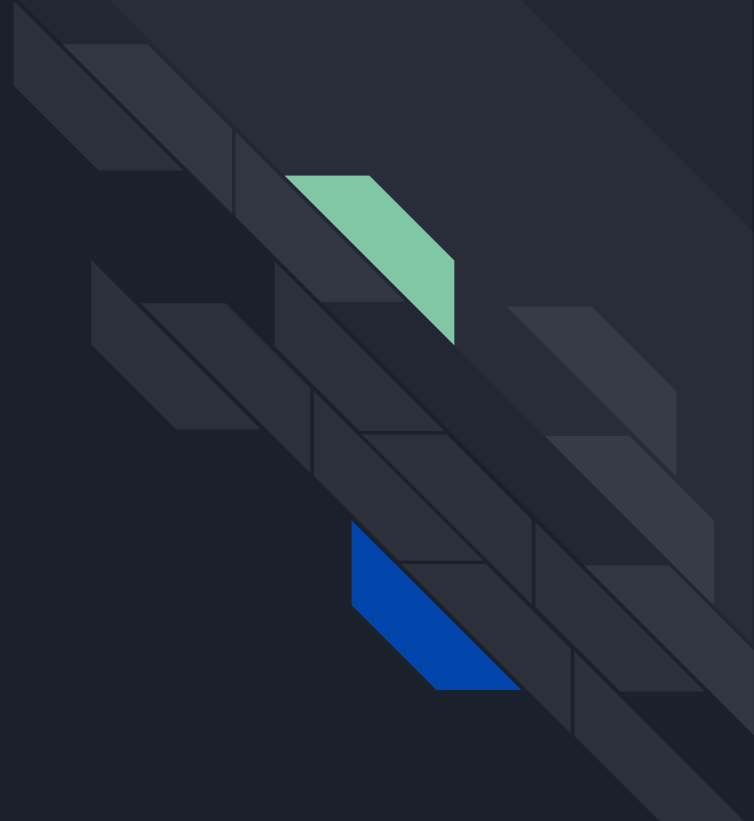


Blockchain x participatory
democracy: transitioning
civic tech into web 3

Virgile Deville & Nicholas Saul

Civic Tech :

Use of technologies that aims to strengthen **citizen engagement**, democratic **participation** and **transparency** of governments





Online participation is **HARD**

LEARNINGS

🌟 Digital tools are not magic

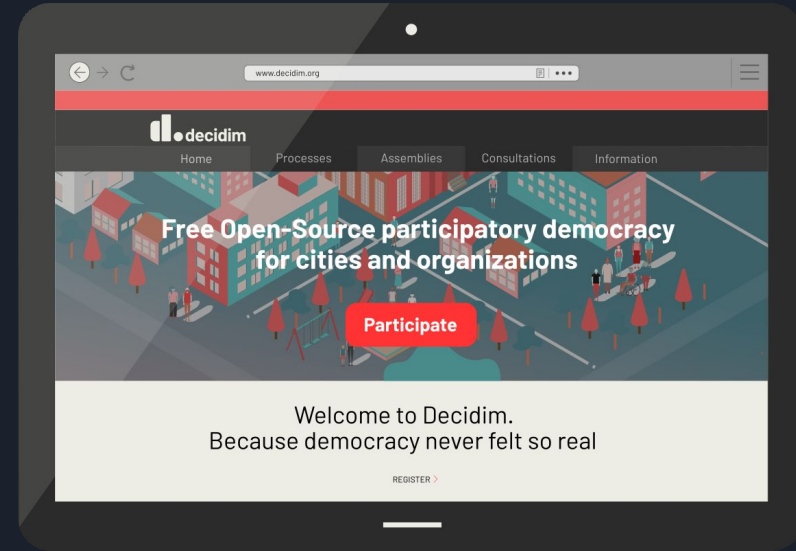
📊 Active participation is the result of progressive learning

