Crowdsourcing in Policymaking: Value, Challenges and Motives

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I Definition II Value & Challenges III Motives

Crowdsourcing is a mechanism for knowledge search, with an open call online for the crowd to perform a task. The locus of power is within the crowdsourcer.

Vs. commons-based peer production (Benkler, 2002)

The Finnish Experiment: Crowdsourced off-road traffic law



Off-Road Traffic Act December, 22, 1995

Chapter 1 General Provisions

Section 1 Aim of the Act

The aim of this Act is to prevent any harm to wildlife, the overall environment, indigenous livelihoods, general recreation activities or to other public or private interests arising from the use of motor vehicles in off-road terrain or on a snowmobile route, and to promote traffic safety.

In addition, what is provided elsewhere in the law shall be observed in order to prevent said harm and to promote traffic safety.

Section 2
Restriction of the scope of application

This Act shall apply to the use of a motor vehicle in offroad terrain and on a snowmobile route.

This Act shall not apply to aircraft, shine or boots

- official functions other than those mentioned in subparagraph 1, or for maintenance of power or telecommunications equipment and moving or working in terrain covered by snow for the above purposes or, for very pressing reasons, moving or working in terrain free from snow for the above purposes;
- tasks involved with reindeer herding in an area referred to in the Reindeer Husbandry Act (848/90) or in the immediate vicinity of such an area while the terrain is covered by snow, or to perform necessary duties involved with reindeer herding in terrain free from snow;
- driving a snowmobile by a person engaged in fishing, when the fishing forms a significant part of his or her livelihood, in terrain is covered by snow;
- moving necessary to perform service and repair work on machines used in professional forestry when the terrain is covered by snow;
- in difficult road conditions, the essential transportation of persons permanently residing in a remote location;
- the essential transport in off-road terrain of severely handicapped persons and their escorts; or
- 8) the halting or parking of a motor vehicle outside an urban development in the close vicinity of a road, should safe parking so require and if no unreasonable inconvenience to the owner or holder of the land arises. Anyone shall have the right to passage on ice-covered
- Protect nature from the harm caused by off-road traffic
- Ensure safety in off-road traffic

In press

Ympäristöministeri Niinistö kertoo, Maastoliikennelaki kirvoitti maastoliikennelaki joukkoistetaan

21/01/2013 | Add Comment

ireillä ministeriöissä





kansalaisten ja hallinnon yhteiseksi verkossa toteutettavaksi prosessiksi

eripuran sijaan ajatustenvaihtoa



KOTIMAA | Turun Sanomat 4.8.2013 07:11

 Tämä on lainsäädännössä paras idea pitkään aikaan, sanoo rovaniemeläinen Mikko Vanhatapio.

Moottoriharrastaja ja safariopas iloitsee siitä, että tavalliset kansalaiset ovat saaneet ensi kertaa sanoa, mitä mieltä ovat maastoliikennelaista. Vanhatapio on sitä mieltä, että moottorikelkkareitit pitäisi avata mönkijöille siltä osin kuin niistä ei ole kohtuutonta haittaa. Hänen mukaansa laillisten ajopaikkojen puute johtaa laittomaan ajeluun.

 Jos valtion mailla on keskellä metsää jängällä mönkijän ura, en ymmärrä miksi se haittaisi ketään. Vanhatapio toteaa.

Crowdsourced law-making

Maastoliikennelaista.

★Koti | Keskustelunaiheita | Ihmetteletkö tätä? | Yhteystiedot

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II LI	Ca	Hell	n.u

Hae

Tervetuloa Joukkoistamista Suomessa -yhteisöön!

Tervetuloa keskustelemaan maastoliikenteestä ja sitä säätelevästä maastoliikennelaista.

Mistä on kysymys?

Mitä nyt tapahtuu?

Miten tämä toimii?



Mistä on kysymys?

Ympäristöministeriö uudistaa maastoliikennelakia ja haluaa siksi kuulla mahdollisimman laajasti näkemyksiä asiasta. Maastoliikenteellä tarkoitetaan mm. moottorikelkkailua ja mönkijälläajoa luonnossa. Laki säätelee esimerkiksi sitä, missä moottorikelkalla saa ajaa ja kuinka kelkkareittejä perustetaan. Lisää maastoliikenteestä ja nykyisestä laista voit lukea maastoliikennelaki-sivustolla.

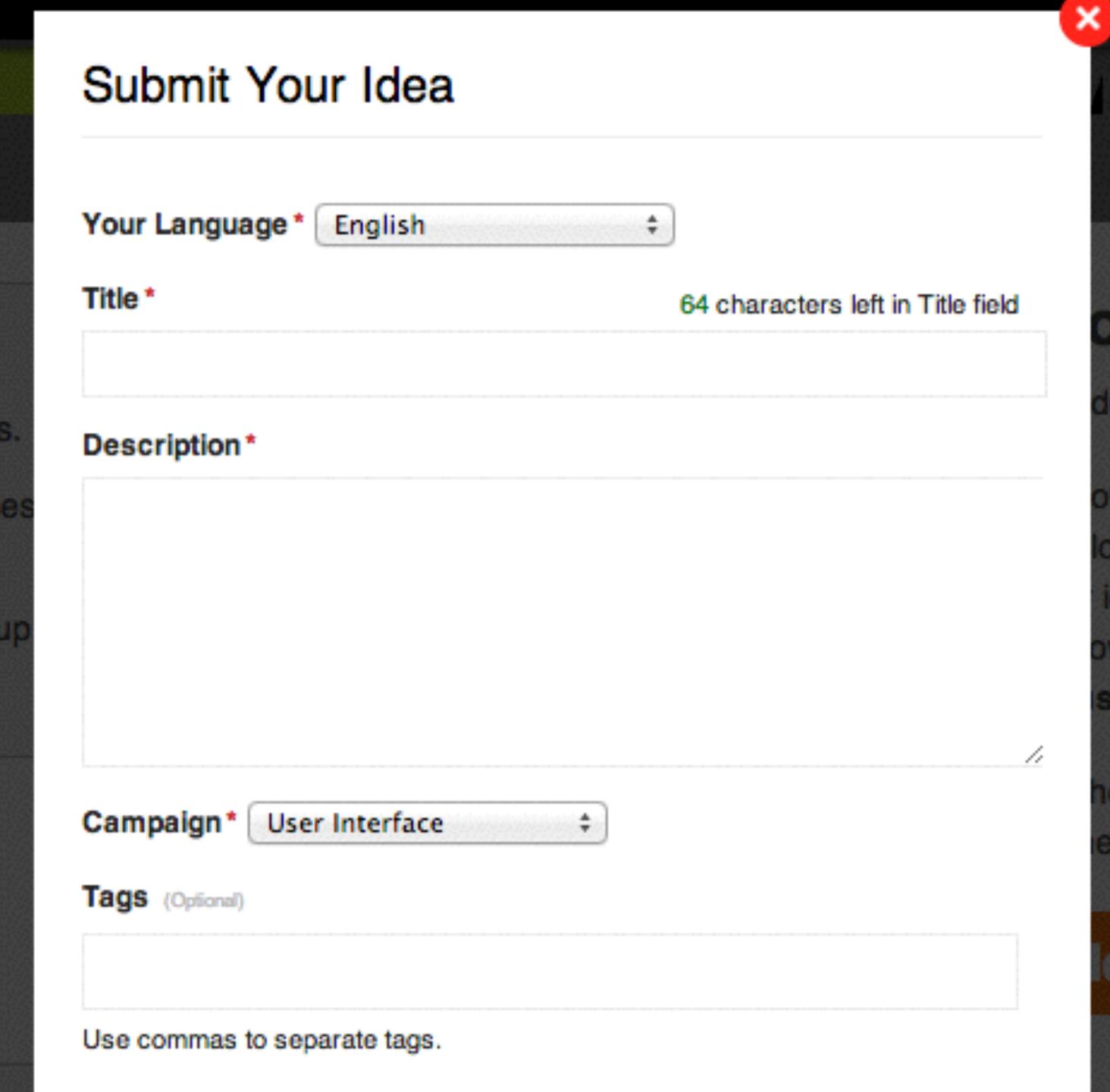
Vaikuta!

Pyydämme sinua osallistumaan jakamalla tietoasi, kokemuksiasi ja näkemyksiäsi maastoliikenteestä. Valitse keskustelunaihe sivun vasemmasta laidasta <u>Aktiiviset keskustelut'-valikosta</u>. Lähetä ajatuksesi klikkaamalla keltaista **'Lähetä uusi idea' -nappulaa.** Voit myös esittää kysymyksiä maastoliikenteestä ja sitä säätelevästä laista.

1. vaihe: Keskustelu 2. vaihe: Koonti ja palaute 3. vaihe: Jatkokeskustelu 4. vaihe: Koonti ja palaute Submit a your idea about how to improve off-road traffic law, or a problem in the law

Categories:

- Safety
- Protecting the nature
- Age limits for driving
- etc.

