

DAO



Quoi de 9 en 2019



NPM

10 million users who download well
over 30 billion packages every
month.*

* <https://medium.com/npm-inc/this-year-in-javascript-2018-in-review-and-npms-predictions-for-2019-3a3d7e5298ef>

NPM, Inc.

VC private funded Seed round 2014*

* <https://words.steveklabnik.com/is-npm-worth-26mm>

2019 : Staff fired after trying to unionize ...

... new CEO last summer, Bryan Bogensberger, who was bought on board to help the code package biz become profitable. *

* https://www.theregister.co.uk/2019/04/22/npm_fired_staff_union_complaints/



Quelles solutions pour les gouvernances et les financements de projets Open Sources (voir biens communs) ?

Expérimentons !

- Entropic
- Gitcoin
- Continuous Organizations
- Moloch DAO
- Aragon DAO
-

Entropic : federated package registry

- The economics of open source by C J Silverio | JSConf EU 2019
- ex CTO of NPM

<https://www.youtube.com/watch?v=MO8hZlgK5zc>

<https://hub.packtpub.com/former-npm-cto-introduces-entropic-a-federated-package-registry-with-a-new-cli-and-much-more/>



 **Mariko Kosaka**
@kosamari

 Announcement from @ceejbot at @jsconfeu - Federated package registry, CLI, and API called entropic to take back the commons.

Gitcoin



Grow OSS

BOUNTIES

Get paid for solving open source bounties.

[Learn more >](#)

Maintain OSS

CODEFUND

Ethical advertising for open source.

[Learn more >](#)

Build Relationships

KUDOS

A new way to show appreciation.

[Learn more >](#)

GRANTS

Sustainable funding for open source.

[Learn more >](#)

Gitcoin Exemple



\$50,000 Open Source Fund
Liberal Radicalism: Round 2!

Using Liberal Radicalism to direct \$50K to Ethereum infrastructure projects

Liberal Radicalism: A Flexible Design For Philanthropic Matching Funds

37 Pages • Posted: 18 Sep 2018 • Last revised: 31 Dec 2018

[Vitalik Buterin](#)

Ethereum Foundation

[Zoë Hitzig](#)

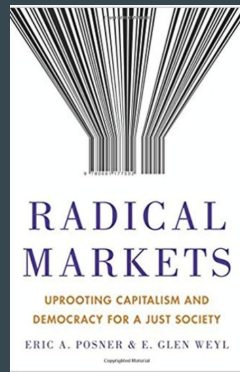
Harvard University - Department of Economics

[E. Glen Weyl](#)

Microsoft Research New York City; RadicalxChange Foundation; Princeton University - Julis Rabinowitz Center for Public Policy and Finance

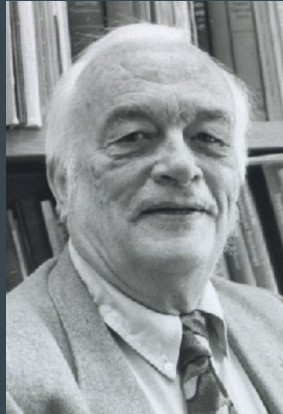
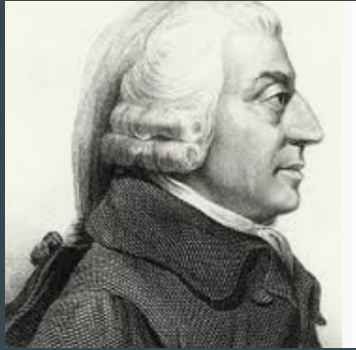
Date Written: December 2018

https://papers.ssrn.com/sol3/papers.cfm?abstract_id=3243656



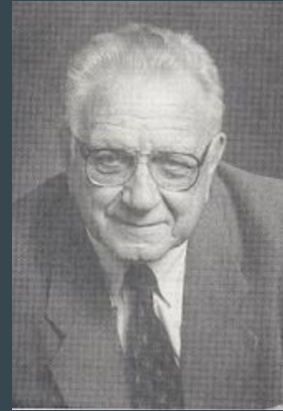
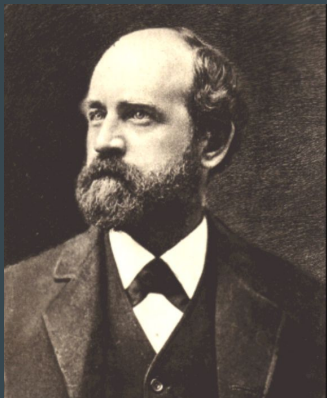
E. Glen Weyl
Eric Posner

