## DAOs & Data Co-operatives Nexus

DAOs in the Real World: Utilizing DAO Tooling for non-DAO Applications

PAOs in the Real World: Utilizing DAO Tooling for non-DAO Applications





The Science of Blockchain Conference 2023 (SBC'23)

Arrillaga Alumni Center, Stanford University Aug 28 - 30, 2023



The Science of Blockchain Conference 2023 (SBC'23), 2023 Stanford DAO Workshop Stanford Centre for Blockchain, Cornell IC3, and Berkeley RDI Stanford University, Silicon Valley, California (USA), 31st August.



### Dr Igor Calzada, MBA

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- Principal Investigator & Fulbright Scholar
  - Cardiff University (UK)
  - Ikerbasque & University of the Basque Country (Spain)
- I am interested in Digital Citizenship
- Particularly in Emancipatory Datafication Strategies driven by Disruptive Technologies such as Blockchain, DAOs, and Data Co-operatives.







# My Research Intuition in 2022

DAO Workshop 2022: Dr Igor Calzada, as Fulbright Scholar, shared his intuition last year about the potential of **Blockchain**, **DAOs**, and particularly **Data Cooperatives**.

Dr Igor Calzada believed these disruptive technologies can reshape the digital citizenship towards Web3 through emancipatory datafication strategies.

DAOs & DATA CO-OPERATIVES NEXUS



## Recent Publications 2023: Data Co-operatives

#### 1 Preprint

Data cooperatives as catalysts for collaboration, data sharing, and the (trans)formation of the digital commons Michael Max Biblior 15, (gor Calzada 5, Isobel Cane 5, Thorston Jelinek 5, Asiba Kapoor 5, Monhael Mass Sameer Mehta \*, Marina Micheli \*, Vijav Mookerje \*, Konrad Nübel \*, Alex Probland \*, Tarbor Schole \*, Diven Siddorth 15, Julies Tail 15, Bepu Vailla 2 and Jiangue Zhu 15 talia 1909C, India sethatuaptiin. In University Businas. 19014 San Demonias di Riccia d'Ili. Itale: Abstract Network observa concensus or raise, and toke-ar-clocks receiving year for a consenta-tion of digital insections and capabilities, bin-leting the first and equivale development of digital sottog-meaning (ECCA) new Adil, and jobs (ECCA), powered journal communities (ECCA) and their small and medium-sized enterprises ("SMSs"). To means the affectability and accombility of infundagies, promote digital entrepreneusialipand continuity well-being (EDGS), and protect digital rights, we propose data competitives (L2) as a volude for occurs, treated, and accomings data change (SAL In post-popularie times, community/SME-hal accounting our play a viral sole by eff-determination, especially is a world increasingly medicael by Al. Thus, premium plays a entitions rule to accelerating communities SMEs, digital transformation and addressing their significant rate is non-ferring communities of the significant rate of a substitute and of the significant for the colleging Composition for the colleging pressures and outside and an impact and particularly for the Tragmanning Revision. (1970) that a some the efficiency, individually adopted on particular of particular and sont imposition, and any other individual and some second assuring a substitute of the significant form of MEO in the crossility process. The policy gaps present and observes second assuring are seen on the configuration of the c penties, and their need value creation on he levenged to take digital common and value takes to a new level of collaboration wide addressing the suor previous comparable topics. The of framework for a digital federated and severage reference architecture will create a blue constrainable development both in the Gobol South and North

Bühler, M.M., Calzada, I., Cane, I., Jelinek, T., Kapoor, A., Mannan, M., Mehta, S., Mookerje, V., Nübel, K., Pentland, A., Scholz, T., Siddarth, D., Tait, J., Vaitla, B. & Zhu, J. (2023), Data Cooperatives as Catalysts for Collaboration, Data Sharing, and the (Trans)Formation of the Digital Commons. *Preprints.org*, 2023040130. https://doi.org/10.20944/preprints202304.0130.v1.

DOI:10.20944/preprints202304.0130.v1. https://www.preprints.org/manuscript/202304.0130/v1

2 G20 Policy Brief



Bühler, M., Calzada, I., Cane, I., Jelinek, T., Kapoor, A., Mannan, M., Mehta, S., Mookerjee, V.S., Nübel, K., Pentland, A., Scholz, T., Siddarth, D., Tait, J., Vaitla, B., & Zhu, J. (2023). Harnessing Digital Federation Platforms and Data Cooperatives to Empower SMEs and Local Communities. TF-2: Our Common Digital Future: Affordable, Accessible, and Inclusive Digital Public Infrastructure. G20/T20 Policy Brief. DOI: 10.13140/RG.2.2.22347.98083/1.

3 Digital Journal



Bühler, M.M., Calzada, I., Cane, I., Jelinek, T., Kapoor, A., Mannan, M., Mehta, S., Mookerje, V., Nübel, K., Pentland, A., Scholz, T., Siddarth, D., Tait, J., Vaitla, B. & Zhu, J. (2023), Unlocking the Power of Digital Commons: Data Cooperatives as a Pathway for Data Sovereign, Innovative and Equitable Digital Communities. *Digital*, 3(3), 146-171. DOI: https://doi.org/10.3390/digital3030011.

