

Please Identify Yourself!

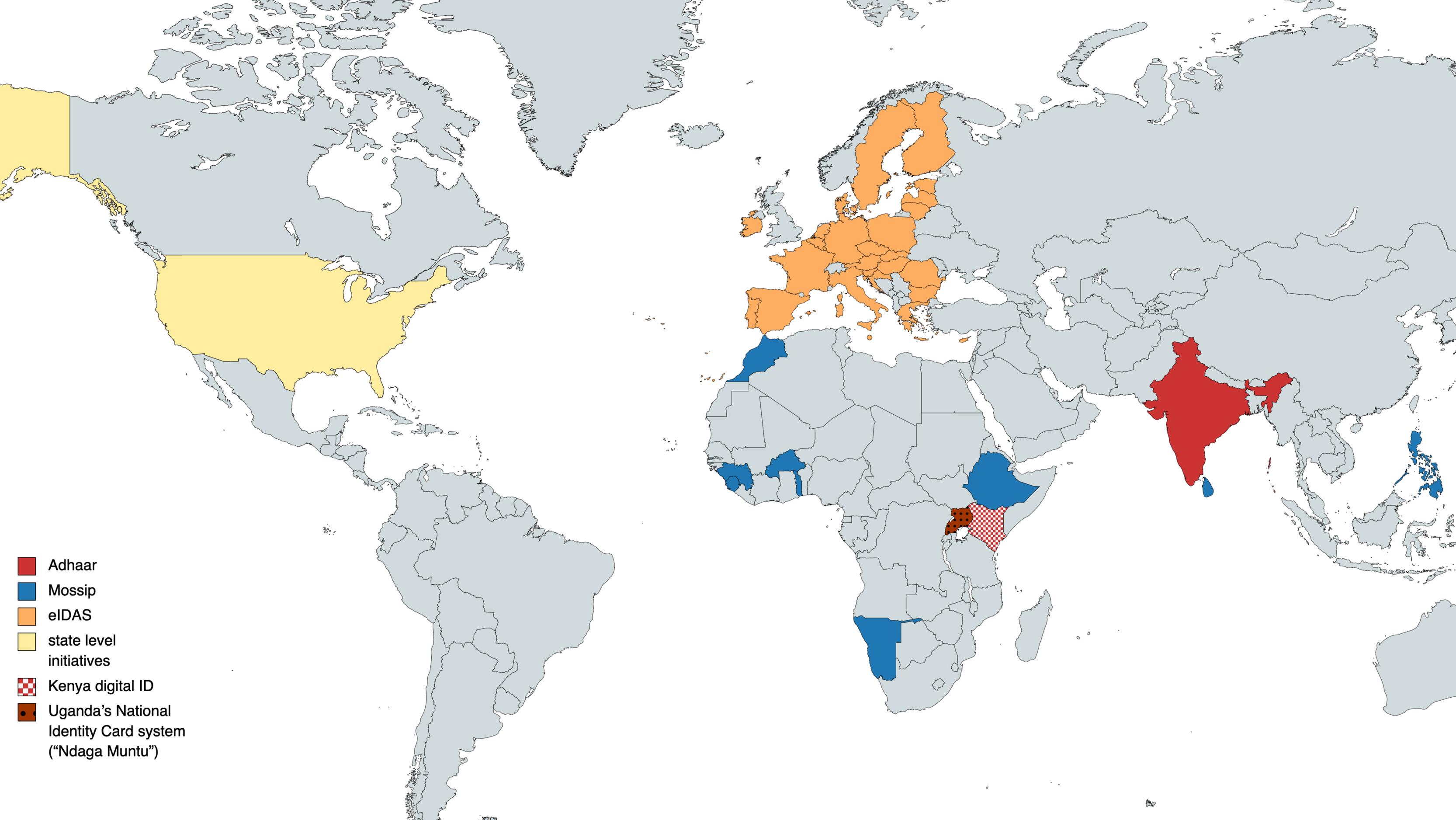
Digital Identity Systems in the EU & around the world

Thomas Lohninger (epicenter.works), Udbhav Tiwari (Mozilla)
37c3, Hamburg, 27. December 2023



WHY & WHAT

Why these systems exist and how they work



-  Adhaar
-  Mossip
-  eIDAS
-  state level initiatives
-  Kenya digital ID
-  Uganda's National Identity Card system ("Ndaga Muntu")