Adam Smith : market based on private properties

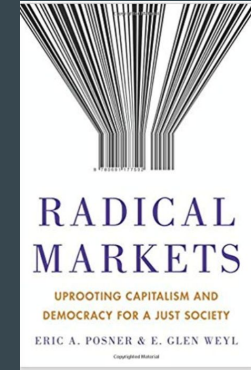


William Vickrey : power of auctions to solve social problems

Henry George's land value tax



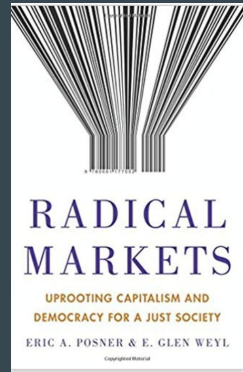
Arnold Harberger tax



E. Glen Weyl
Eric Posner

Capitalisme (ultra simplifié): Les mécanismes de marché sont une façon d'organiser la société.
Mais ils sont aujourd'hui monopolisés par accumulation ou sur des secteurs inexistants.

Socialisme (ultra simplifié): Accent sur l'importance sociale.
Mais organisation centrale potentiellement bureaucratique, arbitraire voir sujet à corruption.



E. Glen Weyl
Eric Posner

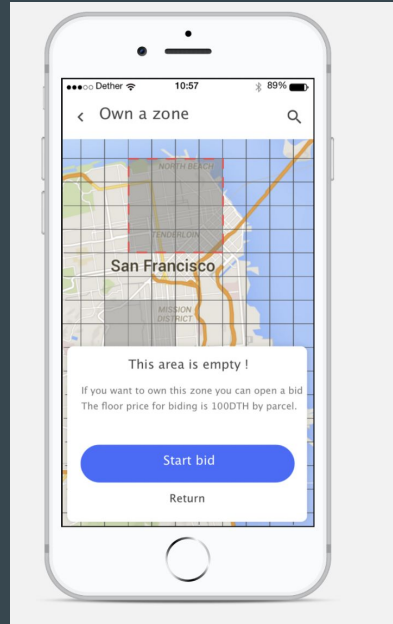
Marché radical en une phrase : Décentraliser les pouvoirs et encourager les actions collectives.

Radical Markets, des outils

Common Ownership Self-Assessed Tax (COST) (Harberger tax):

Le possesseur d'un bien fixe le prix de son bien et paye une taxe, ratio de ce prix. Il doit vendre à toute personne payant ce prix.

Dether exemple :



<https://medium.com/dether/zone-out-a-new-way-to-own-land-on-ethereum-969b73b82bd4>

Radical Markets, des outils

Quadratic Voting :

Permet d'exprimer l'intensité de ses préférences.
Mais le votant paye le prix de son intensité.

Vote Pricing Example	
Number of votes	"Vote Credit" cost
1	1
2	4
3	9
4	16
5	25

Source : https://en.wikipedia.org/wiki/Quadratic_voting

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Capital-constrained Liberal Radical (CLR) :

1 - governments, grant programs, or private philanthropists

Match

2 - Crowdfund individual donations towards open source projects.

