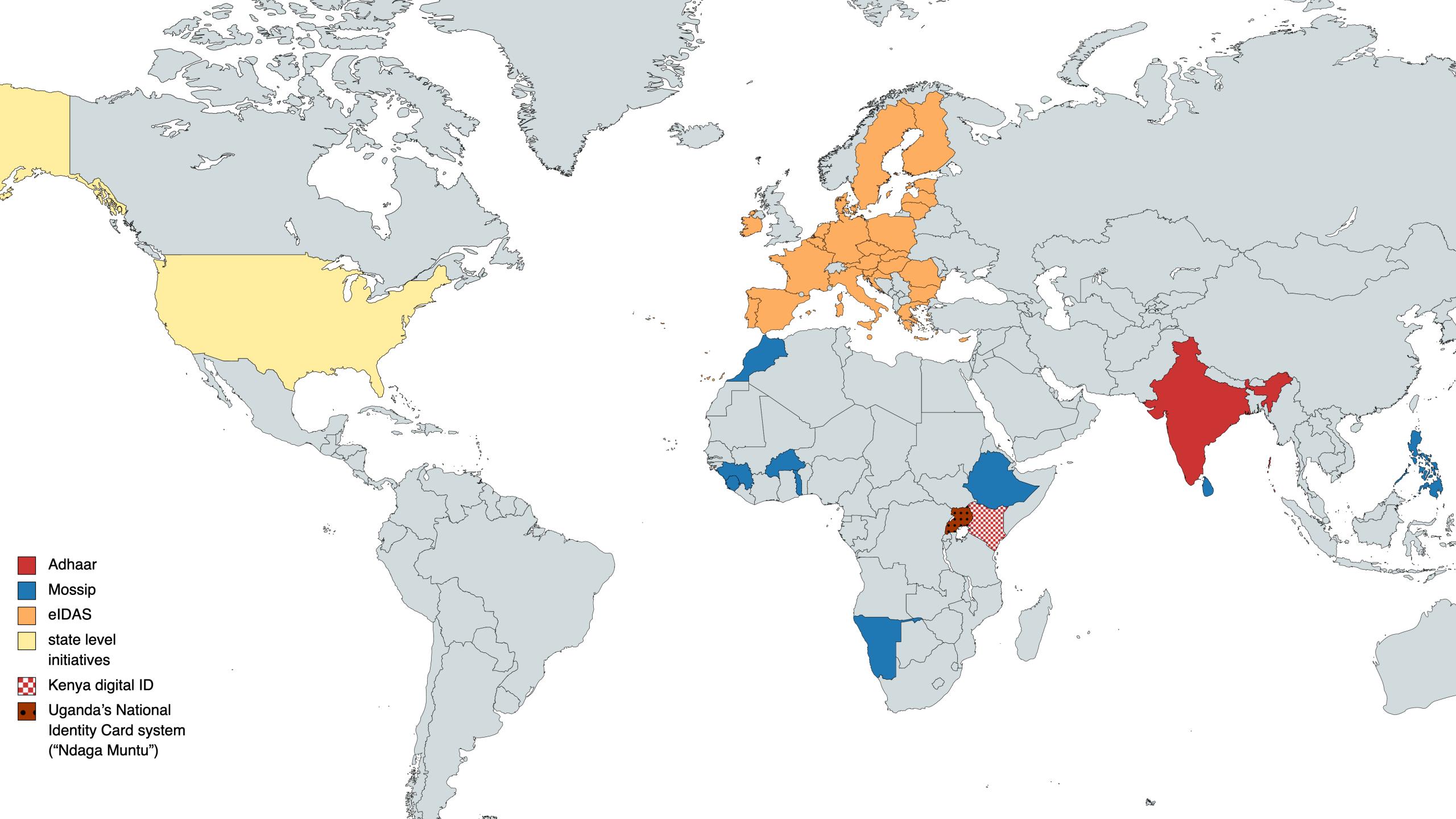
Digital Public Infrastructure

Who Governs the Operation System of the Digitised Society

Thomas Lohninger (epicenter.works)
Digital Humanism Summer School, Vienna, 3. September 2024

