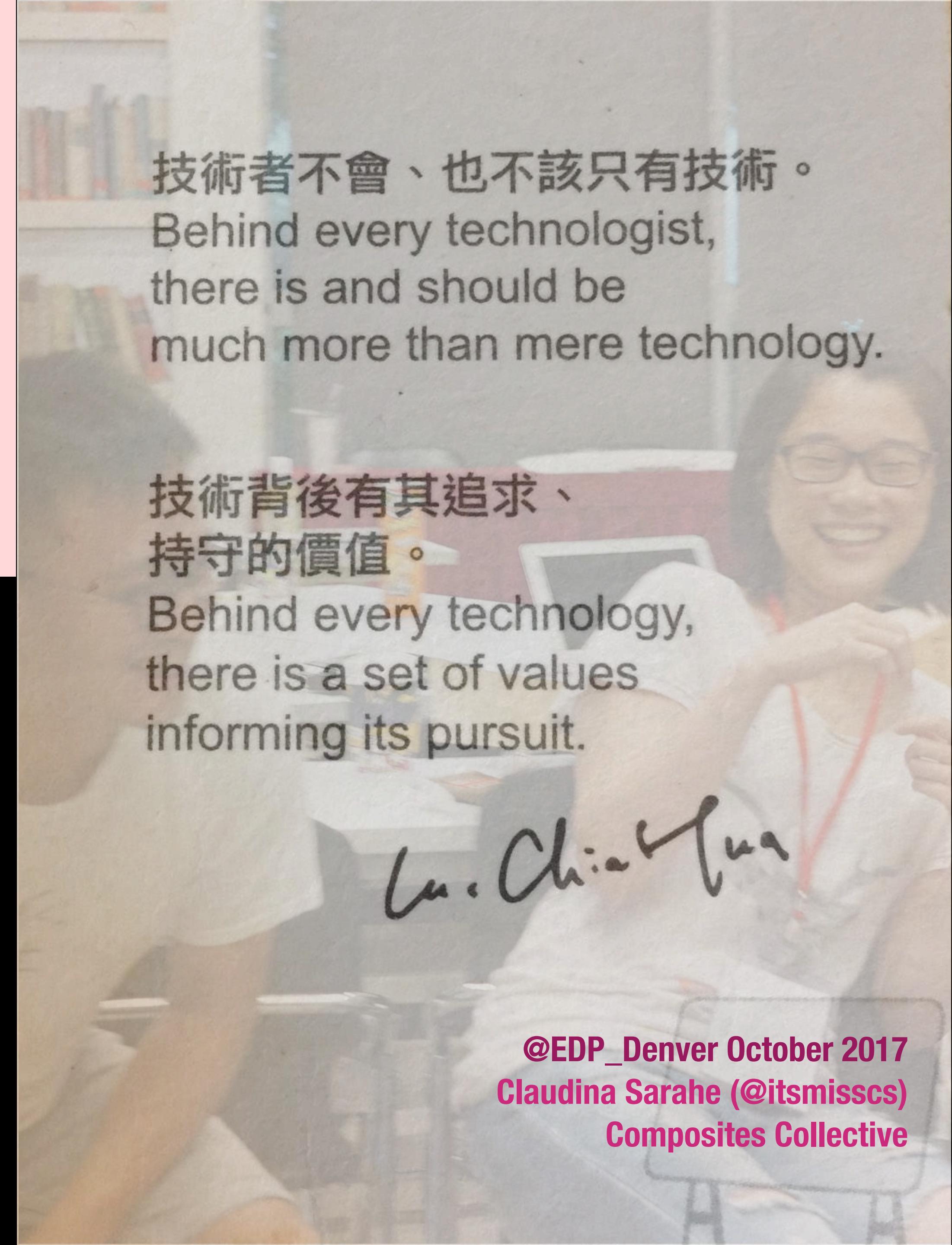


Creatively re:imagining our futures using on/offline participatory models and tools





Darshana Narayanan

Darshana studies human behavior at multiple levels and time scales: individual behavior, group behavior and behavior both in developmental and evolutionary time. She has a Ph.D. in Psychology and Neuroscience from Princeton University. Her previous job was Head of Research at pymetrics, a machine learning, organizational behavior, gaming start-up.

Claudina Sarahe

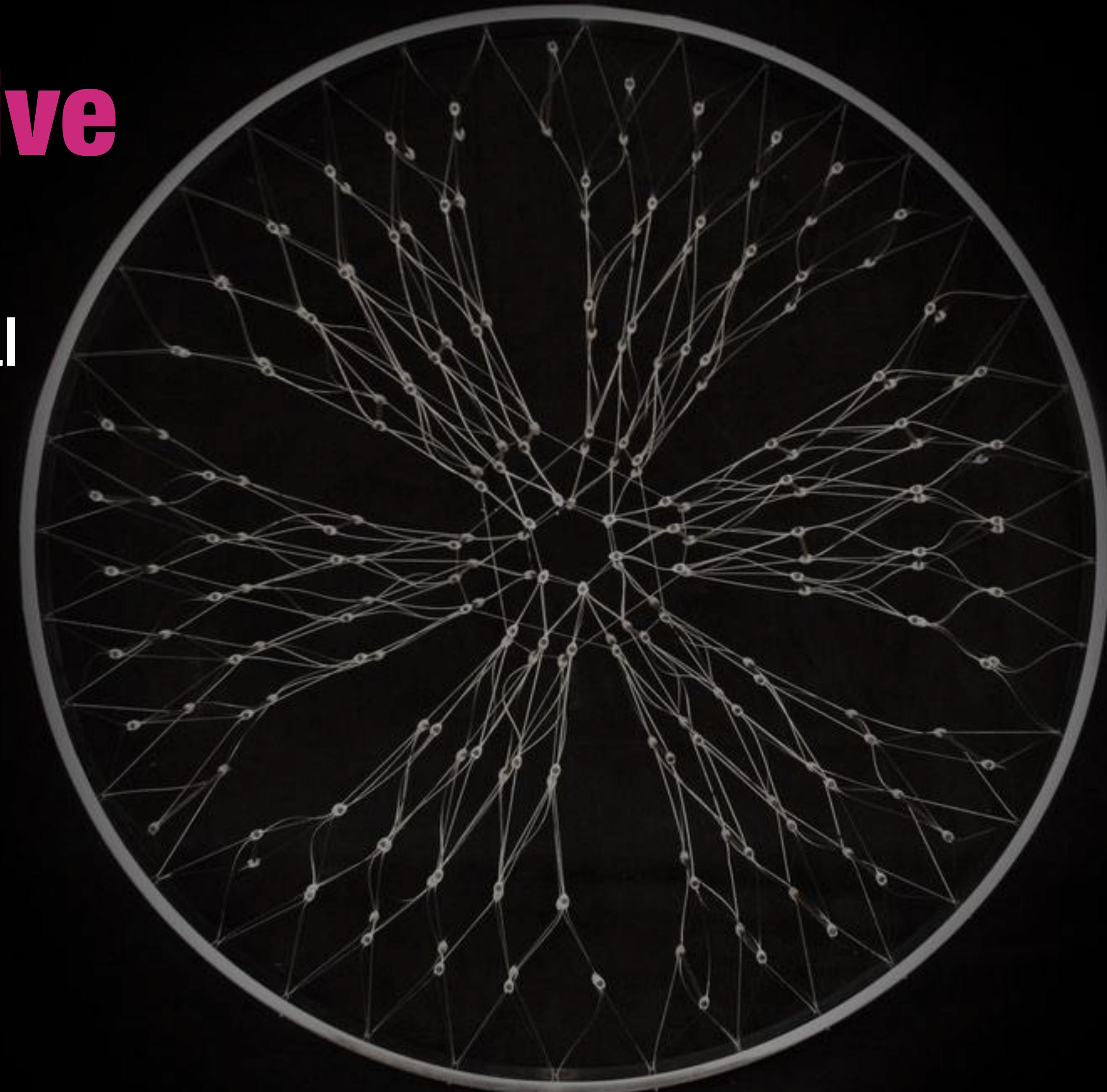
CS is a creative consultant, speaker, organizer, teacher, etc etc. She has worked in product development and team building for over 12 years. CS was a founding member of UNICEF Innovation Team. Past clients include PBS, Scholastic, Daniel Libeskind, Red Cross, and Casper where she built and scaled their front-end engineering team.



Composites Collective

Operates at the intersection of design & technology, behavioral sciences, and society.

We employ dynamics systems theories, analysis of social structures, and design thinking to transform organizations.



an organization is a system of interrelated social behaviors of a number of participants who have come together to meet a need or to pursue collective goals

Simon and March, Organizations 1958

Representatives

Leaders

Boss

Teacher

CEO

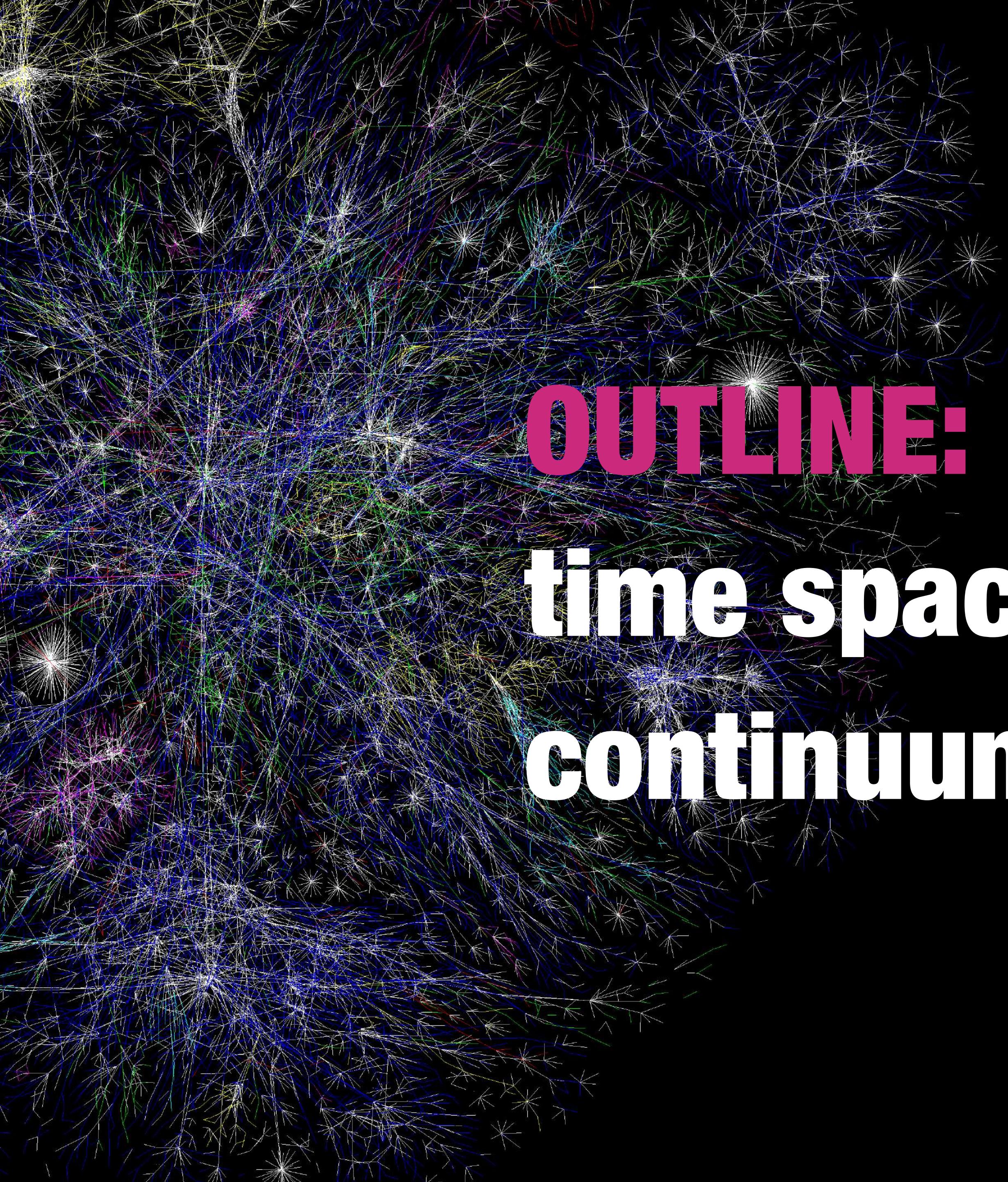
Citizens

Followers

Team

Students

Workers



OUTLINE:

time space 時空

continuum

**Questions?
slido.com
K670**



Taiwan: Experiments from the past and far future

Our Work: Experiments at present, near future, far future

Tools & Techniques: For the present



Sunflower Movement 2014

vTaiwan: Public Participation M × https://civichall.org/civicist/vtaiwan-democracy-frontier/ CIVIC HALL LABS MEMBER LOGIN JOIN NOW

CIVIC HALL

Participatory Democracy Taiwan

VTAIWAN: PUBLIC PARTICIPATION METHODS ON THE CYBERPUNK FRONTIER OF DEMOCRACY

In the midst of the signal failure known as the US electoral season, here's something to be inspired about: a true story about rational deliberation on a national scale.

