



Arable Protocol [Draft]

For users - One-stop yield farming protocol

For technicians – farmable synths protocol

The problem

Dozens of chains are available in the crypto ecosystem and people feel it is hard and risky to cross the bridge for time and fees.

And the applications and wallets on the other chains are not experienced enough by those users.

Lots of yield farmers are available in crypto space and they want to try farming on other worlds, but they have network and wallet variers.

The biggest benefit is for people who manage lots of assets on various chains.

The solution

Arable protocol's goal is to bring various chain's growing assets on a single chain.

Users are not needed to cross the bridge but just use a single interface to farm and there are various ranges of assets to use.

Users can farm Ethereum, BSC, Polygon, Cosmos, Polkadot, Solana, AVAX assets on the Avalanche network.

The core logic is to create a new token on a network that exists on the alt-chain.

Arable is utilizing the synths. Synths minters should be responsible for backing the amount of

minted assets at the time and the future reward assets. E.g. If anyone minted arSOL on Avalanche network, they should be responsible for backing arSOL staking rewards given to farmers.

The relevant projects for cross-chain farming

1. Building secure bridges to allow cross-chain token transfers

This does not solve all the problems as those apps on other chains are not familiar with users.

2. Single wallet to manage all cross-chain assets

It isn't providing enough farming features and cross-chain token swaps to take time and fees.

3. Synthetic assets – it is allowing trades of synths but not providing the farming of synths. For instance, ETH is a staking coin but sETH is not a staking coin.

The type of users on the platform

1. Synths issuers, we will call them minters or stakers.
2. Synths farmers & traders, we will call them farmers

The minters

- To mint synths on our platform, minters need to purchase our native token – ACRE (synths farm token).
- The protocol doesn't care if minters do mirror farming on the native network but recommends them to run action on native chains to not lose their assets.
- The minters' profits while running the service on Arable are
 - A. ACRE rewards based on the amounts of synths they have minted
 - B. Synths fees spent by farmers for trading and farming
- Minters could lose assets while moving assets either when using centralized exchange or decentralized exchange or cross-chain bridge.

The farmers

- Farmers provide 0.9% of their farming and trading fees to minters as without minters, they can't do farming of the assets. It's similar to the commission rate on delegated proof of staking systems.
- Farmers provide 0.1% of their farming and trading fees to the protocol developers to incentivize developers to build a better system.

- Arable incentivizes farmers to do farming on the protocol with ACRE tokens at the beginning.
- Yield farmers can farm other ecosystem's assets with nearly the same APY without using cross-chain bridges – e.g. they are not needed to cross Polkadot, Cardano, Cosmos, Solana and those bridges that they feel are inconvenient.
- Other ecosystem assets like SOL or ATOM can be used widely in Avalanche based DeFi applications – No popular DeFi apps are not available on the Cosmos ecosystem, but these assets can be used on popular apps like Compound or Aave.
- Traders can trade various of assets without chain variers and high trading and bridge fees – and reduce time for setting up

In the future, protocol will build a universal cross-chain bridge or utilize the best bridges to help minters to cross the bridge with low fees and high security.

Once basic protocol is built, protocol will introduce the leveraged yield farming to give the best farming experience to users.

Protocol terms

Name: Arable protocol – means a good place for growing crops.

Native token: ACRE – the unit of counting land area - crops can grow on the arable land.

The first name of synths: `ar` - e.g. arBTC, arETH, arSOL, arUSD ...

Market validation

- Yield farmers feel scary setting up new wallets for setting up other farms
- The main beneficiaries are yield farmers
- The first chain to launch our product is Avalanche
 - A. Avalanche ecosystem has grown pretty much but not many DeFi apps are available yet
 - B. Bringing synthetic assets on Avalanche would grow Avalanche ecosystem a lot
 - C. Easier to reach people and make partnerships with ecosystem projects with less effort and can put more time on product completeness
 - D. Can create own network on Avalanche where fee is paid in our native token ACRE
- The problem is big enough as
 - A. Lots of good projects that has its own chain or on the other network is still not being reached by users since users just follow the trending chain