WHY & WHAT

Why these systems exist and how they work





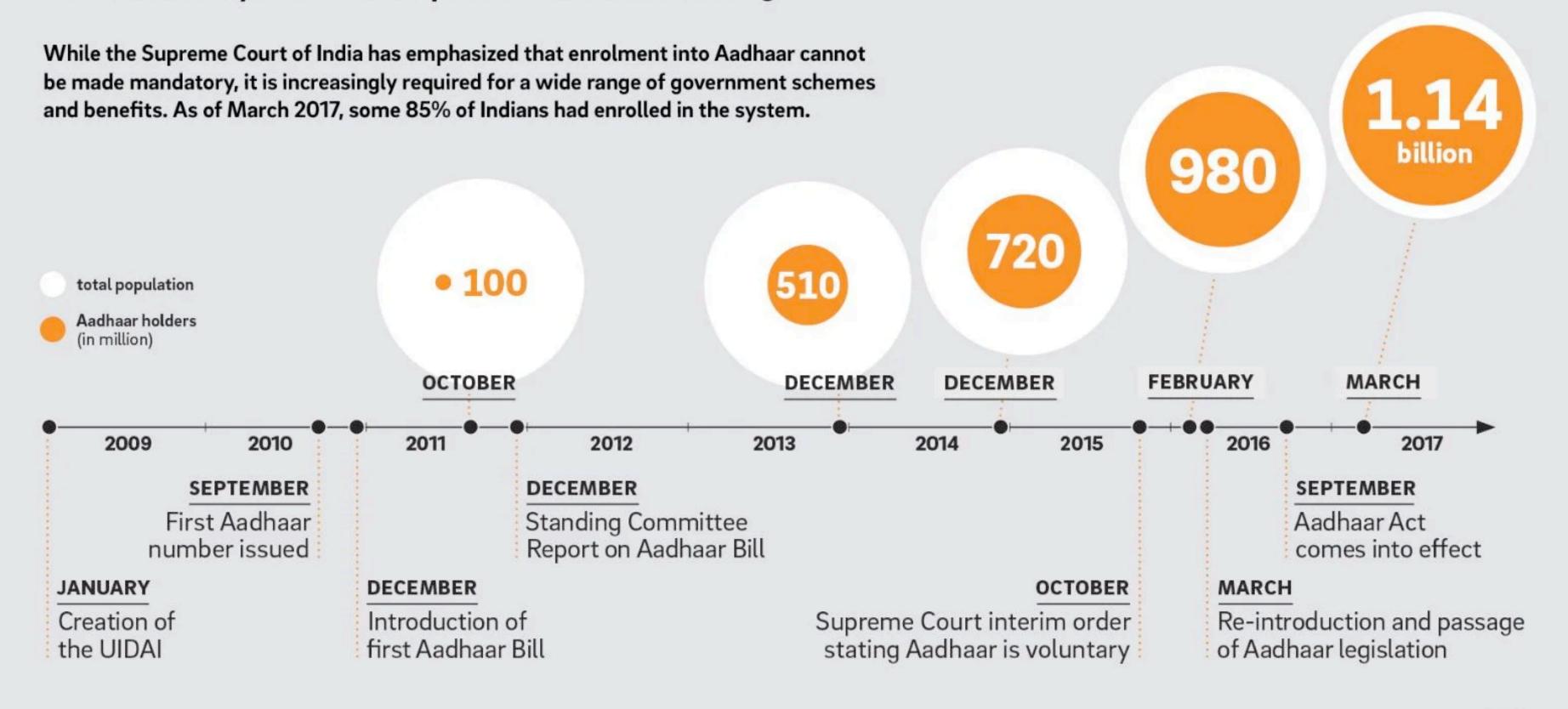
TARGET 16.9



PROVIDE UNIVERSAL LEGAL IDENTITY

AADHAAR: HOW IT WORKS AND HOW IT'S EVOLVED

The Aadhaar system: on the path to universal coverage



Berger Berger

Source state of aadhaar full report 2016-17

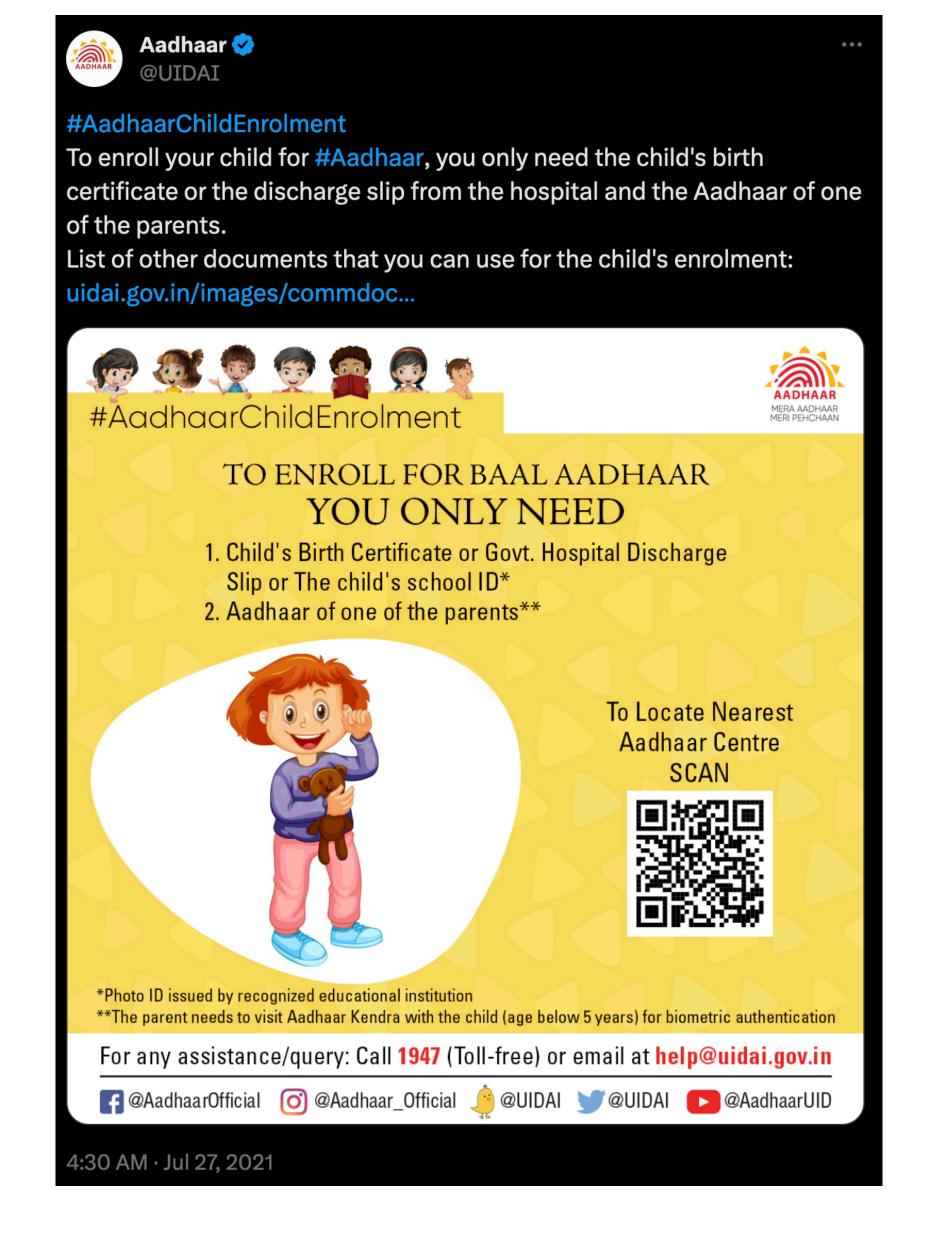
As States Continue To Mandate Aadhaar For RTE, Govt Affirms Aadhaar Not Compulsory For School Admissions

The clarification came in response to a question raised in the Rajya Sabha asking if the government has issued any advisory to the States on the same.



By Sarasvati NT Published July 26, 2023





AADHAAR: HOW IT WORKS AND HOW IT'S EVOLVED

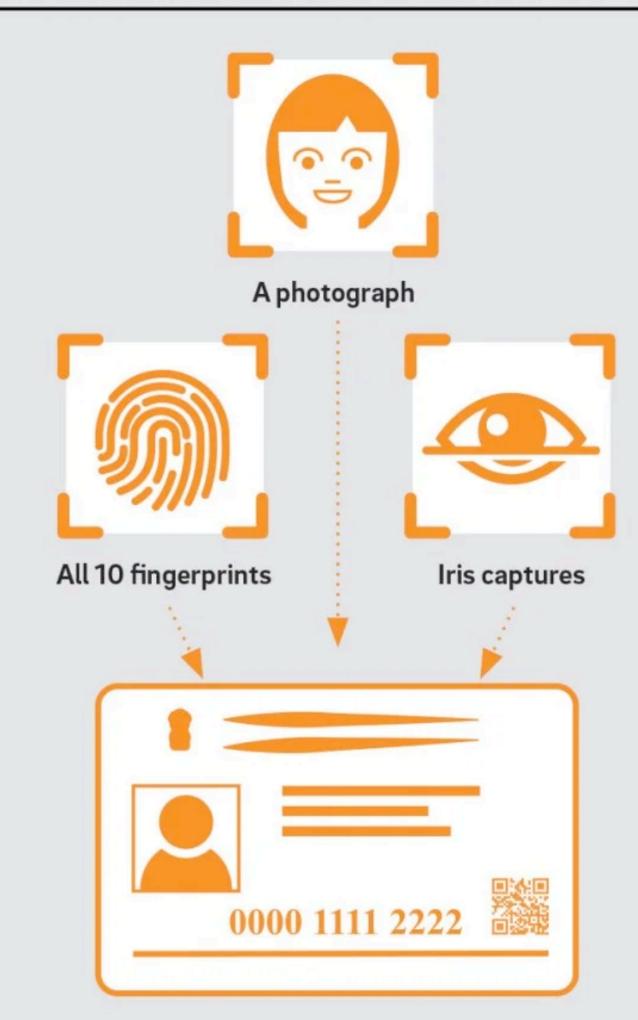
The enrolment process

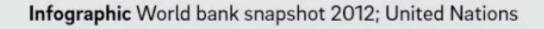
To ensure that each person receives only one Aadhaar number, the UIDAI (Unique Indentification Authority of India) set up a deduplication database built on three features.

The Aadhaar Card is primarily a means of individual identification.

