

Youtube:

www.youtube.com/channel/UC1tGR24Gf2_0hT8p-Wp1zzw

Reddit:

www.reddit.com/r/seatoken

Discord:

discord.gg/g5keaaZH8g