B. The number of yield farmers are big enough who want to reach good projects

Product

- Synths minter application with secure oracle integration
- Zero slippage DEX platform that supports arable synths based on oracle
- UX optimized farming with highest APY pool
- Governance system

MVP for initial traction

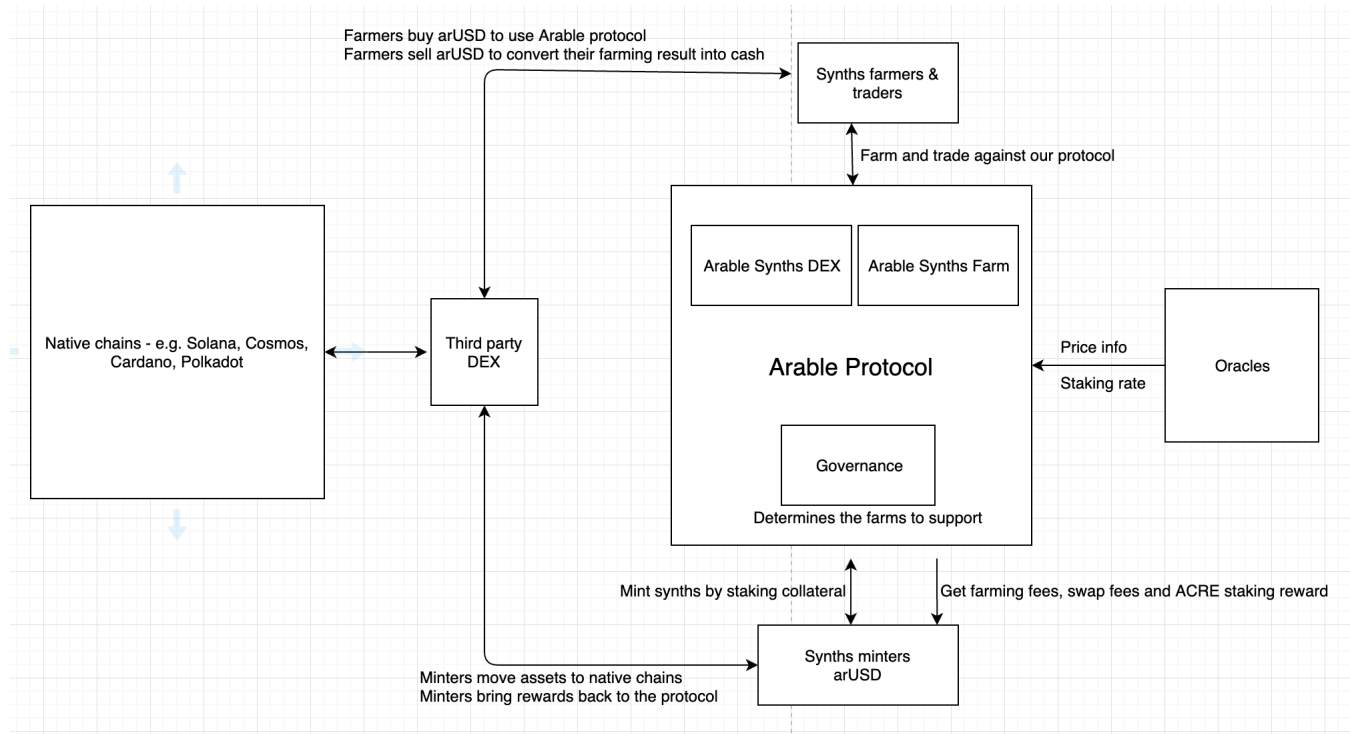
- Protocol should let small farmers to get incentives at initial
- Protocol should let small synths issuers to get incentives
- The price of ACRE should have lower limitation for platform's stability