An Aadhaar ID is:

- · Universal, digital and secure
- · Linkable to multiple applications
- Suitable for use as a banking address





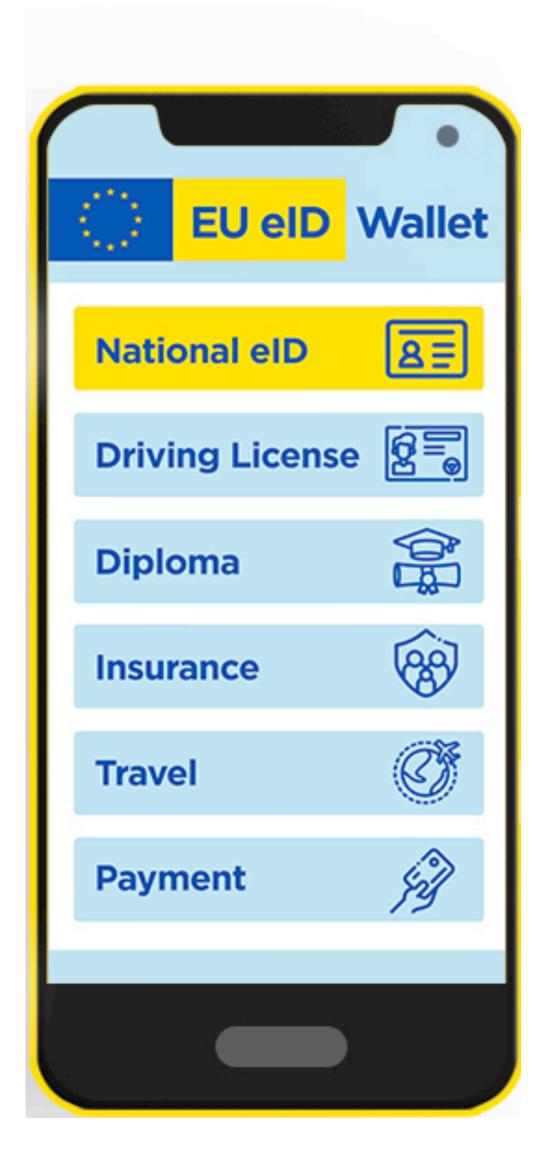




		What is it?	What is in it?	Who is the owner?
India Stack	Consent layer	A modern privacy data sharing framework	Open personal data store	Reserve Bank of India
	Cashless layer	An electronic interoperable payment network	IMPS, AEPS,APB, UPI	National Payments Corporation of India
	Paperless layer	Easily store and retrieve information digitally	Aadhaar e-KYC, e-Sign, Digital Locker	Department of Electronics and Information Technology
	Presence-less layer	Unique digital biometric identity with open API access	Aadhaar card, Mobile Aadhaar	Unique Identification Authority of India