TARGET 16.9



PROVIDE UNIVERSAL LEGAL IDENTITY





AADHAAR

MERA AADHAAR, MERI PEHACHAN



AADHAAR: HOW IT WORKS AND HOW IT'S EVOLVED

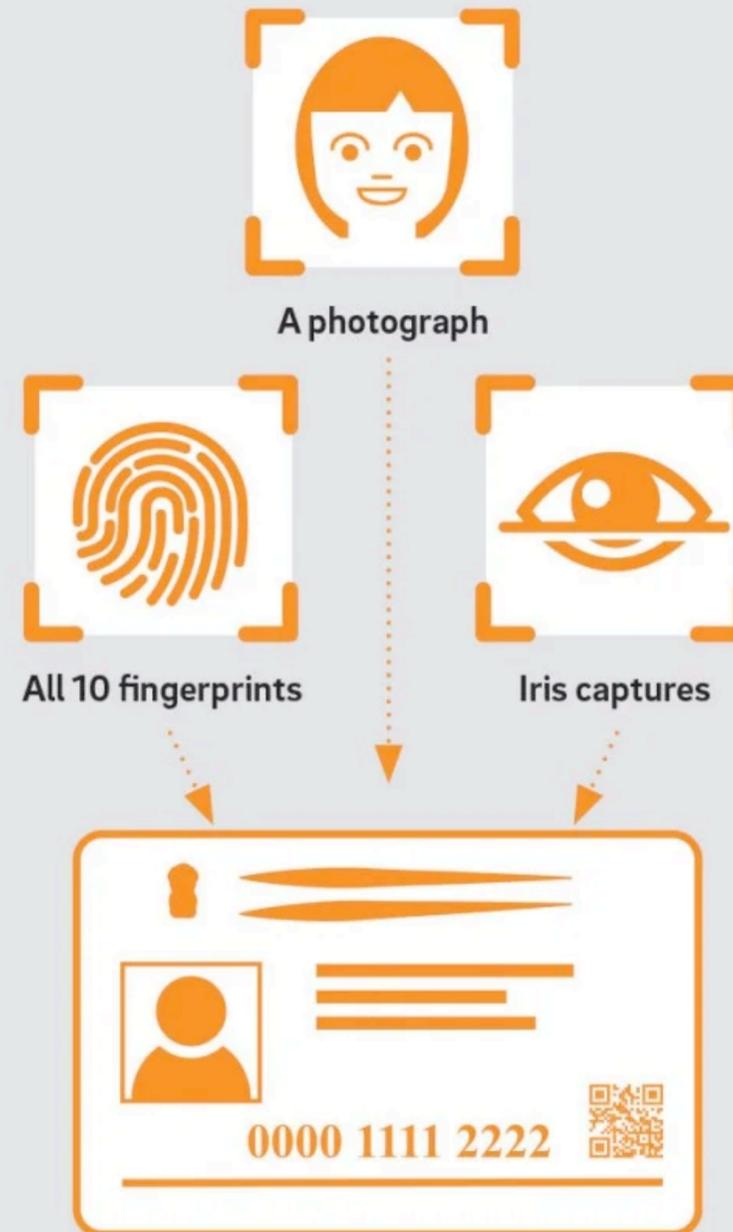
The enrolment process

To ensure that each person receives only one Aadhaar number, the UIDAI (Unique Identification 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:

