

# Divvy: Cooperative for Evolutionary Interoperable Community Human Support Functionality

Genesis Founding Current State Living Document

- *Toolkit For Autonomy and Agile Consensual Collaboration*

Divvy is a growing organic Distributed Autonomous Organization (DAO) of collaborating communities for mutual security, strong anonymous identity, decision support and organizational support, within our community and in the interaction among each other's communities. We support each other in using the centralized internet 2 organizational support tools available today and evolving toward trustworthy Internet 3 decentralized disintermediated interaction tools of the future. Divvy is a user-driven platform development cooperative, selecting and developing tools by consent all the participating communities can use internally and interoperably.

The object of this DAO is to "divvy" up the control, costs, benefits, and rewards of cooperation while maximizing the autonomy of the individual and freedom of the organization to act without central or external control. Divvy is a DAO of DAOs and other organizational structures - a platform which would enable a web of collaboration among DAO communities organizations among participants or users of an activity or organization of diverse functions and structure. This autonomous network of communities will cooperatively develop and adopt trustworthy organizational support service alternatives which operate in a trustless environment.

We aim to develop autonomous governance and support tools that are decentralized and scalable. This is an invitation to combine the efforts of the many innovators within this space. It will support the initial application of these facilities by the member communities.

WHY? Internet applications are becoming decentralized. This will change everything we do. Either we manage the change or risk obsolescence. We collaborate on standards, tools and gateways for interoperation. Where we have consensus we can divvy costs and all benefit, acting collectively.

HOW? We start simple. With a small number of participating communities we start with weak consensus among the communities. A community can bring their own governance structure and hierarchy or use a Divvy standard DAO model. Community Representatives of participating communities deciding by weak consensus and cooperating with other communities on the interoperation of identity, token exchange, standard decision and operational support tools, etc. Funding of solutions is by decision processes including tools like liquid democracy and normalized range vote of team/community participants in a user/community driven (determined) manner. Decentralized decision process orchestration of decision best practices building consensus from the bottom up with tools like decision trees and tables ultimately can result in better decisions. Encouragement of dispute followed by orchestrated dispute resolution

“testing” solutions leads can lead to greater objectivity. Alternative contracts controlling decision processes of various types can be improved over time automating the process.

Motivators:

1. Communities participating include a [FreeTrust](#) proposed partnership with OWASP which may bring in an autonomous collaboration community of thousands of makers, breakers and users of security building strong anonymous bring-our-own-ID community federation.
2. Investment, open source and creative commons contributions employed by the Divvy receive Divvy tokens representing a proof-of-cooperation.
3. Divvy token holders form a pool that can provide a trustworthy default intermediary we can all share that is owned by the DAO stakeholders. Blockchain contracts are not scalable to millions of transactions a minute without mediators provably witnessing transactions off the blockchain (e.g. [lightning channels](#)). As a trustworthy mediator the contributors will receive a small fee or dividend on their DTH or DivvyToken ownership when used as a mediator of safe cooperative transactions (contracts) among communities involving ETH, AMPs and our other standardized community currencies. In addition to supporting standard Ethereum tokens, the Divvy compatible token transactions contracts provide safety by being trusted by the Divvy community and provide for interaction with other currencies or assets and proof of stake consensus for conflict resolution. This will justify the small fee users will pay. Furthermore the Divvy token holders will vote in proportion to their ownership stake to resolve conflicts where the communities fail to reach a sufficient consensus. Stakeholders can assign their vote to a contract for assigning proxies or other voting mechanisms so they need not participate in every decision.
4. [Synereo](#) may match expenditures by investors with commensurate AMP contributions of up to 25 million Amps (TBD) for the development of DAO functionality supporting the autonomous operation of its community.
5. Funding from [The DAO](#) may be possible if it recovers from its recent exploit.
6. [The MacArthur Foundation](#) is seeking to fund a world changing project project which the Divvy platform collaborations might find a place in. We are seeking to join with others in development of a proposal. Due Oct.
7. NSF Secure and Trustworthy Cyberspace (SaTC) interdisciplinary CORE \$500k
8. Synereo Project 11 (11M amps available JIRA link?)

The intention is to refine plug-and-play DAO functionality to a much finer grain than any DAO currently supports, going well beyond the gross funding level and investor community relations and includes support for all DAO activities and decentralized decision making. Future projects making proposals to The DAO can simply build and deploy their contract using plug-and-play components developed under this proposal. Such a system will inherently support any community that collectively controls execution of the proposal within well defined autonomous processes.

