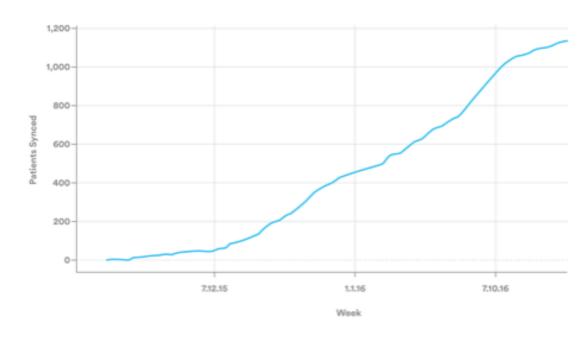




HOME ABOUT RESULTS BLOG CONTACT PRES

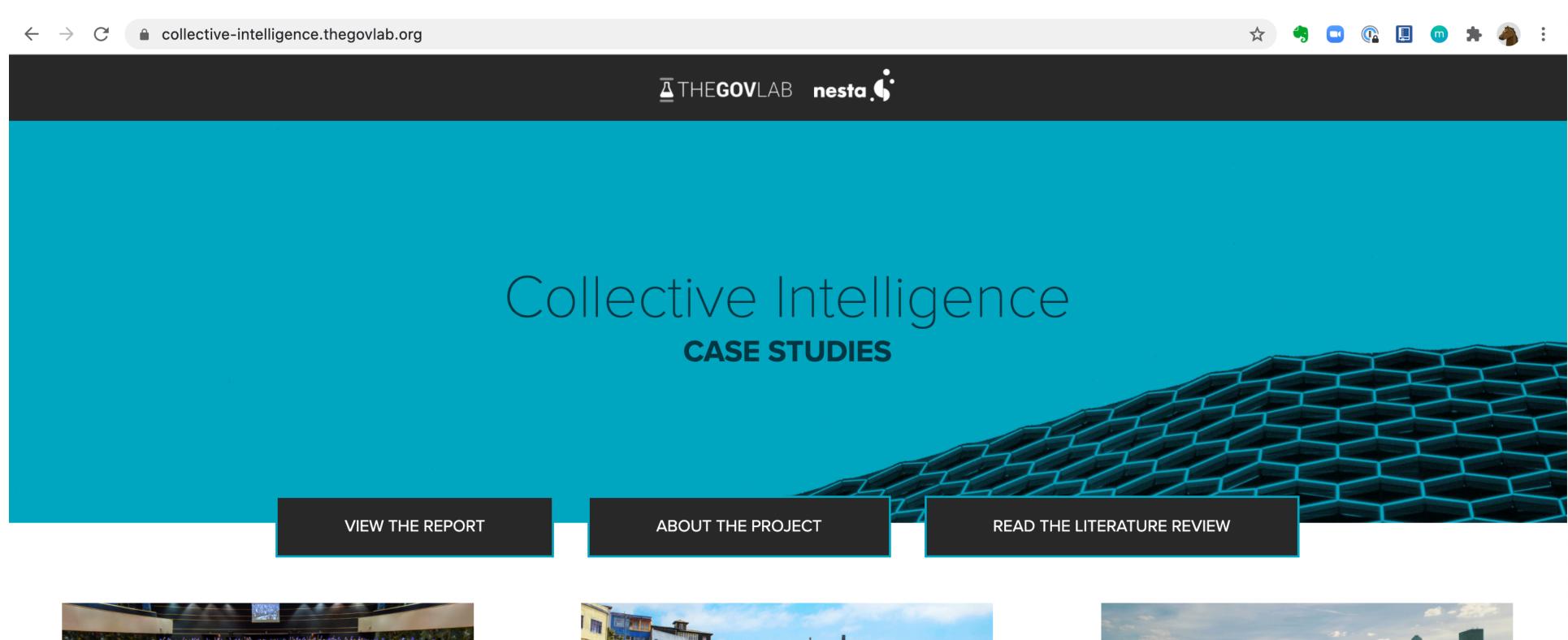
AIR Louisville Results Summary

Louisville is a tough place for people living with lung diseases like asthma and COPD (chronic obstructive pulmonary disease). AIR Louisville was designed to be the largest public health study of respiratory disease ever conducted by a public-private collaboration. The data collected by AIR Louisville are being used to help the City improve conditions for citizens with asthma and COPD.



Launched in 2015, AIR Louisville enrolled 1,147 citizens of Louisville and, using medication sensors from Propeller Health, tracked where, when and why they had asthma or COPD symptoms. The project is a collaboration that includes Propeller, the Institute for Healthy Air Water and Soil and the Department of Civic Innovation at Louisville Metro. The Robert Wood Johnson Foundation funded the work.







WeEuropeans

1.7 million Europeans help draft policies to reboot the European project



Abre

Nonprofit helps city build capacity for collective intelligence projects



AIR Louisville / Propeller Health

Using GPS-enabled inhalers, the Louisville Metro Government tracked asthma/COPD incidents and

Imagine if...

Imagine if

we could expedite the path between innovative ideas and implementable new policies and services.

Imagine if

the data scientist, epidemiologist, technologist, urban planner, public official, and artist – those with diverse backgrounds and experience – could talk and devise solutions to public problems.

Imagine if

public officials had the ability to steward a process that focused the most creative minds in our own communities on improving them.

The only way to solve a largescale problem is with all hands on deck. Our **public institutions** therefore must be designed not only to represent citizenry through intermittent electoral engagement, but continuously through systematic conversation and tapping of talents and skills.



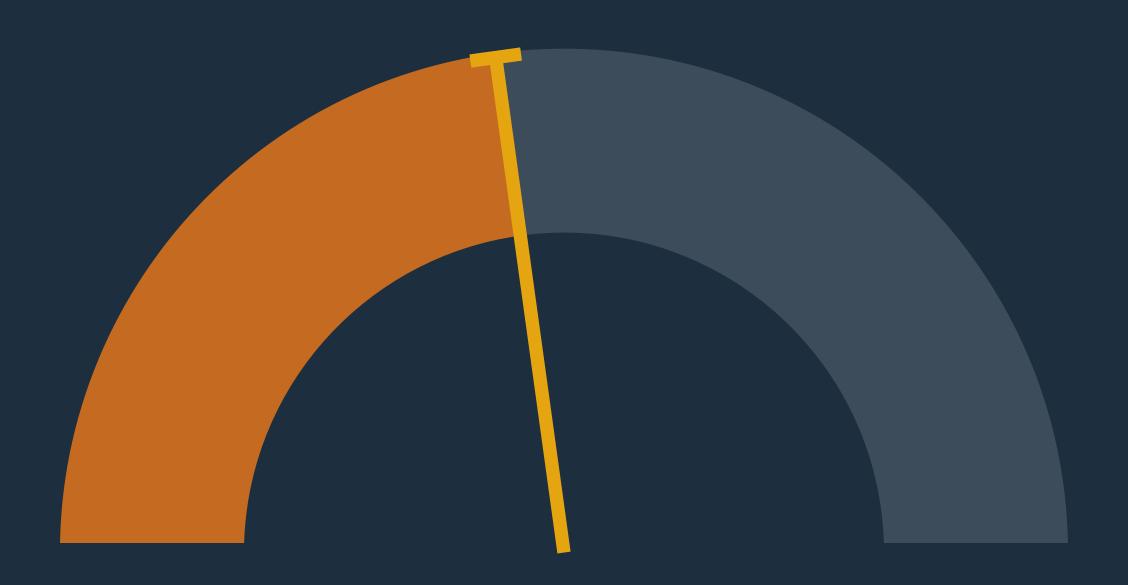


THE PROBLEM WE'RE SOLVING OUR INSTITUTIONS ARE OUTDATED AND PUBLIC TRUST IN THEM HAS DECLINED SIGNIFICANTLY...