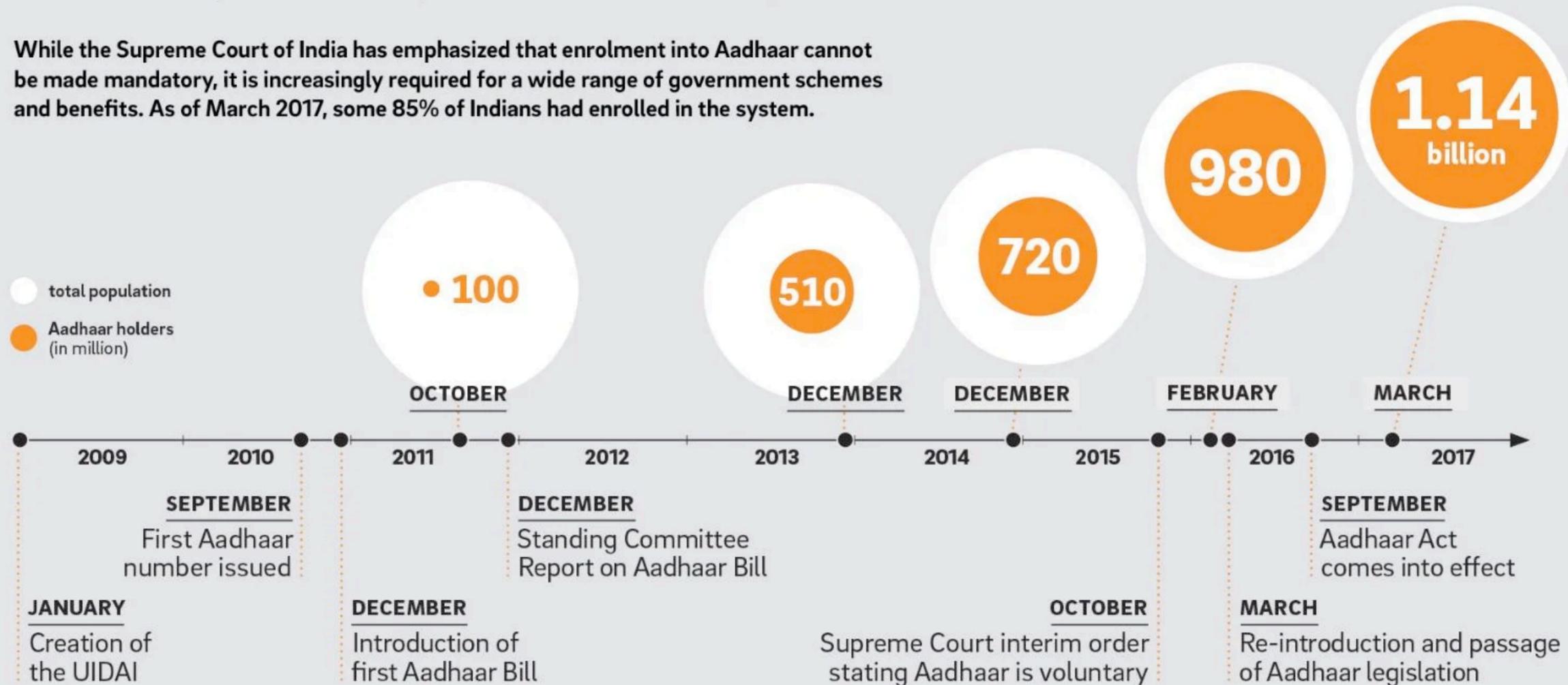
- Universal, digital and secure
- Linkable to multiple applications
- Suitable for use as a banking address



AADHAAR: HOW IT WORKS AND HOW IT'S EVOLVED

The Aadhaar system: on the path to universal coverage

While the Supreme Court of India has emphasized that enrolment into Aadhaar cannot be made mandatory, it is increasingly required for a wide range of government schemes and benefits. As of March 2017, some 85% of Indians had enrolled in the system.



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



#AadhaarChildEnrolment

To enroll your child for #Aadhaar, you only need the child's birth certificate or the discharge slip from the hospital and the Aadhaar of one of the parents.

List of other documents that you can use for the child's enrolment: uidai.gov.in/images/commdoc...



#AadhaarChildEnrolment

TO ENROLL FOR BAAL AADHAAR
YOU ONLY NEED

1. Child's Birth Certificate or Govt. Hospital Discharge Slip or The child's school ID*
2. Aadhaar of one of the parents**



To Locate Nearest
Aadhaar Centre
SCAN



*Photo ID issued by recognized educational institution

**The parent needs to visit Aadhaar Kendra with the child (age below 5 years) for biometric authentication

For any assistance/query: Call **1947** (Toll-free) or email at help@uidai.gov.in

[f @AadhaarOfficial](#) [@Aadhaar_Official](#) [@UIDAI](#) [@UIDAI](#) [@AadhaarUID](#)