The aim of this project is evolving greater functionality to meet autonomous community needs using and improving what already exists to the greatest extent possible. We will use what is available whenever possible to meet our requirements. We seek only to fill in the gaps no one else is doing.

For each requirement a participating community leader/team will lead development of proofs of concept for competing contract or interface approaches to be evaluated for potential inclusion in the Divvy Community DAO2.0 toolbox.

## Goals

1. DAO2.0 Platform collaboration
  - a. Meets the needs of DAPP Communities, i.e. Ethereum, Slock.it, Synereo, The DAO community, FreeTrust.org etc.
  - b. Flexibility to be utilized by groups having most any organizational structure, allowing evolution of structure rather than enforcing it.
  - c. Initiate best practices around the use of Slack, consider.it, Discourse forums, Google Drive, Consider.it, Taiga and countless other useful legacy resources
  - d. Implementation as Ethereum smart contracts with user installable Web 2.0 and meteor user interfaces, and designed for Synereo social contracts to be integrated when possible.
  - e. Alliances sought with Daohub, Synereo, Owasp etc.
2. What does it do?
  - a. Creates Standards for DAO community interoperation of identities and tokens
  - b. Builds Organic organizational support (liquid democracy, holacracy, meritocracy)
  - c. Develops Strong anonymous unique BYO identities in webs of trust
  - d. Rewards Meritocracy like [ubuntu community code](#) social contracts but leaderless
  - e. Promotes User driven software development
3. Process: using the simplest effective structure that can be implemented and modified for particular communities. Initially supporting a default structure of - managers->leaders->members, or for the divvy itself, managers->leaders->communities->crowd with support for Liquid democracy and pool contracts (e.g. x of n multisig) per issue/category is the primary mechanism being considering. It is general because a pool contract can be any decision process contract used within and across communities
  - a. Set of community Representatives or vertical sub organizations
  - b. Decisions by weak manager, leader, team consensus (e.g. no more than one dissenting vote) prevents gridlock with community member override capability.
    - i. Add/remove community manager/leader/member.
    - ii. Control wallets, Spend amps/eth/etc. by weak consensus of signatories.
    - iii. Define [norms](#), procedures and processes including alternative decision processes.
    - iv. Member/participant identity,

- v. overrule managing representatives and leaders by  $\frac{3}{4}$  member vote
- 4. Communities represented
  - a. Synereo DAO Community Proposal contract
    - i. Initial community Representative/leader candidates<sup>1</sup> (@dor, @leithaus, @lapin7, @drbloom, @malthusjohn, @jimscarver @christian @ed.eykholt, @ledarsi, @jeffanthony, @davids, @xandocratic and @jonnydubowsky subject to continued participation/consensus)
    - ii. Proposed AMPs matching DAO ETH provided by Synereo up to limit.
      - 1. Providing social networking to the Divvy.
      - 2. Synereo user agent development interfacing to Divvy functionality.
      - 3. Support for Synereo user community.
  - b. [FreeTrust.org](http://FreeTrust.org): community Representatives (@jimscarver, @rb, @kendall, @romancat, ...)
    - i. Security, authentication with strong anonymous identity and reputation
    - ii. OWASP (proposed) Open Web Application Security Project (FreeTrust is proposing OWASP participation in this project)
  - c. Community legal services cooperative: B-CORPs etc. (@rushkoff?)
  - d. Minds community (@satorid, @jimscarver)
  - e. Ethereum Cooperative (@btcmacroecon @jimscarver)
    - i. Interested in networking, coalescing, social experimentation, job creation, providing education, open to micro DAOs, and working on funding to launch projects if consensus levels met.
  - f. LivelyGig? (@n, @leithaus @ryanstr @ed.eykholt)
  - g. TheDAO itself (@jeffanthony, @griff, @jimscarver)
  - h. Backfeed User Community? (will include synereo at some point)
    - i. Compatible DAO 2.0 components, backfeed protocol?
  - i. Human Interface Project <http://hi-project.org/> (see @hiproj and @sheldrake on Twitter) ?
  - j. The Rock 'n Renew foundation and Ecoblockchain ( @jonnydubowsky, ?)
  - k. Your Community?
  - l. Other community participation? Additional community participation allowed by consensus.
  - m. The united communities - Divvy DAO itself. (@jimscarver, @jeff, Brent, etc.)
    - i. Initially weak consensus of all participating communities/representatives.
- 5. Organic structure (teams will compete for delivering functionality decided by consensus)
  - a. Holacracy composed independently controlled branches (e.g.)
    - i. Democracy of Strong anonymous unique identities @jimscarver (30hr/wk)
    - ii. Stakeholders (existing DAO mechanism, with sub project scope)
    - iii. Executives
      - 1. Appointment
      - 2. Election