BY: LIZ BARRY AUG 11, 2016

Editor's note: Here at Civicist and its precursor site techPresident, we've long been on the look-out for new models of mass public participation in the democratic process that might effectively merge the "rough consensus and running code" practices of open-source software development with older and far larger systems of formal representation. While a few upstart parties and movements, such as the Pirate Party in Germany, Podemos in Spain, and the Net Party of Argentina have experimented with tools like "liquid democracy" for guiding their own leadership, and reformers in Iceland crowdsourced the drafting of their new Constitution, none have managed to convert digitally-enabled forms of mass engagement into real change. The powers-that-be have almost uniformly restricted these new forms of participation to the digital equivalent of suggestion boxes (see the "We the People" White House e-petition platform, for example), or to the management of small crumbs of public expenditures (see participatory budgeting). We keep seeing movements to push the envelope—and indeed back in the fall of 2014 techPresident caught a whiff of what was developing in Taiwan—but usually their efforts have foundered due to a lack of resources, difficulties scaling participation, and government resistance. Until now. As Liz Barry reports, something very promising is happening on this island nation of 23 million people. Proponents of open-source democracy, take note, we are on the verge of a breakthrough.

In April 2014, I walked through Taiwan's massive [Sunflower Demonstration](#), a student-led movement in opposition to the government's attempt to ram through a new trade deal with Beijing that erupted into a weeks-long occupation of the country's parliament. I watched as groups of strangers armed with post-it notes intensely deliberated policy points and DIY antenna-wielding tech crews broadcast those street deliberations to millions. Amidst the hand-painted banners, giant puppets, and stacked bedrolls were weather-proofed racks of servers, broadcast equipment, and dishes powered by thick electrical cables running out of the open windows of the occupied legislative building.

Two small images: one showing a night scene with a fire and trees, and another showing a man with glasses looking at the camera.

Occupying parliament



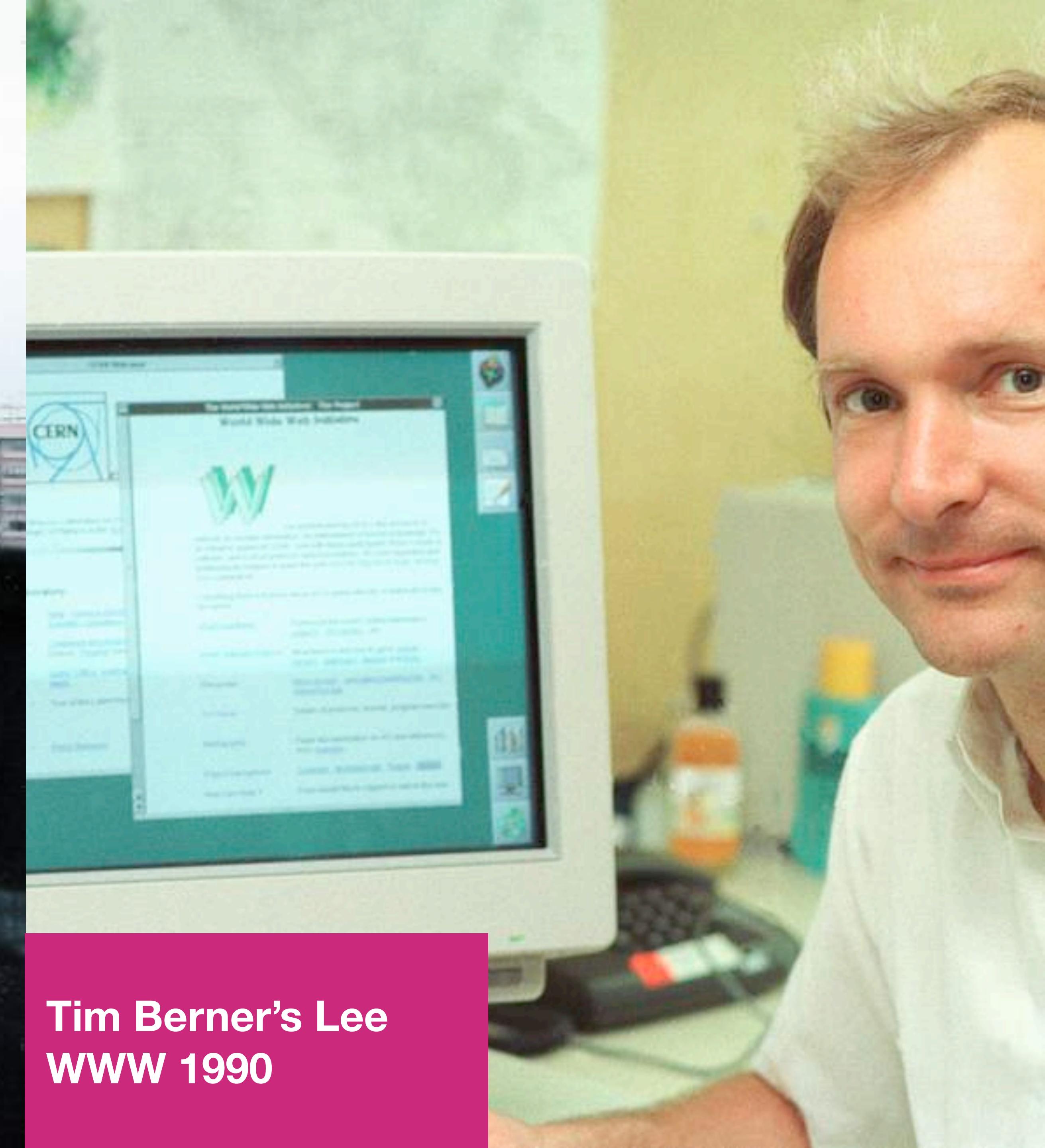


Barricade entrance to Executive Yuan

Organizing around the city through internet



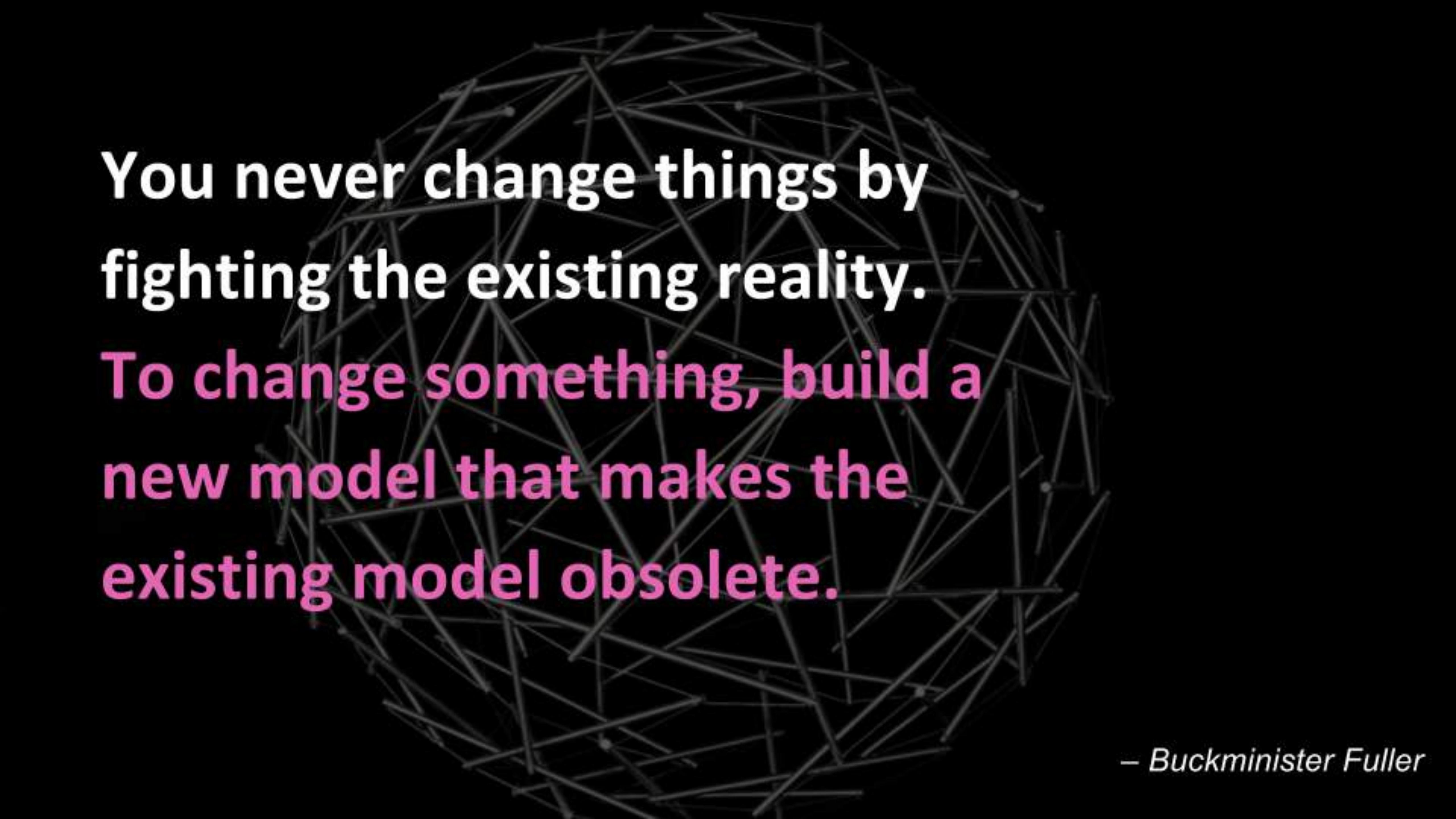
Wild Lily Movement Taiwan's Democracy 1990s



Tim Berner's Lee
WWW 1990

Non-violent occupation





You never change things by
fighting the existing reality.

To change something, build a
new model that makes the
existing model obsolete.

– Buckminster Fuller





搜尋...



使用手冊

關於 vTaiwan

研擬草案

遙控無人機應用與管理機制

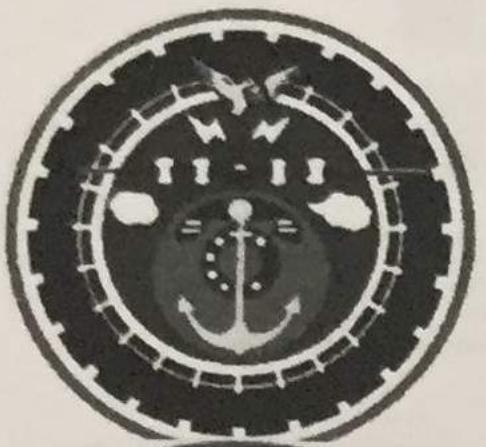
Uncrewed Aircraft Vehicle / 無法管的無人機？遙控無人機的管理與應用機制

進入議題

還有更多議案



Topics covered on vTaiwan



Uber



Telework



Telemedicine



MOOCs



Airbnb



Selling Alcohol
over Internet



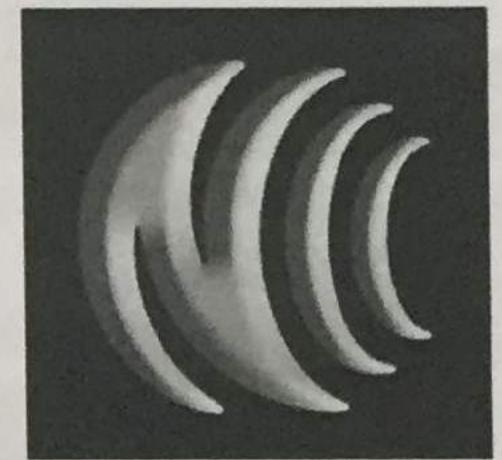
Internet Tax



Closed Company



InfoSecurity



Five Convergence
Laws



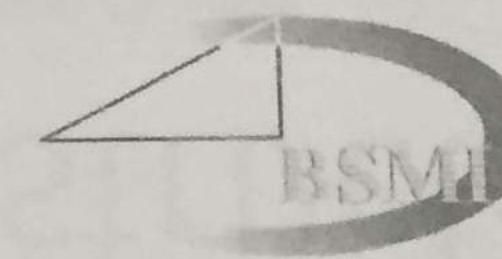
Crowdfunding



Cyberbullying



E-Retail



Privacy &
De-identification



Data Levy &
Open Data Definition

vTaiwan
PDIS

Spreading viruses of participation

Developing new languages

Media arts activism (as regulatory boards)