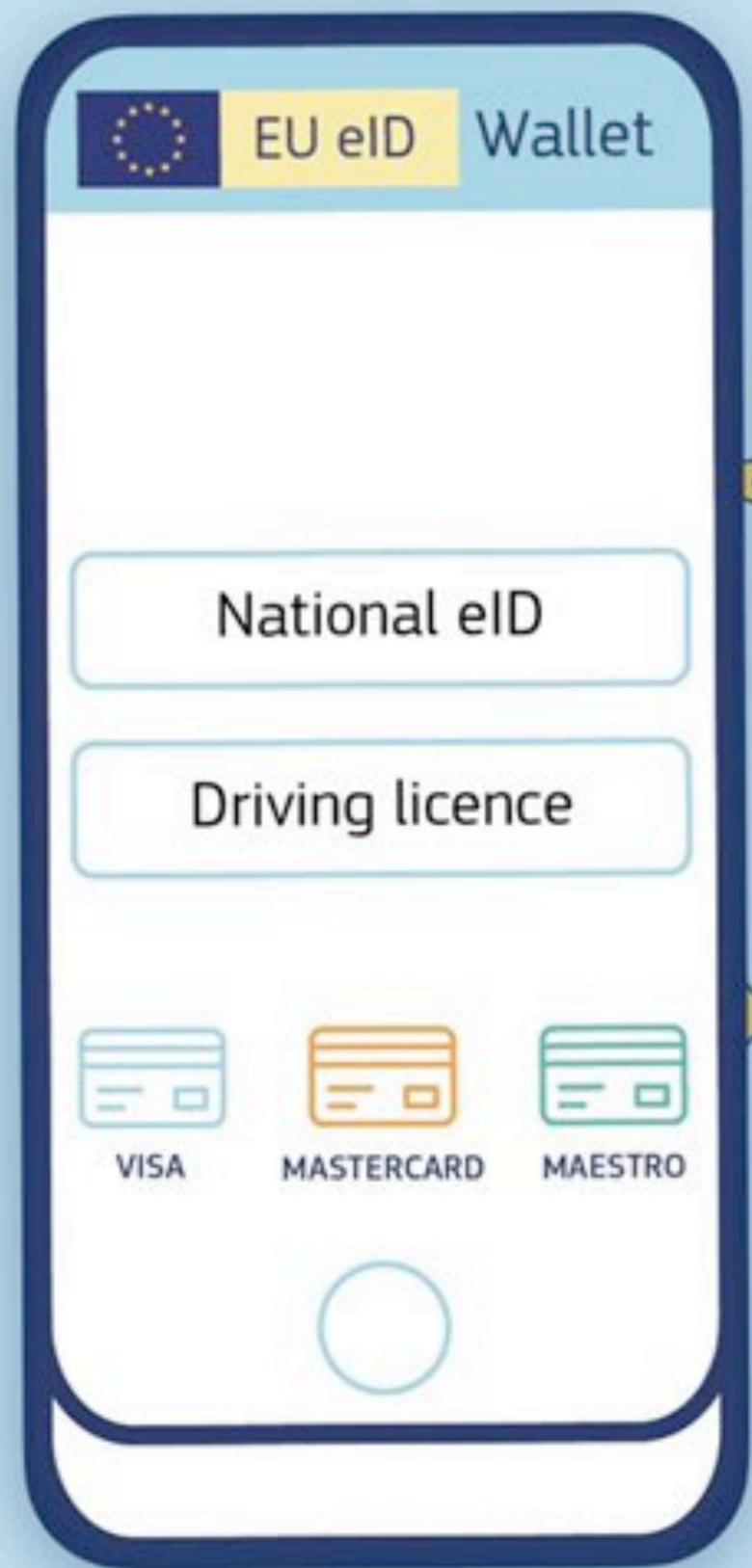
4:30 AM · Jul 27, 2021



	What is it?	What is in it?	Who is the owner?
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