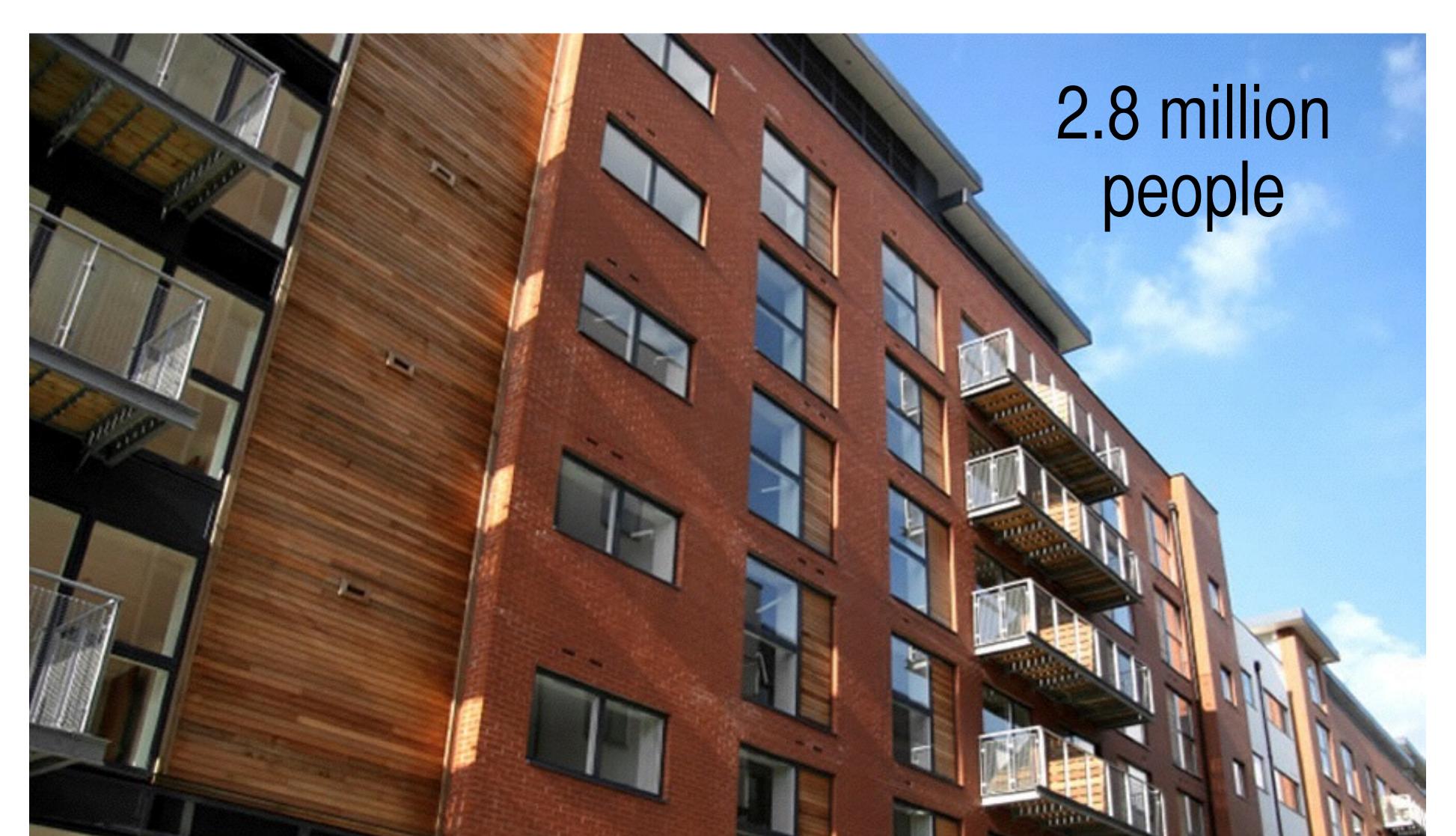


Ideas

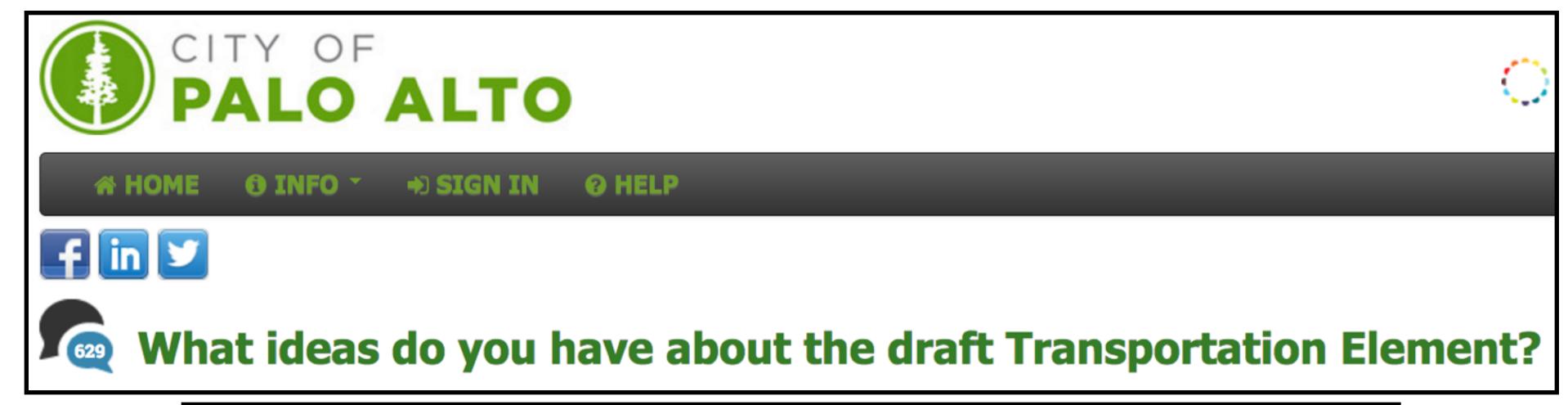


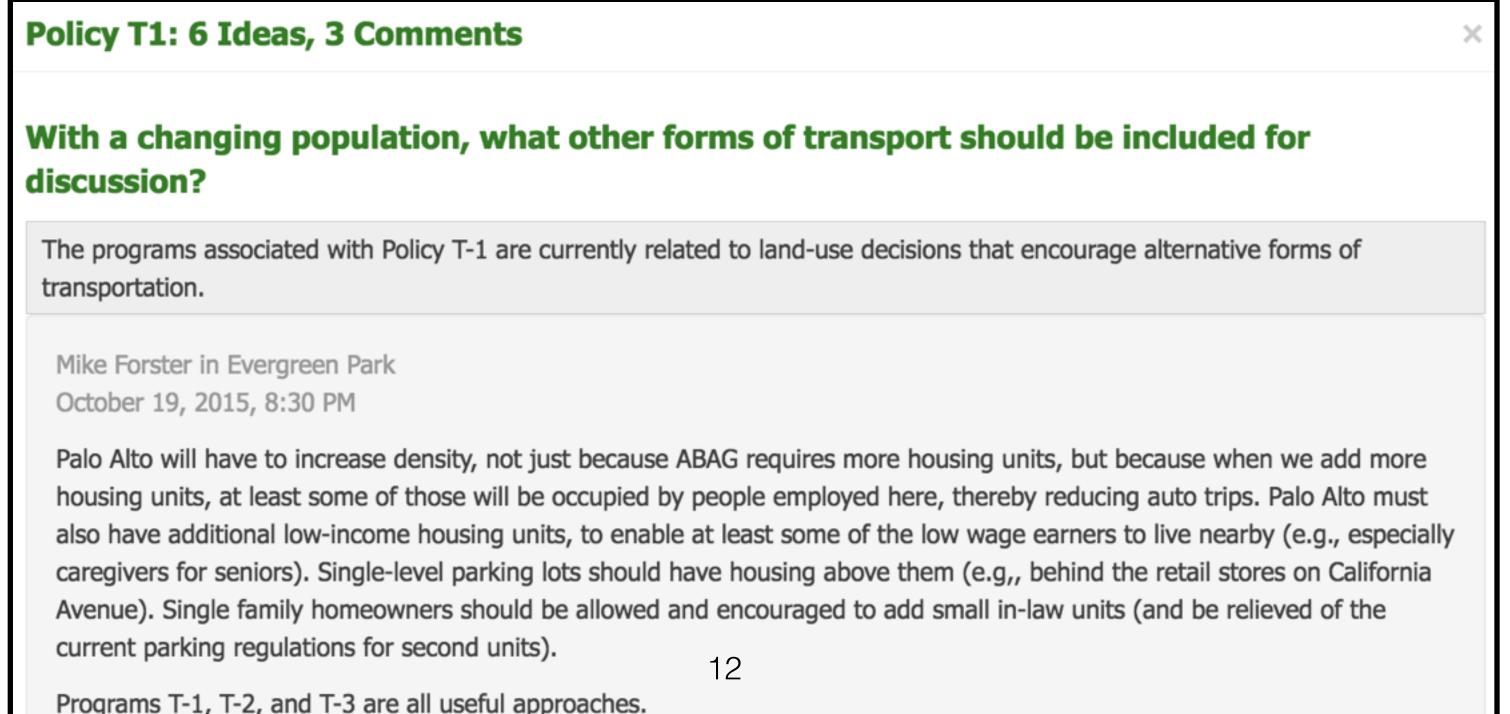
Limited Liability Housing Company Law

Condominium Association Law

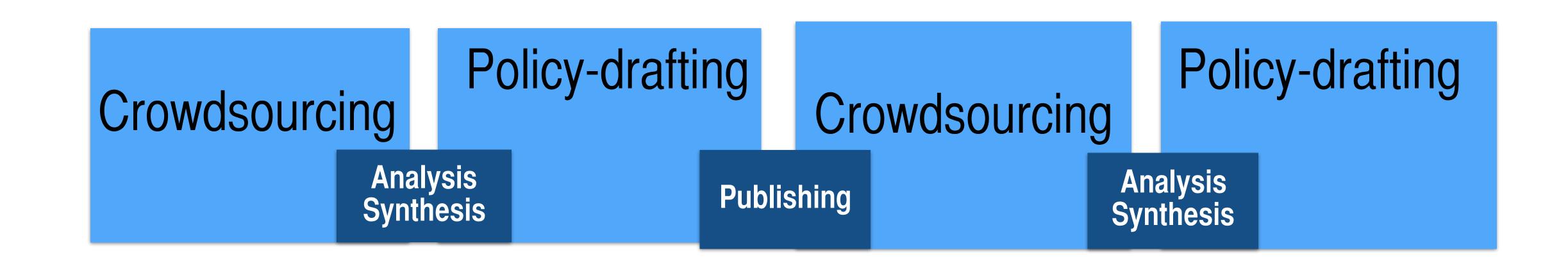


Palo Alto, California: Crowdsourced urban planning strategy

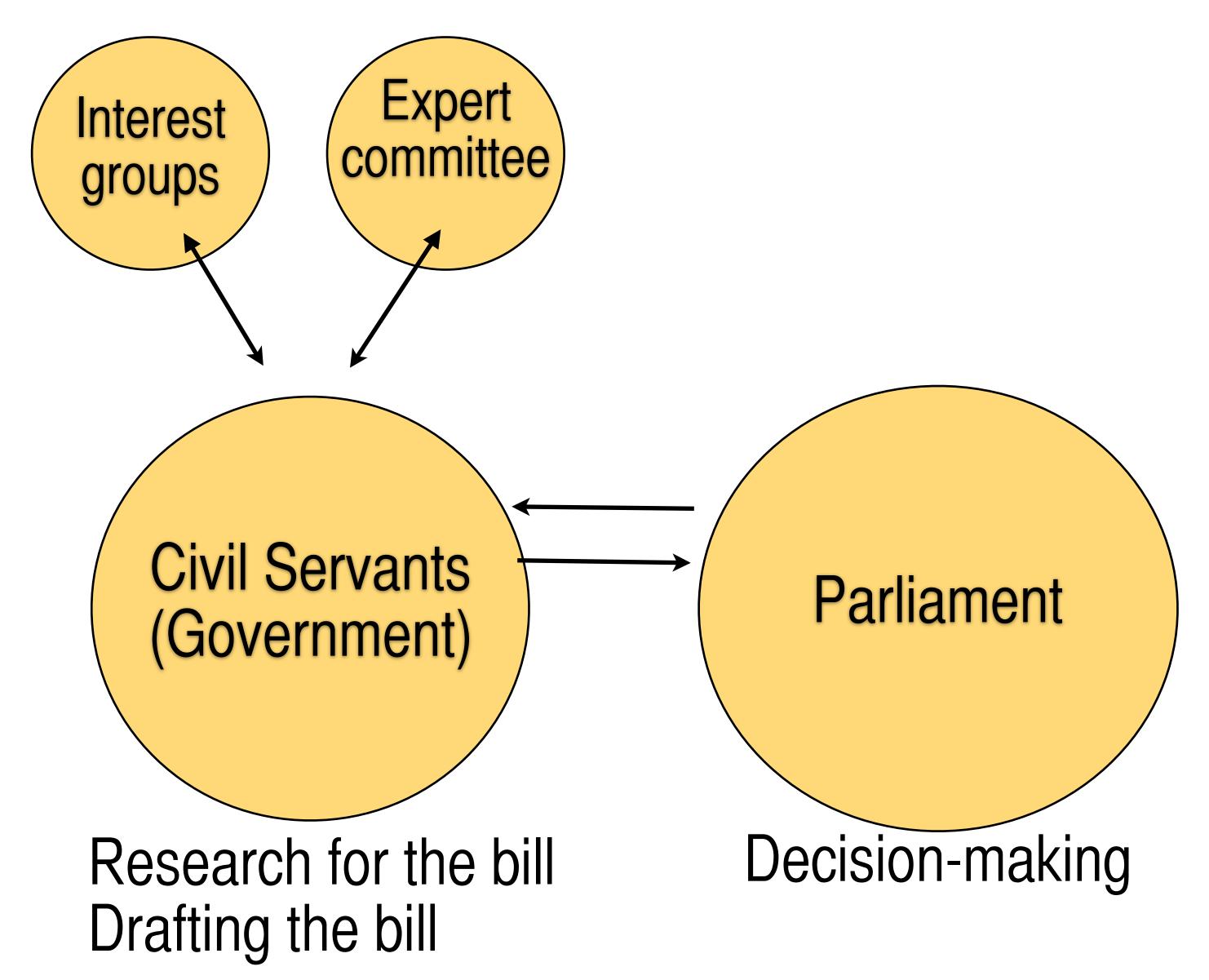




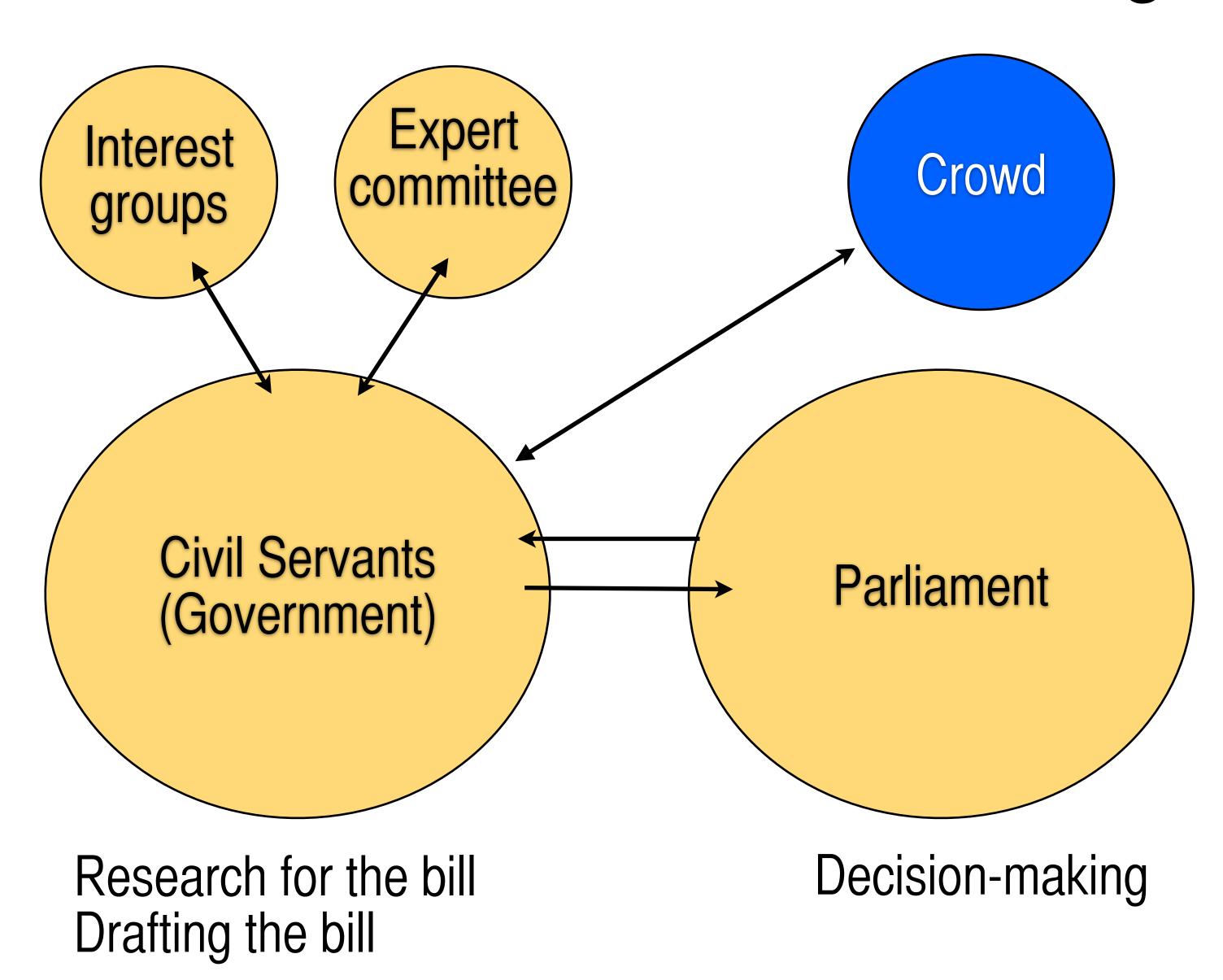