TRUST IN GOVERNMENT GLOBAL





ONLY 47% OF CITIZENS GLOBALLY TRUST GOVERNMENT

COLLECTIVE INTELLIGENCE: SOLVING PUBLIC PROBLEMS BY TAPPING THE PUBLIC'S INTELLIGENCE AND EXPERTISE

The GovLab conducts applied research and hands-on projects with organizations and institutions around the world designed to help them learn how to identify and solve problems with public input. Done right, public engagement helps to solve problems more effectively as well as more legitimately.





LEARNING GOALS

- 1. Understand why and when it is crucial to use such collective intelligence to define and to solve problems.
- 2. Describe a range of collective intelligence methods including open innovation, collaboration and co-creation.
- 3. Understand and apply the key considerations for designing an effective collective intelligence project.
- 4. Anticipate and mitigate common pitfalls when using collective intelligence to solve a public problem.



the dominant role of users in the scientific instrument innovation process*

by Eric von HIPPEL

Alfred P. Sloan School of Management, Massachusetts Institute of Technology, Cambridge, Mass. 02139, USA

1. INTRODUCTION

Quantitative research into the industrial good innovation process has, over the last few years, demonstrated convincingly that:

- (1) Approximately three out of four commercially successful industrial good innovation projects are initiated in response to a perception of user need for an innovation, rather than on the basis of a technological opportunity to achieve them**,
- (2) Accurate understanding of user need is the factor which discriminates most strongly between commercially successful industrial good innovation projects and those which fail [2].

The studies which produced these findings were designed to test many hypotheses regarding the causes of successful industrial good innovation. Understandably, therefore, they are enticingly scant on detail regarding the "understanding of user need" hypothesis which showed such an encouraging correlation with innovation success. Among the interesting questions left unanswered are:

- CROWDSOURCING
- COLLABORATION
- CO-CREATION

- CROWDSOURCING
- COLLABORATION
- CO-CREATION



- CROWDSOURCING
- COLLABORATION
- ▶ CO-CREATION



- CROWDSOURCING
- COLLABORATION
- ▶ CO-CREATION



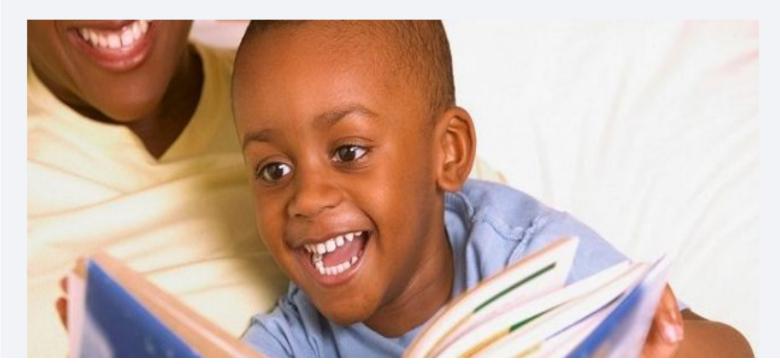
- CROWDSOURCING
- COLLABORATION
- ▶ CO-CREATION

Bridging the Word Gap Challenge

Health Resources and Services Administration (HRSA)

Summary

The word gap is the large difference in the number of words children from low-income families are exposed to as compared to children from high-income families. By age four, children from low-income families are hearing 30 million fewer words than their more affluent peers.



This is staggering. And it can have serious consequences. Children who experience this drought in heard words have vocabularies that are half the size of their peers by age four, putting them at a disadvantage even before they enter a classroom, and this word gap can lead to disparities not just in vocabulary size, but also in school readiness, long-term educational and

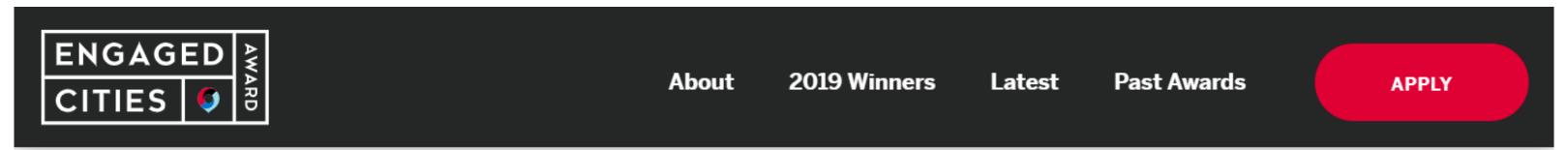
- CROWDSOURCING
- COLLABORATION
- **CO-CREATION**



