

SourceCred Mechanics

“SourceCred has two components Cred and Grain. Cred builds up when you do things for the community, and basically the more Cred you have, the wider the mouth of your bucket is. Cred is not considered an Asset, and all users automatically receive Cred. Grain on the other hand can be considered an Asset, and users need to opt in to receive Grain. Grain does not need to be used in a community if the community merely wants to keep track of who contributed what. Grain can be used to distribute funds within the community. Grain can be thought of as rain, and the wider your bucket is (due to you having more Cred), the more grain you can catch.” - @rogervs at [github](#)

So, the main decision for our community to make is what actions and interactions provide more Cred to the user. These are defined in the weight configuration here:

<https://tecommons.github.io/tec-sourcecred/#/explorer>

If you take a look on the weight configuration inside the explorer you'll see a couple of symbols, alpha (α) and beta (β). Alpha is the user or action (linked to an user) that will get the most amount configured in the distribution interacting in a specific way with Beta, where Beta could also be another user or action.

There's a range between 0x to 32x to select the multiplied amount of Cred that should “flow” for an action. This number in particular is where we need to find consensus, so if you believe that “ α ” user should get zero recognition for doing something, the value should be 0x, on the other hand if you believe that a certain action is really important and should be fully recognized it's fine to consider assigning 4x to it - But hey you may ask, why 4x and not 32x? We probably want to keep the graph balanced, in other words, we may want to keep the flow of value very well distributed, 32x would rest importance to other actions, maybe we want that or maybe we'd like to keep our contributions to be equally recognized, this is our decision to make!

There's many things left outside and not everything needs to be understood with all clarity, for now let's experiment and find out what should generate more recognition and value inside our community, let's summarize the actions and interactions that are more important right now:

Github

Main Actions

- Make a repository
- Make an Issue
- Make a pull request
- Do a pull request review
- Make a comment
- Make a commit

Interactions

In this case “something” can be an issue, commit, comment or a pull request

- Something is being authored (α is authored by β) (α authors β)
- Something is being merged (α is merged by β) (α merges β)
- Something is being referenced (α is referenced by β) (α references β)
- You gave a reaction 👍/❤️/🎉/🚀
- Something got a reaction 👍/❤️/🎉/🚀