Process stages

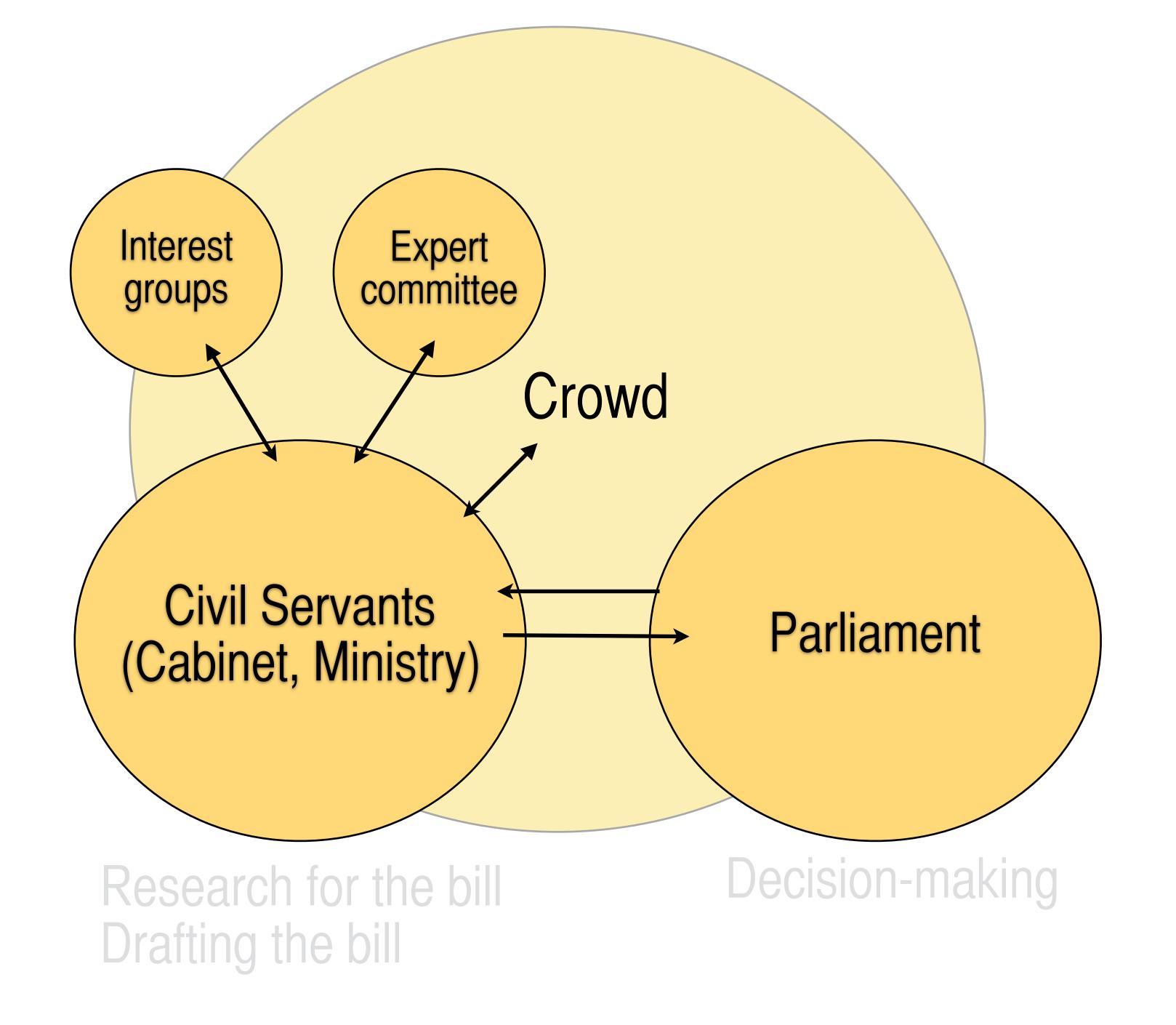


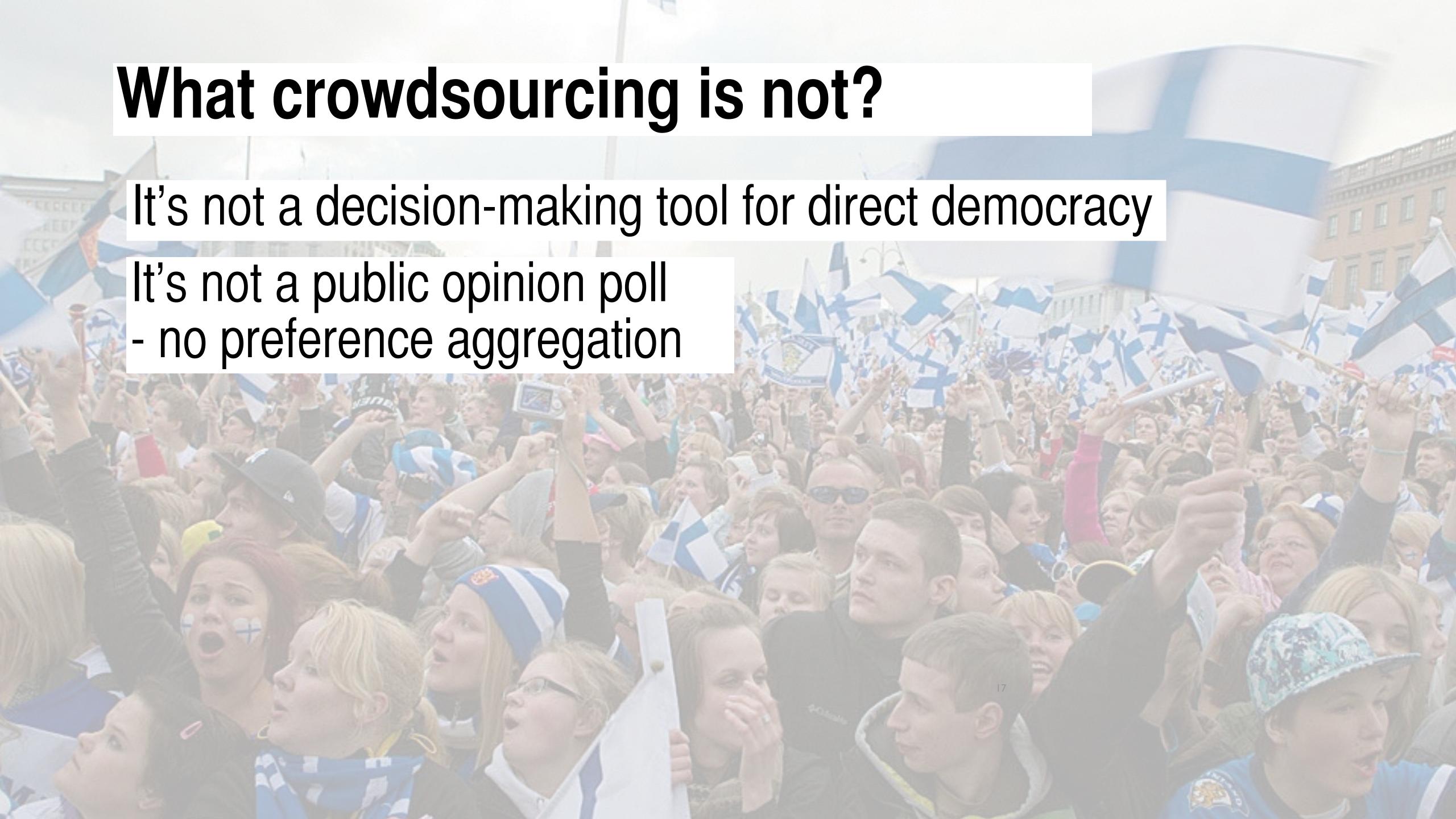
Typical law-making process



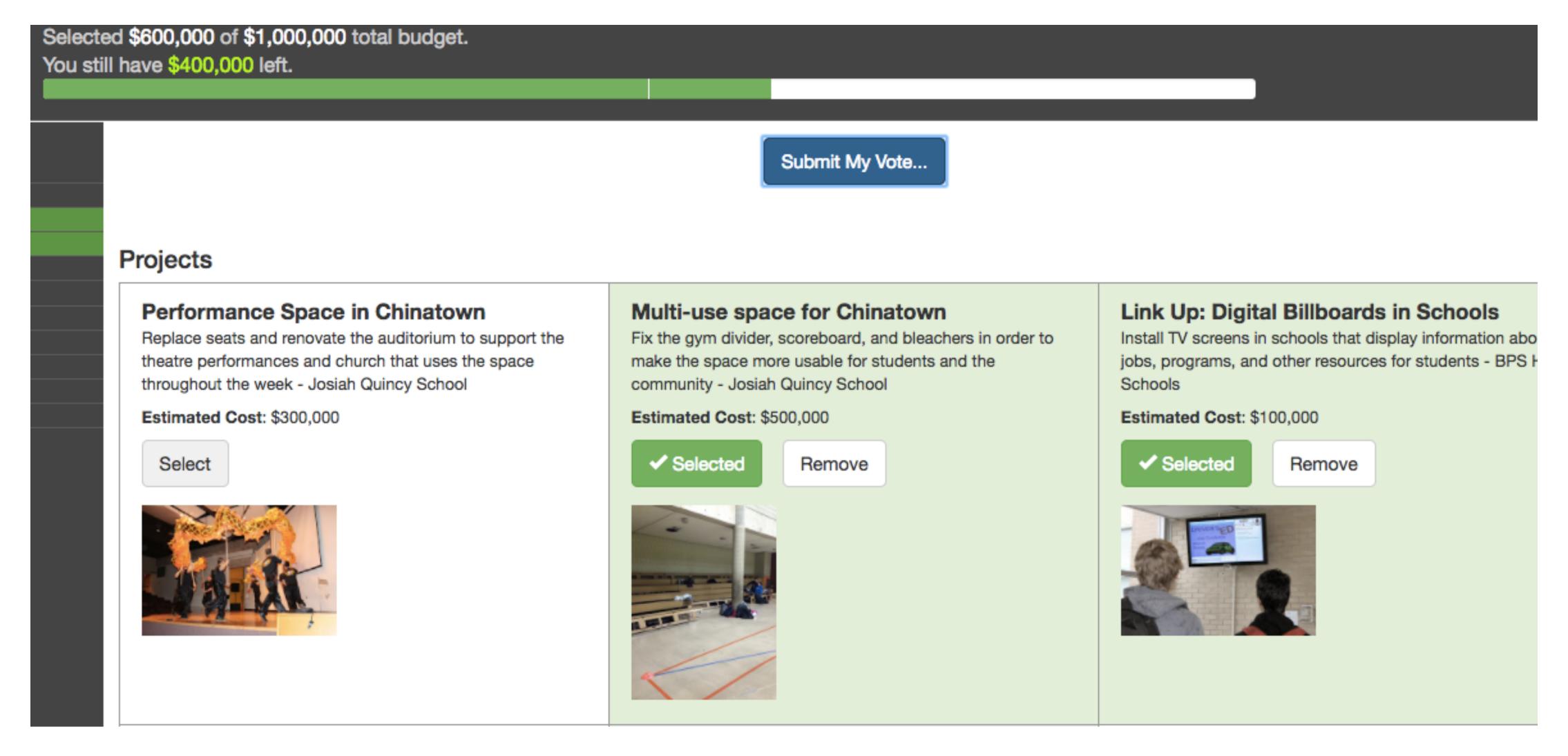
Crowdsourced law-making







Participatory budgeting = Direct democracy



https://voxpopuli.stanford.edu/

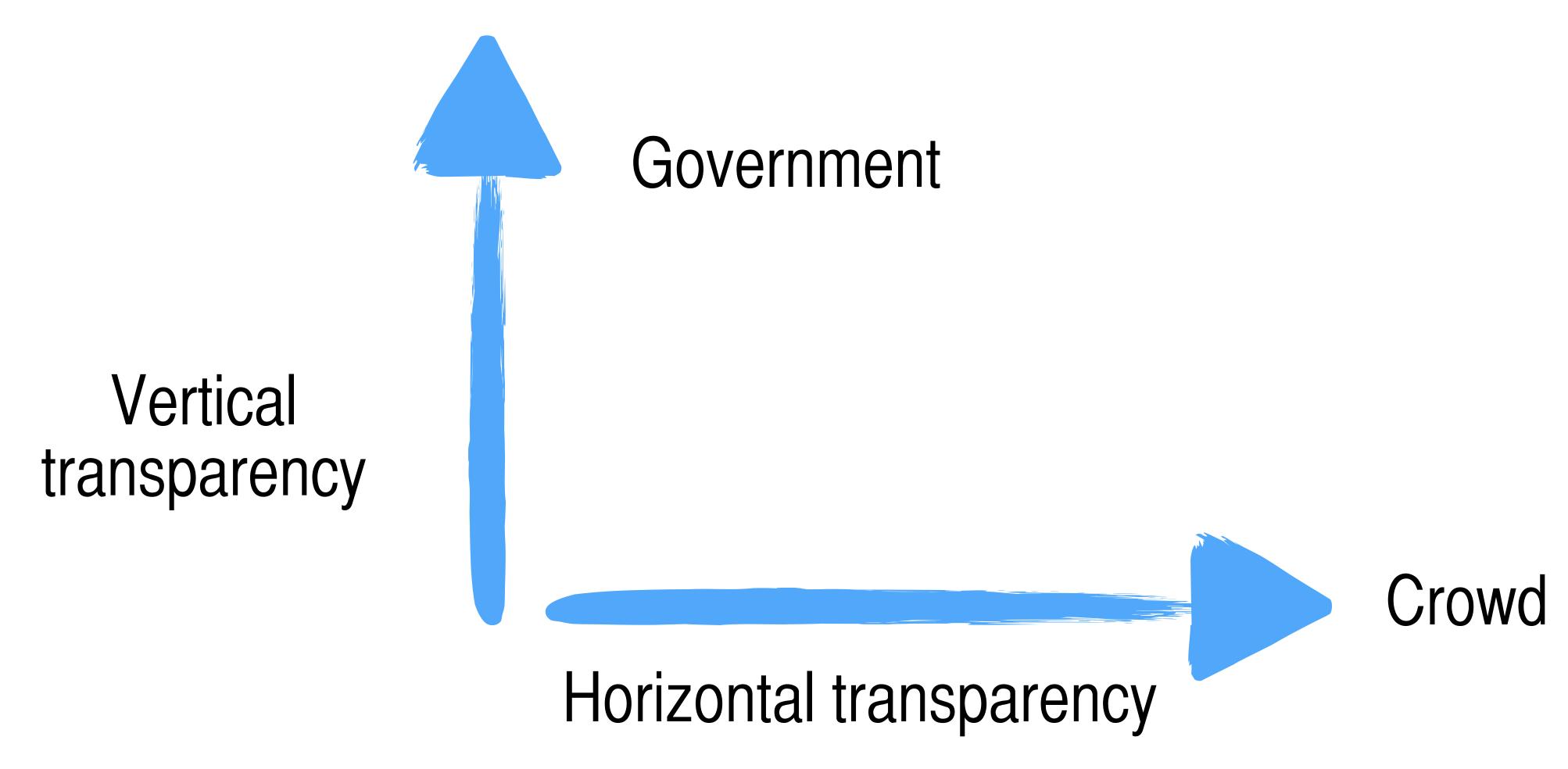
Value in crowdsourced policymaking

I Democratic value
II Epistemic value