Open source & Transparency

Re:figuring stories to engage wide audiences

Deliberation Training

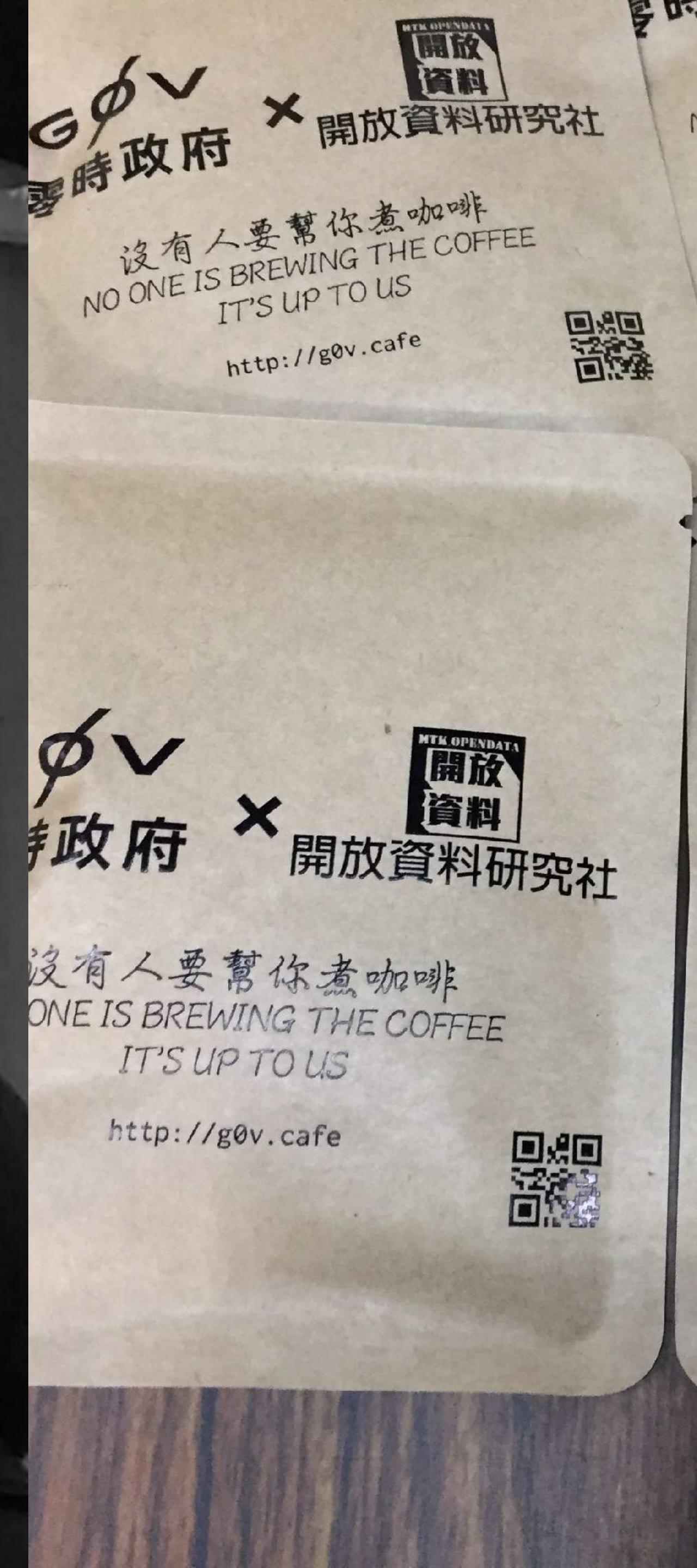
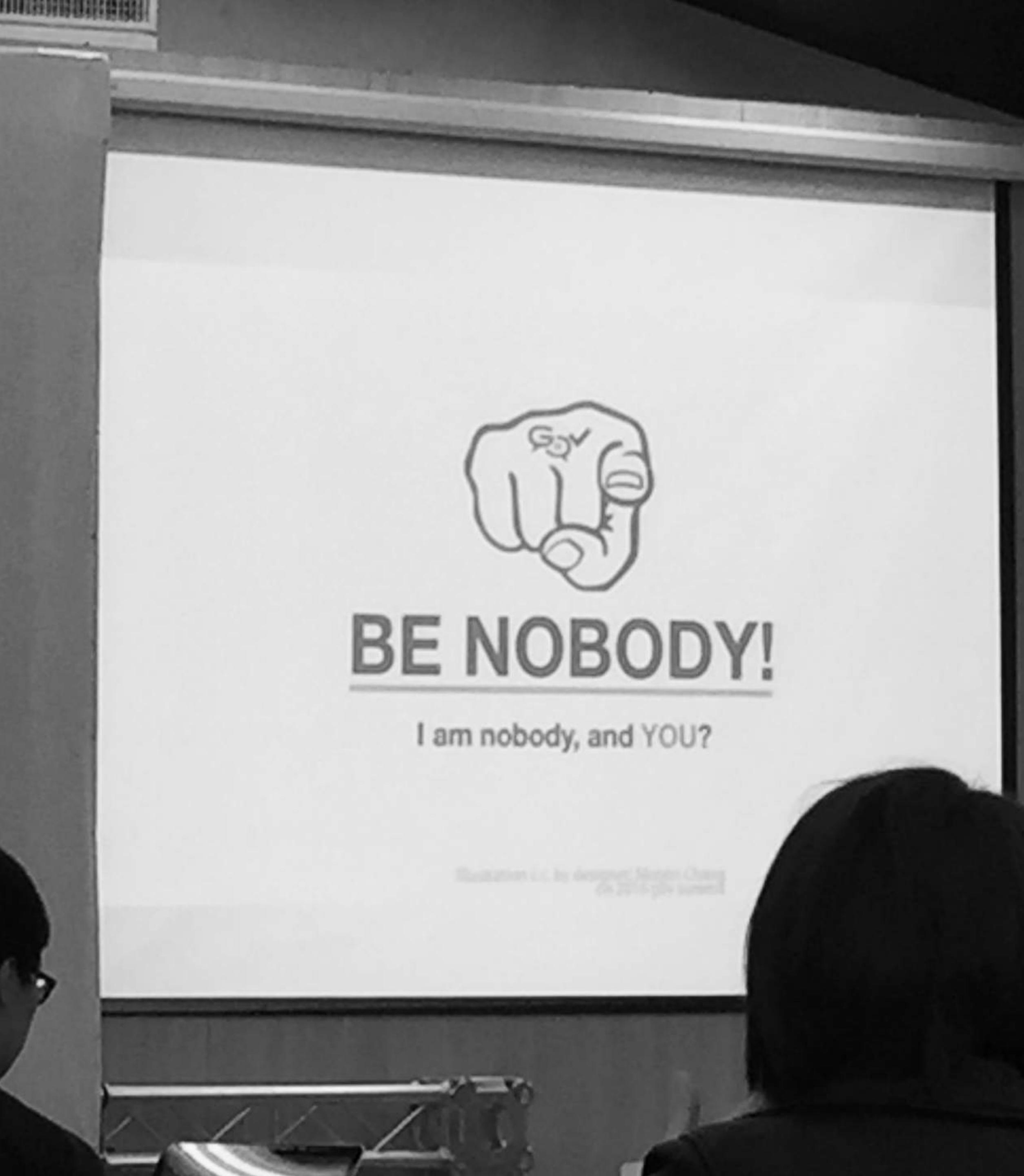
g0v

re:defining language
of collaboration



g0v hackth25n September 2017





new language puts people in a new framework of thinking

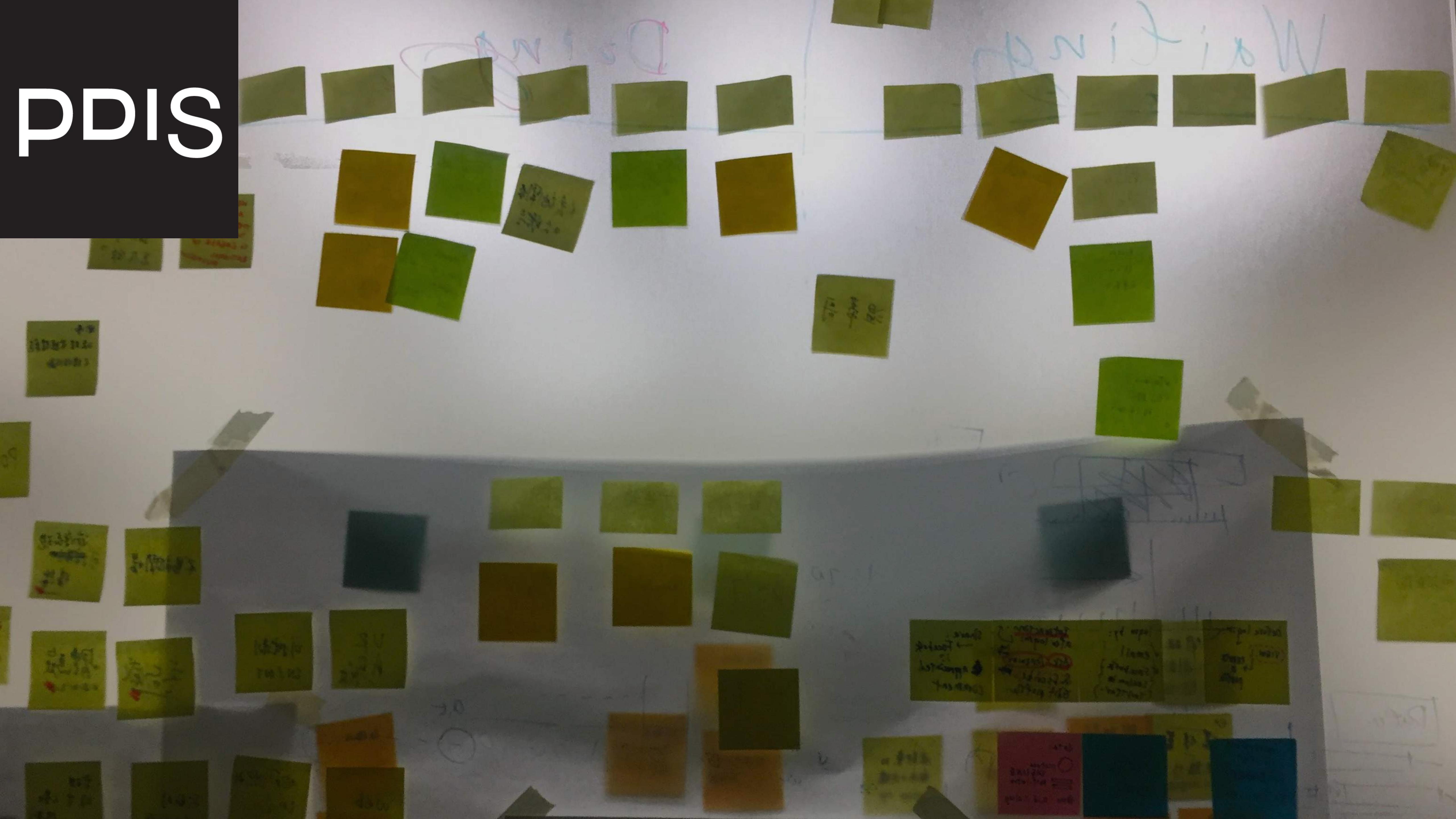
creates a new terms that haven't ossified their definitions

