DAOs & Data Co-operatives Nexus

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

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.
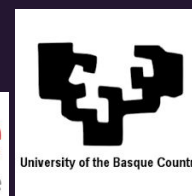
Dr Igor Calzada, MBA

www.igorcalzada.com/publications

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@ICalzada@mastodon.social

- 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**.
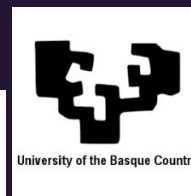
My Research Intuition in 2022

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
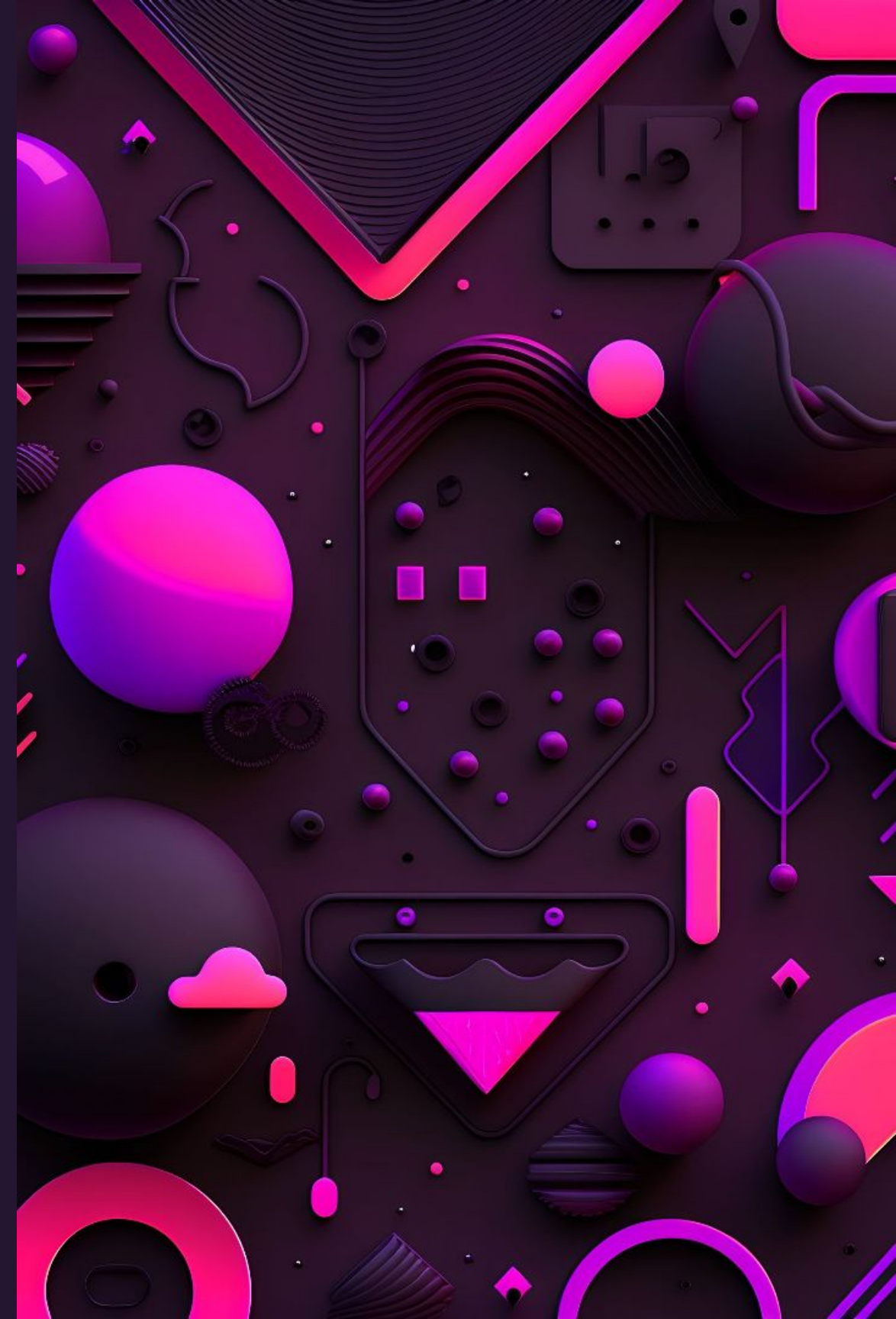
Recent Publications 2023: **Data Co-operatives**

1 Preprint

2 G20 Policy Brief

3 Digital Journal

4 Routledge book:

Data (Un)Sustainability

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

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.

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.

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.