III Economic value

Democratic value

I Transparency
II Accountability
III Deliberation
IV Empowerment

I+II Transparency & Accountability

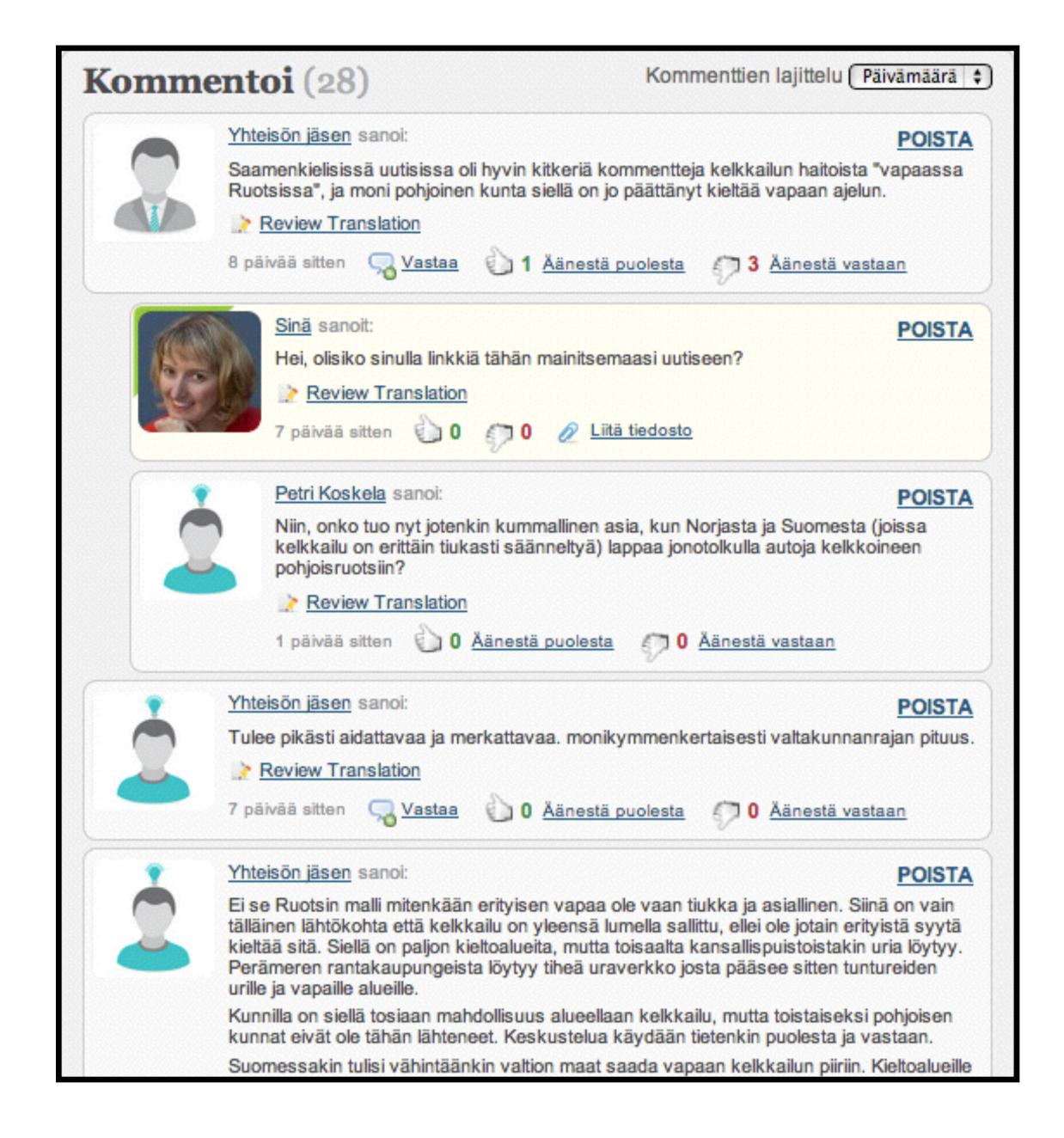


Aitamurto, Landemore & Galli, 2016. Unmasking the Crowd: Participants' Motivation Factors, Expectations, and Profile in a Crowdsourced Law Reform. *Information, Communication & Society*

III Deliberation

- Peer-learning
- Quality of deliberation:
 Meets partially the threshold set by deliberative democrats

(Aitamurto and Saldivar, 2017, CHI '17)



IV Citizen empowerment

"This is actually the first time in my lifetime when I feel that I'm really participating in making democracy and influencing decision-making in this society. It feels much more real than just voting for some person."