provides a new shared vocabulary that does not bring too much baggage

uses language to restructure and break down hierarchies



PDIS



**I am an anarchist Minister, I don't give commands
and I don't obey commands**

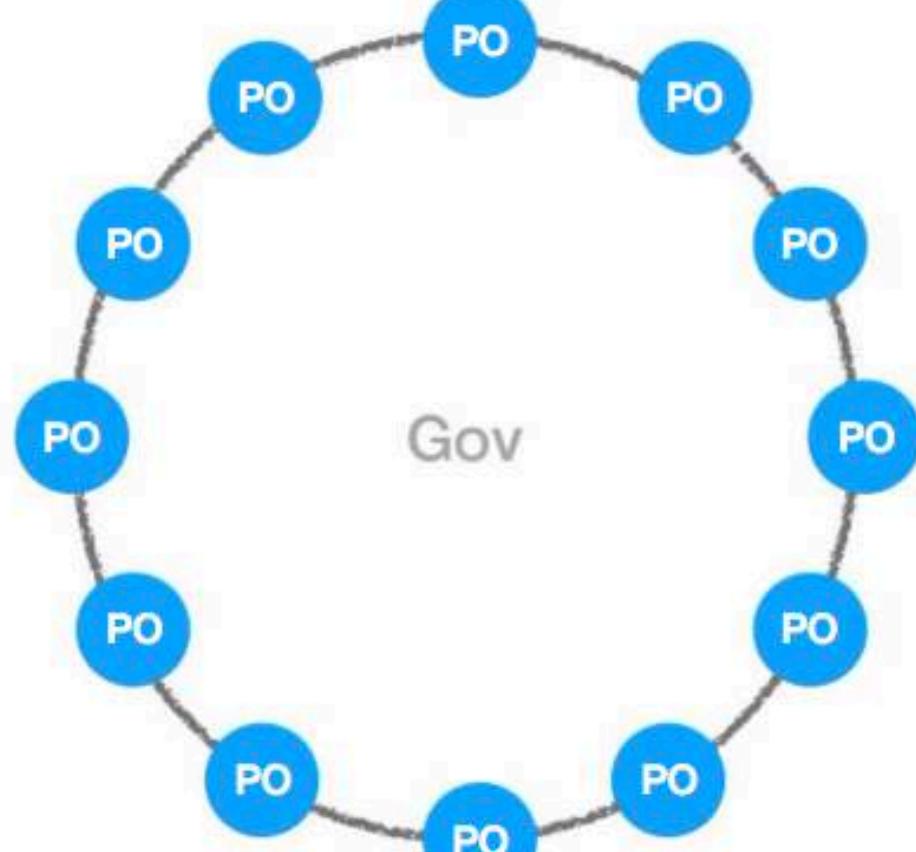
Audrey Tang



Audrey lives in the future. She isn't designing for a time for now, she's looking ahead to a different time scale.

Shu Yang, re:architect at PDIS

Participation Officer network



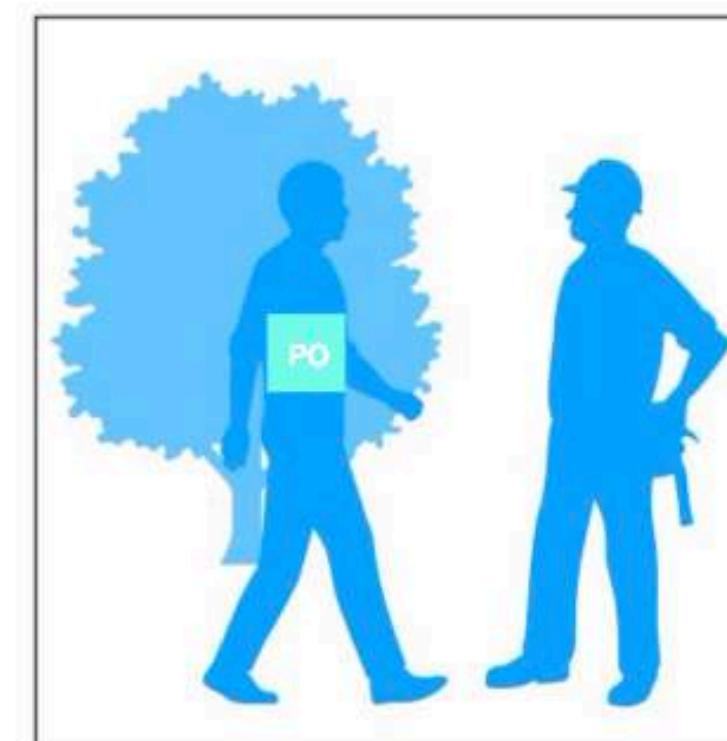
The PO peer support network serves to drive cultural change. It plays a key role in Taiwan's open government scene.

They are involved in conversation with civic society and governmental divisions. Topics of the conversation are mostly from the "Propose" part of Join Platform. POs gather in weekly, monthly, and seasonal basis respectively for service workshop, peer review and seasonal project milestones review since POs are entirely empowered to decide how this system should work.

PO in-a-day

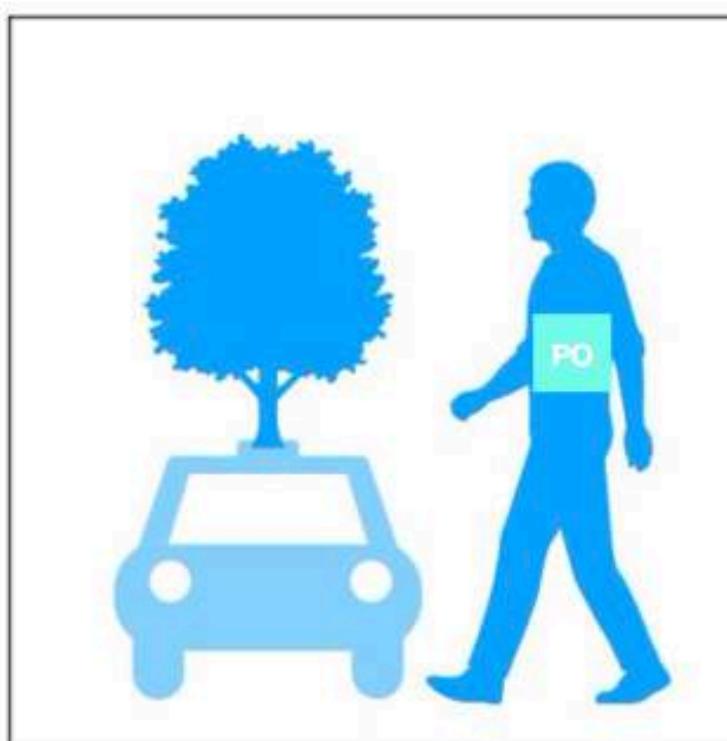
Work

collaboratively within belonging ministry, always have good understanding of what's happening.



Discover

opportunities to make the ministry better. Propose ideas beneficial to the civic society.



Co
closely
and ca
when

watchout.tw

**Re:figuring stories to
engage wide audiences**



watchout.tw

Disseminate information in understandable way

Host events that bring citizens and legislators together

Livestream legislative processes to ensure transparency

Open data initiatives



最新直播

支持
沃草

直播結束 | 沃草國會無雙 | 沃草國會無雙

Secure | https://musou.tw

— 最新直播 —

院會 2017年09月26日 總質詢

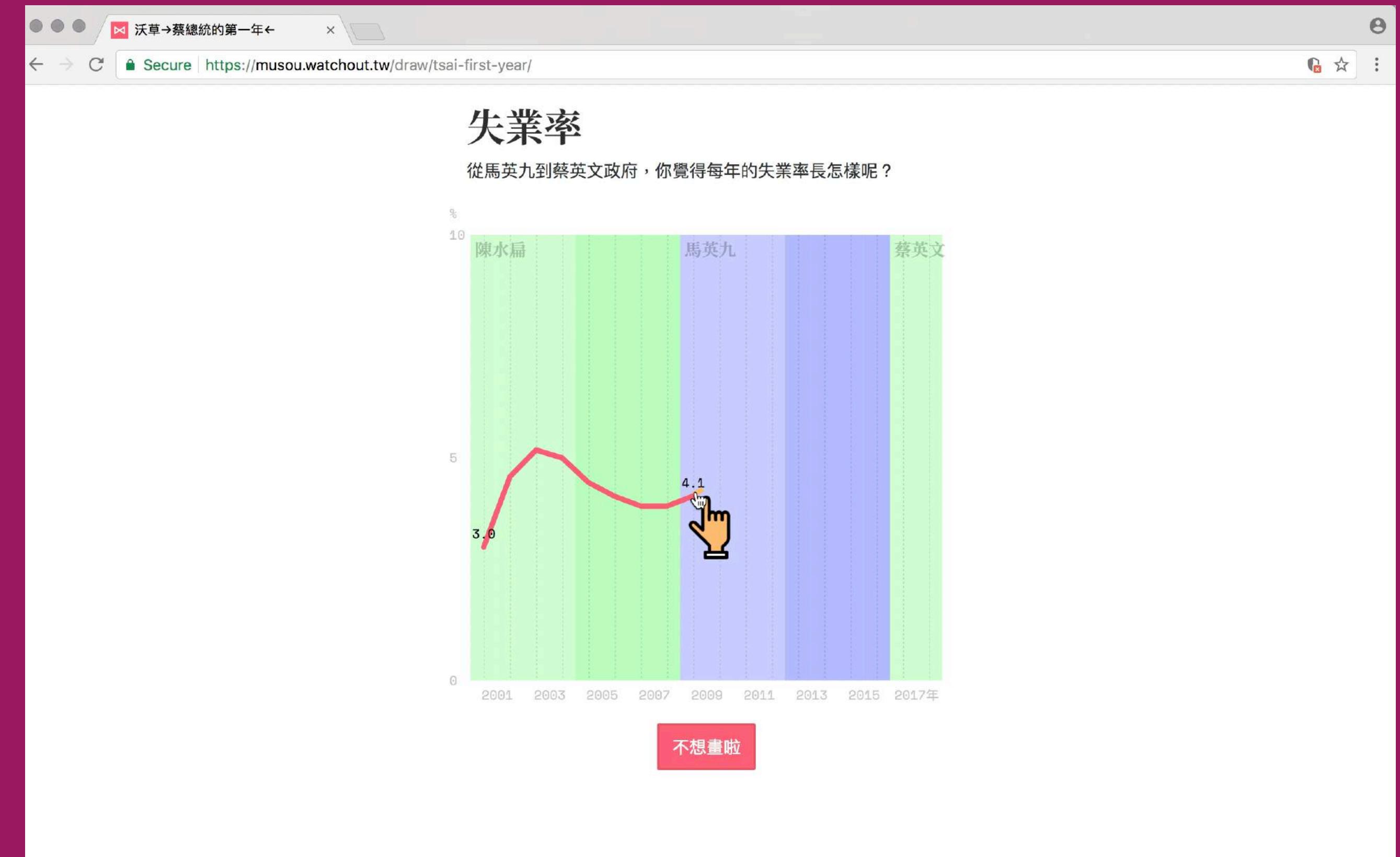
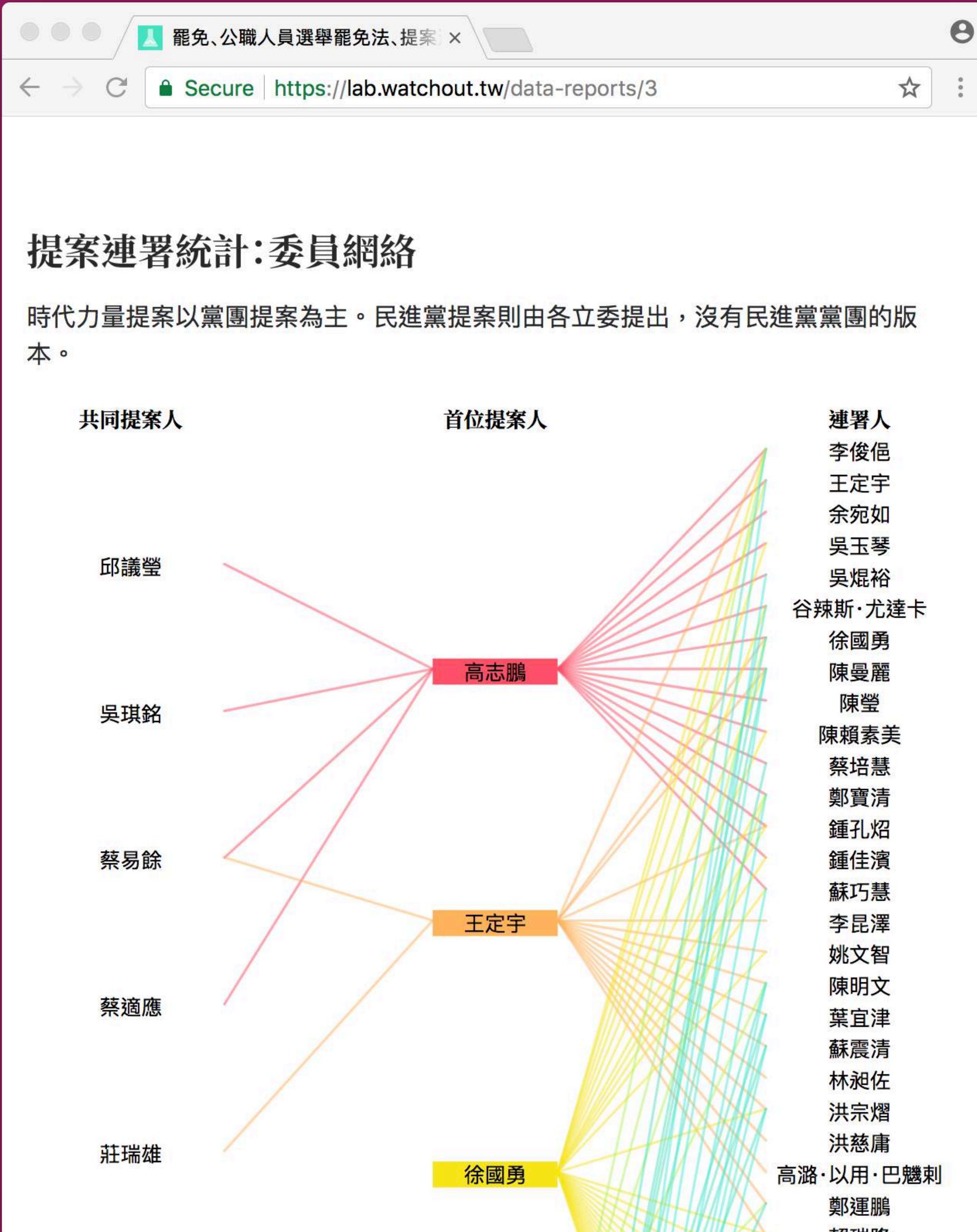
院會 2017年09月22日 總質詢