TECHNOLOGY AND PUBLIC PURPOSE PROJECT

Toward Equitable Ownership and Governance in the Digital Public Sphere

Connor Spelliscy
Sarah Hubbard
Nathan Schneider
Samuel Vance-Law

HARVARD Kennedy School
BELFER CENTER
for Science and International Affairs

REPORT
JUNE 2023

HARVARD Kennedy School
BELFER CENTER
for Science and International Affairs
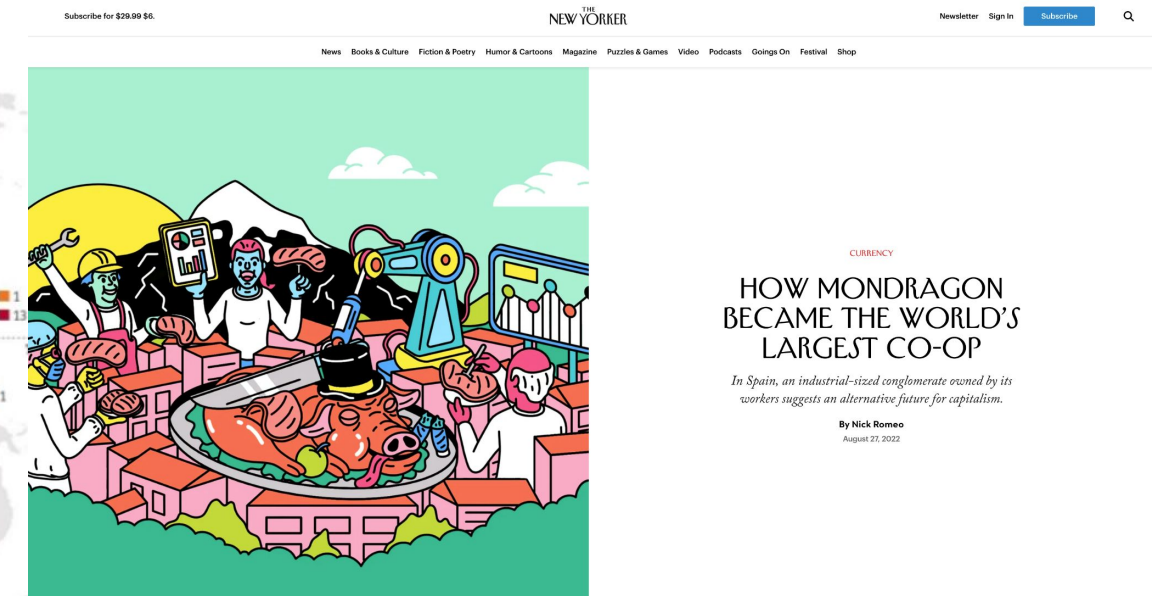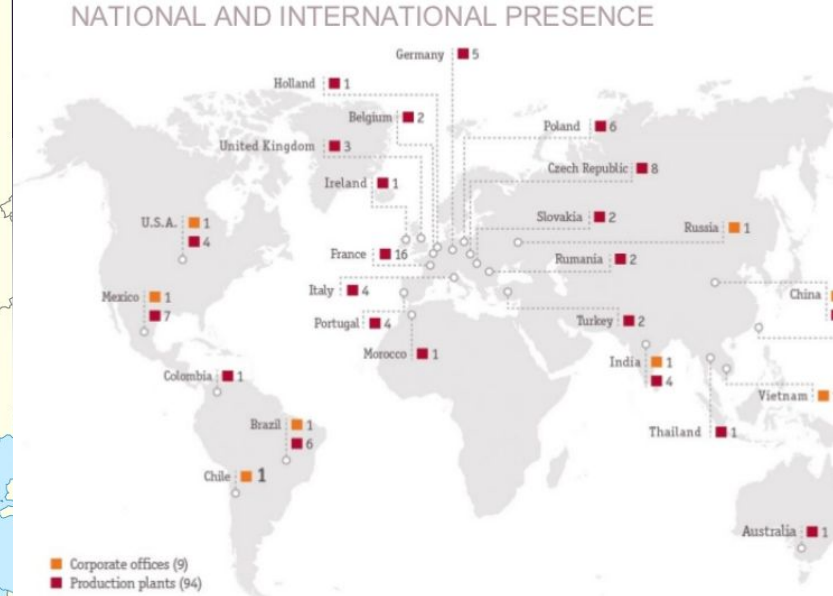
Image via Midjourney

TECHNOLOGY AND PUBLIC PURPOSE PROJECT | MAY 2023

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

NATIONAL AND INTERNATIONAL PRESENCE

https://www.newyorker.com/business/currency/how-mondragon-became-the-worlds-largest-co-op