Holder



Issuer

Holder





Issuer

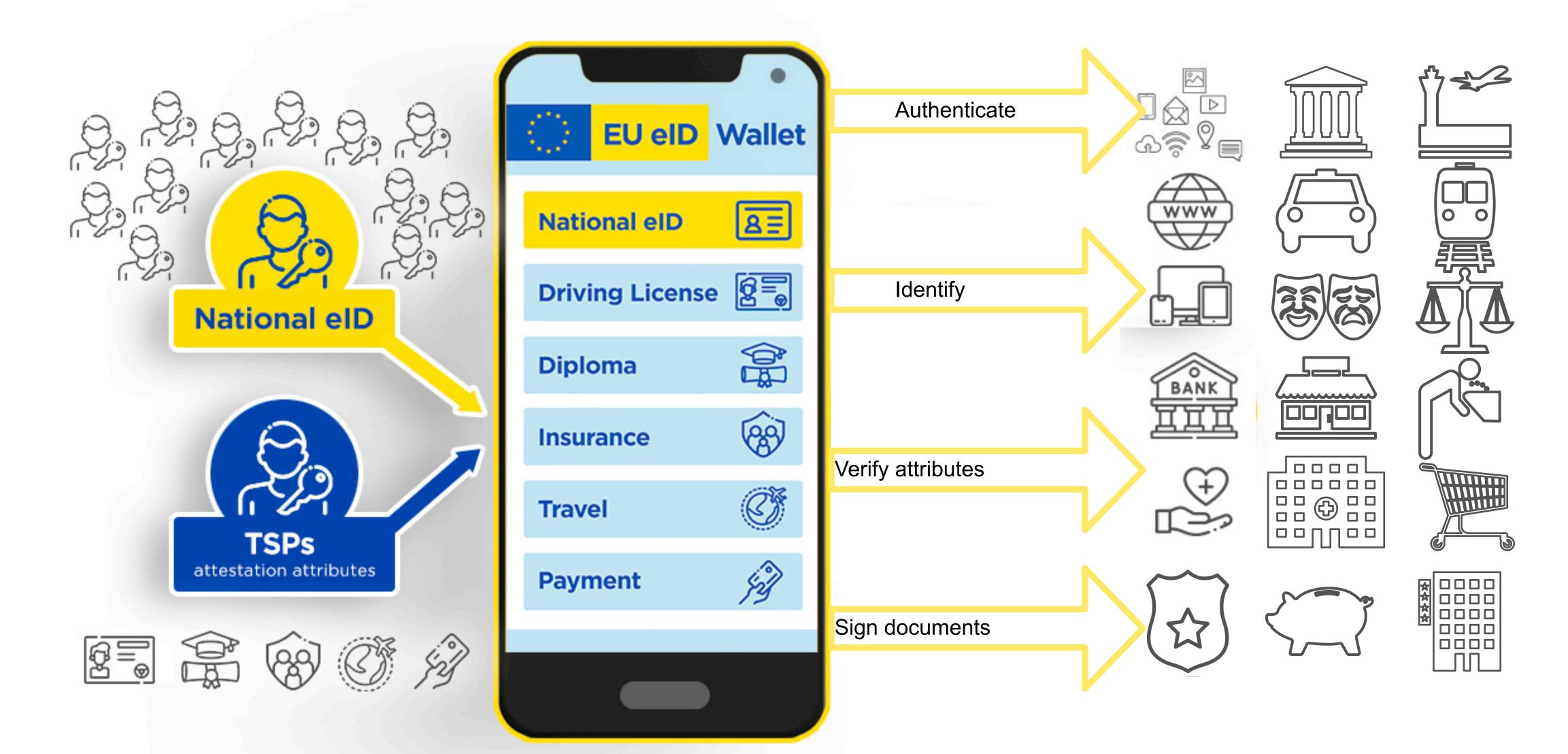
Holder



Issuer

Holder

Relying Partie



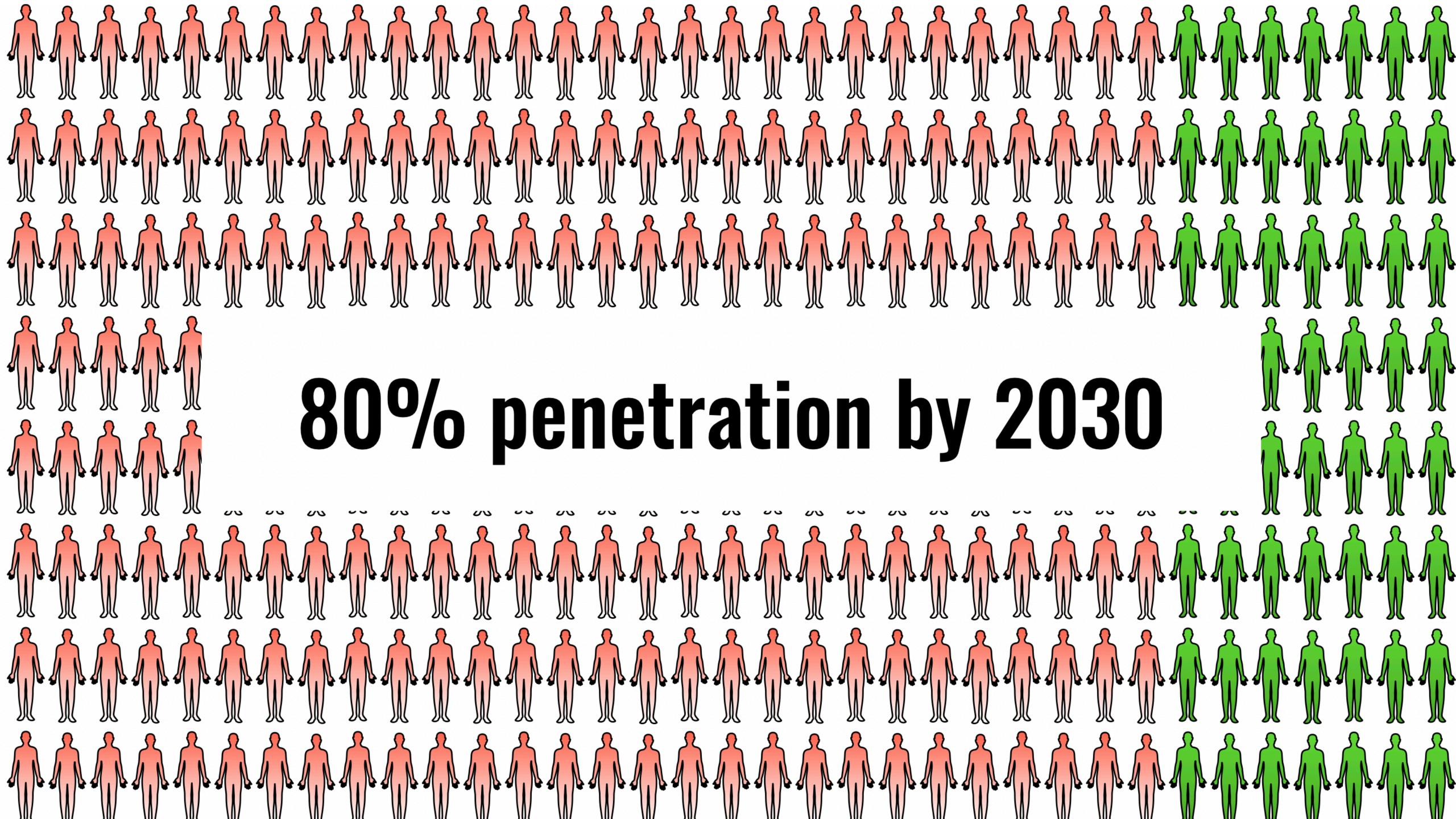
Universal Infrastructure

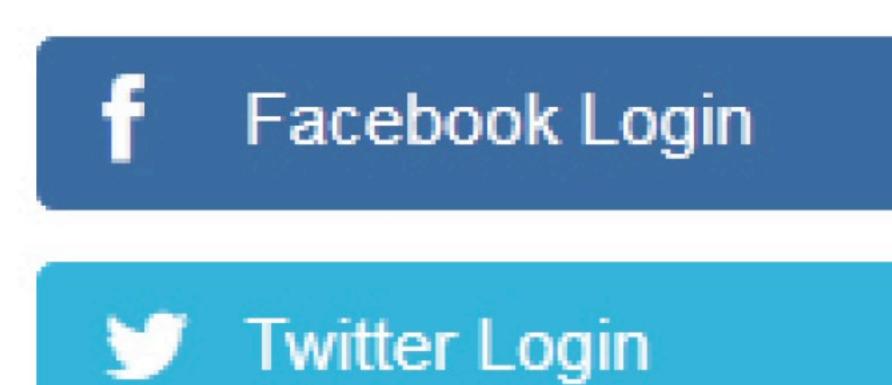
to identify, authenticate and verify attributes

about legal and natural persons

vis-à-vis government and private sector

online and offline.





g+ Google Login

Sign in with Apple



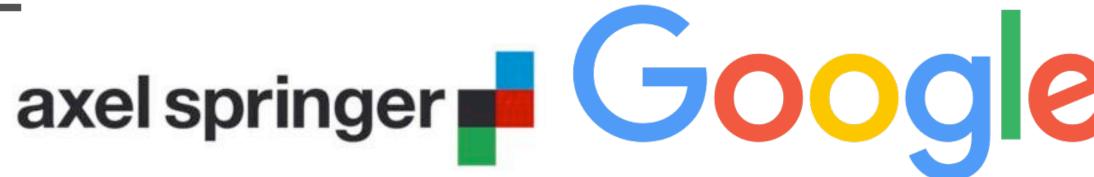
amazon





MOTEL ONE

















i'm not a robot





Type the two words:



Mobile Driver License



John Smith



License Nber: 1234567 Expiry Date: 10/05/2030

DRIVER'S LICENSE



















About us 💙

Our work 🗸

Ideas ∨

lome / Our v

Our work / Digital Public Infrastructure



Putting **people** at the center of DPI

Digital Public Infrastructure

Our goal

To encourage and equip low- and middle-income countries to ado inclusive digital public infrastructure to advance the global Sustain Development Goals.



Universal Safeguards for Digital Public Infrastructure

As digital public infrastructure (DPI) becomes integral to society, governance and finance, we must collaboratively establish safeguards to ensure global protection of fundamental rights.