Wikipedia
The Free Encyclopedia

- CROWDSOURCING
- COLLABORATION
- **CO-CREATION**



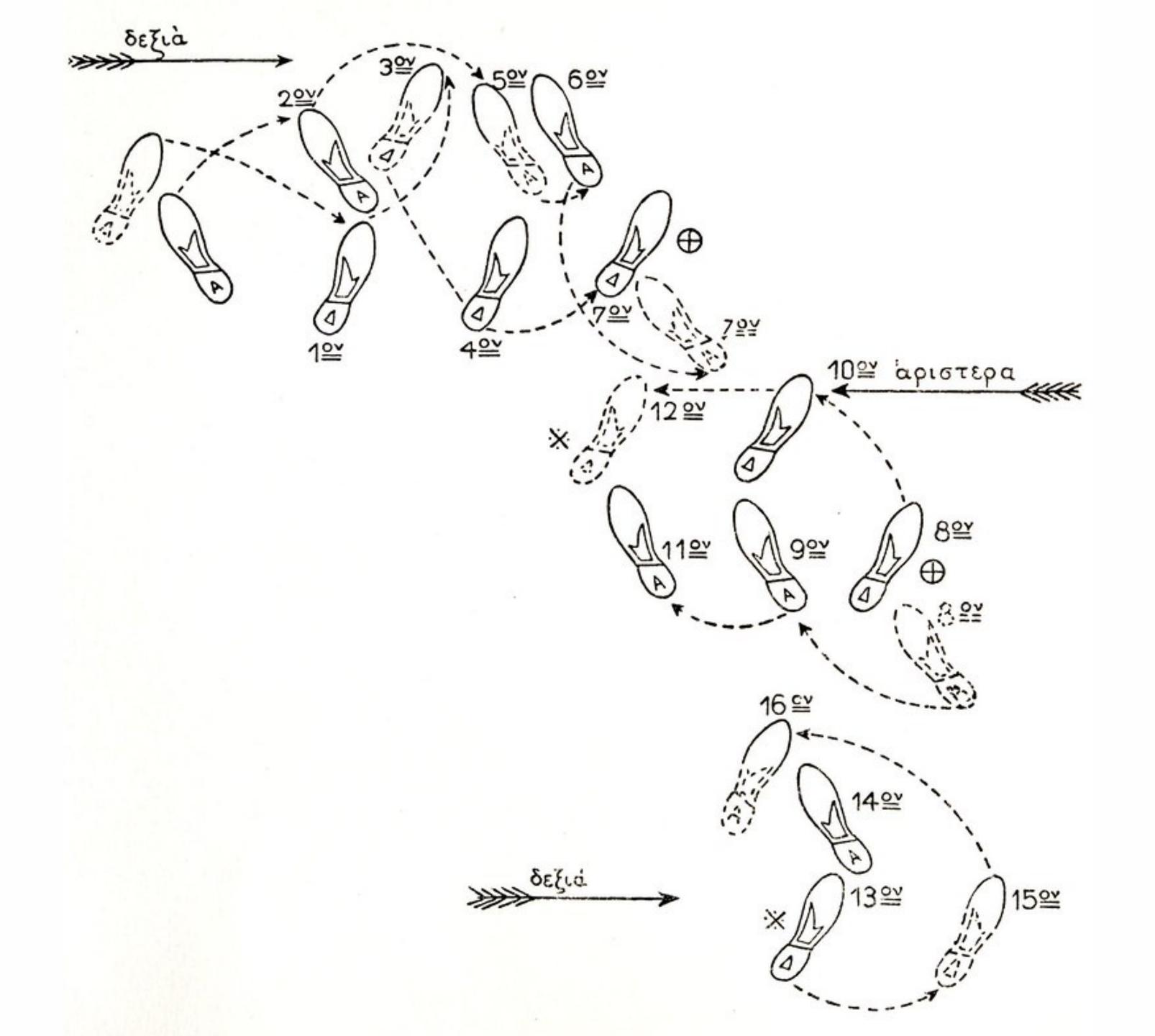


- CROWDSOURCING
- COLLABORATION
- **CO-CREATION**











Designing a Collective Intelligence Exercise

- 1. Define a clear and compelling goal
- 2. Identify participants and eligibility criteria
- 3. Define the tasks the crowd should perform
- 4. Determine appropriate incentives
- 5. Decide on assessment criteria
- 6. Develop a timeline



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Strawberry plants to map European air pollution

There is a citizen science project called AIRbezen that has made its way into Europe. People in six different countries are going to map air pollution in their cities. They are also going to try a find a link between how dirty the air and how much green space there is. This will be done under the guidance of the University of Antwerp in Belgium.





Our languages

Thanks to our volunteer TED Translators, TED Talks are subtitled in over 100 languages.

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32 talks

Amharic

16 talks

Assamese

1 talk

Basque

106 talks

Bislama

Albanian

784 talks

Arabic

7774 talks

Asturian

2 talks

Belarusian

155 talks

Bosnian

107 tolko

Algerian Arabic

19 talks

Armenian

572 talks

Azerbaijani

128 talks

Bengali

129 talks

Bulgarian

✓ New! Activity Feed

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Make a difference. Submit your comments and let your voice be heard.





Certain Medical Care Arrangements

Closing on Aug 10, 2020

Refuge-Specific Regulations; Public Use; Kenai National Wildlife Refuge

Closing on Aug 10, 2020

Meetings: 2020 Dietary Guidelines Advisory Committee

Closing on Aug 13, 2020

Security Bars and Processing

Closing on Aug 10, 2020

FR-6152-P-01 Making Admission or Placement Determinations Based on Sex in Facilities Under Community Planning and...

Closing on Sep 22, 2020

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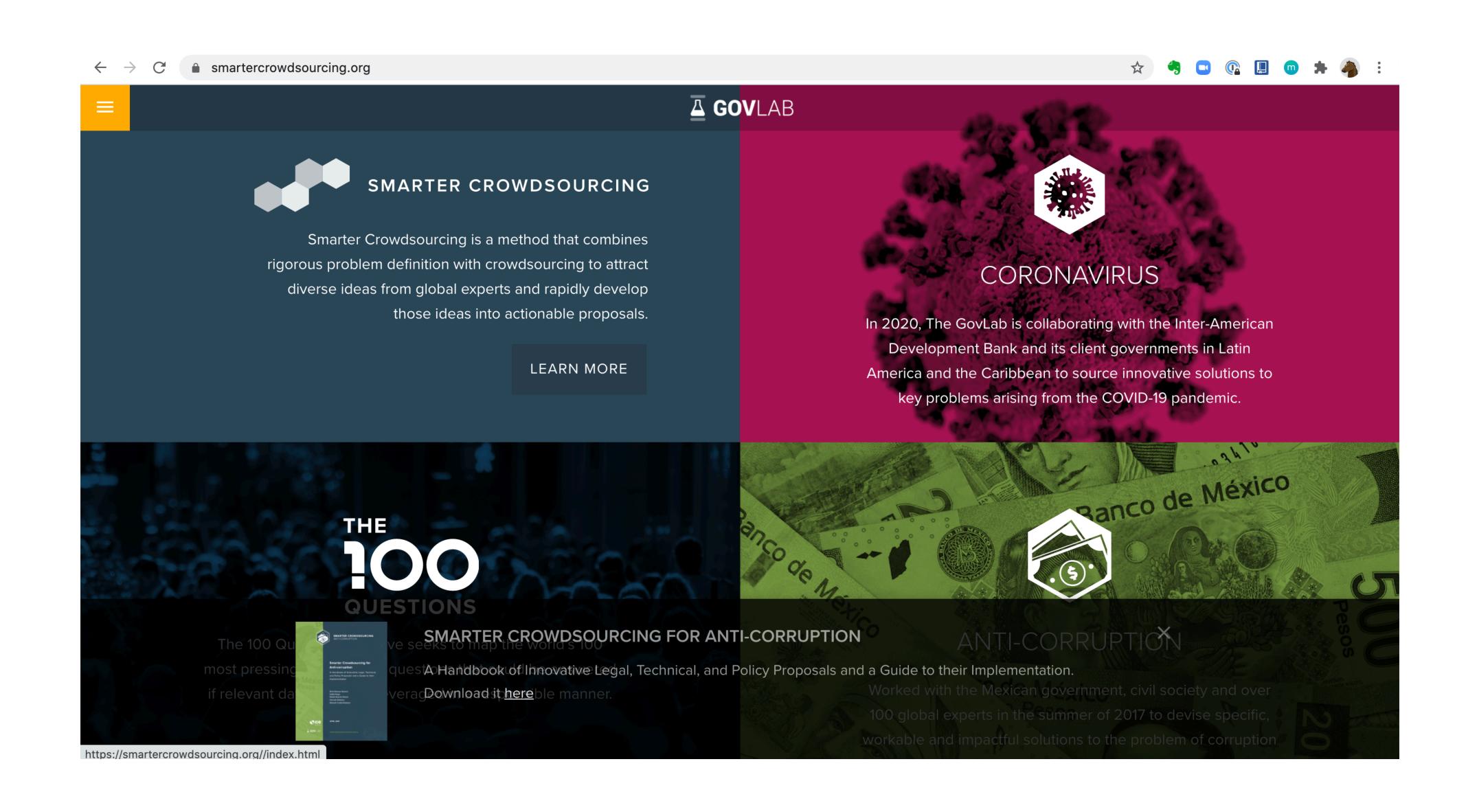
Last 90 Days (5,820)

Visit New Regulations.gov Site

Unable to submit a comment?

APIs for Developers

See how developers are using Regulations.gov APIs!