Discourse

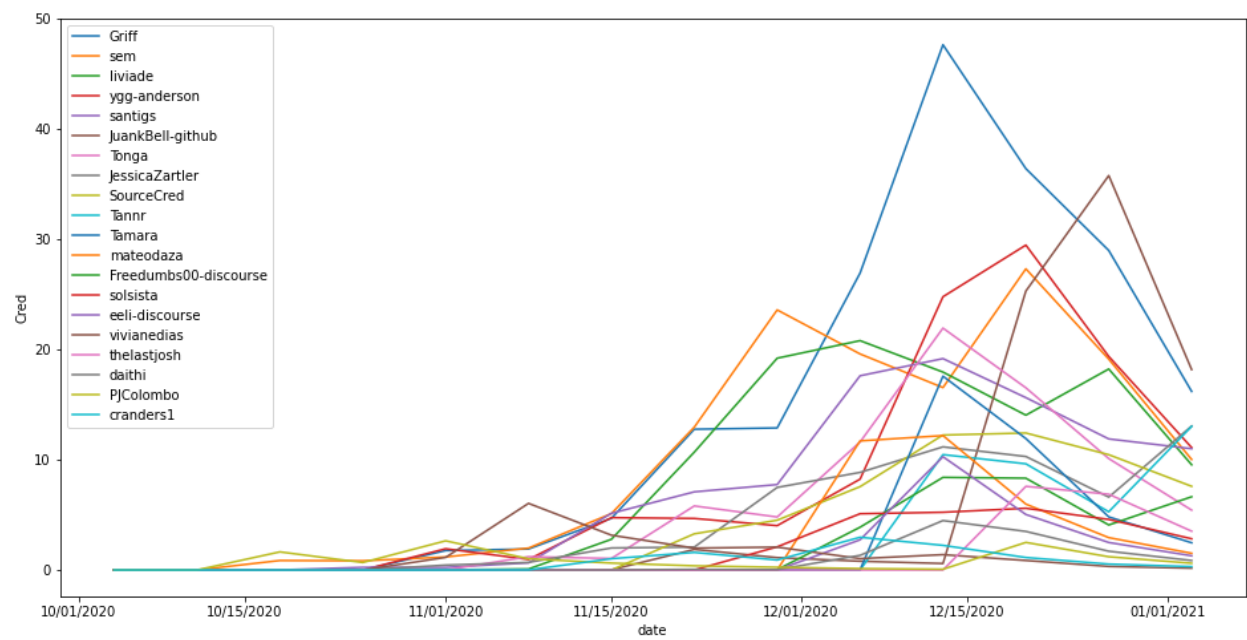
Main Actions

- Make a topic
- Make a post
- Give a like

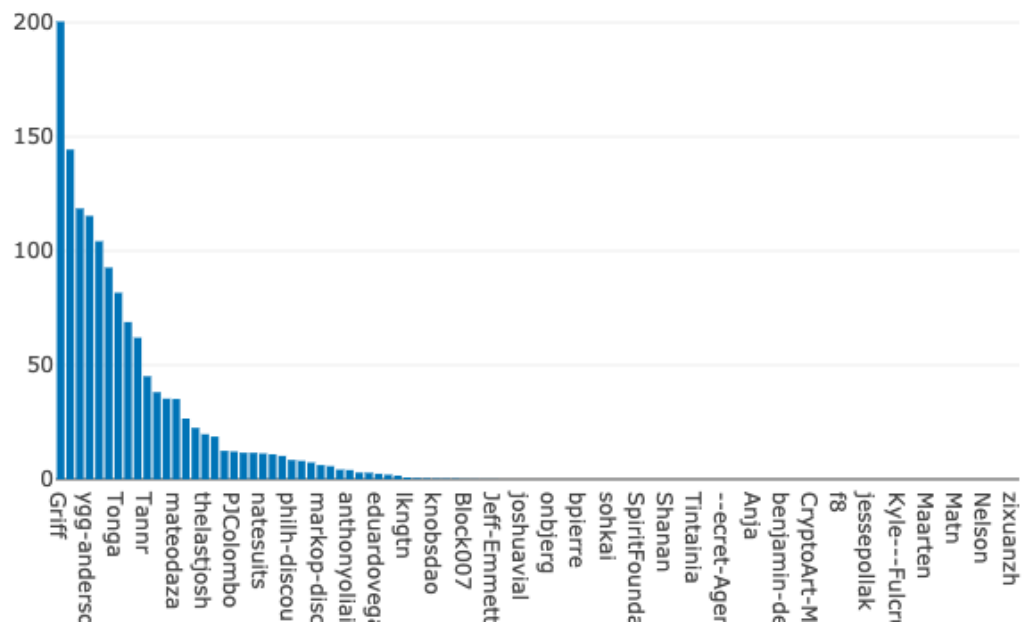
Interactions

- You get a reply to your post (α post replied to by β)
- You make a reply (α post is reply to β)
- Someone makes something with your topic (α topic is authored by β)
- You make a topic (α authors topic β)
- Your topic is contained in a post (α is contained by topic β)
- Your topic is referenced (α references topic β)
- Your post is liked (α is liked post within topic β) (α is liked by β) (α likes β)
- Your post is referenced (α post is referenced by β) (α references post β) (α topic is referenced by β)
- You are being mentioned (α is mentioned by β) (α mentions β)

Charts



TEC Top 100 Accounts - Sorted by Cred



Important aspects to consider:

- 1.- A procedure to propose a parameter change has to be created so anyone can request a revision launching a democratic proposal and vote.
- 2.- A group of members will be in charge of management, control and distribution of rewards coming from all data fetched with SourceCred. This group should be in charge of the evaluation of proposals and decide if they should be implemented on top of system maintenance, reward process distribution and system parameters and functionality information. As well as posting information of every distribution.
- 3.- One of the key parameters is recent period/previous period reward split when a new distribution takes place. At present time this parameter is at 50% which means when new rewards are distributed, any user will get 50% of its total rewards coming from previous periods contributions and 50% from this period.