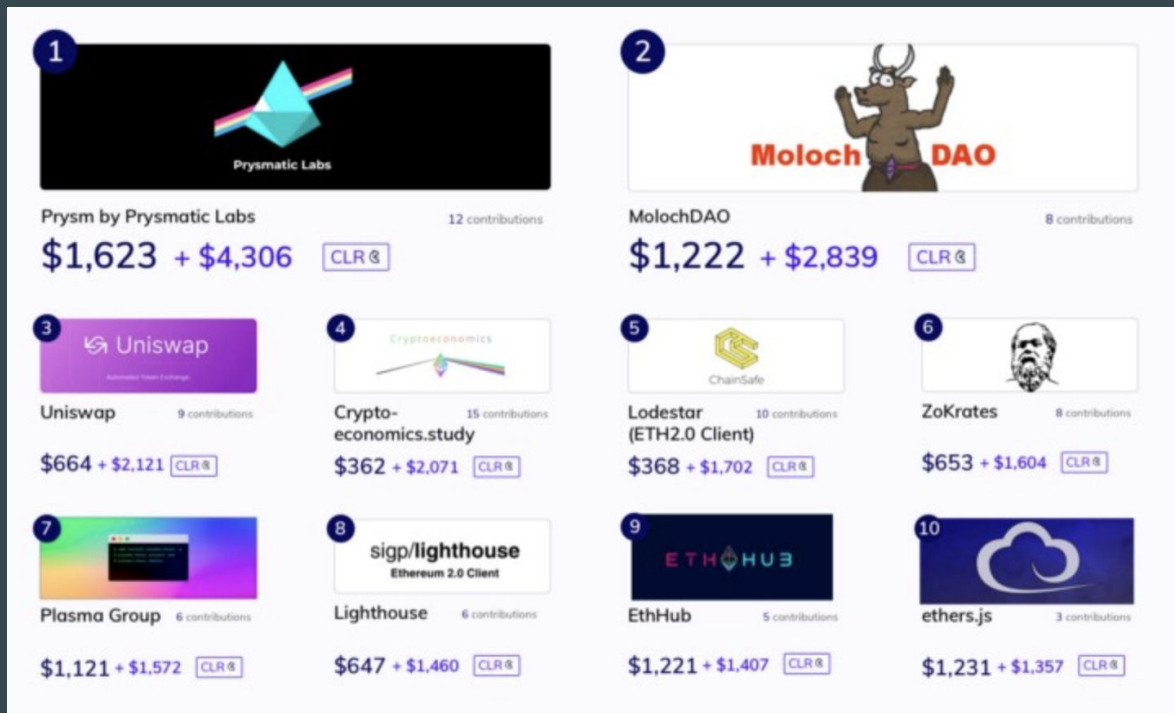
Gitcoin Exemple



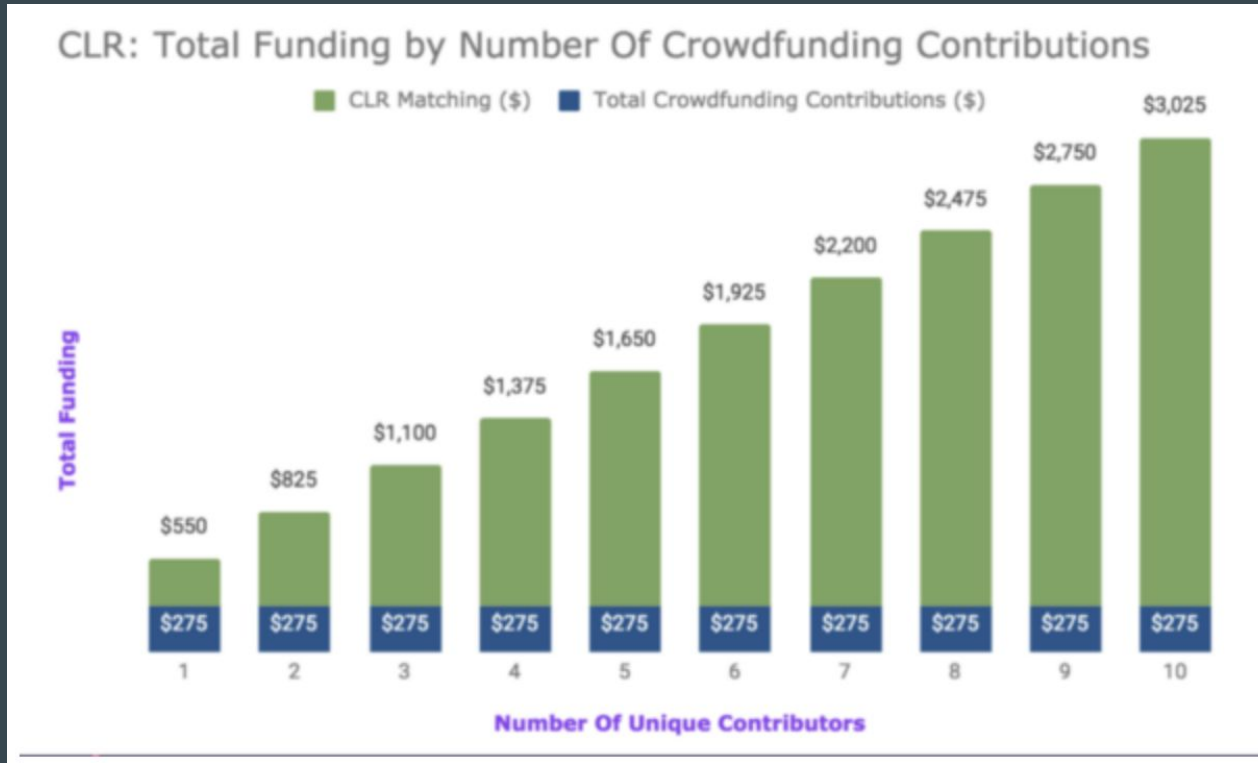
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Gitcoin CLR test