ROAD

CLOSE





START A PROJECT







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Bundesregierung

Suche

Fragen und Antworten zum Hackathon UpdateDeutschland

Ein Update für Deutschland

Vom 19. bis 21. März findet der Hackathon UpdateDeutschland statt. Die Bundesregierung möchte damit an den Erfolg von #WirVsVirus aus dem letzten Jahr anknüpfen. Lesen Sie hier mehr über das digitale Gemeinschaftsprojekt.







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INCENTIVES

- Knowledge Building
- Skill Development
- Community Building
- Civic Responsibility

- Public Recognition
- Competition
- Making a Difference
- Financial Incentives



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PLANNING

- What needs to be done prior to launch?
- How long the exercise will be open for participation?
- How long the results will take to analyze?
- Who will support the process?
- Who will use the outputs?
- What platform will be used to undertake the activity?



COMMUNICATIONS STRATEGY

- Posting on Social Media
- Engaging Key Stakeholders
- Contacting Partners
- Contacting Publications
- Distributing Information



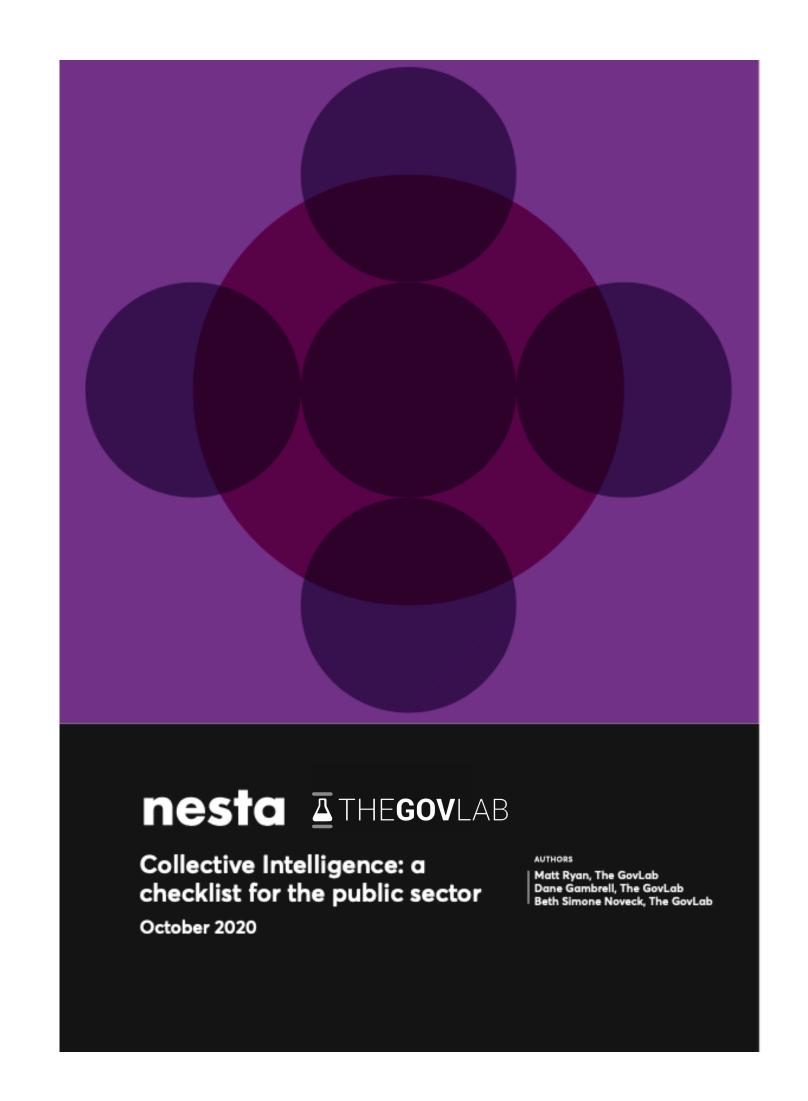
COMMON PITFALLS

- Using collective intelligence at the wrong time
- Not motivating the right audience to participate
- You have the input, but you are not sure what to do with it

CHECKLIST FOR COLLECTIVE INTELLIGENCE INITIATIVES

Nine questions to ask when designing collaboration between crowds and institutions

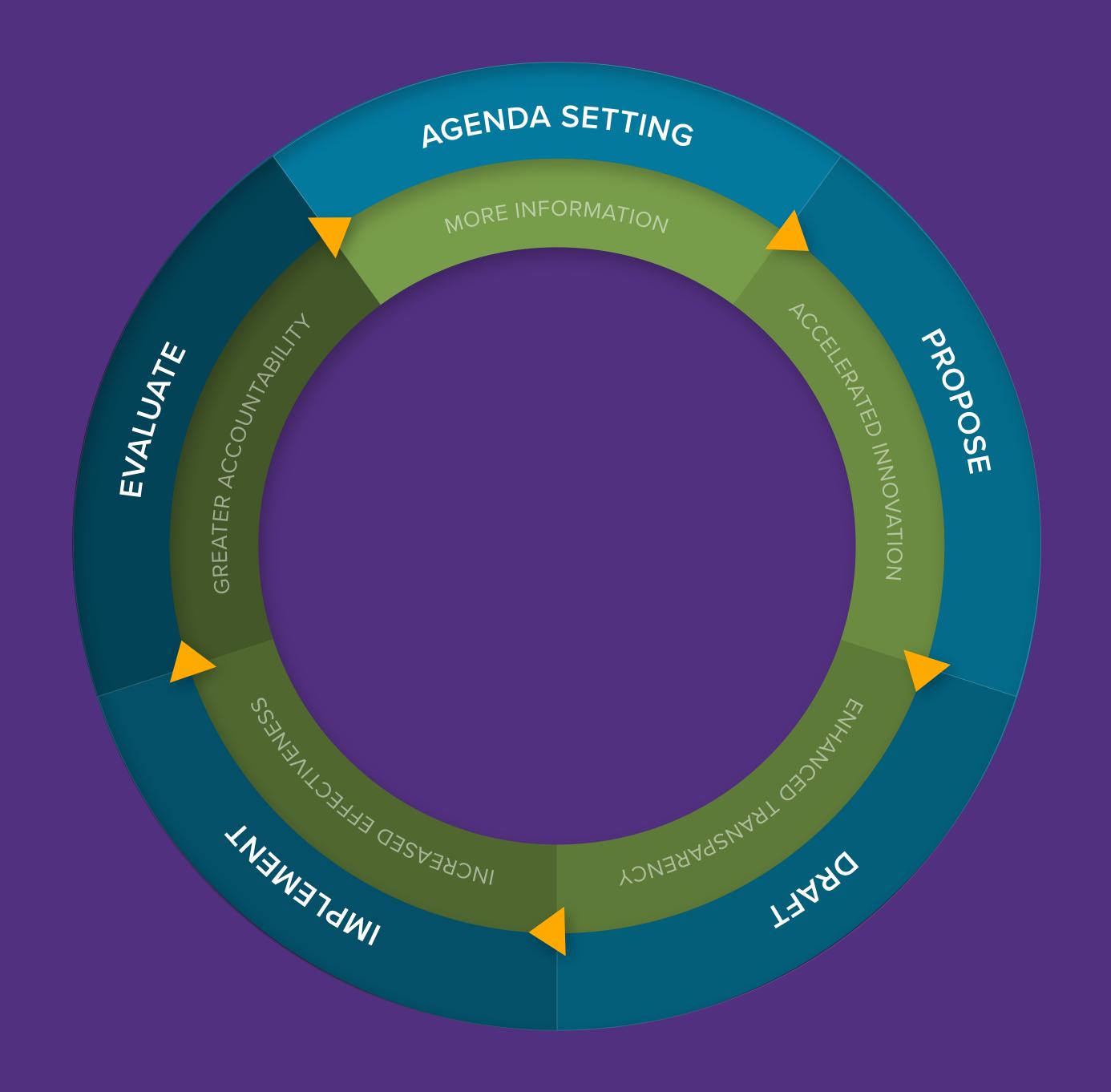
- 1. Can you articulate the project's goals?
- 2. Can you identify the right participants?
- 3. Can you reach the participants you have identified?
- 4. Who is the right owner?
- 5. Can you select the incentives that will encourage participation?
- 6. Can you define the tasks?
- 7. Can you design the workflow?
- 8. Can you evaluate inputs?
- 9. Can you use what the group creates?