Amount of cred

Name of the grain

- 4.- All system functionality information should be public in the TEC DAO documents.
- 5.- When onboarded, new DAO members should be informed on the procedure to include their profiles in the SCC (SourceCred Contribution) program.
- 6.- Every period reward distribution will be documented and the information will be posted publicly.

Proposal

** 🌈 Welcome to the proposal submission process - we look forward to learning more about your work!**

If you have any questions about this form or how to submit a proposal, post them in the <https://forum.tecommons.org/t/proposal-questions/119> section or contact us in the TEC Discord <https://discord.gg/GgS8DYES3a>

Proposal Title

SourceCred Committee Creation

Proposal Information

Proposal Description:

Creating a committee to be responsible for SourceCred decisions like:

- * Which tokens are going to be distributed
 - Once the Commons is fully upgraded post Hatch we can make this decision, for now distributions will happen in IH tokens . Keep in mind, in the future we can decide to use any token the DAO will have as the one to be distributed.
- * How much will be distributed in every distribution period
- * How often should the grain distributions occur
- * What's the percentage that goes to old and recent contributions
 - One of the key parameters is recend period/previous period reward split when a new distribution takes place. At present time this parameter is at 50% which means when new rewards are distributed, any user will get 50% of its total rewards coming from previous periods contributions and 50% from this period.
- * How the community interacts with the parameters - data analysis
- *parameters to be changed

Decision Making Proposal Details:

(If this is a signaling post, please leave this section blank)

- *What cultural agreements do you wish to change or implement?*

SourceCred is adding another layer for rewarding contributions that will coexist with Praise. The soft gov working group has identified the need for a committee to be closely involved with SourceCred especially because it's a new complex tool in our environment. Praise can reward

more subjective contributions and SourceCred has only quantitative parameters. The data coming from how the community interacts with these parameters will give us a lot of cultural information. The committee will also be responsible for analyzing this data and serving the community with cultural insights.

- *Why is it important?*

SourceCred parameters and distribution permissions should be protected by a trusted group of individuals who commit with fairness and non-judgemental manipulation of this tool. It's similar in this sense with the praise quantification process, where only contributors with high Impact Hour scores and a good understanding of the TEC culture are invited to join the quantification process. Thanks to the transparency working group and our mutual accountability methods we can be confident about this committee transparency by participation in the audits, recorded meetings and frequent forum updates.

- *What's the desired outcome?*

1- We propose the committee will work via summoning instead of having regular meetings. The data from SourceCred interactions will be evaluated every two weeks and if something looks out of place we can have a meeting to analyze together.

2- The committee will create a template for the community to propose parameters changes. The proposals will follow our decision making process via Forum Voting.

3- The committee is responsible for the system maintenance

4- All system functionality information should be public in the TEC Handbook and the Forum.

5- When onboarded, new TEC members will be informed on the procedure to include their profiles in the SCC (SourceCred Contribution) program.

6 - Every period reward distribution will be documented and the information will be posted publicly.

- *How will the community benefit from it?*

This is a great complement for the current contribution reward system, the committee will allow to keep all the process transparent and actively improve the system. SourceCred is a gamified tool, therefore can be gamed :) The committee will help on the management, security and implementation of everything SourceCred.

- *What's the process for implementing this?*

SourceCred implementation is already running for Discourse and Github following the initial params discussed and agreed among the soft gov working group, first steps is to experiment with these first parameters and check how accurate the cred is flowing. The committee will then

standardize the process of rewarding contributions adding the Grain generated plus the impact hours.