Roadmap

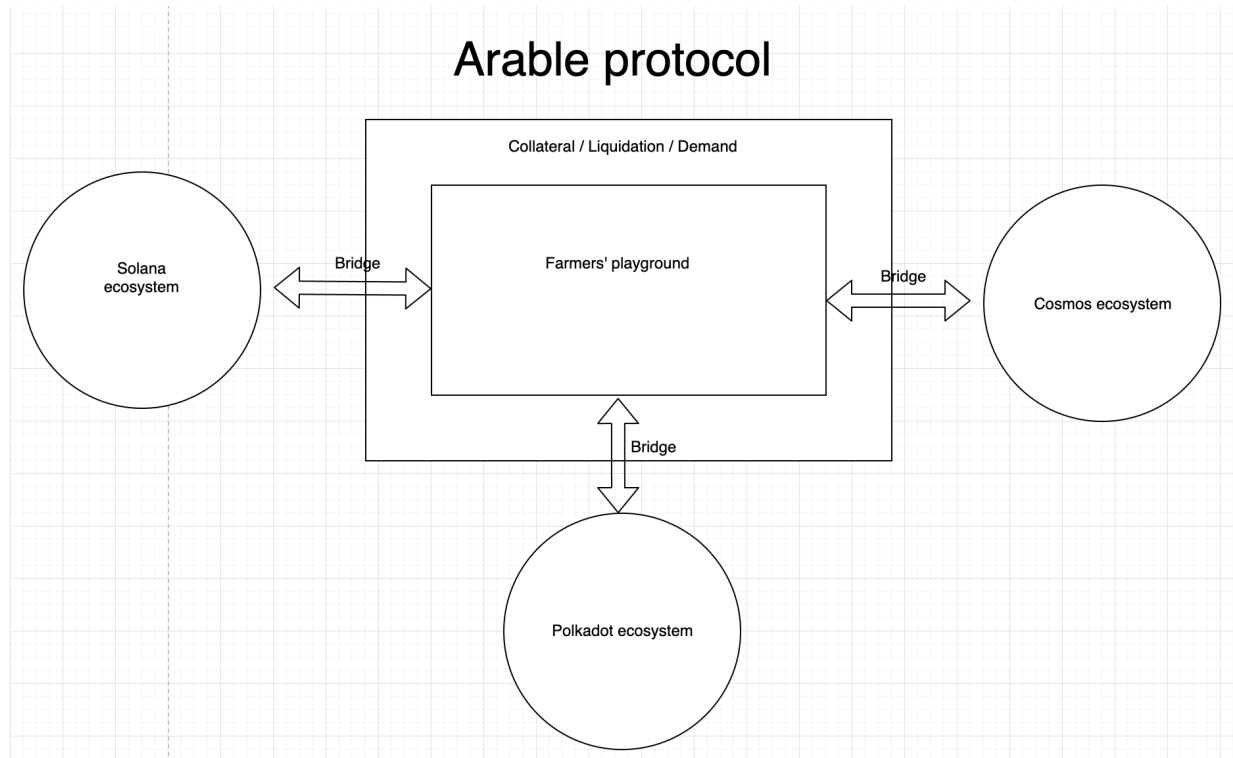
- Project idea validation, name and token symbol determine [DONE]
- Team up the foundation, development team, marketing team [DONE 80%]
- Tokenomics [DONE 80%]
- Project documentation & Website [DONE 70%]
- Look for private investors & influencers, farmers, LPs and project fans [DONE 50%]
- Launch native token ACRE by November 2021
- Airdrop and DEX listing by November 2021
- Implement staking and liquidity mining of ACRE – platform native token by November 2021
- Implement vesting of ACRE to foundation members and team members by December 2021
- MVP v1 launch on test and run incentivized testnet for 2 months by December 2021
- Full MVP launch and run incentivized testnet for 2 months by February 2022
- Beta product launch and run incentivized testnet for 1 month by April 2022
- Mainnet MVP launch on Avalanche with small size farmers and synths issuers by May 2022
- Mainnet launch with no limitation by June 2022
- Launch on evm-compatible chains like ETH, BSC, Polygon, Heco by August 2022
- Launch on other chains like Cosmos, Solana, Polkadot and Cardano by 2022
- Build or utilize cross-chain bridges to help minters to cross the bridge with low fees and high security.