Gitcoin CLR test



Potential application domains :

- Development Open sources (exemple gitcoin)
- Financement campagne ?
- News media finance ?
- Municipal projects and public works ?

Continuous Organizations :

Keywords: FAIR Securities, Decentralized Autonomous Trust, Bonding Curve Smart-Contract, Multitude



x = current supply of tokens issued

$y = b(x)$ = buy price of the last token issued

$z = s(x)$ = sell price* of the last token issued

■ ~ money raised / available to the organisation

■ = money held by the smart-contract (buy-back fund)

** from the investor's perspective*

Source :

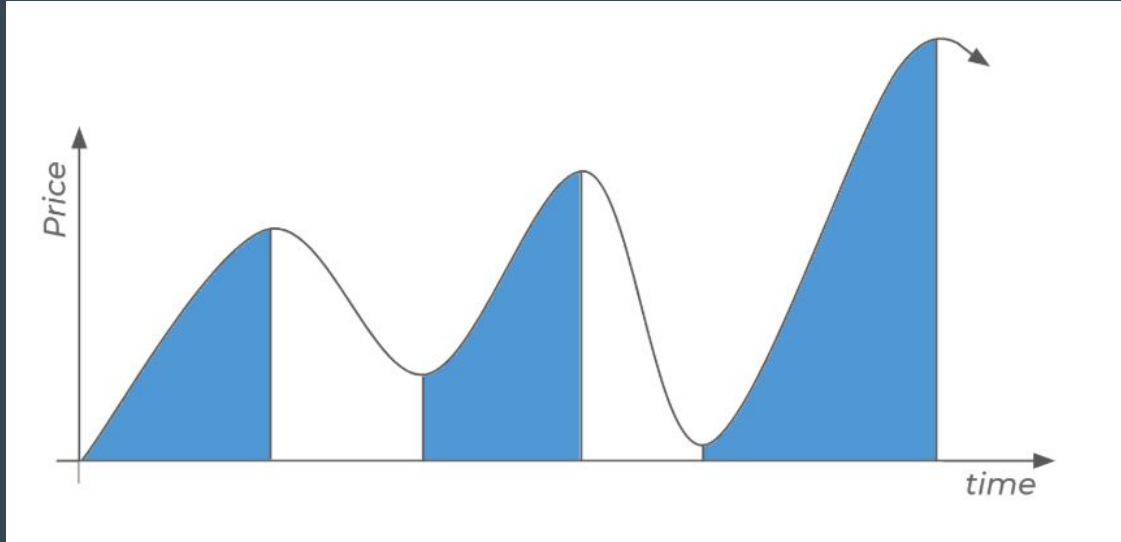
Thibault Favre

Fairmint

<https://github.com/C-ORG/whitepaper>

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Résumé des “outils” :

- > Harberger Tax
- > Quadratic Voting
- > Bonding Curve Contract