#RevoluciónCR/Desafíos (Costa Rica/Monterrey, Mexico)	Carbon-Neutral Helsinki 2035 (Finland)	Finnish Citizens' Initiative (Finland)	Governador Pergunta (Brazil)	New Start Career Network (United States)	synAthina (Greece)
Abre (Chile)	challenge.gov (United States)	Flint Property Portal (United States)	iPaidABribe (India)	PetaBencana (Indonesia)	Syria Tracker (Syria)
Air Louisville/Propeller Health (United States)	Cidade Democratica (Brazil)	Collective Intelligence CASE STUDIES Weignesses After Aft		PulsePoint/GoodSAM (United States/United Kingdom)	Ushahidi (Kenya)
All of Us (United States)	Civic Bridge (United States)			Safecast (Japan)	vTaiwan (Taiwan)
Belgian Sortition Models (Belgium)	Congressional Science Policy Initiative (United States)	Www.thegovlab.org/collective-intelligence.html		Sharing the Roads Safely Citizens' Jury (Australia)	We Europeans (Europe)
Bristol Approach (United Kingdom)	Decidim Helsinki (Finland)	Listening to Africa (Sub- Saharan Africa)	Lakewood Sustainable Neighborhoods (United States)	Smarter Crowdsourcing for Zika (Latin America)	York Neighbourhood Approach (United Kingdom)

