



Planning Document

Vision

Build a protocol and community dedicated to creating an ecosystem of location-based Web3 applications and spatial contracts. A modular architecture, each component useful on its own, but designed to work together.

Spatial data capture ----- analysis ----- storage ----- oracle ----- smart / spatial contracts ----- dapps

Status

- Hackathon recognition: Hyperaware (spatial governance protocol), Sustainability-linked bond.
- Filecoin Development Grant: GeoDIDs and IPLD-encoded GeoTIFFs for Web3-native cloud geospatial capability
- In talks with first code collaborator to design GeoDID spec
- Interviewing prospective users: spatial finance,
- 5 active community contributors
- 6 Gitcoin grant contributors
- Designing model, validating technical feasibility
- Identifying and validating value propositions for customers
- Are we a public good? A company? Both? Neither?

Roadmap (draft)

Priorities: Tech, Growth, Community.

Metrics

Tech: ____

Growth: ____

- Projects building Astral-compliant code

- Funding raised on Gitcoin
- Gitcoin grant number of funders

Community: ____

- Diversity of the contributors

December 2020

Tech

Plan and architect: data storage, oracle, smart contracts and tools.

Tidy up smart green bond, submit to Encode Hack.

Research / write draft GeoDID Method Specification.

Research / design ecosystem dynamics.

Growth

Apply at Open Web Collective

Apply at KERNEL Fairlaunch track

User interviews with 2 prospective users.

Get 5 funders for our Gitcoin grant

Submit for funding from ESP

Community

Get one code contributor. (Mike Prorock with mesur.io)

Research governance plan - DAO, myco, etc. Snapshot.

Holiday thank you emails to 2020 advisors; schedule January calls.

Q1 2021.

Tech

Submit draft GeoDID Method Specification to Filecoin, W3C community.

Develop '@astralprotocol' modules to CRUD GeoDIDs

Build front end of the data onramp for data providers to add data to Astral.

Validate with ecosystem stakeholders.

Design Astral architecture and identify key partners for reference implementation

- IPFS
- Chainlink?
- Ocean Protocol?
- Ethereum

Growth

Get 10 funders for our Gitcoin grant

Interview 3 data providers and 3 developers who would build on Astral Protocol

- Satellite imagery
- Food security
- Maritime security
- Other?

Strategize on growth tracks: Web3 (likely retail) and Traditional (likely institutional) sectors

Submit for non-dilutive funding from 1-3 sources like Metacartel, Moloch, etc.

Community

Draft token model / plan and submit for community feedback

Publish weekly community updates

Hold monthly community call

Get 3 code contributors (mesur, LABS, Vault Labs? [GeoWeb?](#))

Get 5 people adding utility to the community

Find a community manager to run twitter, etc ?

Develop brand strategy / identity playbook

Join Panvala League

(Is this too much for Q1?)

Q2 2021.

TBD.

\$ASTRAL Token Design

Principles

1. Don't force it.
2. Minimum viable complexity.
3. Recognize value in its many forms.
4. ???

Potential Uses for \$ASTRAL

1. Fundraising for the project. A token sale? IBCO?
2. Governance. Voting. On Snapshot.
3. Contributor rewards. Allocation schedule, bounty-based.
4. Data accessibility mining: rewards for spatial data providers making datasets available on Astral.
5. Curation services: rewards for curators checking, organizing and classifying spatial datasets.
6. Pay for data use. By oracle x smart contract consumers, or other off-chain consumers.
7. Underpin spatial finance liquidity pools. <- ??