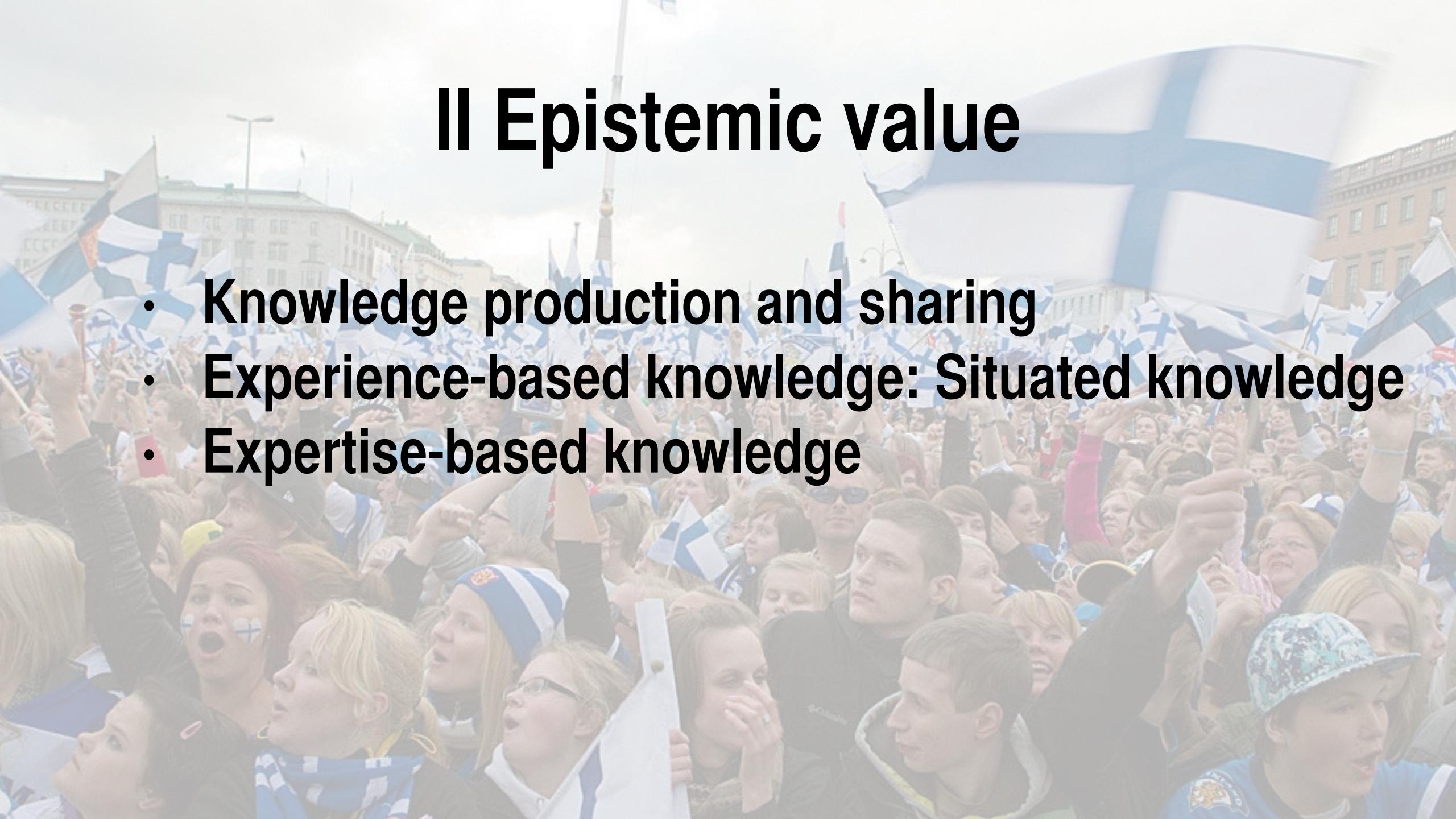
—> the feeling of empowerment





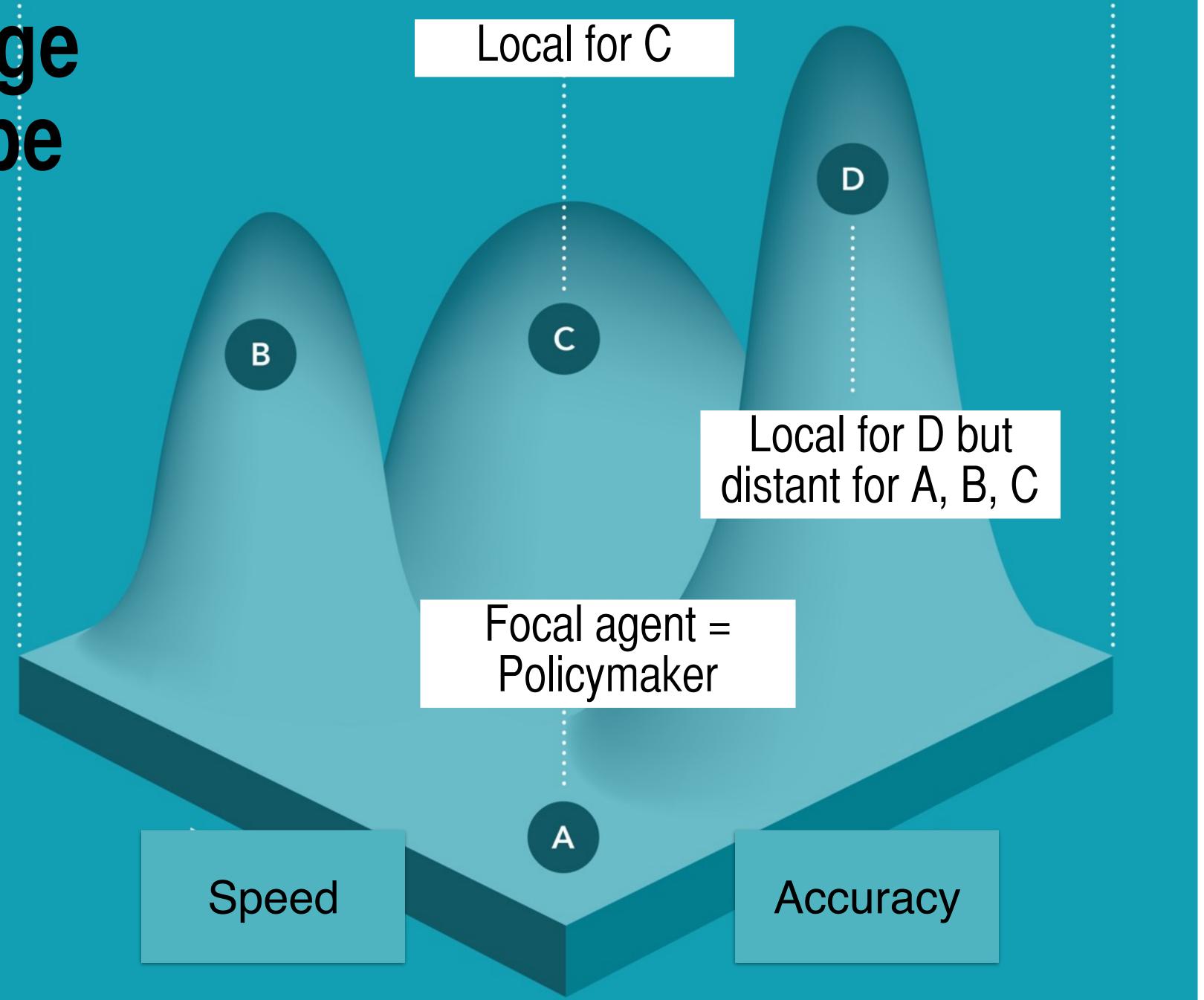
"The only way to make a difference from out here in the country is really online. All other activity means you have to drive around in your car all evening, to get somewhere. It's.. pretty impossible."

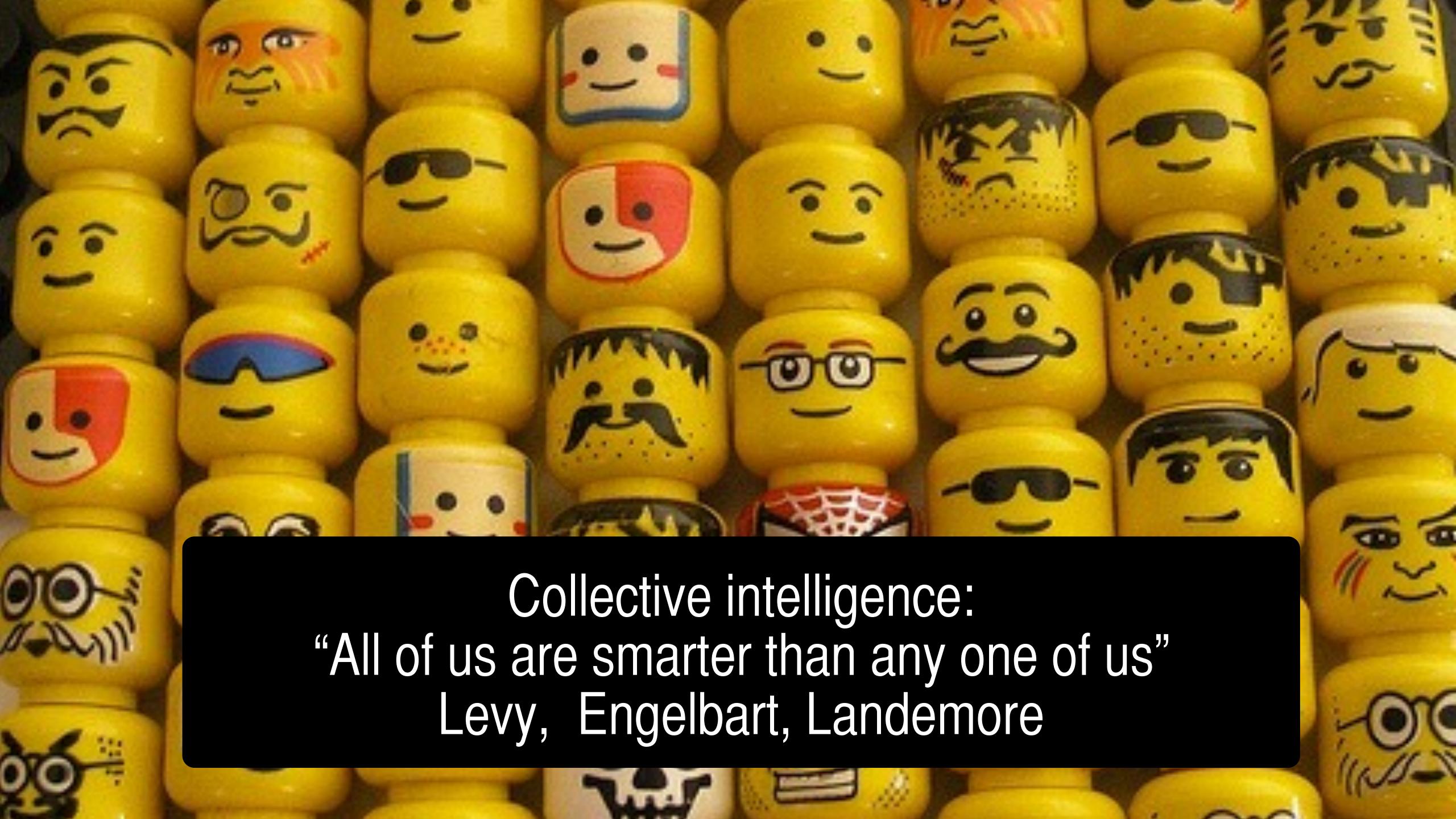
- --> Access to policymaking
- —> Physically and mentally closer to policy-making



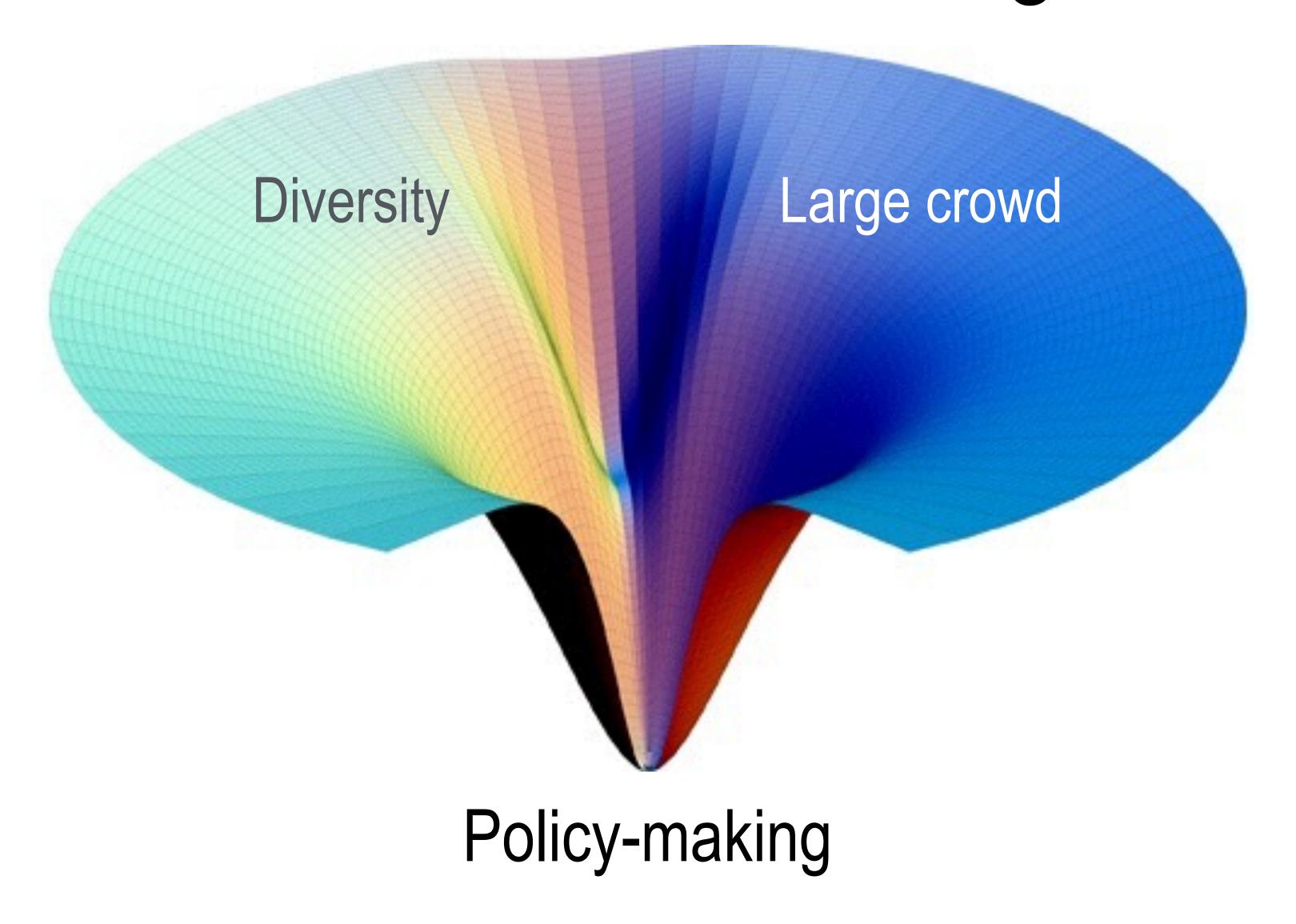


Knowledge landscape





Virtues of collective intelligence





- Accessing citizens' needs in fast and efficient manner
 —> Harnessing crowd capital (Prpic & Shukla, 2013)
- More efficient service delivery
- · Stronger commitment to decisions

InnoCentive: Crowdsourced innovations



New Elastomer Material for a Spray Can Gasket

TAGS: Engineering/Design, Chemistry, Physical Sciences, Requests for Partners and Suppliers, RTP

AWARD: \$40,000 USD | DEADLINE: 6/24/15 | ACTIVE SOLVERS: 93 | POSTED: 3/26/15

Spray cans are used for the direct application of a wide variety of substances including sunscreen, insect repellent, deodorant, and topical medications. The shelf life of the product is correlated to the leak rate of the materials within the pressurized canister. Chemical reactions may occur when the contents come in contact with gasket seals, an undesirable outcome that also decreases the product's life span.