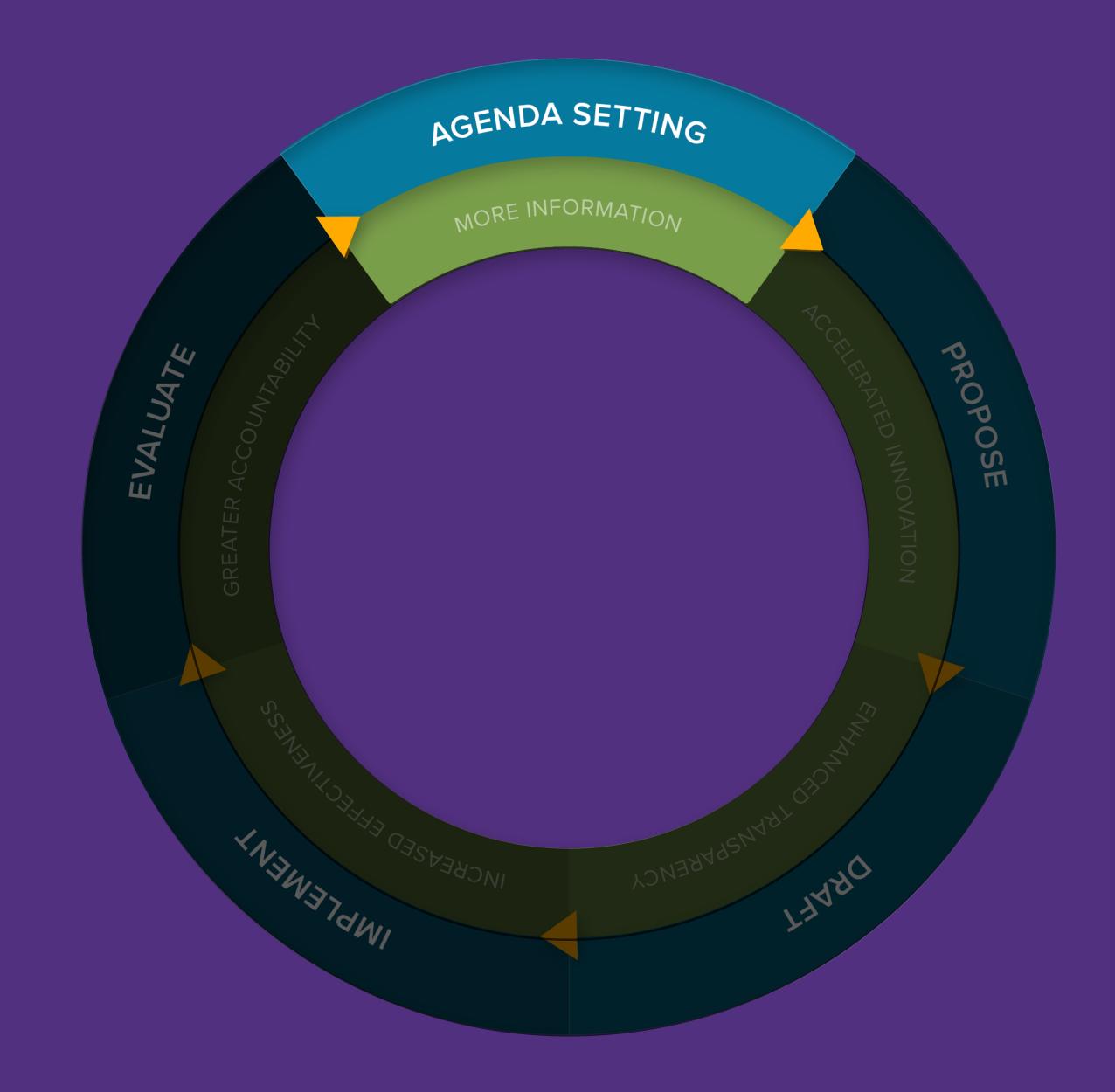
STAGES OF LAWMAKING

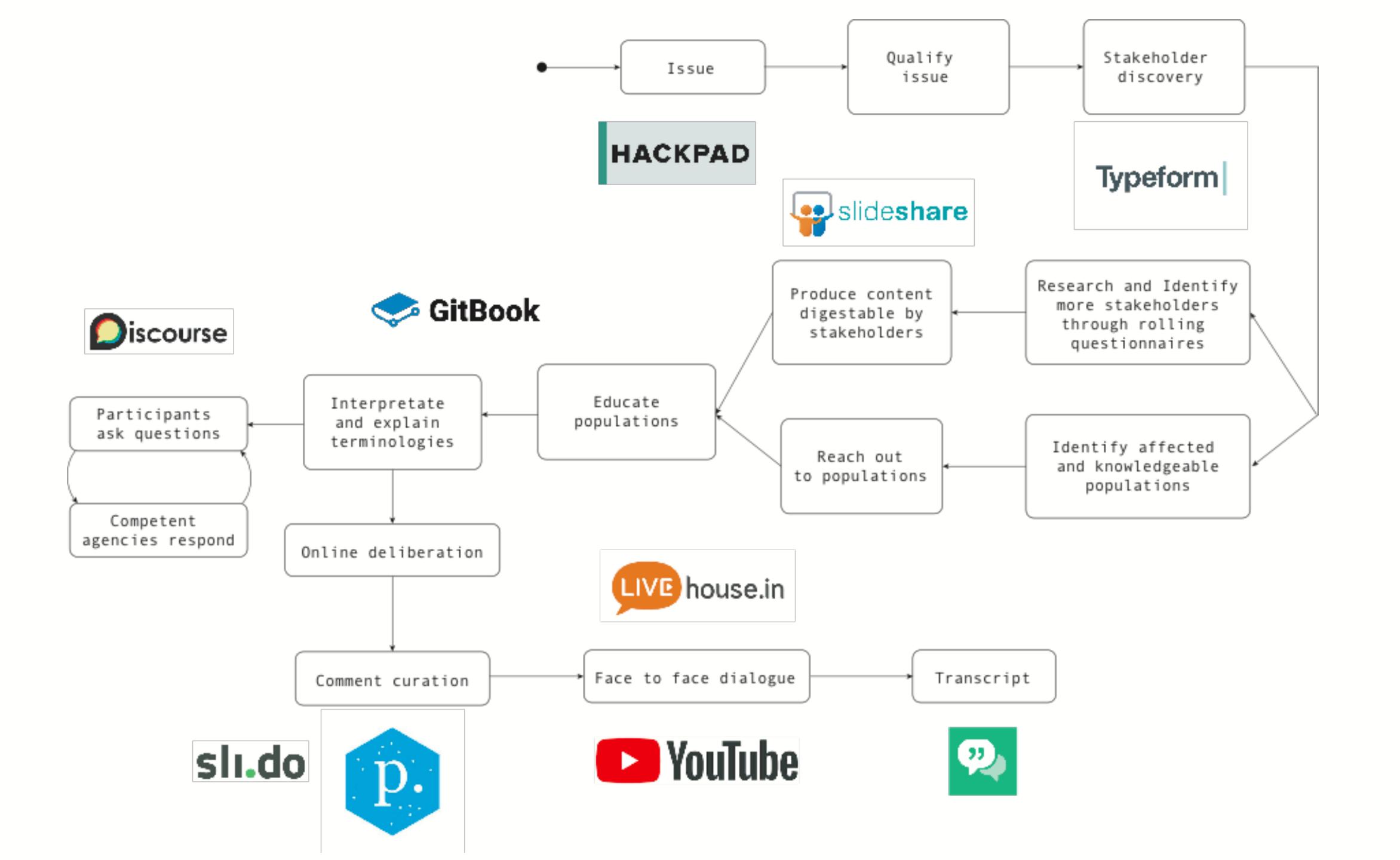
Public has the potential to enhance governance in every legislative phase