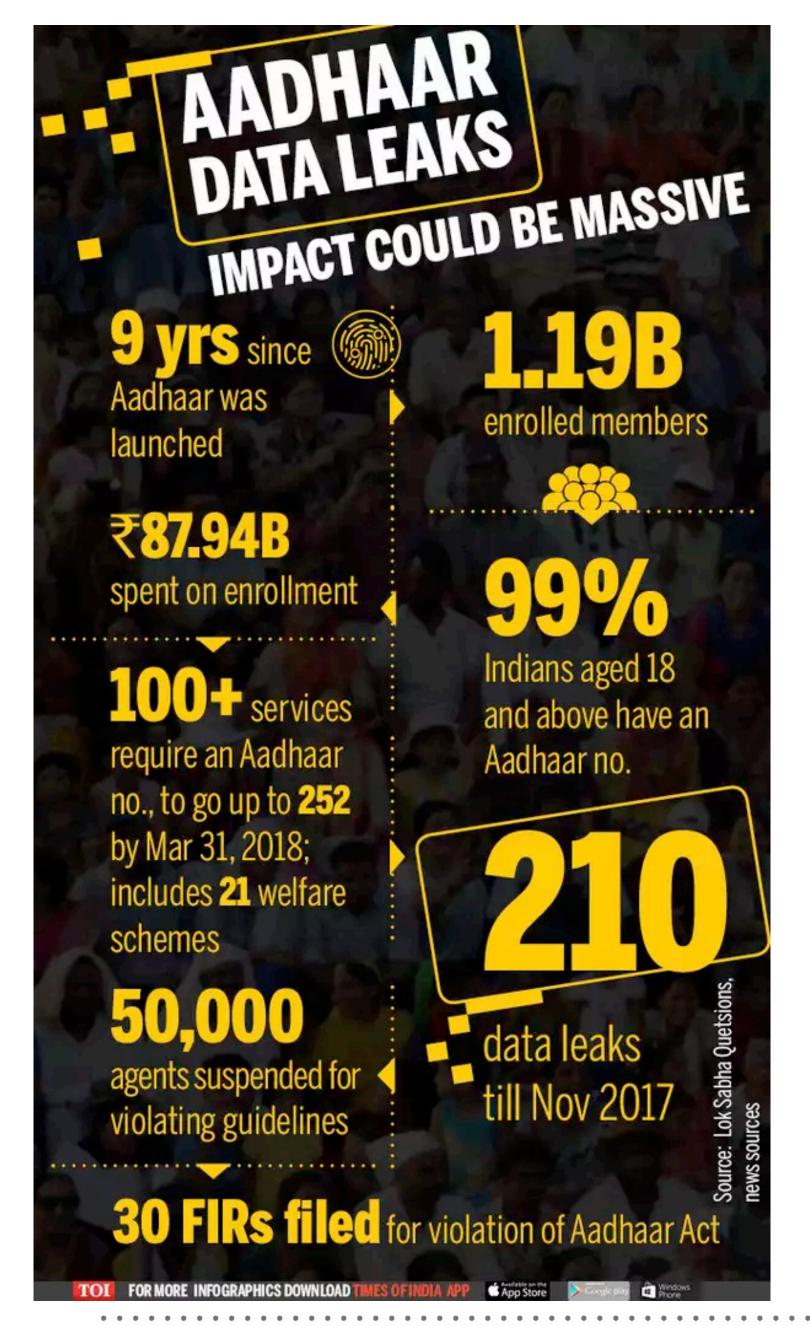


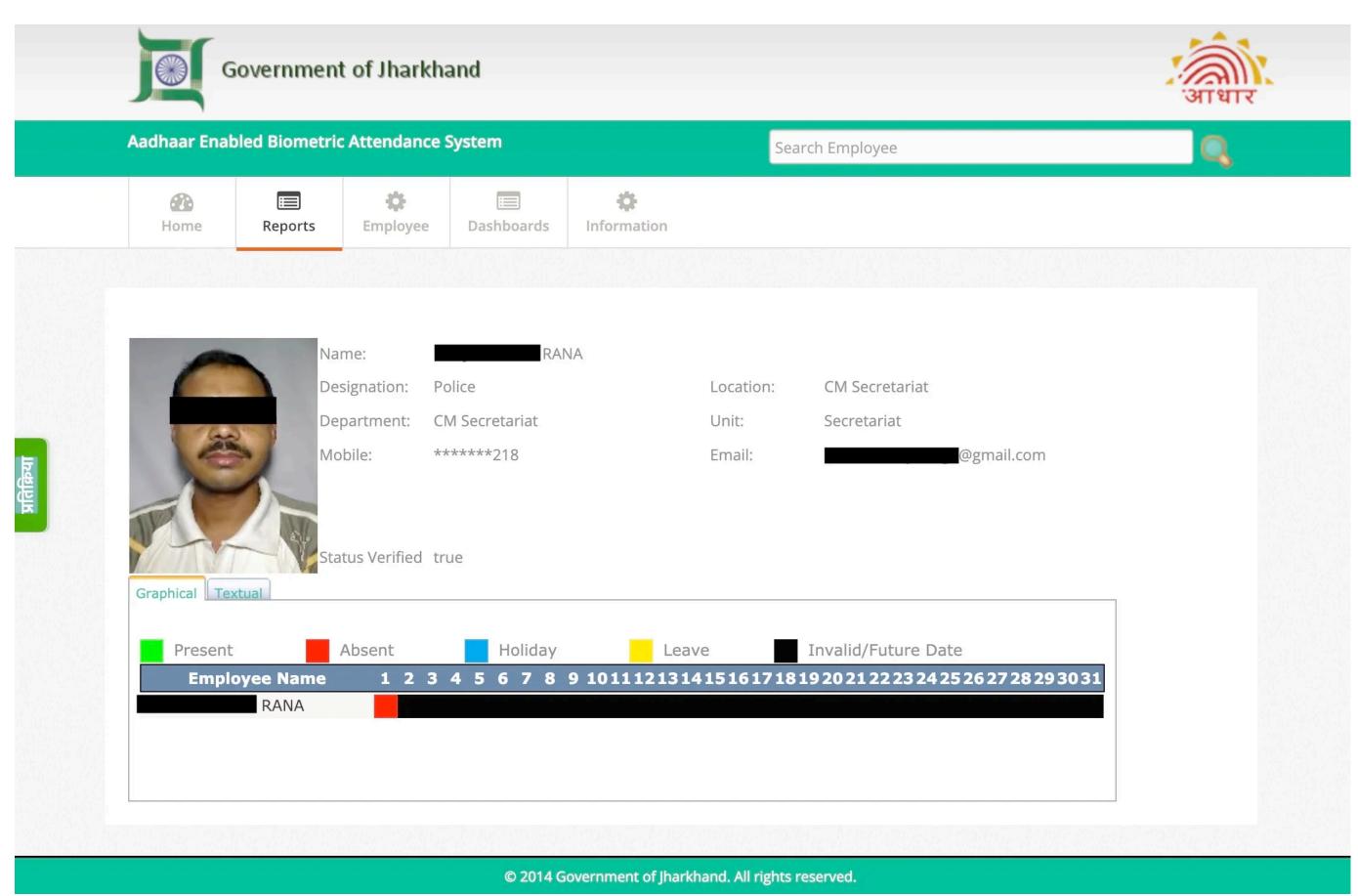


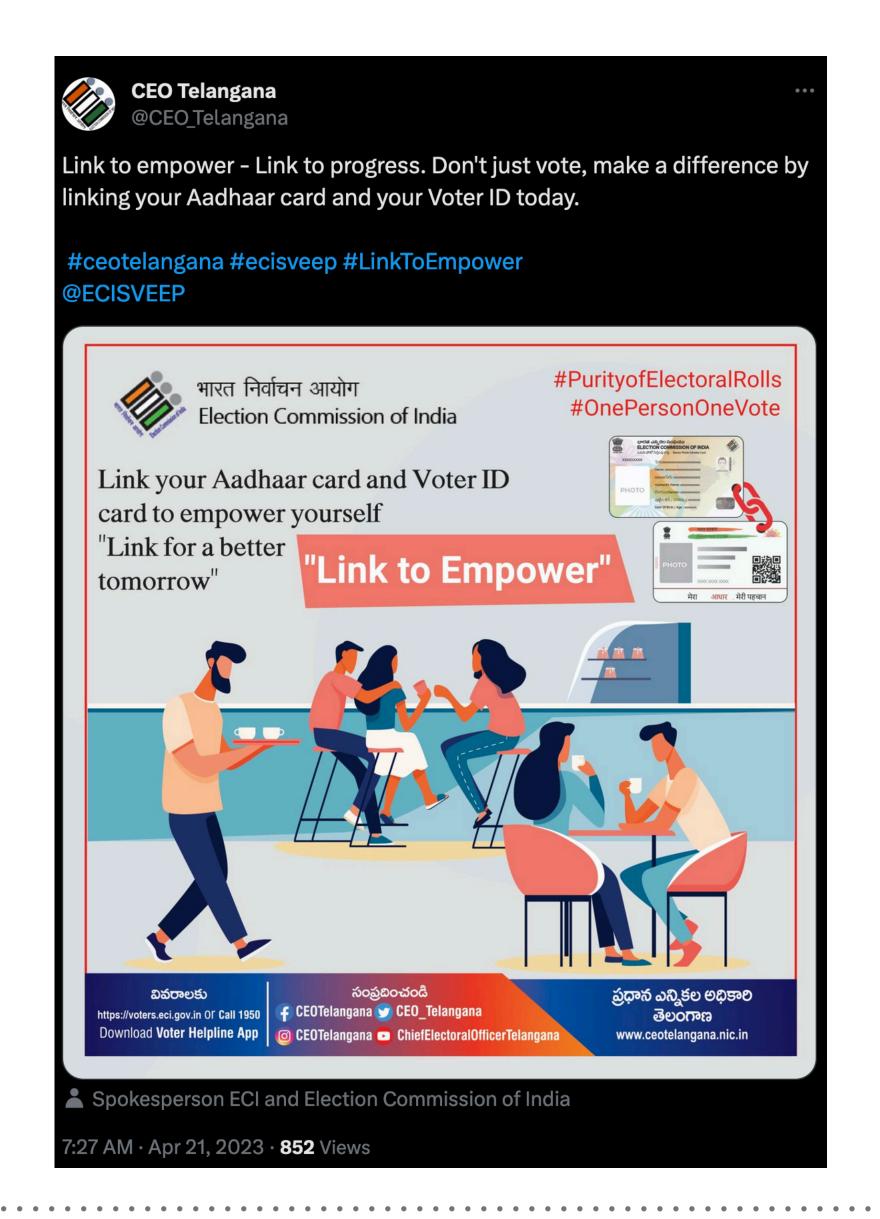
dpi-safeguards.org



What can go wrong













Exclusion by design: how national ID systems make social protection inaccessible to vulnerable populations

Governments around the world are increasingly making registration in national ID systems mandatory for populations to access social benefits, healthcare services, and other forms of state support. By virtue of their design, these systems inevitably exclude certain population groups from obtaining an ID and hence from accessing essential resources to which they are entitled.