4 Routledge book:
Data (Un)Sustainability



Calzada, I. (2023). Data (Un)Sustainability: Navigating Utopian Resistance While Tracing Emancipatory Datafication Strategies In Certomà, C., Martellozzo, F., and Iapaolo, F. Digital (Un)Sustainability. Promises, Contradictions and Pitfalls of the Digitalization-Sustainability Nexus. Oxon: Routledge.

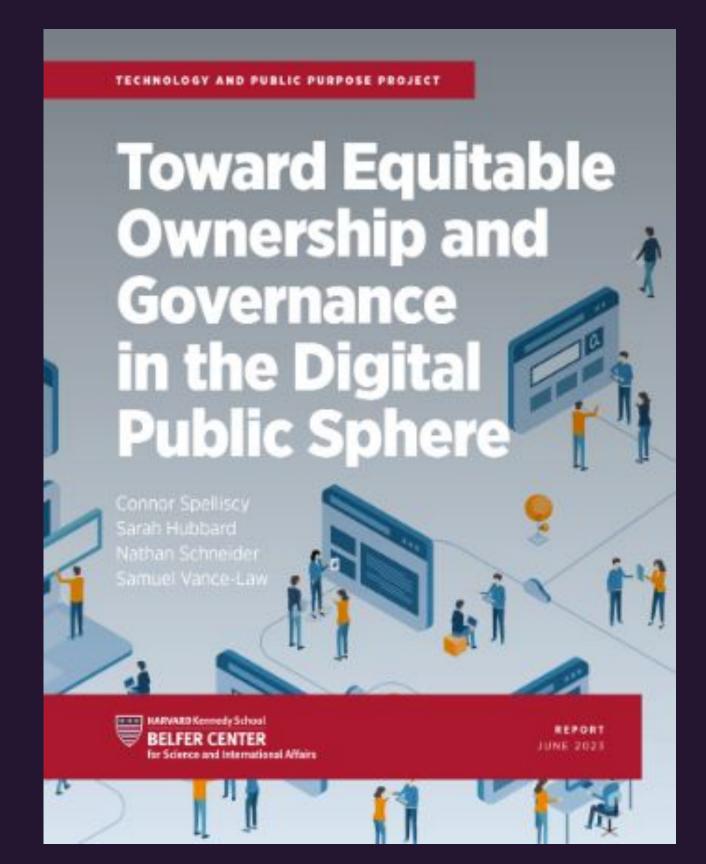




# Decentralized Autonomous Organizations and Policy Considerations in the United States

By: Sarah Hubbard

Research support: Anand Trivedi and Mayank Sharma
Reviewers: Josiah Tullis, Teresa Chen, Amritha Jayanti, Connor Spelliscy, Samuel Vance-Law, Maxwell
Kanter, Alona Shevchenko, Ariel Higuchi, Yev Muchnik, Scott Moore, Tara Merk, Joshua Tan



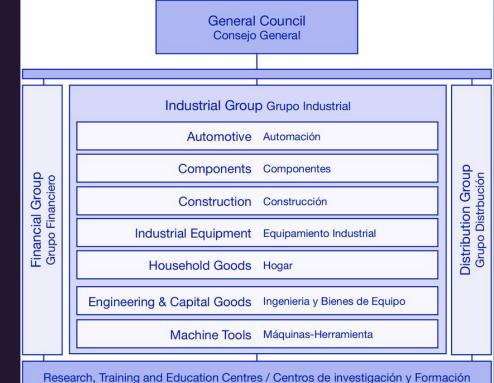


MONDRAGON

HUMANITY AT WORK

https://www.mondragon-corporation.com

Mondragon Co-operative Corporation is the largest industrial co-operative business group worldwide in terms of the total number of worker coop employees.



### Utilizing DAO Tooling

# Han Hemen Hasque GLOBAL NETWORK

### for non-DAO Applications

### Blockchain Driven **e-Diaspora** Platform

https://www.hanhemen.eus/en/

- I. *HanHemen* (*ThereHere* in Basque language)
- 2. Inspired by MONDRAGON co-operative model and ethos
- 3. Aim: Connect Basque <u>diasporic/digital citizens/nomads</u> scattered around the world
- 4. Led by the Basque regional government, with the direct involvement of 1,385 end-users worldwide.
- 5. Online survey:
  - a. 62% demonstrated support for digital nomadism
  - b. 84% expressed concerns about data privacy/extractivism.
- 6. Work-in-progress:
  - a. The platform is being co-produced with end-users by employing blockchain-driven wallet to establish varying levels of data privacy
  - b. and eventually evolving towards a **DAO**
  - c. by offering services and tokens to be operationalised as a <u>data co-operative</u> too, given the strong co-operative ethos existed for decades in the Basque Country.

Calzada, I. (2023, Forthcoming). Blockchain-Driven Digital Nomadism in the Basque e-Diaspora. Globalizations.

Calzada, I. (2023, Forthcoming). Disruptive Technologies for e-Diasporas: Blockchain, DAOs, Data Cooperatives, Metaverse, and ChatGPT. Futures.