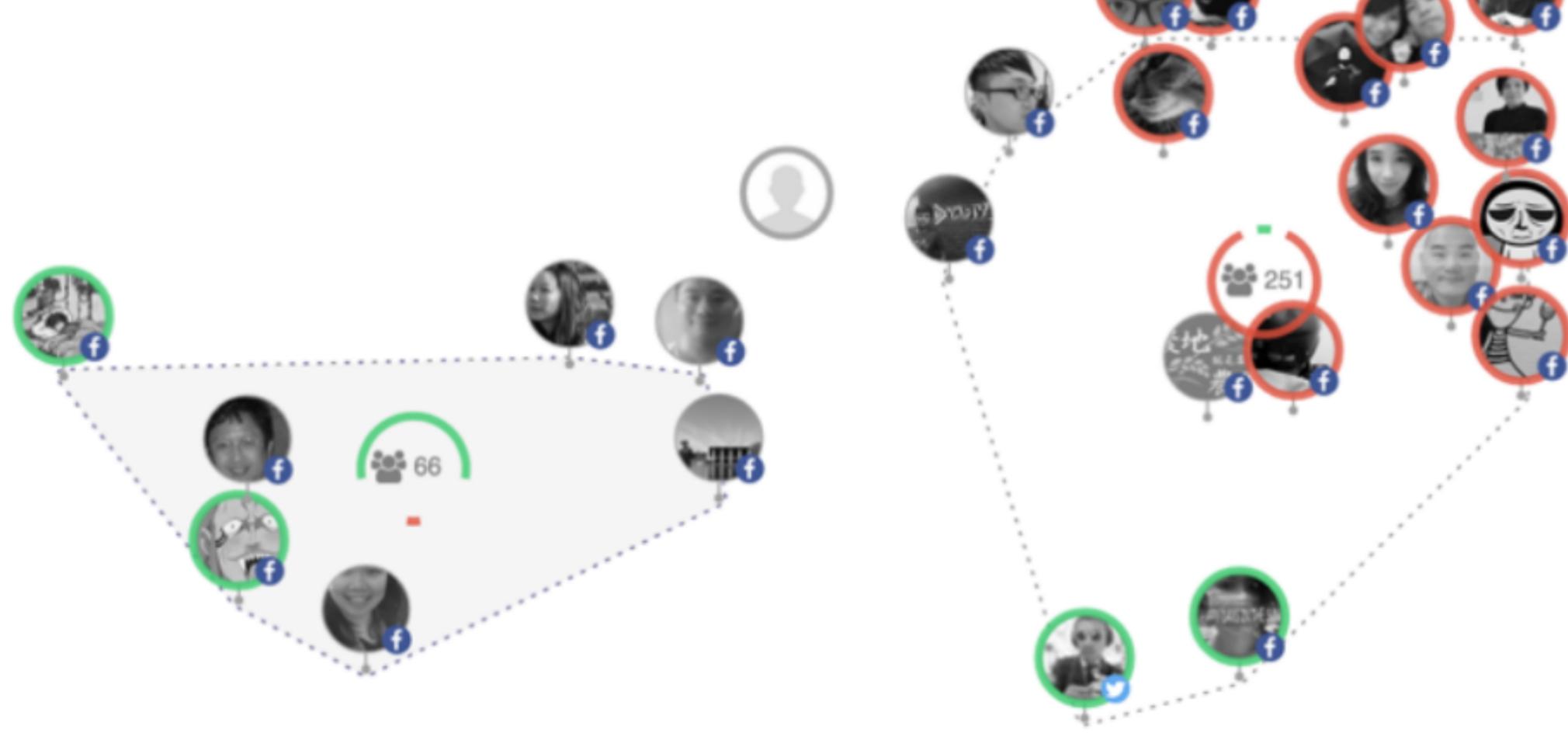
STAGES OF LAWMAKING

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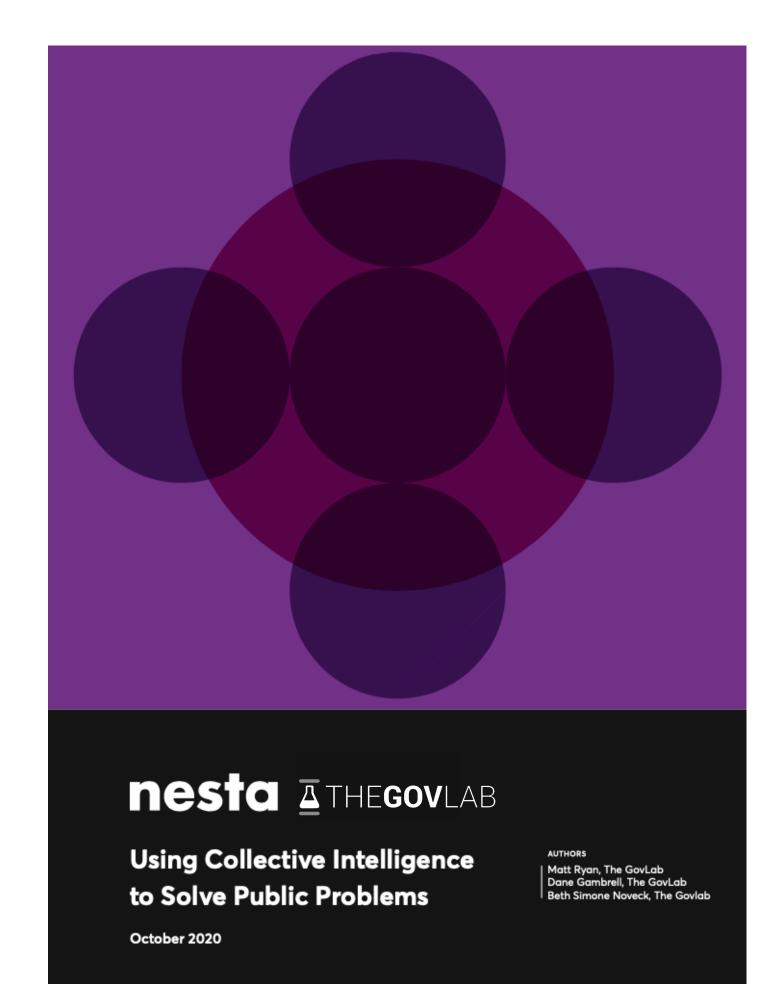






Through problem definition training, increasing connectivity
within and between communities, and driving towards
implementation, the Multi City Challenge enables
committed cities to collectively tackle problems they have
been unable to solve on their own.





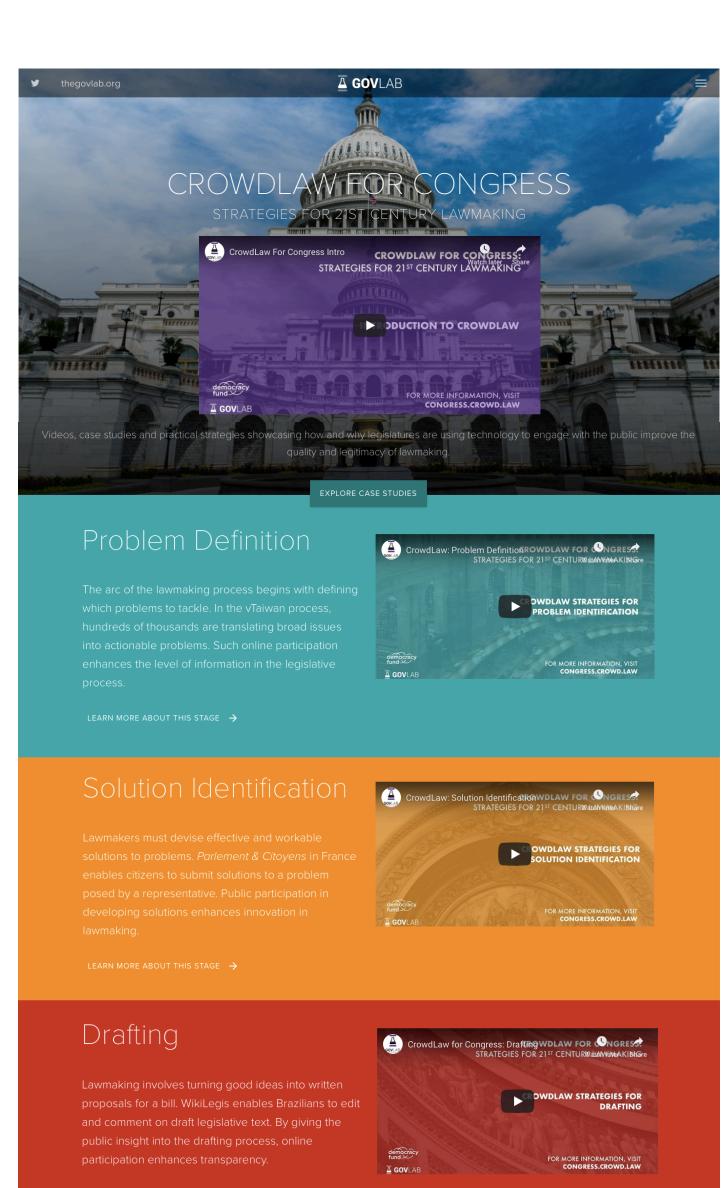
INSTITUTIONALIZING COLLECTIVE INTELLIGENCE

Ten examples of crowd and institution collaboration in practice

CROWDLAW FOR CONGRESS

congress.crowd.law

Videos, case studies and practical strategies showcasing how and why legislatures are using technology to engage with the public improve the quality and legitimacy of lawmaking.