India Stack



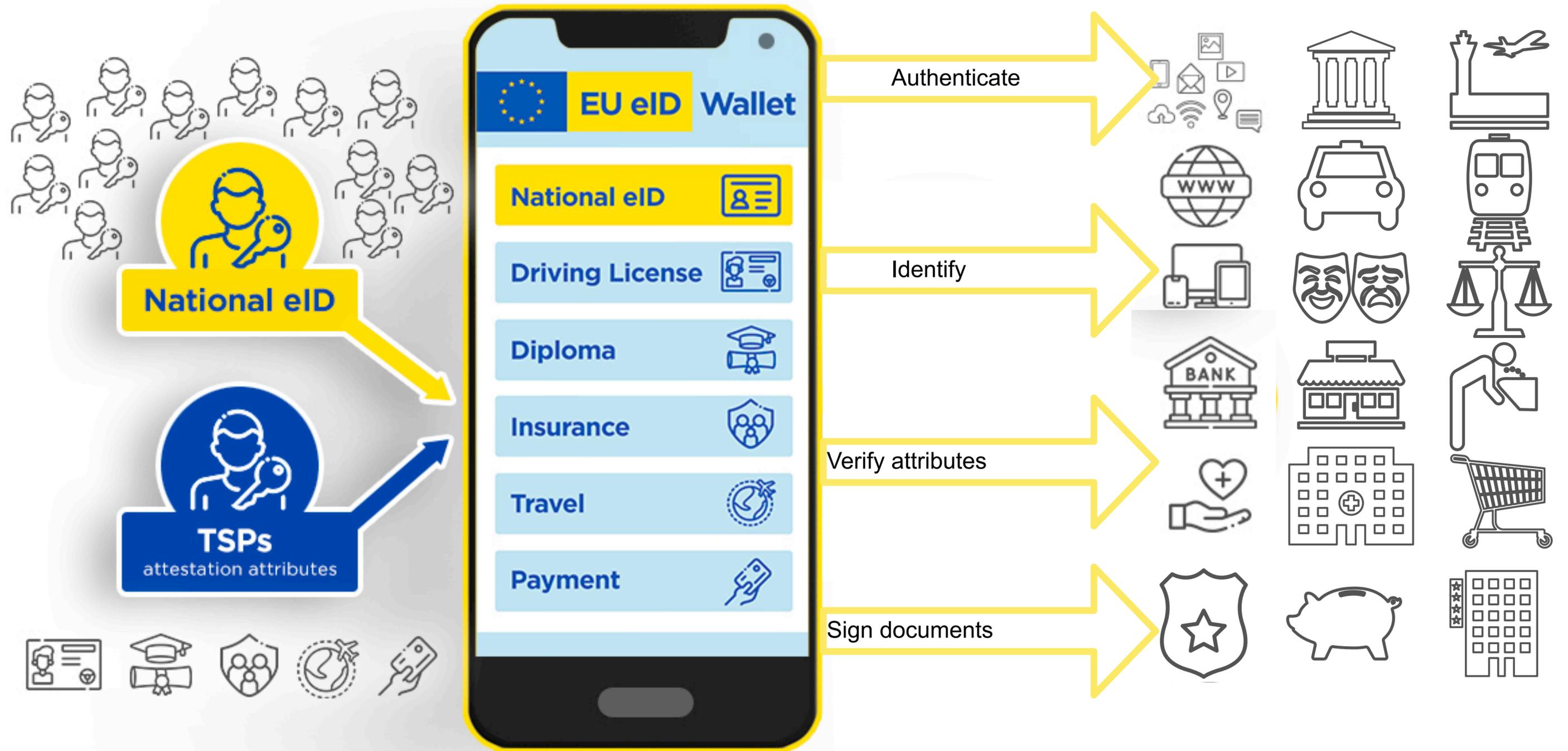


**EU DIGITAL
IDENTITY**

Issuer

Holder

Relying Parties



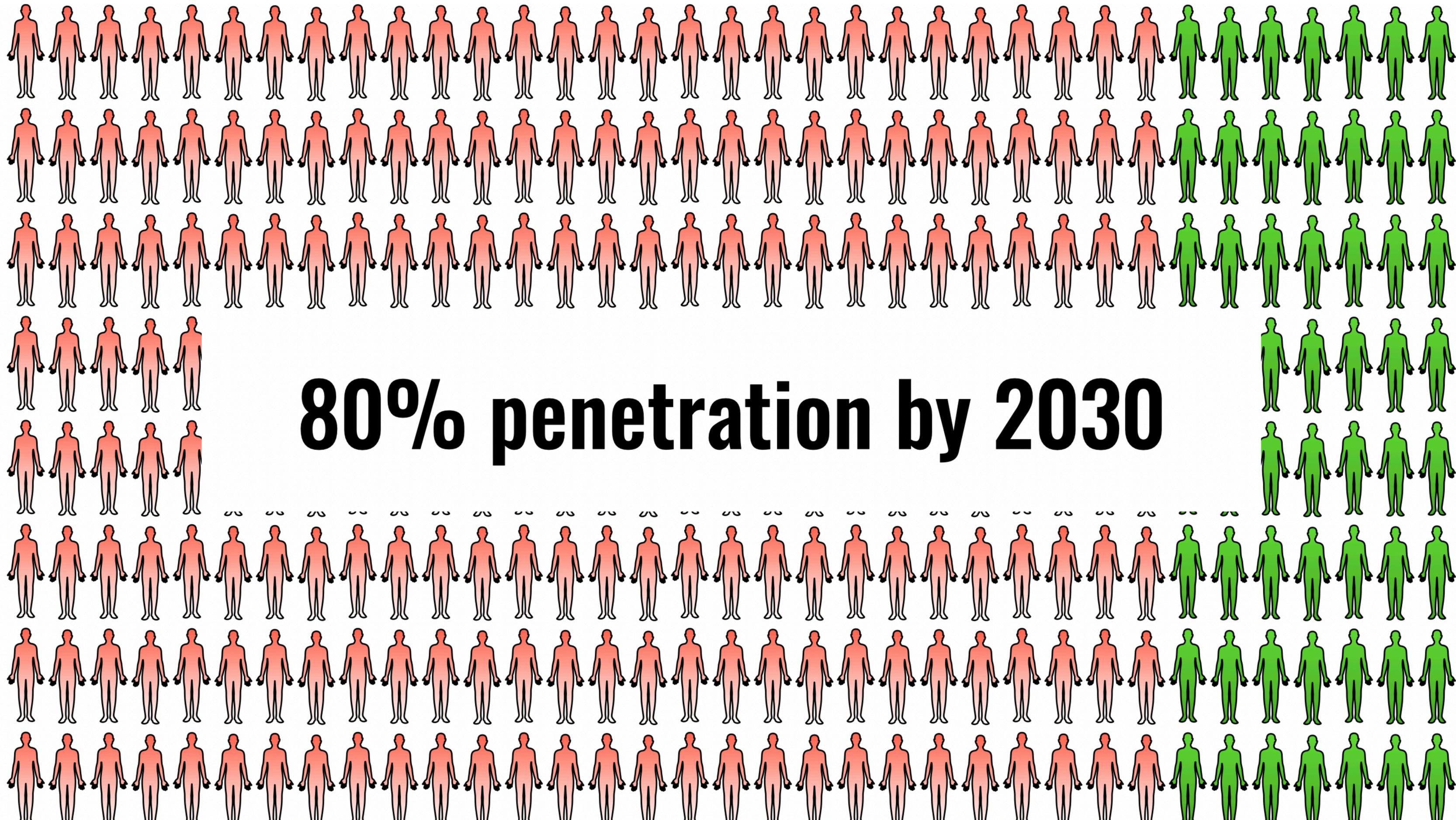
Universal Infrastructure

to identify, authenticate and verify attributes

about legal and natural persons

vis-à-vis government and private sector

online and offline.



80% penetration by 2030



Facebook Login



Twitter Login



Google Login



Sign in with Apple



amazon

schufa

Google

facebook



Telefónica



MOTEL ONE

TABACCO SHOP

Deutsche Bank



axel springer



BUNDESNOTARKAMMER
KÖRPERSCHAFT DES ÖFFENTLICHEN RECHTS

OTTO



RISKS

What can go wrong

Personal data of a billion Indians sold online for £6, report claims

Newspaper says it bought access to details from world's largest biometric database, used to administer public services



Women in Kolkata protest against the government's decision to link free lunch meals for children at state-run schools with Aadhaar cards. Photograph: -/AFP/Getty