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.
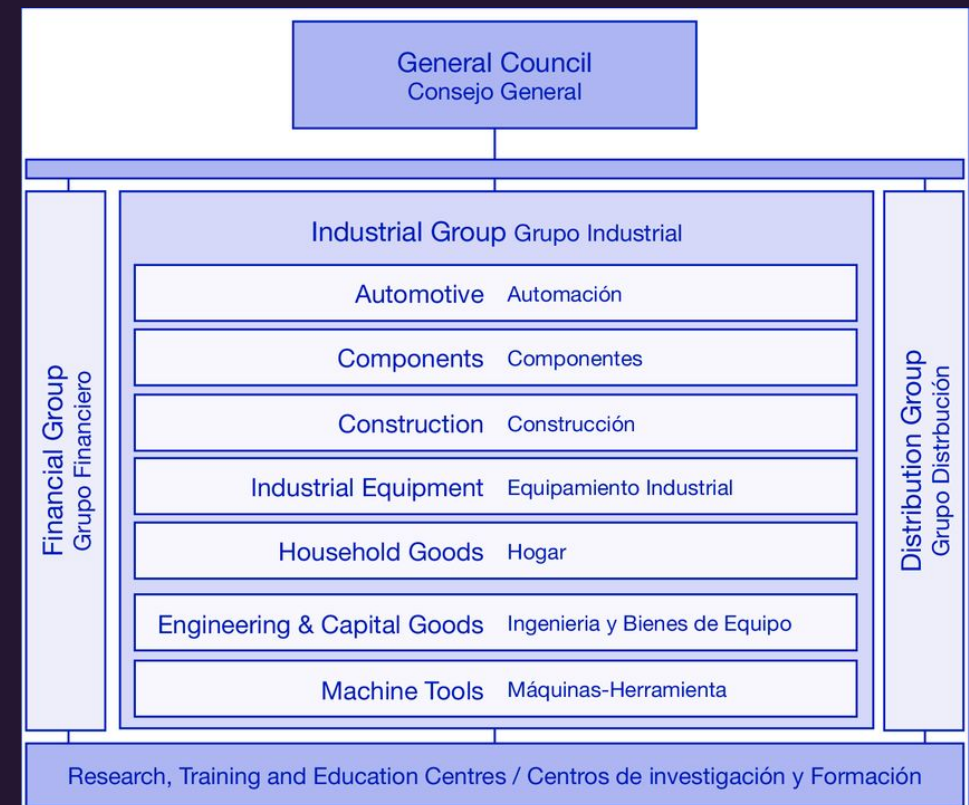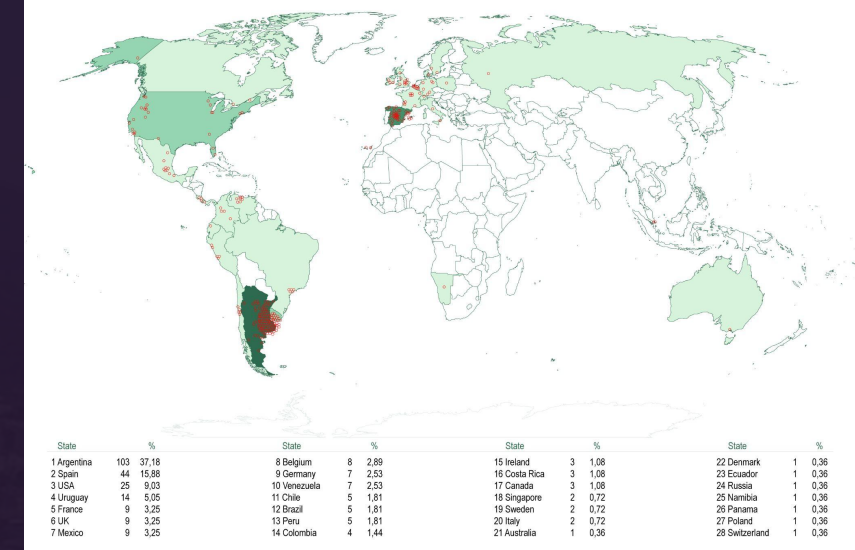
Blockchain Driven **e-Diaspora** Platform

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

State		%	State		%	State		%	State		%
1 Argentina	103	37,18	8 Belgium	8	2,89	15 Ireland	3	1,08	22 Denmark	1	0,36
2 Spain	44	15,88	9 Germany	7	2,53	16 Costa Rica	3	1,08	23 Ecuador	1	0,36
3 USA	25	9,03	10 Venezuela	7	2,53	17 Canada	3	1,08	24 Russia	1	0,36
4 Uruguay	14	5,05	11 Chile	5	1,81	18 Singapore	2	0,72	25 Namibia	1	0,36
5 France	9	3,25	12 Brazil	5	1,81	19 Sweden	2	0,72	26 Panama	1	0,36
6 UK	9	3,25	13 Peru	5	1,81	20 Italy	2	0,72	27 Poland	1	0,36
7 Mexico	9	3,25	14 Colombia	4	1,44	21 Australia	1	0,36	28 Switzerland	1	0,36

1. *HanHemen* (*ThereHere* in Basque language)

2. Inspired by MONDRAGON co-operative model and ethos

3. Aim: Connect Basque diasporic/digital citizens/nomads 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 **data co-operative** 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*.