院會 2017年08月29日 總質詢

總質詢正式登場 再修勞基法 賴清德如何表態？

立院開議破慣例 賴揆首次「總質詢」下週才登場

前瞻上百案尚待「處理」 立法院前瞻表決戰何時休兵？



Re:figure media

Importance of redefining language

Importance of breaking down hierarchies

Importance of re:figuring stories

The background of the slide is a dark, grainy aerial photograph of a city at night. The city lights are visible as small, colorful dots and streaks of light along the streets, creating a textured pattern against the black sky.

Deliberative democracy
to re:imagine NYC
governance



g0vNYC is working to bring deliberative
democracy models to inform city decision
making and to connect organizations and
districts around NYC's most pressing issues
to solve them a more effective way.

Viable Systems Model

Stafford Beer, Management Cybernetics

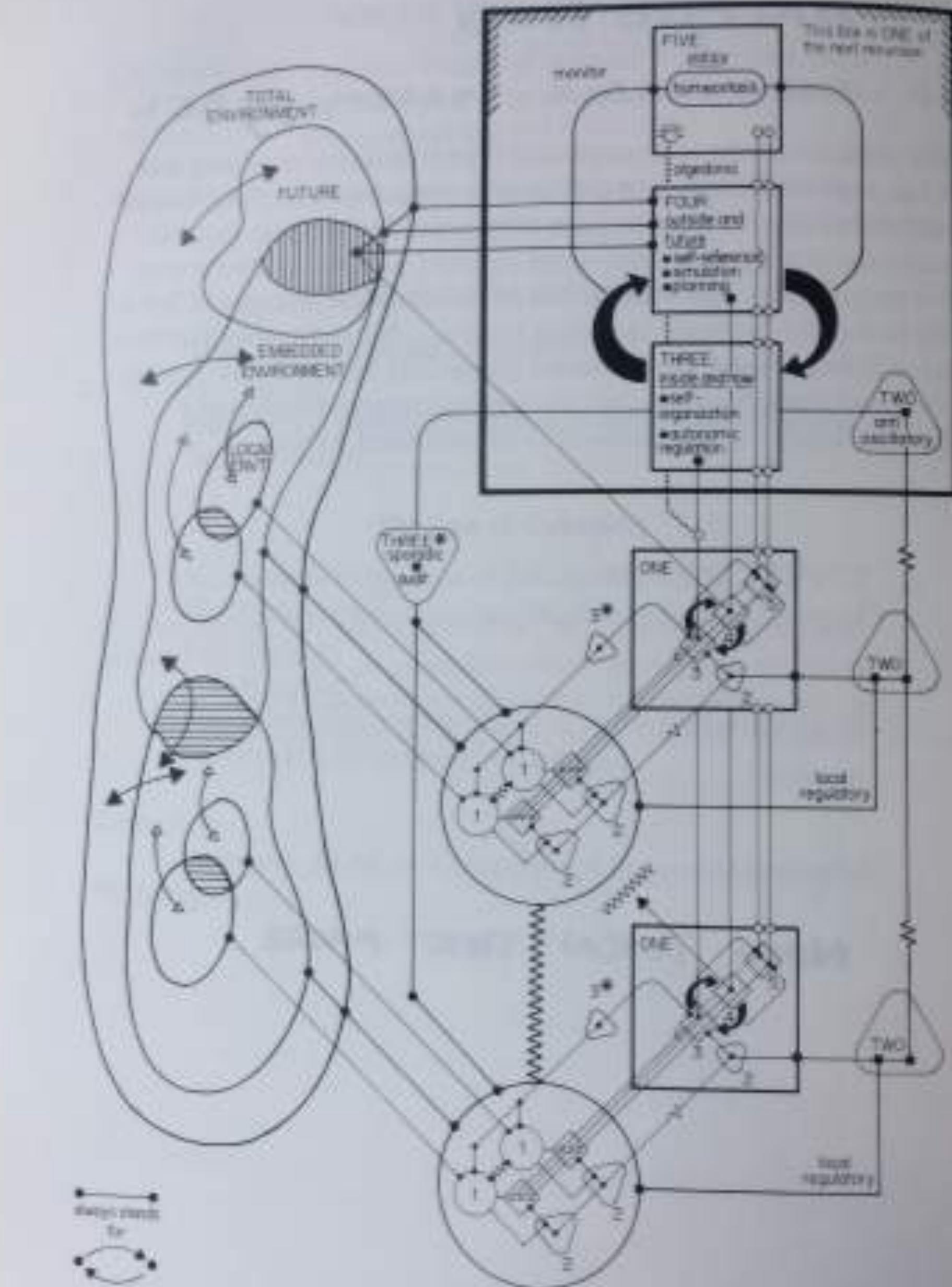


FIGURE 37

THE VIABLE SYSTEM
- Stafford Beer

TOP DOWN



VIABLE



BOTTOM UP

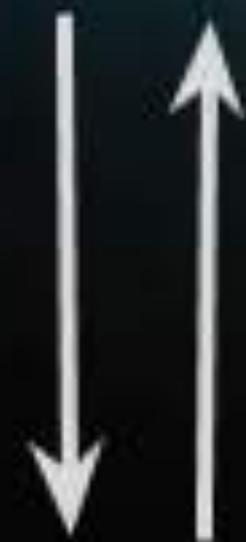


VIABLE

g0vNYC

ORG

CITIZENS



Designing Viable Systems

Requisite variety

Channels

- **facilitation and stakeholder meetings**
- **online discussion spaces**
- **media channels**

Transducers

- **structured conversations**
- **communicating the message effectively**
(e.g. framing of content, translations)

MIXED-REALITY PARTICIPATION



Facilitator training engages citizens at scale

Train people invested in the issue
to become facilitators

Develop toolkit of different
practices

Host deliberation meetings to
surface community concerns

Engaging Citizens at Scale



Envisioning a virtual projection of real world cities, where citizens come together, commit and conduct deep deliberation.

By using technology creatively humanity can facilitate deep and fair conversations form collective consensus deliver solution we can all live with.