change.org/SoyMayorNOidiota



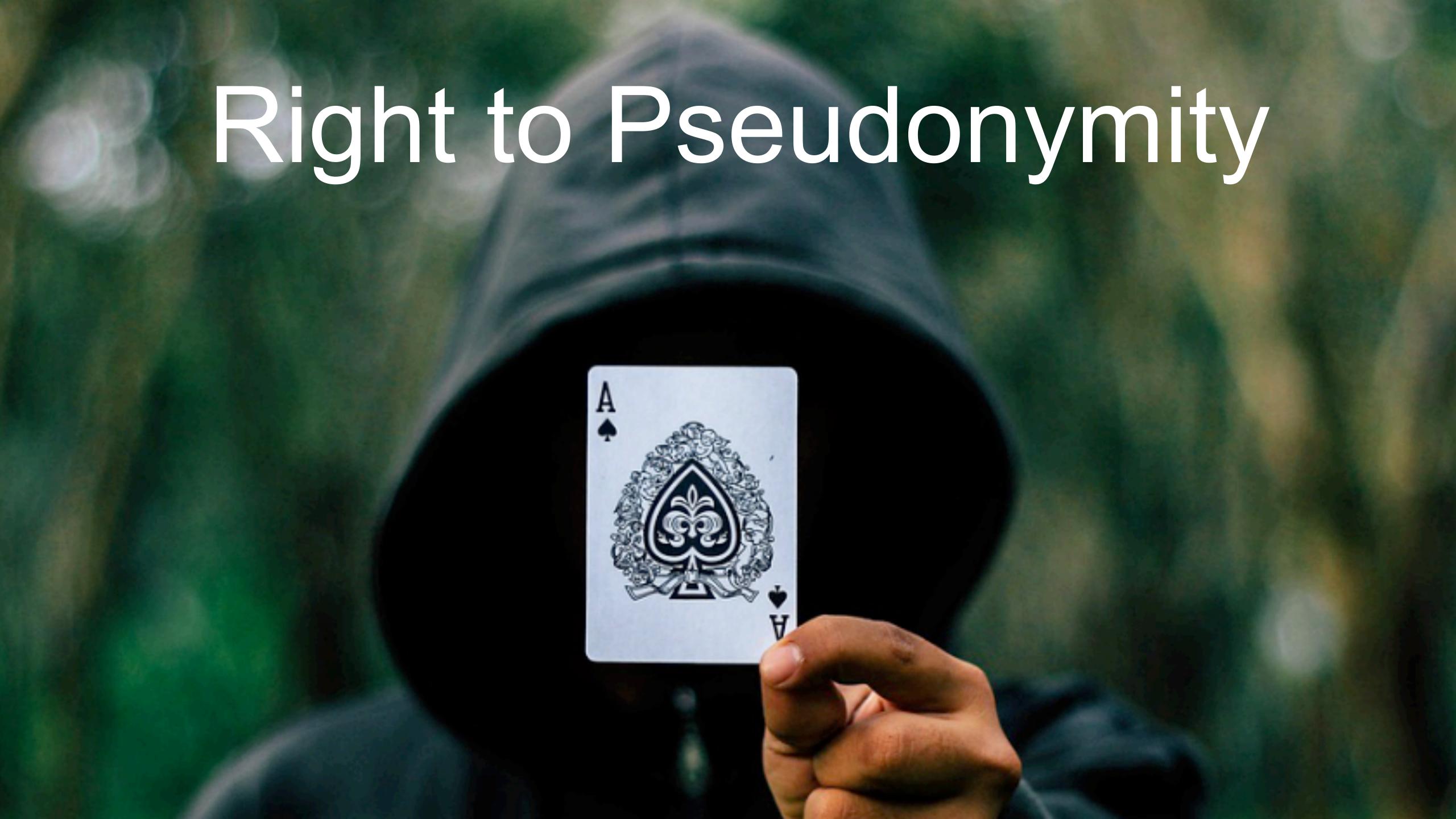
ARE SAFEGUARDS ENOUGH?

Outcome of the EU reform

The Good







Zero Knowledge Proofs





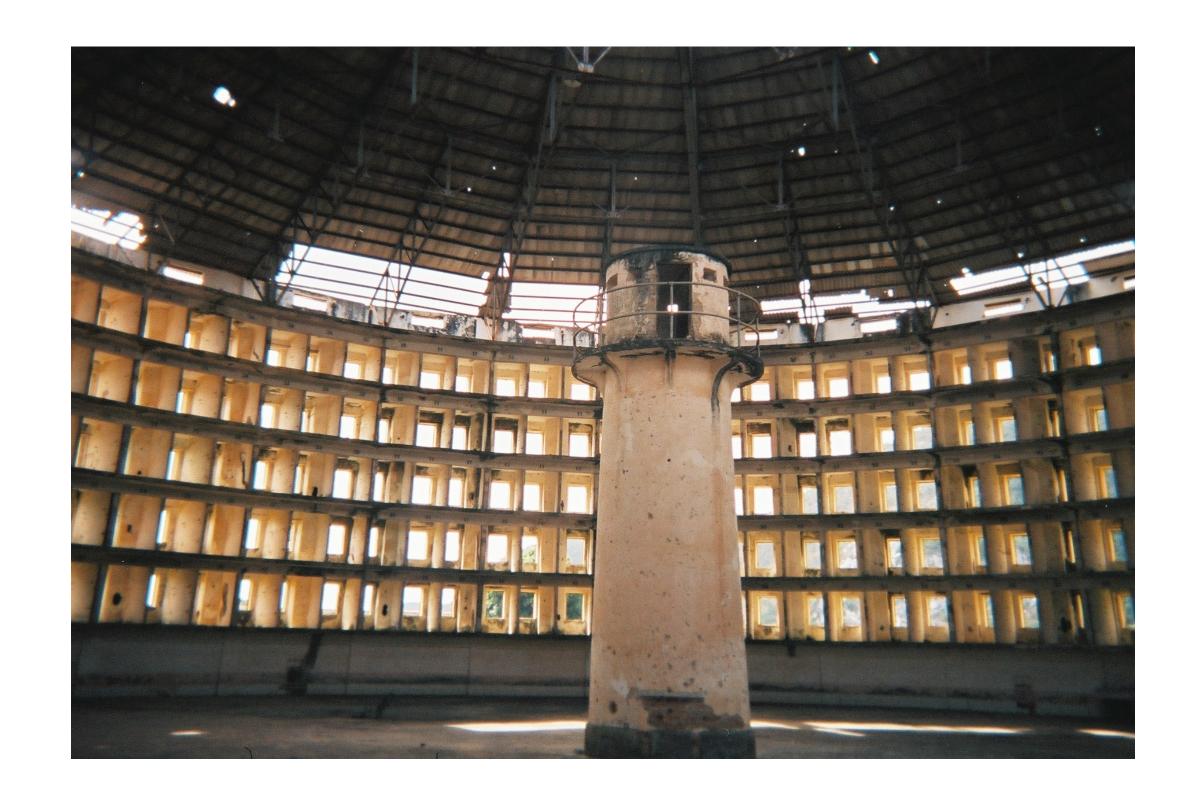


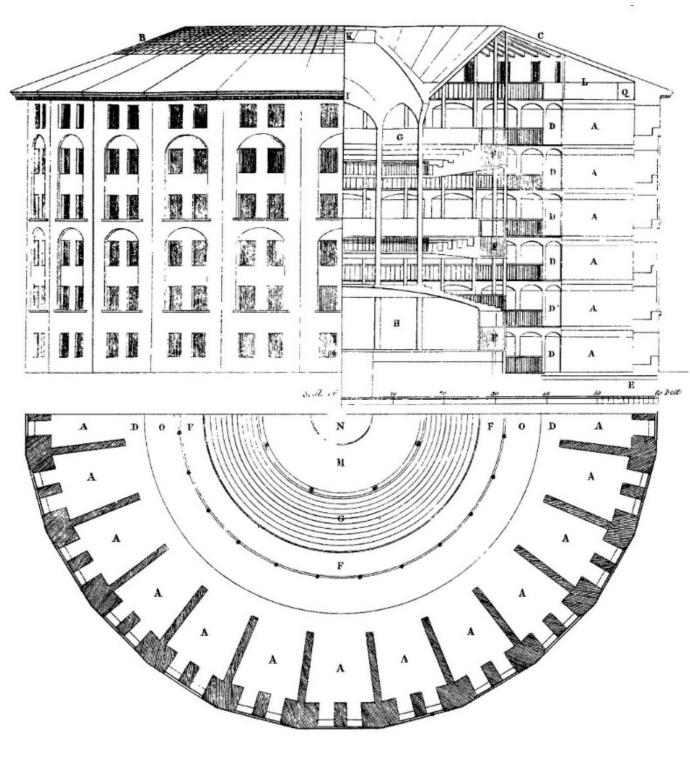
The Bad



Unobservability or Panopticon?