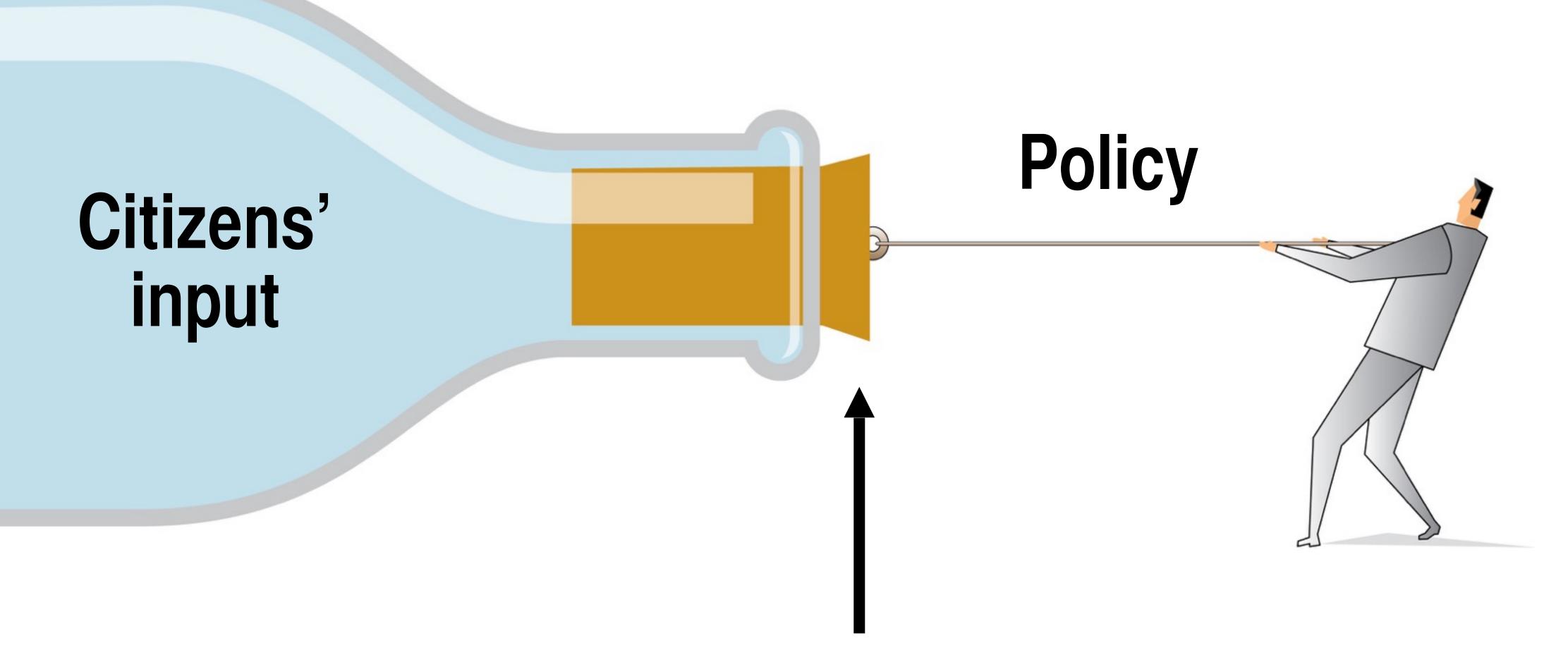


Piles of unstructured data

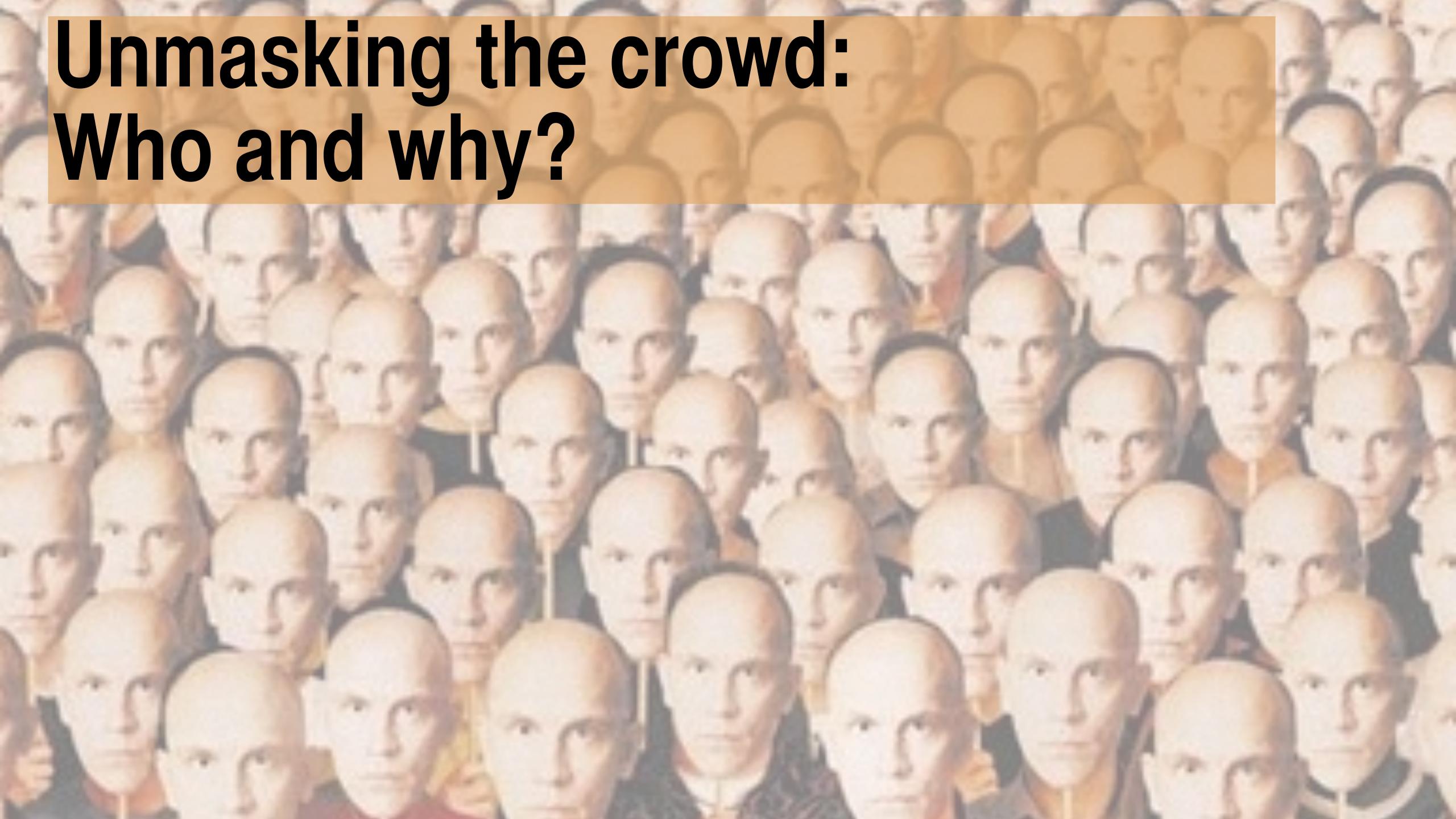
What ideas do you ha	ve about the dra	ft Transportat	ion Element?														
Statement ID Signatur	e Location	State	Created At	Section	Body	Belongs To											
======IDEAS==																	
122843 Theresa	Chen	on forum	10/19/15 10:3	37	Build multi fl	115115											
122842 Theresa	Cher in Old Palo	A on forum	10/19/15 10:3	3 annotation_s	Expand publi	c transportati	on system w	vith increase av	ailability and	stops, partic	ularly at clinic	cs and hospita	als.				
122840 Theresa	Cher in Old Palo	A on forum	10/19/15 10:2	9 annotation_s	Connect the	city shutter sy	stem with t	he VTA bus syst	em on sched	dule and stop	s. Publicize tl	ne changes. 1	The will enco	urage more b	us riding ever	for short dist	ance errands.
122816 John Ma	rk Alin College To	e on forum	10/18/15 21:2	0 annotation_	As for "not co	ompromising	the needs of	f pedestrians an	nd bicycles",	a better use	of under- and	over-passes	on major the	oroughfares	would both in	crease vehicle	"Level of Service
122815 John Ma	rk Alin College To	e on forum	10/18/15 21:0	7 annotation_	Here's a mor	e ambitious h	igh-tech solu	ution: Plan for a	and design h	igh-density la	anes that are	limited to self	f-driving vehi	cles that take	advantage of	inter-vehicle	communication
122812 John Ma	rk Aį in College To	e on forum	10/18/15 20:5	0 annotation	a bit												
122811 John Ma		on forum	10/18/15 20:3		There are go	115303											
122809 John Ma		on forum	10/18/15 20:0		" markedly												
122807 John Ma		on forum	10/18/15 19:5		One small fix												
122806 John Ma		on forum	10/18/15 19:5		Yes "synchro												
122791 Theresa					-			us system-both	on schedule	and stops.							
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122746 Name n	_	_	10/17/15 13:0		Ask employe												
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Bottleneck in participatory channel