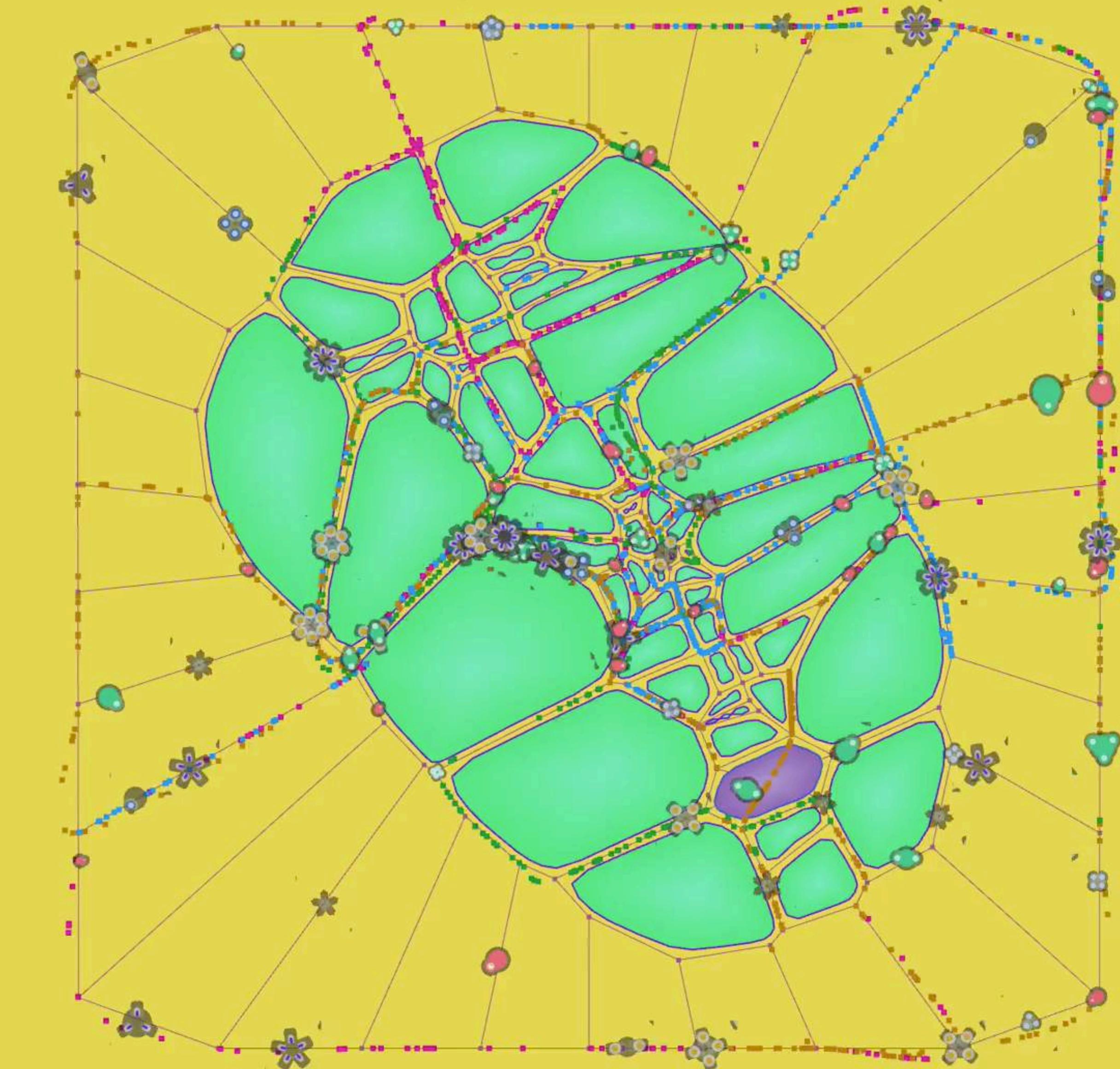
**Holopolis:
Virtual Commons**

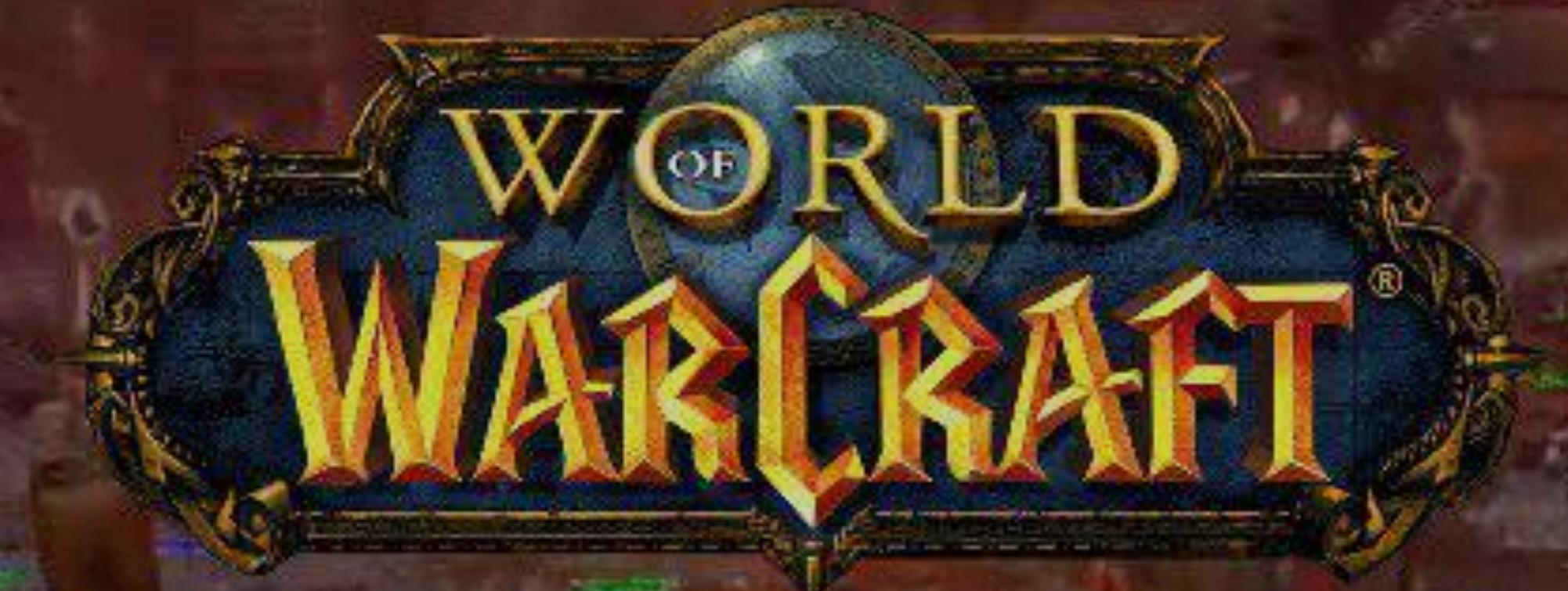
**There is no neutral space, everything
is designed—even the default.**

How we design our structures affects behavior

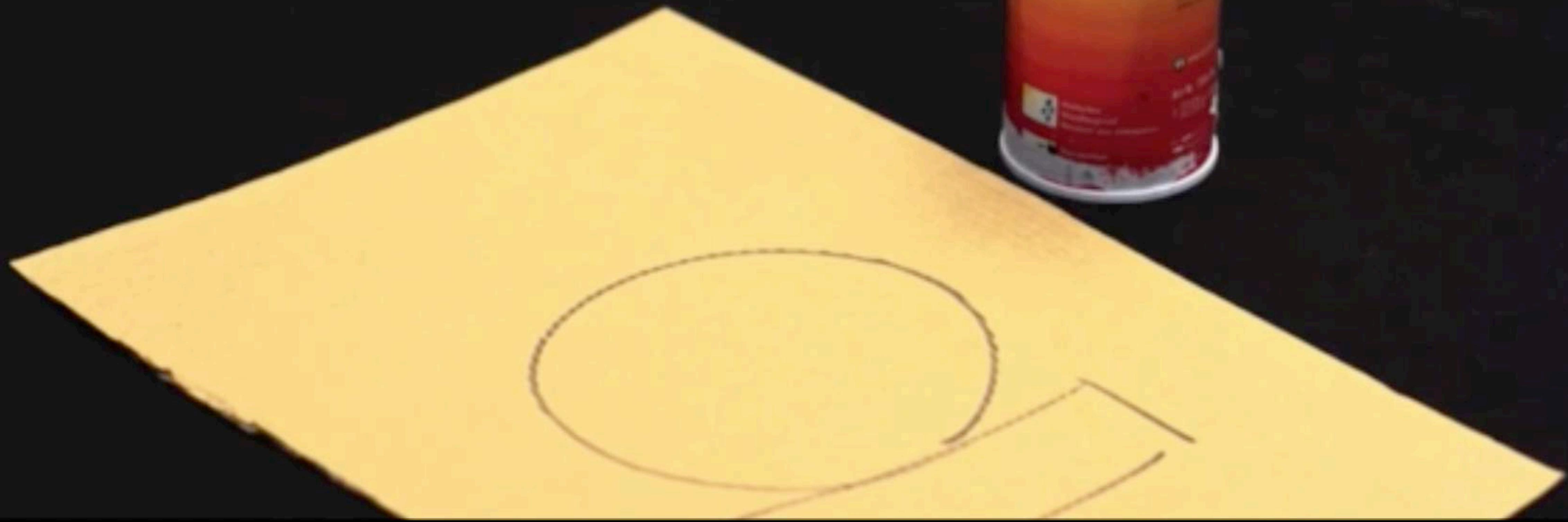


**Behavior is
context
dependent**

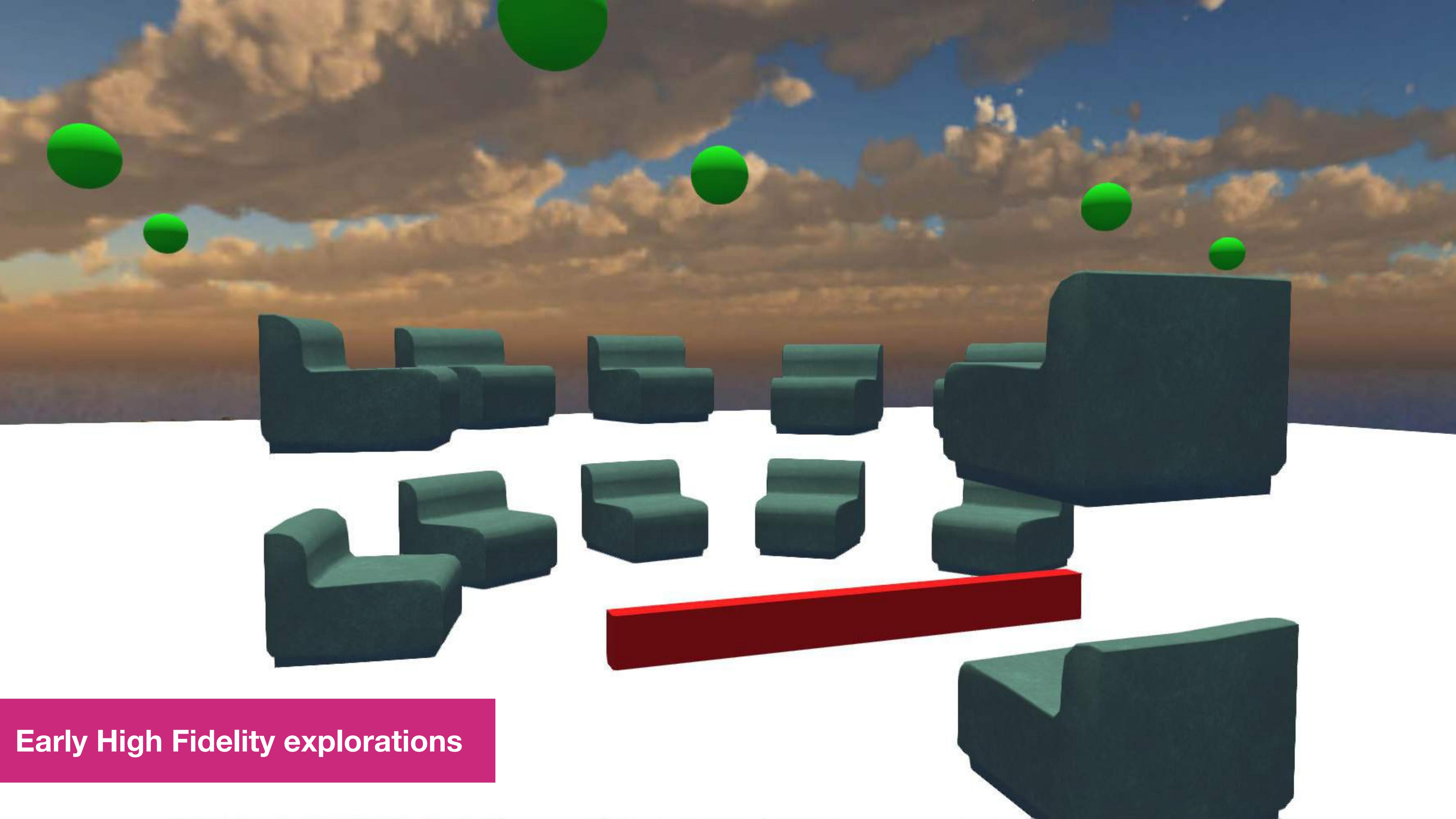




we asked users to paint this drawing



Affordance++ is a work by Pedro Lopes, Patrik Jonell, Patrick Baudisch at the Hasso Plattner Institut.



Early High Fidelity explorations

Talk to NYC (@talktonyc)

community run multi-media platform

repository of info—peoples database

promotes transparency & openness

hold representatives accountable

The screenshot shows the homepage of talkto.nyc. At the top, there's a navigation bar with links for 'Learn', 'Results', 'Make a Survey', and 'Take a Survey'. The main headline reads: 'It's time to forge stronger connections between NYC citizens and city decision makers.' Below this, there are four cards with icons and descriptions:

- Crowdsourcing to inform NYC governance**: Represented by a lightbulb icon above three people.
- Reducing the burden of participation and increasing effectiveness**: Represented by a speech bubble icon above three people.
- Connecting organizations and districts around shared concerns**: Represented by two speech bubble icons above three people.
- Open knowledge, data, and tools**: Represented by a cloud icon containing binary code (10110010 01101111 1 10 1).

UNITE AGAINST DISPLACEMENT

COALITION TO PROTECT UPTOWN AND LOWER EAST SIDE

Margot S. Tamm

Charlotte Haze





Binoculars 8x32

ight Binoculars:
and easily observe

SONY

α
7

Talk To NYC - YouTube

Seguro https://www.youtube.com/channel/UCdS6fCVbn7L39HPDcKmIWsA/videos

YouTube™ talk to nyc

SUBSCRIBE

HOME VIDEOS PLAYLISTS CHANNELS DISCUSSION ABOUT >

Uploads PLAY ALL SORT BY

 0:27
Mary Silver — Cultivating Engagement
13 views • 14 hours ago

 1:08
Jorge Vasquez — Improving Community Boards
6 views • 15 hours ago

 0:41
Carlina Rivera Supports Participatory Budgeting
9 views • 16 hours ago

 0:10
Chris Marte on Participatory Tools — Talk to NYC
18 views • 1 day ago

 0:37
Ronnie Cho will Fight for Making Voting Easy
3 views • 2 days ago

 0:36
Ronnie Cho will bring Participatory Budgeting to the Young and Old District
1 views • 2 days ago

 0:37
Jasmin Sanchez will Unite the Young and Old District
1 views • 2 days ago

 1:48
Taking a stand against displacement in NYC —
1 views • 2 days ago

 1:25
Taking a stand against displacement in NYC —
1 views • 2 days ago

 1:34
Taking a stand against displacement in NYC —
1 views • 2 days ago

对话纽约

Website: talkto.nyc Email: hi@talkto.nyc Twitter: @talktonyc

现在，让纽约市民同城市决策者之间进行更亲密的对话吧。



让你参与到为纽约的城市治理进言献策



为你减轻工作量，提高沟通效率



围绕共同关心的话题，为组织和地区牵线搭桥



开放知识、数据和工具

发出你的呼声。

如果你想：

让你的想法被付诸实践，



点击
talkto.nyc/take
填写调查问卷

了解群众的呼声，制定更有效的决策



点击
talkto.nyc/make
制作调查问卷

Short Term

Re-form lengthy Community Board process

Adoption of participatory processes throughout NYC politics

Open data and tools

Learning & Development toolkits

Experimentation to understand what tools and processes could work to build a viable system.