👐 For inclusion, face-to-face / digital hybridization is necessary

🔍 Transparency guarantees are necessary to build confidence

Civic Tech tools of **TODAY**

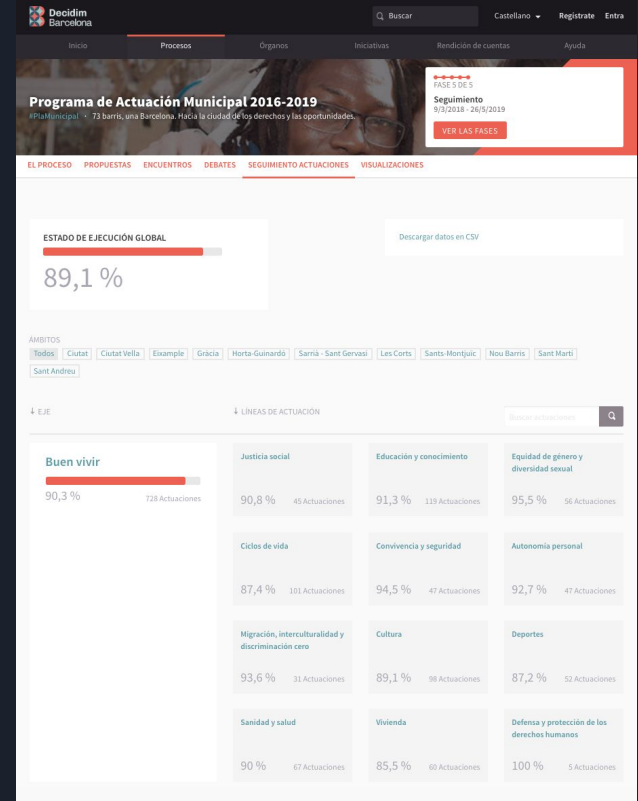
- **Built for flexibility**
 - ◆ CMS like
 - ◆ Modular
 - ◆ Configurable
- **Ethical design principles**
 - ◆ Privacy
 - ◆ Open source
 - ◆ Democratic governance
- **Editorial transparency**
 - ◆ Progress status and official replies
 - ◆ Traceability of proposals and results



Excellent **web 2** execution.

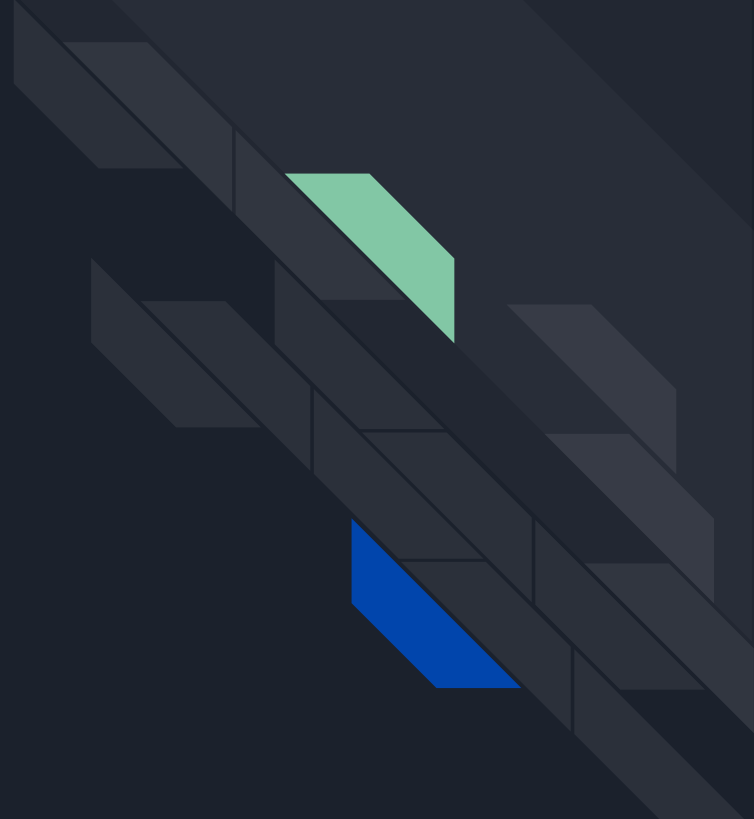
Decidim.Barcelona : municipal action plan co-construction

- Three months process powered by decidim.barcelona to co-design the actions to be carried out by the local government in 2016-2019.
- **Participatory strategic planning:** Citizens discussed and supported the petitions made by the government; but also made, discussed and supported petitions by citizens.
 - 39.049 participants and 1.700 organizations
 - 10.860 proposals
 - 165.121 supports
 - 1.467 actuaciones
 - 500+ meetings (15.021 attendees)
 - 72,2% citizen proposals were accepted



Technopolitics :

A **critical and strategic** use
of digital tools for **political**,
collective and **sovereign**
action



When civic tech gets too **REAL**



Pablo Aragón
@elaragon



DEMOCRACY is under threat

- 1 On Tuesday, the Spanish government banned DLT-based identity platforms like [@decodeproject](#)
- 2 Today, the Catalan justice has just banned the legal framework for citizen participation including initiatives in [@decidimbcn](#) [elpais.com/ccaa/2019/11/0...](#)



Civic tech

X

Blockchain's

First love 

**Immutable
data
records**



Our digital governance tools
system administrators are
the Kings of our online
democracies.