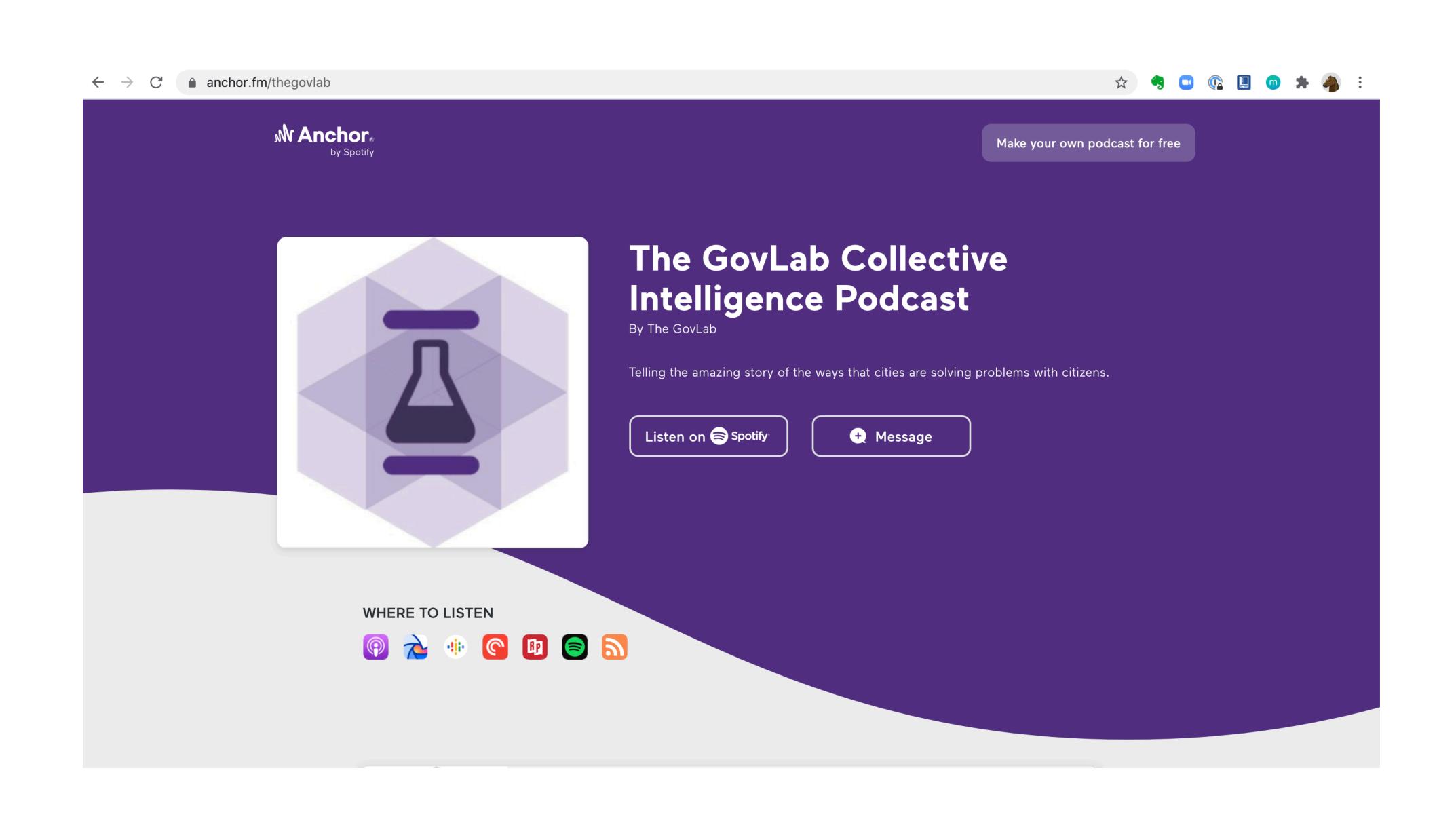
LEARN MORE ABOUT THIS STAGE 🗦

Evaluation and Oversight

Evaluation processes examine how a law is working.

With new technology, a watchful community can





KEY LEARNINGS





Ten Lessons Learned: How to Institutionalize Collective Intelligence



Design for Success

The most successful projects are those where organizers have planned ahead, can articulate a concrete and specific task, involve the right people, and, above all, use what they learn.



Use Open Source Tools

Use of open source software enables projects to learn, evolve, develop tailored designs, and refine them based on citizens' feedback.



Solving a Problem, Transforming an Institution

The projects that live longest combine a concrete and specific task with a broader mission to transform institutional who wish to solve public problems. cultures and their way of working from closed to open.



Tap Existing Passions and Interests

can tap the enthusiasm and skills of people, both leaders and participants,



Provide Training to Participants

Projects that address a strongly felt need Many civil servants and citizens are keen to help solve problems, but often lack the know-how. Training can amplify participants' impact and make them more likely to stay involved.



Secure Robust and Predictable Funding

Collective intelligence projects can benefit from diverse, changing, and often unexpected sources of funding.



Test, Adapt, and Test Again

As problems shift, collective intelligence projects need to continuously test new approaches, and adapt to meet emerging challenges and remain relevant in the public eye.



Resource Availability

Scarcity of time and money in public institutions can hamper their ability to collaborate with crowds, yet engaging crowds can be an efficient way of using public resources to solve problems.



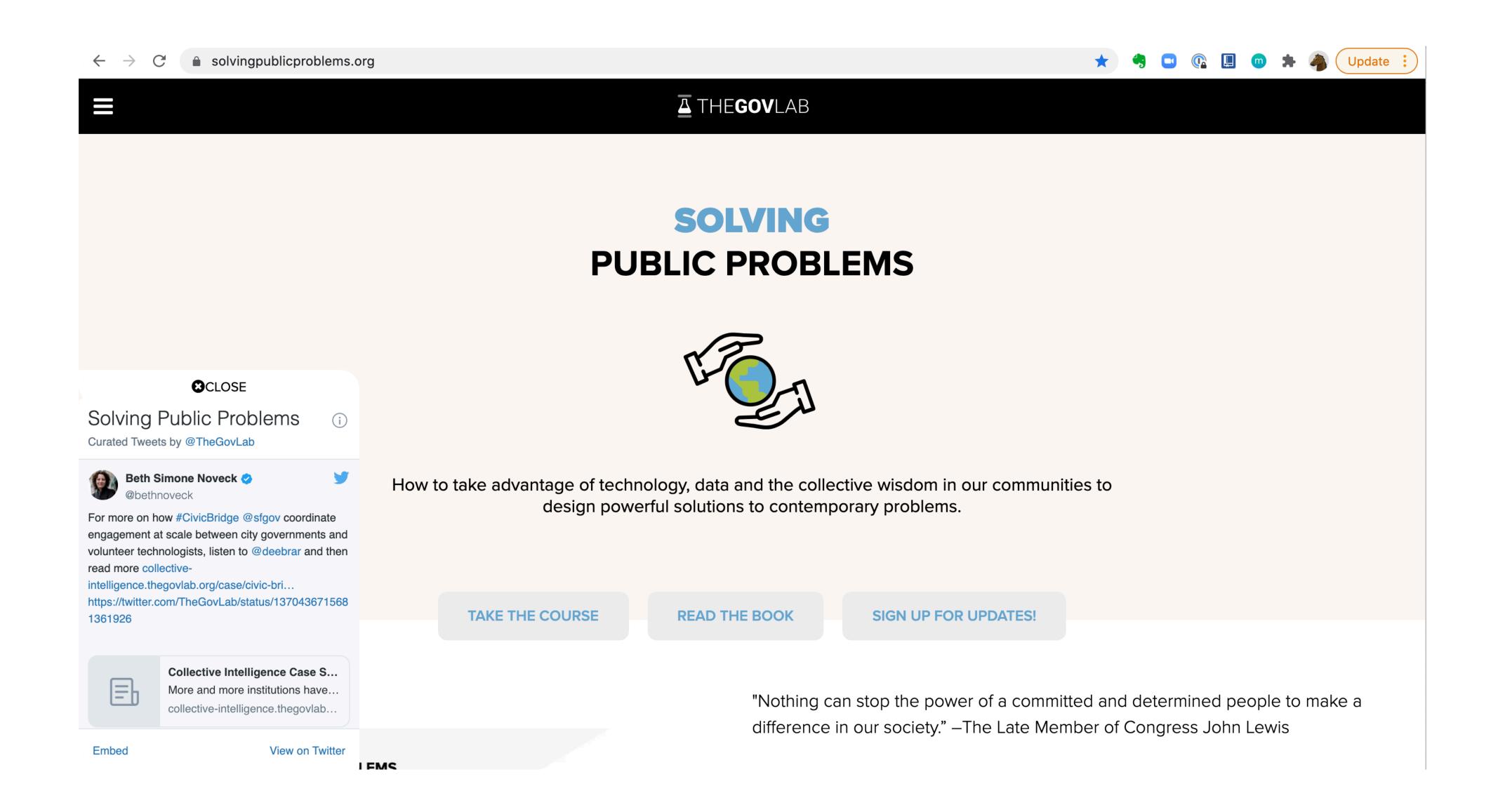
Organizational Culture

Fostering a culture of transparency can help a public organization to communicate information internally and to the public, and to show that the government is listening.



Political Support

The most successful collaborations between crowds and institutions are strengthened by public champions within the institution, and political support outside it.





PROBLEM DEFINITION



DATA-ANALYTICAL THINKING



HUMAN-CENTERED DESIGN



COLLECTIVE INTELLIGENCE



RAPID EVIDENCE REVIEW



POWERFUL PARTNERSHIPS



MEASURING WHAT WORKS