- Support leveraged yield farming of synths by 2022 – it can be done by building partnerships with leveraged yield farming protocols like alpaca finance or building on our own.
- Partner with ecosystem projects
- Listings on Centralized exchanges [Not determined yet]

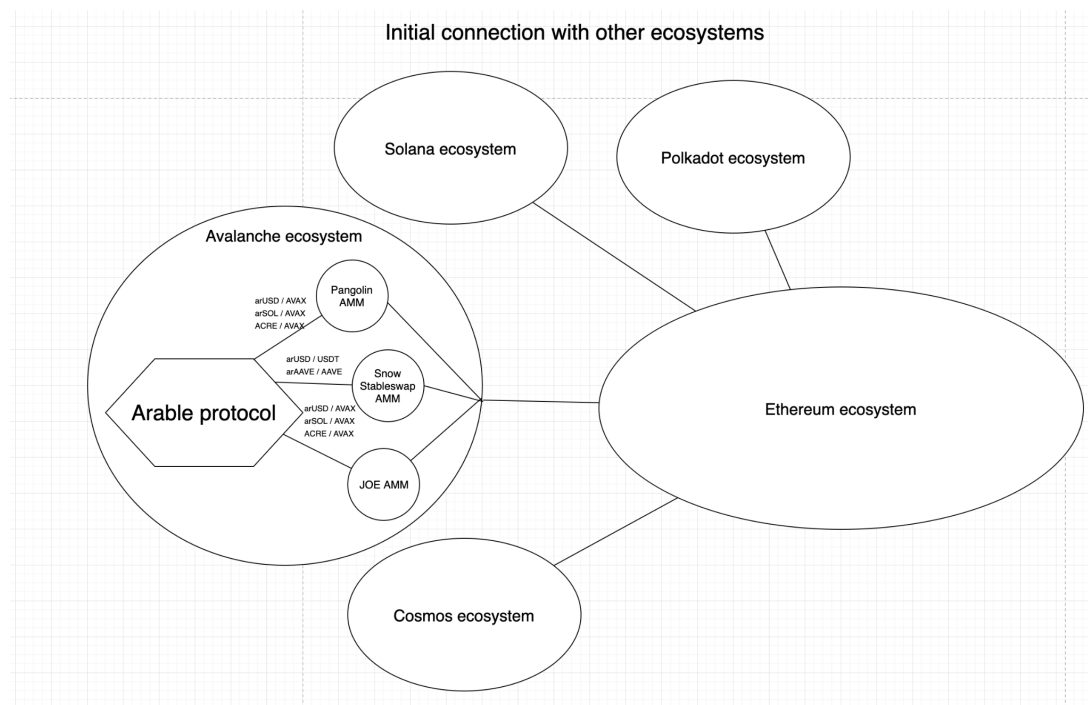
- **Arable user workflow**



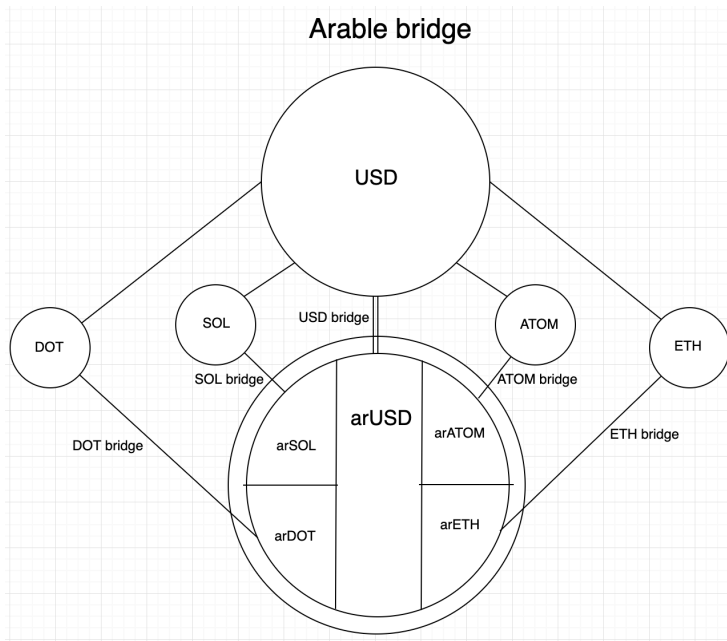
- **Arable general overview**



- Ways to enter Arable from other ecosystems at initial



- **Ideal connection with Arable and other tokens via direct bridge**



- **App wireframe**

Arable farms

Token	Rewards	APR	Native Network	Liquidity (Synths / Native network)	Historical rewards		
arOSMO	arOSMO	245%	Osmosis	\$10M / \$100M		Buy	Sell
arSOL-arRAY	arRAY	15%	Solana	\$10M / \$1000M		Buy	Sell
arAKT-arOSMO	arOSMO	15%	Osmosis	\$1M / \$10M		Buy	Sell