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<sup>1</sup> subject to final validation

- iv. Work groups
  - v. Task forces
  - vi. Community groups
  - vii. Interest groups
  - viii. Legal / judicial review @ledarsi
  - ix. Marketing group @javi @satorid
- b. Autonomous team support
- 6. Empowerment of the individual
  - i. BYO-Id, user manage authorizations (UMA), OpenID, Social login,
  - ii. Composite identity from all sources.
  - iii. Anonymous attribute verifications by webs of trust.
- 7. Community Tokens/Tickets (@kendall @jeffanthony)
  - a. Creating tokens, transferable or not
  - b. Trading, selling, buying
    - i. A maximum transactions fee in the order of .01% will be charged and put in an account 50% applied this contract and improvement of the DAO2.0 itself and 50% of the .01 as a reward to TheDAO DTH and other DivvyToken token holders contributing to the platform.
- 8. Asset management, blockchain pegging.
- 9. Discursive Decisions
  - a. Tools like loomio and consider.it to determin group sentiment and discover where consentsus might be achieved.
  - b. Commitment to build or borrow liquid democracy and range voting solutions on Ethereum.
- 10. Decision support contracts and tools
  - a. Discussion forums
  - b. Task force/team creation
  - c. Collaborative documents
  - d. Decision process workflow automation
  - e. Alternative analysis, bottom up consensus building, P2P, team, community, ...
    - i. Weak consensus @jimscarver
    - ii. Rating, ranking, [Range voting](#) @davids
    - iii. Decision trees, matrices
    - iv. Cost/benefit analysis
  - f. Delegation of authority
    - i. Liquid democracy - default vote delegation to proxy per domain @jimscarver
    - ii. Executive/Representativeship action - (budget/wallet)
- 11. Operational support
  - a. Task management (process orchestration)
    - i. Issue tracking
    - ii. Process decomposition
    - iii. Precondition triggering of collective action

- iv. Scheduling
- v. Monitoring and alerts
- vi. Work flows
- b. Free market work environment @ed?
- c. Collective remuneration @backfeed?
- d. Assignment and collection of crowdfunded bounties

## 12. Current State.

- a. Communities listed in this document.
- b. Projects in [divvy.consider.it](https://divvy.consider.it) start autonomously when the required support is collected.
- c. Meetings of project teams may be scheduled in [doodle.com](https://doodle.com) and held in the Divvy lobby zoom room.
- d. Sentiment on proposed work plans may be collected in Synereo working group [loomio](https://loomio) or Zendesk for now.
- e. [DivvyDAO.org](https://divvydao.org) blog and collaboration website are under development.
- f. Embryonic Divvy token in [google spreadsheet](#) and experimental Ethereum testnet or sandbox. Testnet ETH and Omniwallet AMP addresses are being collected from members.
- g. [Divvy membership form](#).
- h. [DivvyDAO.slack.com](https://divvydao.slack.com) slack ([request an invite](#)) is default asynchronous communication channel
- i. The live office lobby is a [zoom room](#) with teams divvying into their own rooms of choice.
- j. Weekly general meetings in the lobby zoom room at 10am EDT Tuesday.
- k. [ZenDesk](#) is initial choice for project management though teams can use what they want.
- l. Other autonomous cooperative activities.
- m. When sufficient collaboration resources are attained for a statement of work, the project is started autonomously.

## 13. Divvy Marketplace

- a. Browsing and searching categories of tools
- b. Examples of uses of the tool
- c. Communities using tool
- d. Tool reviews
- e. Tool comparisons
- f. Compatibility with other tools

## 14. Operational process

issue->alternatives->pros/cons->test/experiment<->consensus->action->schedule/assignment->complete->evaluate->improve process

## 15. Economic model

## 16. Contractors:

- a. [Proven Secure Solutions Inc.](#) #pss ( @jimscarver @rb @kendall @billw, etc.)