Lack of analysis and synthesis methods

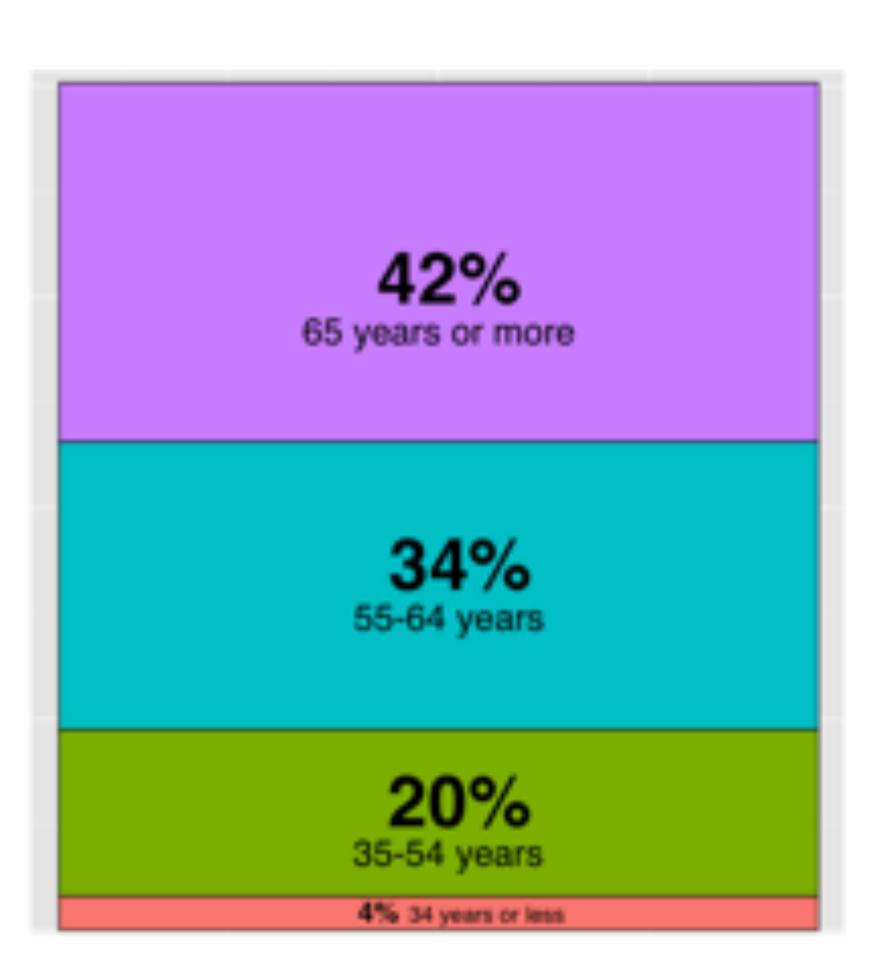




Participant profile: Demographics

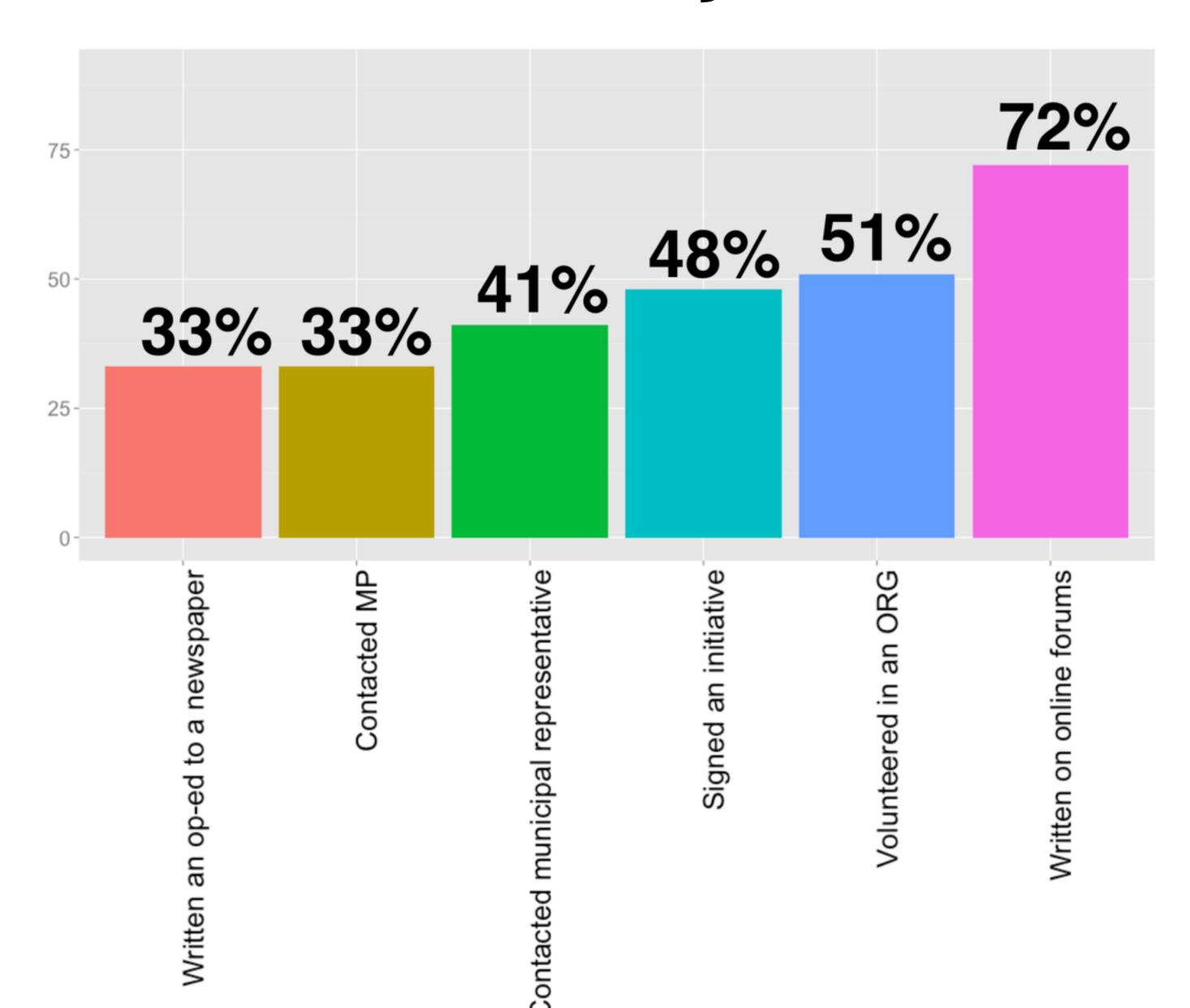
Mostly educated men (60-80%)

Age distribution varies: even seniors participate



Participant profile: Civic activity

Mixed bag: Usual suspects and unusual ones



Motivation factors in crowdsourced policymaking



Extrinsic

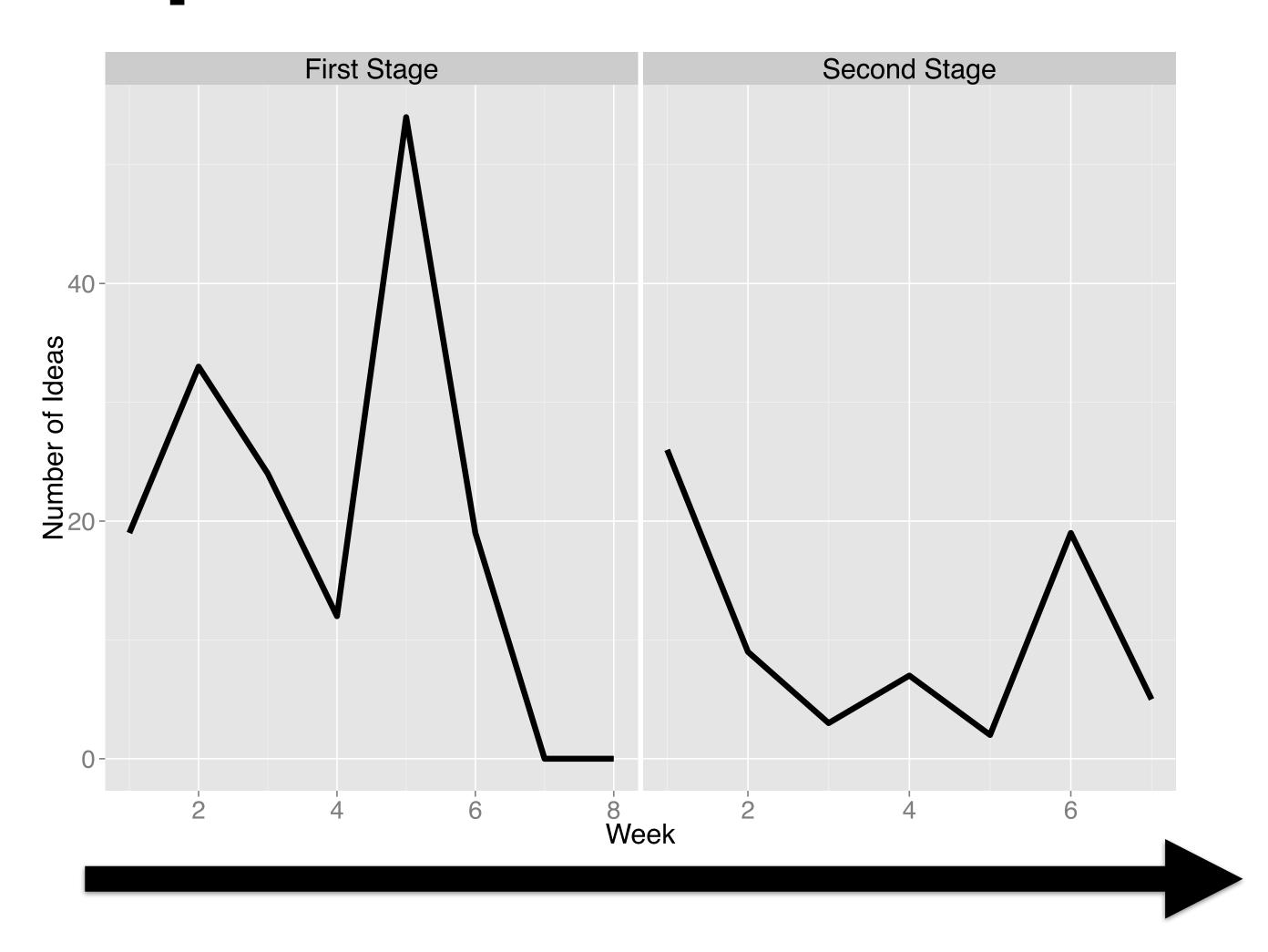
Improving the law Solving issues in housing companies Discussing with others Learning

Intrinsic

Sociotropic reasons Altruism

Epistemic and interactive factors

Saturation point, motives weaken



Crowdsourcing process



Learning is the strongest factor

Design processes and technologies supporting learning:

- Peer learning
- Expert learning
- Materials
- Long-term knowledge commons

www.thefinnishexperiment.com

Enter the world of collective intelligence.

Design for Crowdsourced Policy-Making

How should crowdsourcing be deployed in policymaking? We developed five design principles, which give a

Crowdsourced Off-Road Traffic Law Reform

The Ministry of the
Environment and the
Committee for the Future in
the Finnish Parliament

Crowdsourcing for Democracy: New Era in Policy-Making

The book 'Crowdsourcing for Democracy: New Era in Policy-

Thank you:

The crowd who participate and cares about society

Co-authors and mentors:

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Thank you.

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