Re-establishing Trust in Government in ECA and Beyond: Citizens Assemblies & CivicTech

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Problem 1: a winner-takes-all digital economy

Human knowledge and data create massive value...

...and big tech oligopolies
Problem 2: inequality and work dislocation due to AI

The winners have won most and the middle classes have fallen behind in the race for higher incomes

Source: Congressional Budget Office
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White collar jobs more explored to AI’s spread
Average standardized exposure by wage percentile of all occupations, 2017

Global dissatisfaction with democracy has soared since the 2008 financial crisis

Dissatisfaction with democracy (% of those surveyed*)

- Start of global financial crisis
- Trump elected US president
- Greece requests IMF bailout. Start of eurozone crisis
- UK votes to leave EU
Citizen of the Future

- Digital Identity
- Data Wallet (demographics, knowledge, experience, skills, certifications, degrees, diplomas, etc.)
- Reputation score
- Credit score
- Conversational AI agent
- Access opportunities for solve problems, or get contract work
- Access collaboration opportunities and join teams
- Participation in citizen assemblies
- Participation in social activism
- Participation in governing DAOs and Web 3.0 digital platforms
- Voting
- Crypto Wallet

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The democratic governance tech stack

CivicTech Applications

Open API layer

Digital Identity
Private blockchains
Reputation Scoring

Data Wallet
Public blockchains
Payments/ DeFi

Data Trusts
AI Knowledge Graphs, NLP, ML
Communities, Causes, Political Parties

Cloud storage and computing

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CivicTech Applications

- Intelligent learning concierge ("cybernetic AI")
- Audit veracity of news, combat misinformation
- Secure Identity verification (incl. biometrics, vaccine certification, etc.)
- Digital platforms for policy-specific political parties
- Liquid democracy
- Citizen Assemblies
- Advising parliaments and influencing decisions on demand
- Augmented Reality ("Understanding problem and impact", etc.)
- Virtual Reality ("Virtual Empathy", "Democracy games", etc.)
- Cryptogovernance (managing common pool resources)
The “deliberative wave” has been building since the 1980s, gaining momentum since 2010.

Number of representative deliberative processes per year, 1986 – October 2019

Notes: n=282; Data for OECD countries is based on 18 OECD countries that were members in 2019 plus the European Union. Processes that spanned over multiple years are noted by the year of their completion (except for permanent ongoing processes).
Public authorities have commissioned representative deliberative processes for a wide range of policy issues.

Number of times a policy issue has been addressed through a representative deliberative process.

Notes: n=282: Other policy issues include: agriculture; constitutional questions; consumer protection; cooperative housing; culture; firework use; gambling regulations; gender equality; justice; legislative reform; migration; noise pollution; safety; socioeconomic development; science and research; sustainable development; taxation; water management; youth.

Source: OECD Database of Representative Deliberative Processes and Institutions (2020).
Using AI: Conversational agents in citizen assemblies

Citizen Group A

Citizen Group B

Synthesis of Citizen Group deliberations

Knowledge

Learning

Knowledge (experts, etc.)

CONSSENSUS

Citizen Assembly

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Decentralized Autonomous Organizations: Governance-as-a-Service
Private Governance
(The “G” in ESG)
Web 2.0 Capitalism: a value extraction flywheel

Data flows through a digital platform, transforming user-generated content into valuable data assets. This data is then used to create and sell products, services, and experiences, which generates value for owners and users. The value per user (user acquisition cost) is a key metric in this model.

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Web 3.0. Information AND value can flow among entity without intermediaries.
**Web 3.0 ecosystem.** A people network of interconnected cooperatives and microbusinesses collaborate, create and share economic value by leveraging a stack of distributed and decentralized technologies. ©2019 by George Zarkadakis

Networked micro-business, cooperatives, liquid organizations, “Governance-as-a-Service” organisations

Composable Systems & Apps

Microservices & Distributed Apps

Open Networks of value “Internet of Value”

Hardware; Computing; core services and chains (centralised/ decentralised)

Example: Cordial World Foundation (HKaaS)
Web 2.0 platforms vs Web 3.0 platforms

Web 2.0 Platform
- N of participants
- Value to owners
- Value per user (User acquisition cost)

Web 3.0 Platform
- N of participants
- Value to owners
- Value per user (Value of tokens owned by users)

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### Capitalism 2.0
- Legacy Business Models
- Centralized networks
- Globalization

### Capitalism 3.0
- Cloud-native Business Models
- Decentralized networks
- Anti-globalization

#### 4th Industrial Revolution

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<td>Broader purpose to include positive social, environmental impact – broaden ownership of derived value from data</td>
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<td>Maximize ROI and shareholder value</td>
<td>Government bailouts &amp; Big(ger) government</td>
<td>Public &amp; private Governance is more inclusive and participatory (the “G” in ESG)</td>
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<td>Privacy vs. utility dilemma</td>
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<td><strong>Work automation:</strong></td>
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<td>Reinvent AI + human economic and social symbiosis; tax rethink (capital vs work)</td>
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<td>reduce cost, improve productivity</td>
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