### 17. Development methodology: User Community Driven Platform Collaboration

We employ agile principles with continuous delivery. We start with use cases elected by our communities having gained sufficient resources and develop proof of concepts after survey of existing standards and tools and the latest cutting edge developments in the realm of security and blockchain technologies. The alternatives, pros and cons developed and evaluated by participating communities sentiment in a platform collaboration called Divvy to create interoperable Identity (BYOID), Tokens, Decision tools, remuneration and Operational support using agile methodologies. We believe free voluntary trust, the aim of FreeTrust, is a prerequisite for effective safe interaction and collaboration among communities. Participation in a project is voluntary. When there are a critical mass of participants a project will commence. (see [divvy.consider.it](http://divvy.consider.it))

### 18. Contract:

- a. ?? ETH/mo. Paid to management team or contractor for projected development period, payment per users story completed, or other arrangement..
- b. ETH to proposals agreed to by weak consensus of participating communities according to current community agreed to methodology.
- c. Synereo potentially matches ETH payments with AMP funds to proposals agreed by Synereo community Representatives by weak consensus up to ?? limit.
- d. The tools or contracts in use by communities will be evaluated and embraced and then develop what will be needed most by users

## Notes:

Slack: [DivvyDAO.slack.com](https://divvydao.slack.com) ([request an invite](#))

## Potential Alpha Use Case Deliverables

Collaborative Security/Strong privacy respecting interoperable (federated) identity is a basic requirement interoperation of communities.

Some initial use cases to be demonstrated:

1. BYO ID: OpenID, social login and blockchain identity aggregation (e.g. uPort, keybase, Social Logins, One Name, namecoin, )
2. Attribute Verification without exposing personal information; (e.g. over 21, US citizen, member of organization, etc.)
3. Easy Strong User Specified Multimodal Authentication Factors; (e.g. knowledge, device, biometric, location, behavior)
4. User Manage Authorization (UMA); User control of personal information, accounts, services, IoT, and permission delegation generally integrated across systems supporting the UMA standard and blockchain permissioned contracts.
5. Cryptographic Key Management. - secure recoverable identity private keys

6. FreeTrust augmented reality security game prototype in Owasp Ecosystem
7. Support for Representative and member community role/group management.
8. Weak consensus Representative or team voting.
9. Range voting with consider.it inspired interface
10. Group rank ordering
11. Liquid democracy vote delegation across voting contexts and methods.
12. Standard community token support integrated with ETH, AMPs, etc. incorporating small transaction fees to support Divvy and stakeholders from DAO investment.
13. Divvytoken community stakeholder token (proof of cooperation) representing open source code development and other contributions to Divvy to also receive a portion of the fees on transactions.
14. Other use cases elected by community consensus. See [Divvy.consider.it](https://divvy.consider.it) for current Divvy proposals

That a weak consensus among communities of the weak consensus of participating communities can autonomously make good decisions now has been questioned, Any viable agreement based governance cannot be quite so simplified. A proposal to the DAO depends on having a contract that we are sure will result in the capabilities we need for our communities.

rewarding people based on community feedback is good, some "likes" can be virtual money faucets by monetizing some real value in community tokens encouraging creativity and creating capital. Divvy can decide to devote resources to what people want democratically and democratically assign to trusted contractors.

9:19

writing a simple contract for that is the challenge.

WE do need to follow-up on opportunities to join up with like minded communities. A platform collaboration is not impossible.

Case Study: [DAOhub.org](https://dao.hub.org)

DAOhub is planning to allow one who constructs a DAO smart contract to utilize their communications website. The DAO is the bulk of their userbase. Eth distribution of funded projects is handled by the smart contract but there is no structure provided by The DAO to process a proposal

autonomously. For the time being DAOhub is not integrated with the DAO tokens and the forum threads are overwhelmed with chatter.

Proposals acceptance is determined autonomously without central control. There is no facility to operate The DAO community itself or trustlessly governing autonomous operation of DAO winning proposals. On top of that, decentralized organizations do much more than make decisions, they carry out their decision and are every bit as complex as organizations that are not decentralized.

This proposal intends to support these autonomous communities composed of people who, although being engaged by a DAO smart contract, need to interact and get things done by communicating the old fashioned way.

No management or operational support is needed to allocate funds for projects. It is only to carry out projects we need to organize the DAO.

While manual methods and norms such as using web2 tools like consider.it can stand in for early DAO organizational support we ultimately need to develop contracts which facilitate good decisions quickly and manage our collective labor force to its fullest potential as a DAO.