- *Who is involved?*

Soft Gov working group for now.

Santi and Mateo did most of this work!!!!

We would love to have a data analyst and a game designer involved as well.

Signaling Proposal Details

(If this is a decision making post, please leave this section blank)

- *Describe how the results of the poll will help you move forward with your investigation or the proposed issue.*

 *For Decision Making, click on the  gear icon to select the poll tool. Create 3 choices for the vote, **YES, NEUTRAL, BLOCK**

 *For Signaling, select the poll tool and create **up to 5 entries** of your choice*

SourceCred Informative Post

As a tool for communities to measure and reward value creation, SourceCred allows the TEC to gather reliable and objective contributions data from two of our main platforms, Github and Discourse.

The main mechanics of SourceCred work as explained next:

“SourceCred has two components Cred and Grain. Cred builds up when you do things for the community, and basically the more Cred you have, the wider the mouth of your bucket is. Cred is not considered an Asset, and all users automatically receive Cred. Grain on the other hand can be considered an Asset, and users need to opt in to receive Grain. Grain does not need to be used in a community if the community merely wants to keep track of who contributed what. Grain can be used to distribute funds within the community. Grain can be thought of as rain, and the wider your bucket is (due to you having more Cred), the more grain you can catch.” - @rogervs at [github](#)

With SourceCred we want to start experimenting and add another layer to our current rewards system where we can measure real work from contributors in an automated way - this won't replace praise, it will support it.

So, one of the main decisions for our community to make is what actions and interactions provide more Cred to the collaborator, these are defined in the weight configuration here:

<https://tecommons.github.io/tec-sourcecred/#/explorer>

If you take a look on the weight configuration inside the explorer you'll see a couple of symbols, alpha (α) and beta (β). Alpha is the user or action (linked to an user) that will get the most amount configured in the distribution interacting in a specific way with Beta, where Beta could also be another user or action. These in general are nodes that will carry the weight of the cred.

There's a range between 0x to 32x to select the multiplied amount of Cred that should “flow” for an action. This number in particular is where we need to find consensus, so if you believe that something should get zero recognition for doing something, the value should be 0x, on the other hand if you believe that a certain action is really important and should be fully recognized it's fine to consider assigning 4x to it - But hey you may ask, why 4x and not 32x? We probably want to keep

the graph balanced, in other words, we may want to keep the flow of value very well distributed, 32x would rest importance to other actions, maybe we want that or maybe we'd like to keep our contributions to be equally recognized, this is our decision to make.

In the first stages we would like to focus more on the node/action weights than the edges/interactions weights, so don't put much thought into what's going on with the alphas and betas and let's find balance and get the right quantification from our graph with the value of our actions. There's still many things to learn and not everything needs to be understood with 100% clarity, for now let's experiment and find out what should generate more recognition and value inside our community by trying it out live!

Let's summarize the actions and interactions that are more important right now according to our collective hack sessions:

Github

Main Actions

- Make a repository
- Make an Issue
- Make a pull request
- Do a pull request review
- Make a comment
- Make a commit

Interactions

In this case "something" can be an issue, commit, comment or a pull request

- Something is being authored
- Something is being merged
- Something is being referenced
-

Discourse

Main Actions

- Make a topic
- Make a post
- Give a like

Interactions

- You get a reply to your post
- You make a reply
- Someone makes something with your topic
- You make a topic
- Your topic is contained in a post
- Your topic is referenced
- Your post is liked
- Your post is referenced
- You are being mentioned

Every update of the instance and grain distribution occurs manually and cred data is added every week automatically, following the current parameters regarding budget allocation and total grain to distribute. We can set how the current budget will be distributed between newcomers and old contributors setting a difference between immediate and previous cred generated, this allows for everybody to keep getting some recognition even though they are not very active at the moment, we can decide what percentage for this works the best. We are proposing that this and other decisions will be mostly done through a committee to ensure safety and agility to this process. See the proposal [here](#).