Stake ACRE

Token	APR	Liquidity	Historical price			
ACRE	30%	\$10M		Buy	Stake	Unstake

Arable synths

Token	Service APR	Fee charge	Native Network	Liquidity (Synths / Native network)	Historical rewards		
arAKT	arAKT	0.9%	Akash	\$1M / \$10M		Mint	Burn
arOSMO	arOSMO	0.5%	Osmosis	\$1M / \$10M		Mint	Burn

My Farms

Claim all farm rewards

arSOL-arRAY
APR 150% | Farm size \$10M

arQUICK
APR 150% | Farm size \$10M

arAKT-arOSMO
APR 150% | Farm size \$10M

arSOL
APR 150% | Farm size \$10M

Build farm

Unbonding time

1 day
7 days
14 days

From **50000** Balance: 1000
Max ☐ S arUSD ✓

To **500** Size: 20000
☐ SR arSOL-arRAY ✓

Build

Sell farm

Unbonding time

1 day
7 days
14 days

From **500** Size: 20000
Max ☐ SR arSOL-arRAY ✓

To **500** Balance: 1000
☐ S arUSD ✓

Build

Swap synths

From
Balance: 1000

To
Balance: 1000

Price
100 arUSD per arSOL

Swap

Constant 1% fee with zero slippage

Mint synths

Staked Value	C-ratio	Active Debt
\$10000	1000%	\$1000

Amount
Balance: 1000

1000
(U) arUSD ✓

Mint

Burn synths

Staked Value	C-ratio	Active Debt
\$10000	1000%	\$1000

Amount
Balance: 1000

1000
(U) arUSD ✓

Burn

What other critical tokenomics problems does it solve?

At the first stage of projects, people usually sell staking rewards but the required ACRE tokens grow as time goes on as synthetic assets are being minted based on APY info. Therefore, most of the tokens will be re-staked to the platform.

What assets should we bring as a first stage?

We would include Cosmos ecosystem projects that are quite promising projects and they are not being used a lot by DeFi applications right now. It would be a big value to bring the farmable assets from the Cosmos ecosystem.

Based on the community's request, we will include further assets in priority order.

What are the main differences with other synthetic assets platforms like Synthetix and Mirror?

- The assets are crypto assets available in crypto ecosystem - not focusing traditional stocks
- The assets are farmable and protocol gives both native token ACRE and synths to farmers

Social links

<https://github.com/ArableProtocol/arableintro/blob/main/Arable%20Protocol%20%5BDraft%5D.pdf> - Arable paper

<https://github.com/ArableProtocol/arableintro/blob/main/Arable%20FAQ%20%5BDraft%5D.pdf> - Arable FAQ

<https://arablefi.com> - Website

<https://medium.com/@ArableProtocol> - Medium

<https://github.com/ArableProtocol> - Github - source code is closed until launch

<https://discord.gg/CwW8fVwVxe> - Discord

<https://t.me/ArableProtocol> - Telegram

<https://twitter.com/ArableProtocol> - Twitter

<https://www.linkedin.com/company/arable-protocol> - LinkedIn

contact@arablefi.com - Contact email

<https://docs.arablefi.com/> - Protocol docs

More words for beginners

- To know more about synths, Synthetix docs describe it pretty well. (<https://docs.synthetix.io>)
- Synths minters are users who mint synths to provide farming environment for farmers
- Most of the yield aggregators support yield farming and you can get a better understanding of yield farming from those projects. (<https://www.beefy.finance>, <https://harvest.finance>)
- The goal is to bring farmable assets into existing chains, Arable is not introducing its own chain yet. It will be introduced, if the community wants it.