Help elect NYC City Council candidates that show a commitment to participatory models

Long Term

Tools: Tangible Timescale

Objective

Reflective

Interpretive

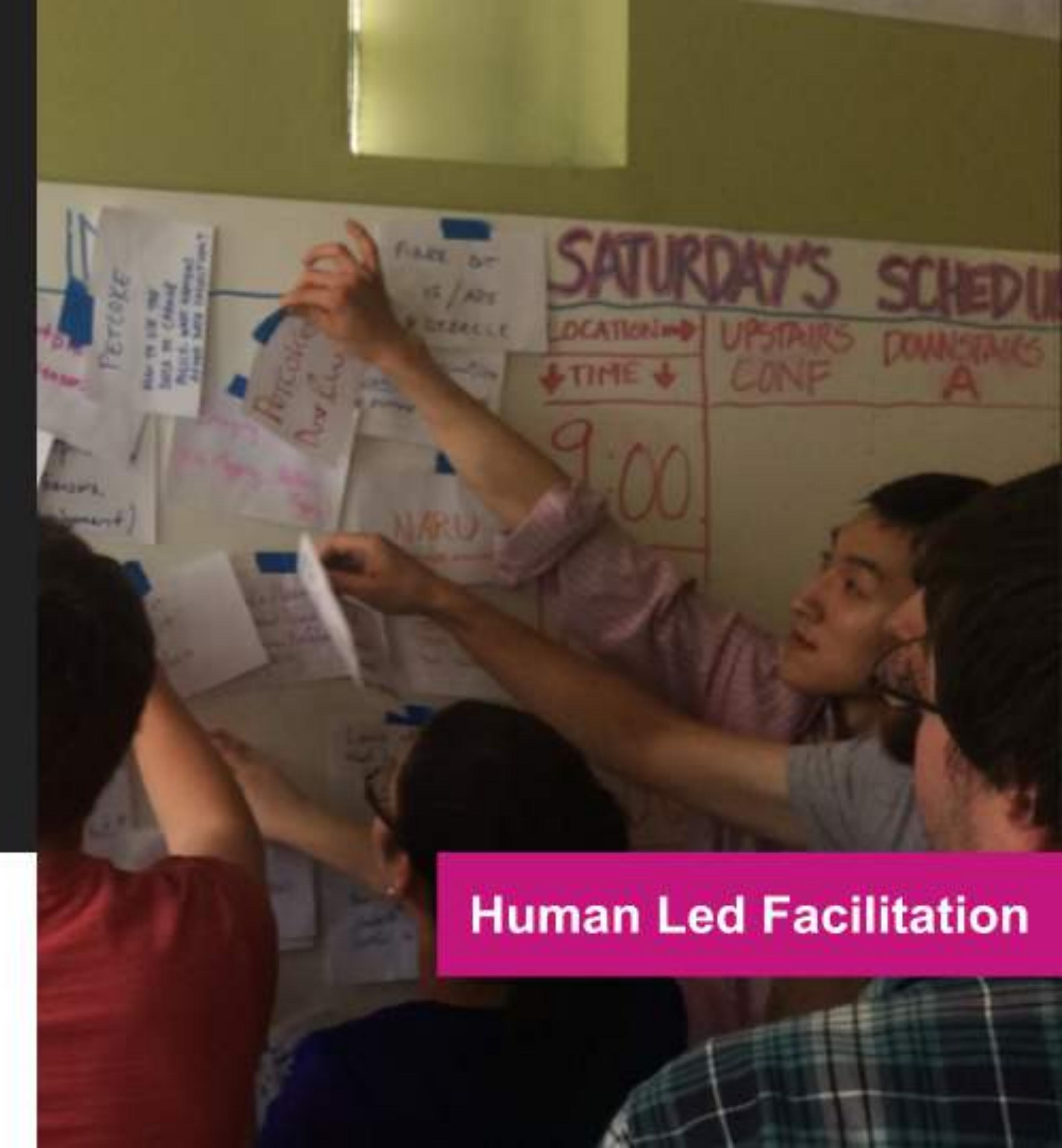
Decisional

<http://betterevaluation.org/en/evaluation-options/orid>

Founding Partners:



Financial Supporters:



Human Led Facilitation

數位經濟法規調適 線上諮詢會議part6

遙控無人機應用與管理機制

時間 2017年9月21日(星期四)

18:30-19:00	來賓報到
19:00-19:05	介紹與會者(5分鐘)
19:05-19:10	主持人說明議題(5分鐘)
19:10-19:30	交通部民航局報告(20分鐘)
19:30-20:15	與會來賓意見分享(45分鐘)
20:15-20:25	部會綜合回應(10分鐘)
20:25-20:55	交流討論(30分鐘)
20:55-21:00	主持人總結(5分鐘)

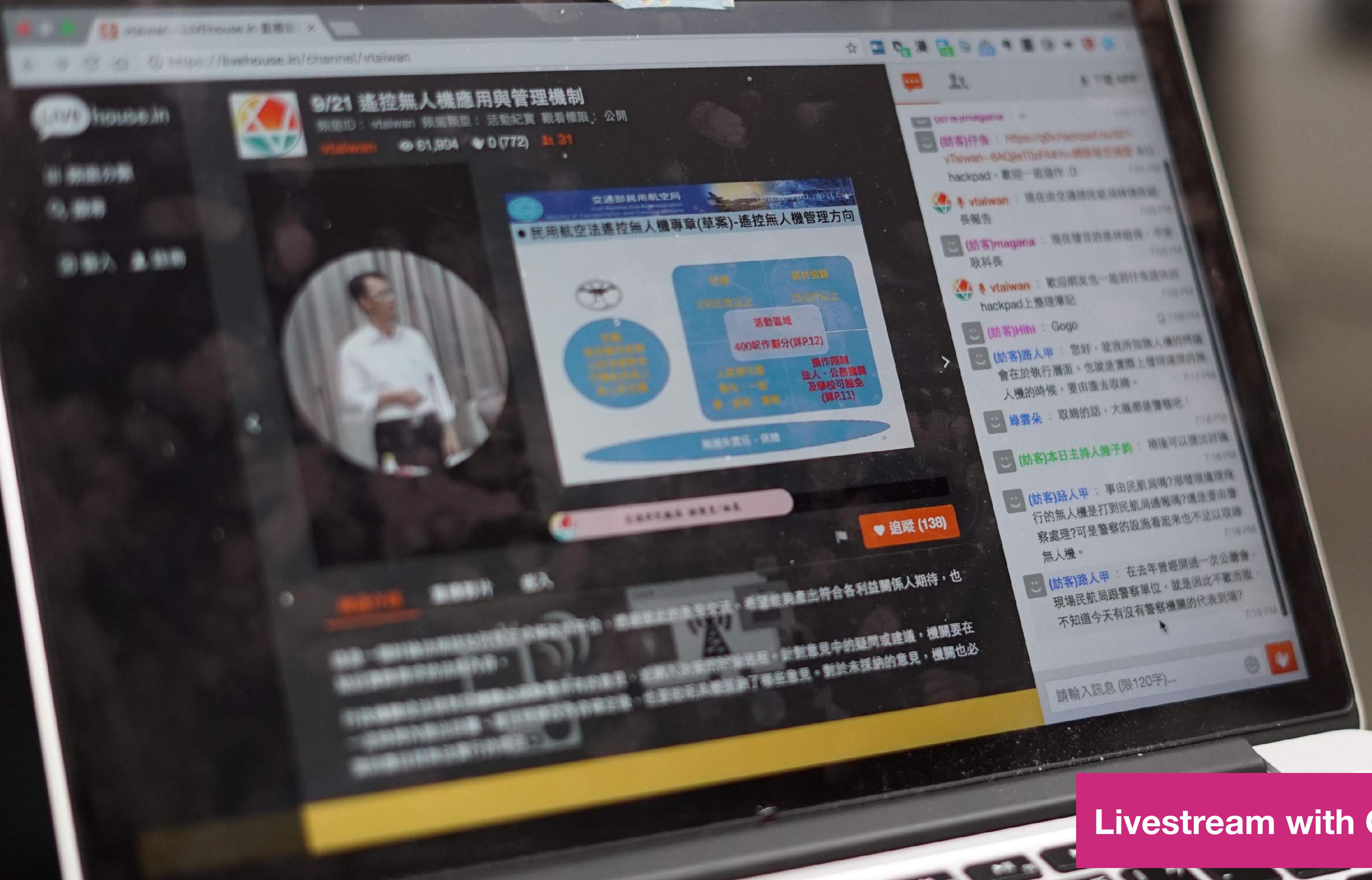
舉辦地點：行政院第七會議室（臺北市忠孝東路一段1號）
主持人：陸子鈞（OMNIInsight 詮識數位股份有限公司執行長）



Consciousness with space design



Livestream with Online Chat



Engagement with sli.do

Civic Tech Fest x TICTeC@Taipei

HackMD

What successful examples have you seen of people who are marginalised using civic tech tools?

James - Using as many channels as possible - e.g. SMS is relevant in some parts of the world.
We can identify where we haven't reached yet. Ultimately using the equipment already in the community is more like

Government-led Civic Technology:
Successes and Challenges

WCIT OpenGov Panel

Secure | https://app.sli.do

WCIT OpenGov Panel

QUESTIONS POLLS

Ask the speaker

Type your question

27 questions Popular

Anonymous Sep 13, 2017 8

How to against the open-washing?

Ching Sep 13, 2017 6

Who is your audience actually: mass? Critical mass? Or elites? How is the MP voting record transparency changing the election result next time around?

GGM Sep 13, 2017 5

And How we can measure the civic technology impacts on people's life and well being?

Anonymous Sep 13, 2017 3

What is the biggest challenge to build trust between the government and citizens

Ask

Realtime Transcription & Note-Taking



Anonymous voter

We should impose restrictions on junk food marketing, particularly to children.

Agree

Disagree

Pass / Unsure

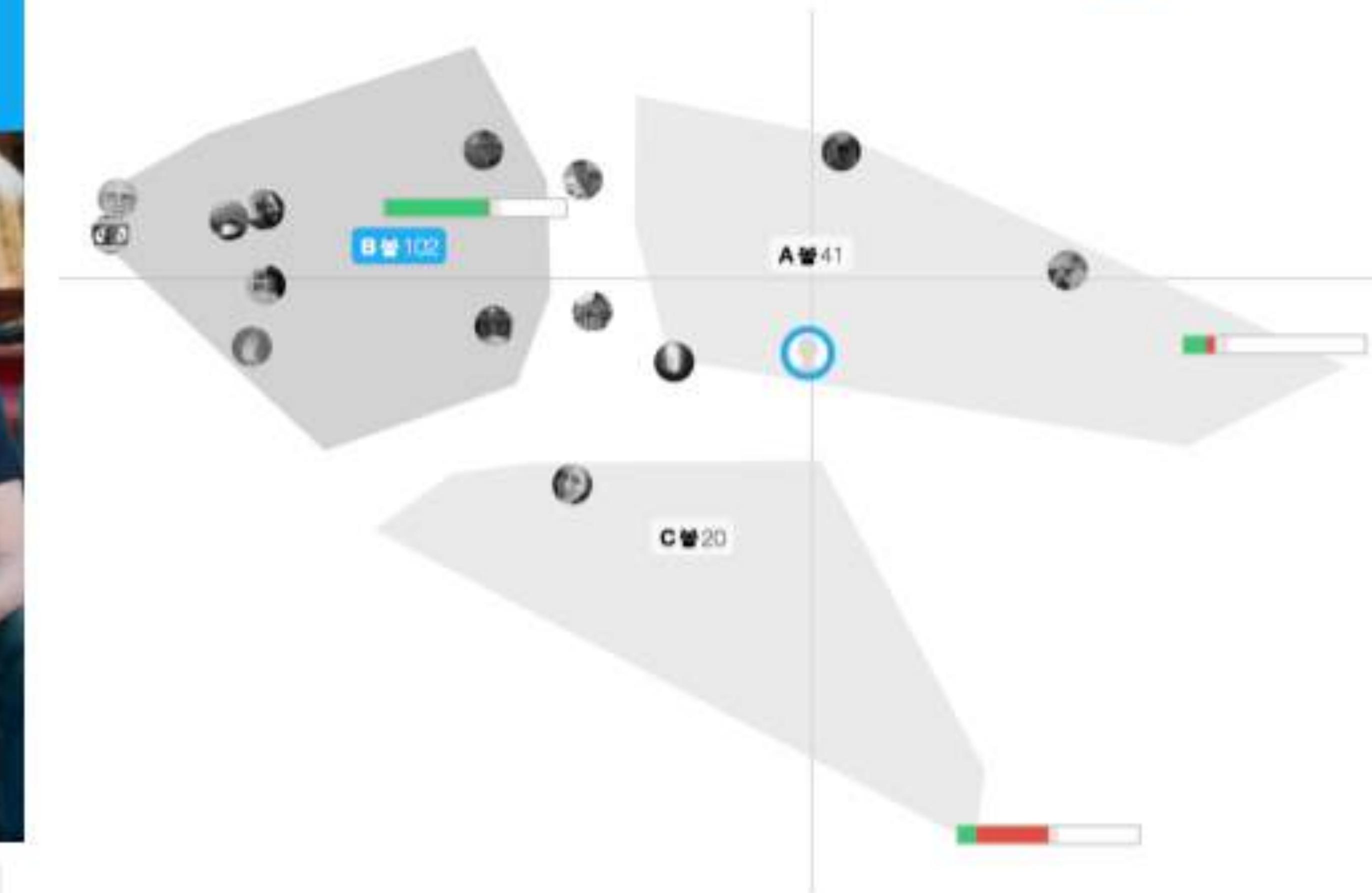


Share your perspective...