Every community needs tools to manage itself as a DAO. I am part of an effort to organize the DAO for the Synereo community

It is a proposal for platform collaboration. Building the Synereo DAO is an objective but it is intended to be a DAO platform for and community including TheDAO community 2.0 functionality.

The proposal is open to participation of other communities and open to collaboration with any other efforts developing community governance support. There is plenty for everyone to do and we do not seek to duplicate any work done by others.

It is an offer to collaborate on community governance subsidized by Synereo (the commitment by Synereo is to be determined).

if there is interest in collaboration, communities can propose development under this proposal or be participants.

The issue is whether TheDAO stakeholders see value in robust autonomous community governance and I am willing to invest to gain the capabilities they want.

It may be the DAO is the wrong venue to fund this since it benefits TheDAO and the communities using the DAO rather than the investors directly.

Synereo is a social contracting network implementing decentralized social networking having proven privacy, intelligent content delivery, and a scalable disintermediated attention economy. It will be a network nobody owns or controls that works by your rules.

I (@jimscarver) am a retired veteran of 40 years group systems R&D now working 100% to make web3 safe and effective. I am a Synereo community leader and dabbler in the altcoin space.

Synereo AMPs will power an attention economy. Today AMPs represent the value of the Synereo network and will be redeemable for services on the network. There was a tiny crowdsale but larger funding efforts are being planned including BnkToTheFuture.

Synereo has AMPs allocated for development and operations. The community has been tasked with creating a DAO that will objectively utilize the AMP budget within two years. Until it can be 100% autonomous we are approximating autonomy with interim decision processes. We are not yet at a point where we are meeting all the requirements to spend AMPs correctly and thus are largely not capitalizing on the available amps.

There has been no off-the-shelf DAO that Synereo can just use before DAOhub. Daohub however is about investment not operating a decentralized community. Software that supports the DAO is not Synereo primary mission. Why should Synereo pay 100% for a DAO capability every community needs. Why can't we collaborate on building the DAO platform? It's a catch 22 :-p

But there can be serendipity with daohub paying half the bill for development of community support contracts covering all aspects of community activities. Organizations thrive on strong leadership. For a DAO to succeed it must provide effective decision and task support. It must manage income and expenses wisely.

The DAO needs to be explicitly connected to these community activity related capabilities which ultimately need to be web3 applications working together.

The community leader consensus plus matching private funds legitimizes AMP usage in creating a real commensurate value for the community.

The tools used today to support the community are all web2. Web3 versions of them compatible with the DAO will be required as the community grows exponentially. Replacing all the tools we use today will cost many millions

What do we "The DAO" get in return?

- The DAO can use any of the community features developed as part of any contract such as liquid democracy or range voting.

How will you [we] be profitable?

- Autonomous communities will be more effective, and thus more profitable.
- Commercially supported versions of everything developed can be sold using the Red Hat model.
- It creates a market for all Web3 applications in all communities.

Why did you (Synereo) create your own coin?

- To model the attention economy.

Who controls the coin? How are they created? Is there a limited amount that can be created?

- fixed amount, see the website synereo.com

Creating and using tokens within a community of one of the key community DAO features that will be developed (or borrowed) by this proposal.

[Deep dive in the DAO smart contracts with Slock.it CTO Christoph Jentzsch](#)

Example daohub proposal

<https://github.com/TheDAO/Slock.it-Proposal/blob/master/Proposal1.pdf>

Join the discussion is in

<https://daohub.signup.team/>

<http://slackinvite.backfeed.cc/>

[Open Value Network](#), [DemocracyOS](#) connection/engagement?

## **Liquid Democracy: True Democracy for the 21st Century**

<http://liquidfeedback.org/>

[https://www.reddit.com/r/ethereum/comments/4gz43z/the\\_dao\\_debate\\_the\\_ethereum\\_autonomous\\_finance\\_dao/](https://www.reddit.com/r/ethereum/comments/4gz43z/the_dao_debate_the_ethereum_autonomous_finance_dao/)

<https://followmyvote.com/cryptographically-secure-voting/>

<https://www.youtube.com/watch?v=R53pDz4vp1s>

<http://www.ubuntu.com/about/about-ubuntu/conduct>

DAO code modified to be liquid?

<http://liquido.cocoonprojects.com/>. Learn more about LiquidO™

<https://divvy.consider.it/>

[Slock.it](#) @Griff (Griff Green) Joined Collaborative Learning meeting June 28