PopVote
普及投票



2017 Chief Executive Election Civil Referendum

Decentralized architecture and
immutability to resist chinese
hacking attempt



decode

Digital Democracy and Data Commons (DDDC) Pilot

Digital signature using DLT + self
sovereign id verification

Exploring the promises of new public space infrastructures

What can public blockchains (Ethereum) promise to CivicTech projects?



Web 3 = Public Space Infrastructures (PSI)

Web 3 can create Public Space Infrastructure in the shape of “Blockchain Commons”

Blockchain Commons in the Ethereum Industry: “A technology where the total benefit generated by the technology to the community is greater than the individualized benefit to any particular entity.”

Final objective: Enabling an ownerless, secure, transparent and valid data record accessible to all





Promises for CivicTech in Web 3

 Automatized Constitutions: Defining rules of participatory projects

 Financing participatory projects on DAOs

 Regulating public space infrastructure under 'Blockchain Commons'



Governance in the Moloch DAO Framework

Release of the 0.7 Moloch Compatible Sovereign

“Our aim is to transform sovereign into a DAO Browser, that can read and provide information on the many different protocols in the ecosystem.”

Developing Sovereign for the Moloch DAO:

- Formalizing humans on the blockchain
- Modeling a humans-first political economy
- Implanting governance tools (Quadratic Voting, Financing, etc.)

Can the Moloch DAO frameworks be developed into a [Web 3 Decidim](#)?



PERIOD

- All History 134
- In Queue 0
- Voting Now 0
- Grace Period 1
- Ready to Process 0

RESULTS

- Passed 95
- Rejected 9
- Ragequit 26

64 MEMBER ADDRESSES · START A DAO

Proposals.

0X512E...E522 0X512E...E522 8 days No voters.

MGP: 31—\$500 to Cooper Turley for Moloch 2019 Year in Review Post
<https://medium.com/@molochdao/moloch-2019-year-in-review-eb6f53dc035>

Decision variables. ?

Applicant Address

0X5B93...62C5
0X5B93FF82FAAF241C15997EA3975419DDDD8362C5

Shares requested: MOLOCH 4

Tribute to DAO: WETH 0.00

On-chain vote. ?

Grace period ends in 5 days 9 hours (in 27 cycles) Grace period.

Yes MOLOCH 0 No MOLOCH 0

Guild.

MolochDAO
0X211A...9C7E

Total Shares: MOLOCH 7,480


Total Assets: WETH 5,997.23

Value per Share: USD 106.19

Total Value: USD 794,333.44

Recent events.

- 0X5A9E...9A19 YES 17 d MOLOCH 51
- 0X7F4C...7E7B YES 17 d MOLOCH 100
- 0XC16...FD89 NO 19 d MOLOCH 100
- 0X4D3C...3EE3 YES 20 d MOLOCH 6



Development of DAO Operating System: AragonOS

Developing a **Decentralised-Organisations-Machine**: The example of AragonOS

- A decentralised organisation operating system with multiple services:
- Strategy:
 - ◆ Making available the basic services to create instantly a DAO
 - ◆ Potential to create applications destined for multiple DAOs
 - ◆ Create attractivity for developers through SDKs (Software Development Kits) with Decentralised packages, API access to smart contracts, library of graphic interfaces, etc.

Question: Web 3 projects multiplied in public sector, what are the risks of institutionalising?

APPS

Home

Voting

Finance

SYSTEM ^



Vote



Check Finance




New Payment






What to imagine next? #BuidL

 Achieving legal frameworks constitutionalising the new PSI for participatory projects

 Integrating Web 3 PSI into a **cooperative constitutional** framework

 Blockchain Commons for non-crypto communities: offering governance & financial public space infrastructures to low-tech environments.

 Building transparent local **DAO structures** for fiscal consent, Participatory budgets, voting procedures, local proprietary transactions, etc.



Limits of governance through blockchain

 Formalizing people on Web 3: Solving the identity issue


- ◆ Token curated registry @HumanityDAO
- ◆ Web of trust TCR with video proof @Kleros_io
- ◆ Synchronous Turing Tests @IdenaNetwork

 Legal conflict of sovereignty/intervention : risks in regulation

- ◆ Open Law development of LAOs - example of Metacartel Venture DAO

 Self-determination and the question of freedom from State Jurisdiction

 Capacity for Mass Adoption and blockchain constitutional literacy



To Conclude

Blockchain commons as a public space infrastructure: a **lighthouse of innovation**

BUT

- Blockchain Commons and Web 3 remain far away from concrete CivicTech applications
- Decidim & Decode project on the burning shore of the **Next Steps**

What is the gap? **Legal**, **Educational**, Infrastructural and **Political**

So how to create an independant international forum?

Thank you for listening !

Let's keep talking:



@virgiledeville
@OpenSourcePol
@DemocracyEarth



@NicholasGSST
@sciencespo
@DemocracyEarth