Submit

Opinion Groups

People who vote similarly are grouped. Click a group to see which viewpoints they share ...[more](#)



Majority Opinion

Group:

A

B

C

Comment:

9

20

22

41

58

#41 It is difficult to say give people autonomy to decide with no regulation when society has to pay in the health care costs of obesity.



89% of those in group B who voted on comment 41 agreed.

Choose an open source license

Which of the following best describes your situation?



I want it simple and permissive.

The [MIT License](#) is a permissive license that is short and to the point. It lets people do anything they want with your code as long as they provide attribution back to you and don't hold you liable.

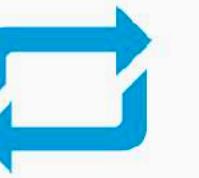
[jQuery](#), [.NET Core](#), and [Rails](#) use the MIT License.



I'm concerned about patents.

The [Apache License 2.0](#) is a permissive license similar to the MIT License, but also provides an express grant of patent rights from contributors to users.

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I care about sharing improvements.

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[Bash](#), [GIMP](#), and [Privacy Badger](#) use the GNU GPLv3.

What if none of these work for me?

My project isn't software.

[There are licenses for that.](#)

I want more choices.

[More licenses are available.](#)

I don't want to choose a license.

[You don't have to.](#)

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- State changes

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- Warranty

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- State changes

- Liability
- Warranty

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- Trademark use
- Warranty

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Agile Ethos & Rituals

self-organized teams

daily check-in: how can we help each other

feedback and reflection

rapid iteration

Manifesto for Agile Software Development

We are uncovering better ways of developing software by doing it and helping others do it.

Through this work we have come to value:

Individuals and interactions over processes and tools

Working software over comprehensive documentation

Customer collaboration over contract negotiation

Responding to change over following a plan

That is, while there is value in the items on the right, we value the items on the left more.

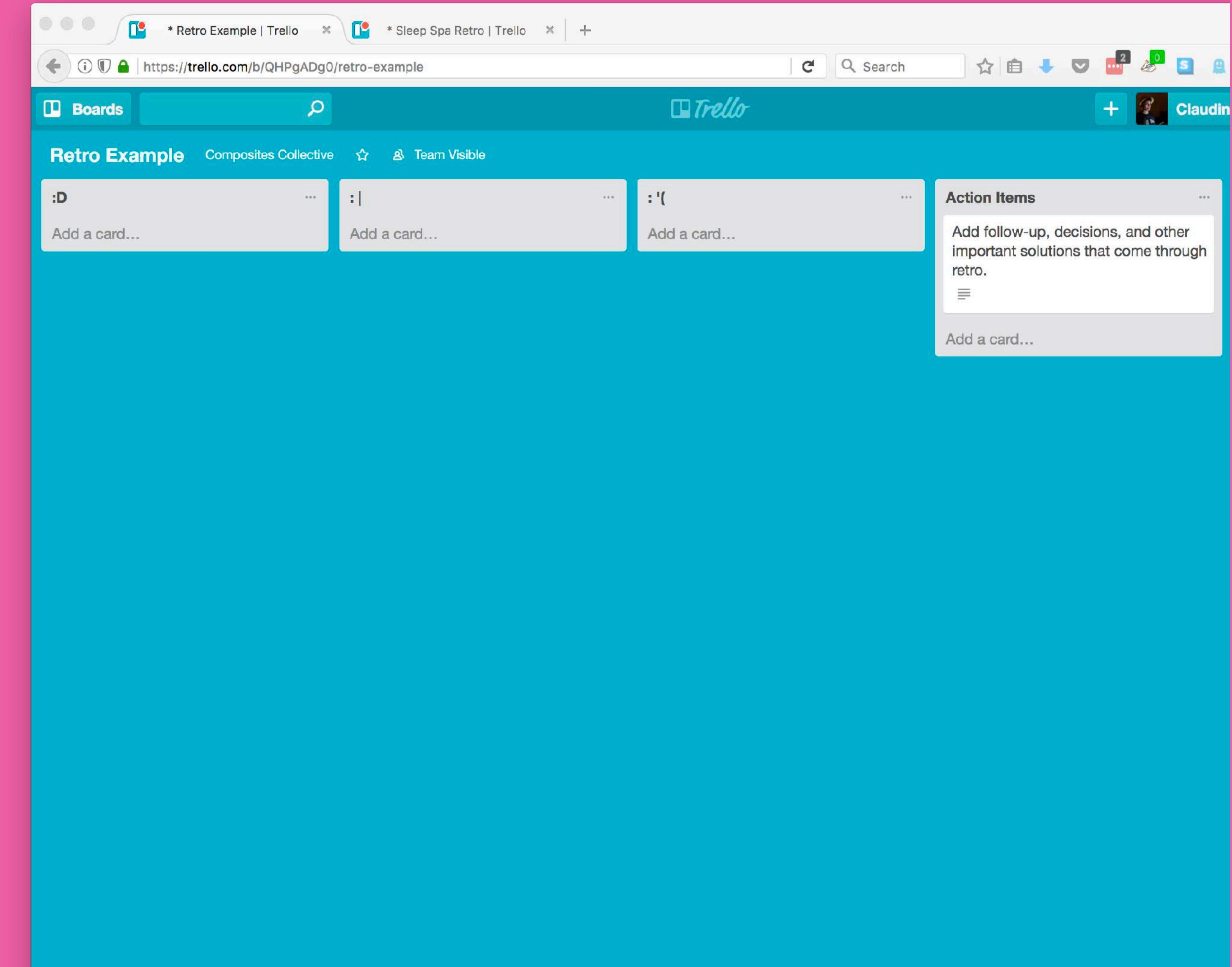
Kent Beck
Mike Beedle
Arie van

James
Grenning
Jim Highsmith

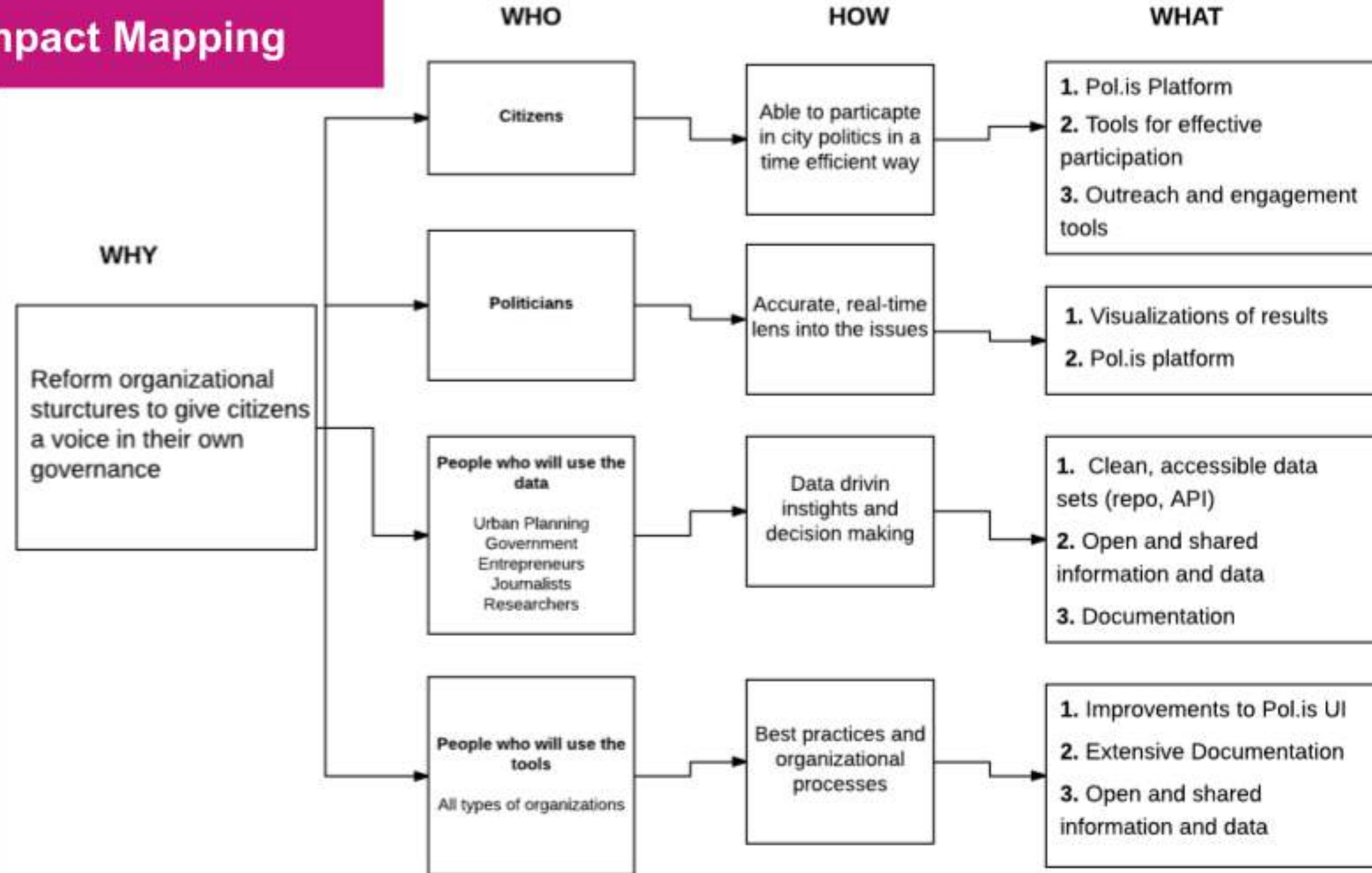
Robert C.
Martin
Steve Mellor

**Retrospectives
provide time for
reflection.**

**They help build
feedback friendly
environments & trust.**



Impact Mapping



Redefine language. Create a new one.

Breakdown hierarchies

**Make different media for different
audiences**

Experiment

技術者不會、也不該只有技術。

Behind every technologist,
there is and should be
much more than mere technology.

技術背後有其追求、
持守的價值。

Behind every technology,
there is a set of values
informing its pursuit.

Thank you!

@itsmisscs | @talktonyc

team@compositescollective.com

PHOTO CREDITS

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- [1] pol.is screenshots <https://www.technologyreview.com/s/607990/the-internet-doesnt-have-to-be-bad-for-democracy/>
- [3]
- [6] Opte Project <http://www.opte.org/maps/>
- [9-12, 14, 16-17] Sunflower Movement <http://4am.tw/photos/>
- [13] Wild Lily Movement <https://commons.wikimedia.org/wiki/File:Wild-lily-movement.jpg> (L); Tim Berners Lee <https://www.flickr.com/photos/itupictures/16662336315> (R)
- [19] Shot by CC from Jacklyn Tai's talk
- [27] Audrey Tang <https://civichall.org/civicist/vtaiwan-democracy-frontier/>
- [28] PO Network https://issuu.com/pdis.tw/docs/po_52ce5633cbf6a3
- [29] Appendectomy project logo <https://www.facebook.com/Appendectomy/>
- [30] Video by watchout.tw <https://www.youtube.com/watch?v=THHQzPKuXzl>; screenshots from musou.tw
- [31] Screenshots by CC labs.watchout.tw
- [33] New York City at night by helicopter <http://www.vincentlaforet.com/>
- [34] Essex Street west side above Hester
- [35] Stafford Beer <https://www.thenews.coop/93040/sector/seven-thats-the-magic-number/>; Viable Systems Model photo from *Diagnosing the System for Organizations* by Stafford Beer
- [36]
- [43] School lunch <http://kwbu.org/post/trump-s-new-school-lunch-plan-allows-dangerously-high-levels-sodium#stream/0>; Research about lunch behavior from *Nudge* (book)
- [44] UCC Organism <http://variable.io/ucc-organism/>
- [45] World of Warcraft Corrupted Blood incident <https://gamerant.com/world-of-warcraft-corrupted-blood-incident-anniversary/>
- [46] Affordance++ <http://plopes.org/project/affordance-plus-plus/>
- [47] High Fidelity deliberation prototype by Lin Shu Yang & Nexus, PDIS
- [60] pol.is team <https://www.geekwire.com/2014/startup-spotlight-polis/>