All user transactions run via one server/blockchain infrastructure?

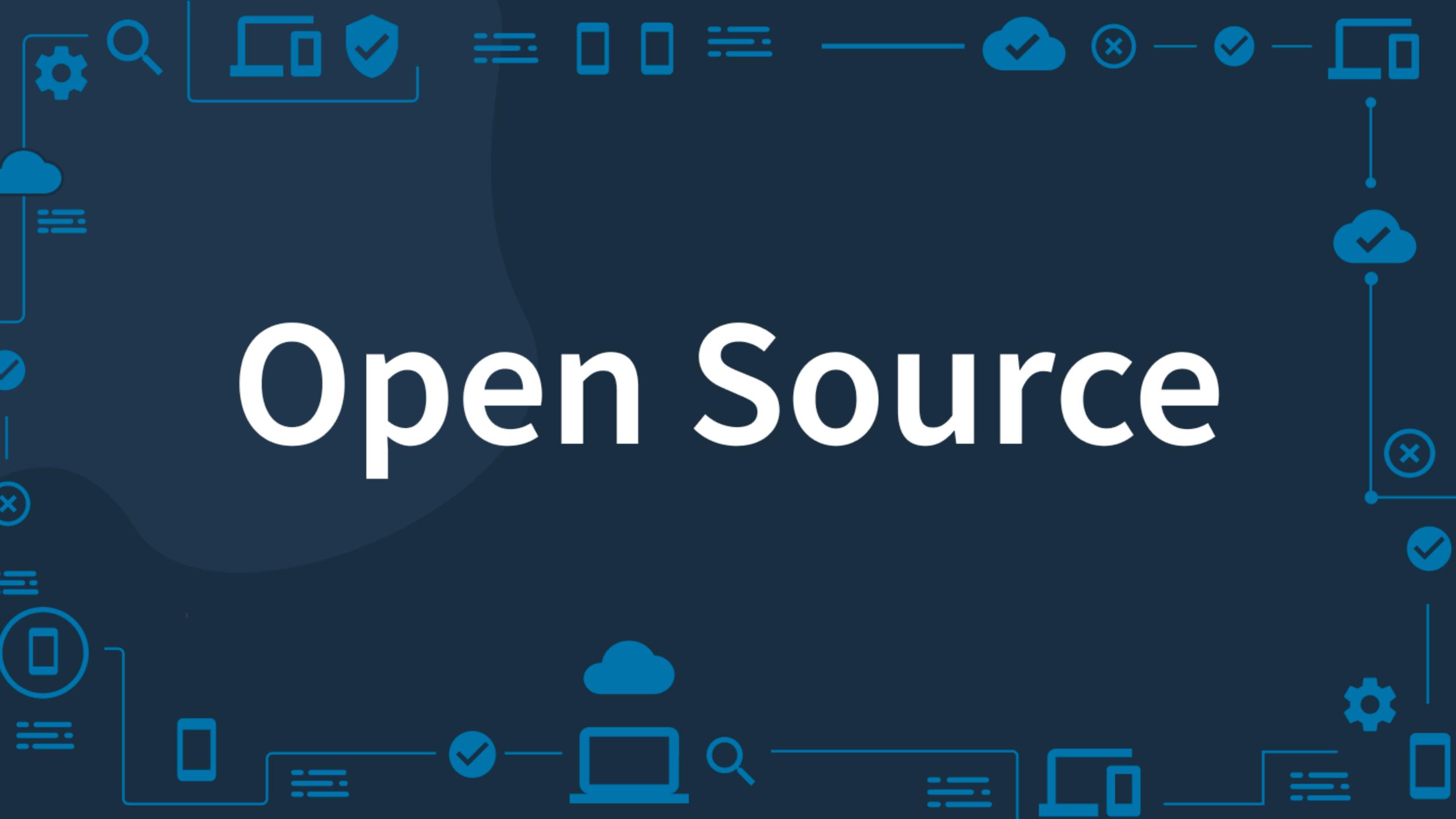




https://en.wikipedia.org/wiki/Panopticon

The Ugly







Kenya Government mandates DNA-linked national ID, without data protection law

lice Munyua February 8, 2019



World

Court orders safeguards for Kenyan digital IDs, bans DNA collecting

By Humphrey Malalo and Omar Mohammed

January 31, 2020 4:00 PM GMT+1 · Updated 4 years ago

Aa

WHAT'S NEXT?

World Domination TM



Timetable EU

June 2021: EC proposal

☐ Dec 2022: Council general approach (☐ presidency)

March 2023: Plenary vote 1st reading

☑21. March 2023: Trilogue starts(☑ presidency)

2023: Trilogue ends

(presidency)

7. Dec 2023: ITRE vote

11. April 2024: Law adopted

☐ 12. Nov 2024: Implementing acts

☐ End 2026: obligation to offer Wallet





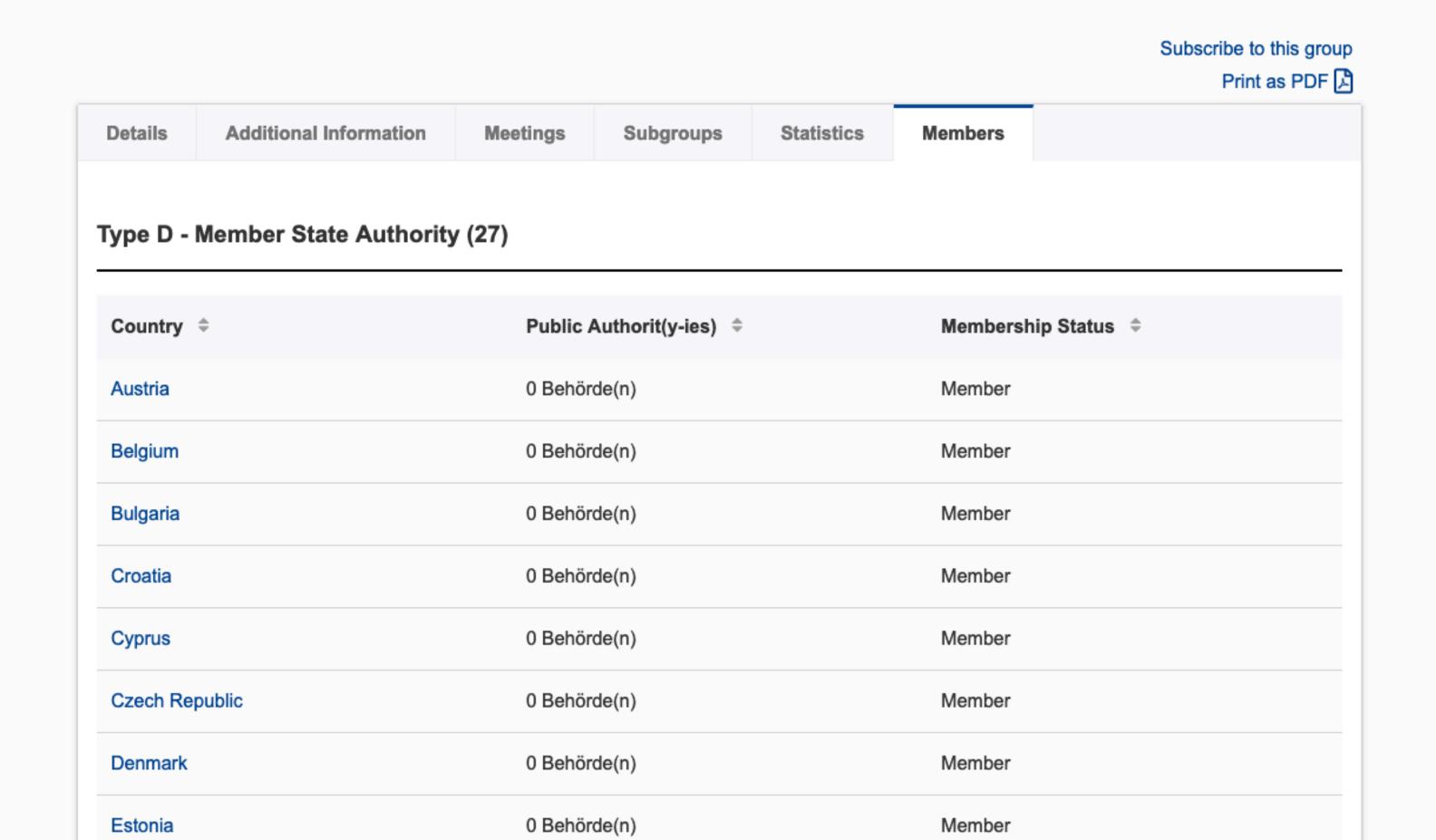
Register of Commission Expert Groups and Other Similar Entities

Home Expert Groups Meetings Members Calls for application News

Register of Commission Expert Groups > Expert Groups > Details

elDAS Expert Group (E03032)

ACTIVE



Initiatives (5)

Showing results 1 to 5

KEYWORDS European Digital Identity Wallets ⊗ FEEDBACK STATUS Open ⊗

DRAFT ACT: OPEN

European Digital Identity Wallets - certification

Topic Digital economy and society
Type of act Implementing regulation

Feedback period 12 August 2024 - 09 September 2024

"Ares(2024)5786790 Certification of European Digital Identity Wallets This implementing act lays down the requirements on Certification of the conformity of the European Digital Identity Wallets under the European Digital Identity Regulation.

Where Member States cannot use European cybersecurity certification schemes adopted pursuant to

Regulation...define the competence requirements, and an evaluation process. European Digital Identity Wallets –

certification This initiative aims to lay down the requirements"

DRAFT ACT: OPEN

European Digital Identity Wallets - protocols and interfaces to be supported

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DRAFT ACT: OPEN

European Digital Identity Wallets – integrity and core functionalities

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"Ares(2024)5786754 Functionalities and integrity of European Digital Identity Wallets The implementing act provides the necessary provisions to ensure that Member States set-up of European Digital Identity Wallets that are interoperable and that successfully enable the use of the European Digital Identity Wallets for all their intended purposes. These include secure online"

DRAFT ACT: OPEN

European Digital Identity Wallets - trust framework

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Type of act Implementing regulation

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European Digital Identity Wallets – person identification data and electronic attestations of attributes

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FEEDBACK STATUS Open ⊗

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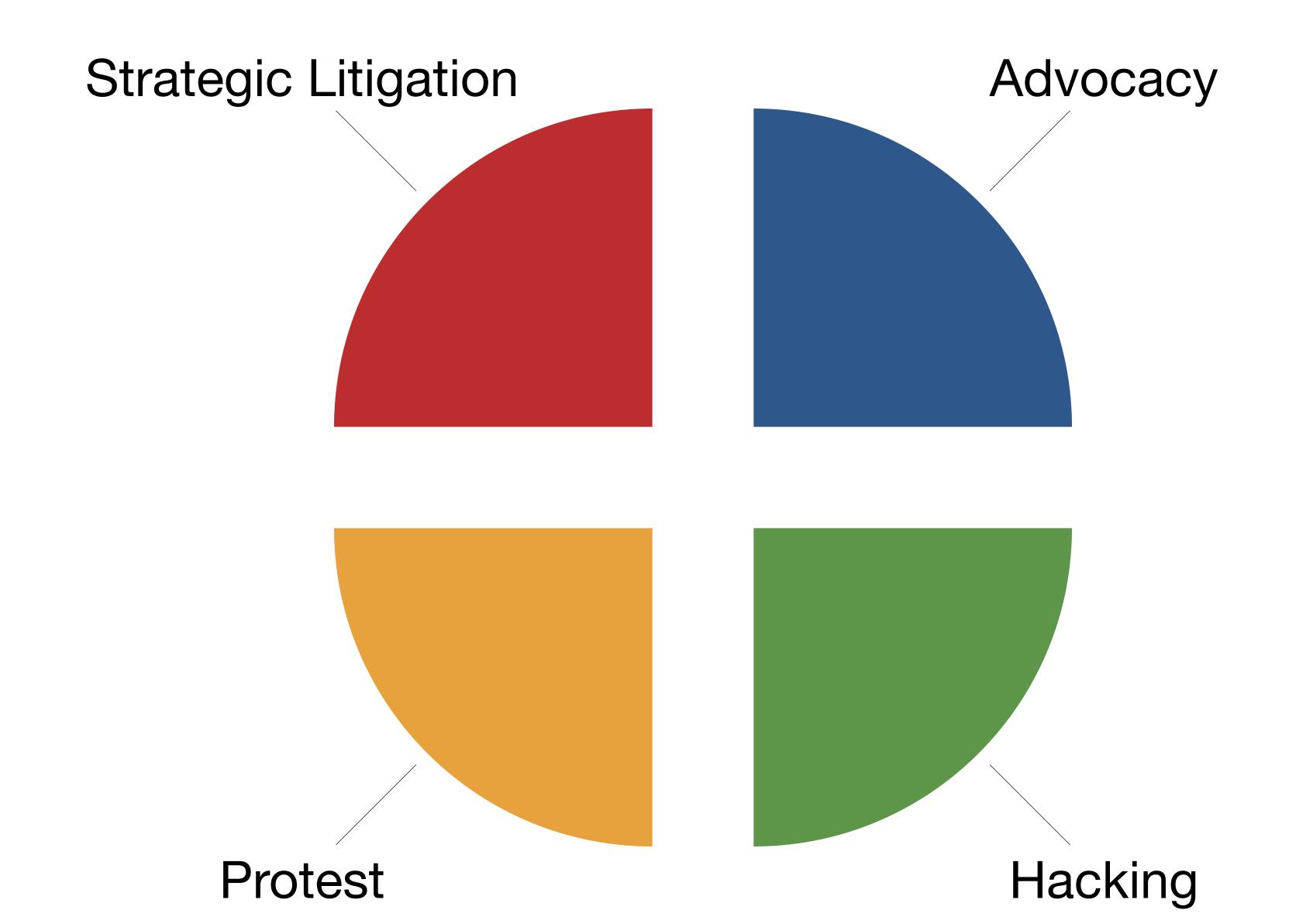
dpi-safeguards.org

Timetable UN

- Unofficial circulation of draft
- May report 1
- May-June consultation 1
- August Recommendations finalised
- □ 12 September public consultation

- 21 September 2024 Summit of the Future (Global Digital Compact)
- December 2024 final report released

Axes of Resistance





Statement of a second life

support a free internet bit by bit here

support.epicenter.works