Michael Safi in Delhi

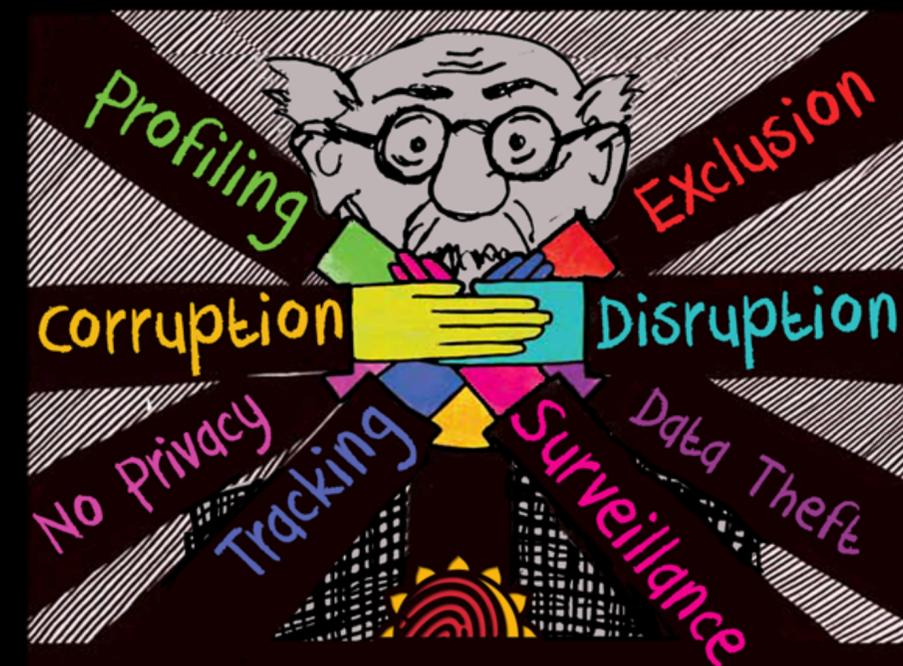
@safimichael

Thu 4 Jan 2018 12.20 CET

The Supreme Court hearings on Aadhaar will start in mid Jan. We urge you to make your voice heard.

Fed up with needless forced Aadhaar linkage?

**THERE IS NO MORE TIME.
SPEAK UP NOW!**



Aadhaar Nahi, Sudhaar Chahiye!

Research and Action

AADHAAR DATA LEAKS

IMPACT COULD BE MASSIVE

9 yrs since Aadhaar was launched



1.19B enrolled members

₹87.94B spent on enrollment

99% Indians aged 18 and above have an Aadhaar no.

100+ services require an Aadhaar no., to go up to **252** by Mar 31, 2018; includes **21** welfare schemes

50,000 agents suspended for violating guidelines

210 data leaks till Nov 2017

30 FIRs filed for violation of Aadhaar Act

Source: Lok Sabha Questions, news sources



Government of Jharkhand



Aadhaar Enabled Biometric Attendance System

Search Employee



Home



Reports



Employee



Dashboards



Information



Name: [REDACTED] RANA

Designation: Police

Location: CM Secretariat

Department: CM Secretariat

Unit: Secretariat

Mobile: *****218

Email: [REDACTED]@gmail.com

Status Verified true

Graphical Textual

Present Absent Holiday Leave Invalid/Future Date

Employee Name	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
[REDACTED] RANA																																



CEO Telangana

@CEO_Telangana

Link to empower - Link to progress. Don't just vote, make a difference by linking your Aadhaar card and your Voter ID today.

#ceotelangana #ecisveep #LinkToEmpower @ECISVEEP

भारत निर्वाचन आयोग
Election Commission of India

#PurityofElectoralRolls
#OnePersonOneVote

Link your Aadhaar card and Voter ID card to empower yourself
"Link for a better tomorrow"

"Link to Empower"

विश्वासालातु
https://voters.eci.gov.in Or Call 1950
Download Voter Helpline App

संप्रदिचंदि
f CEOTelangana CEO_Telangana
@CEOTelangana ChiefElectoralOfficerTelangana

प्रधानं ननिकल अडिडारि
तेलंगारा
www.ceotelangana.nic.in

Spokesperson ECI and Election Commission of India

7:27 AM · Apr 21, 2023 · 852 Views



8825-XXXX-7705

4529-XXXX-6789

Aadhaar Number: 8825-XXXX-7705 ✓
Name: K**** S***** ✓
Mobile: +91 88*** **28 ✓

DOB: XX-XX-1986 ✓
Gender: * ✓

Aadhaar Address: ✓ on 21.05.2016
Current Address: ✓ on 23.05.2016
Police Verification: ✓ on 28.05.2016

Enter OTP

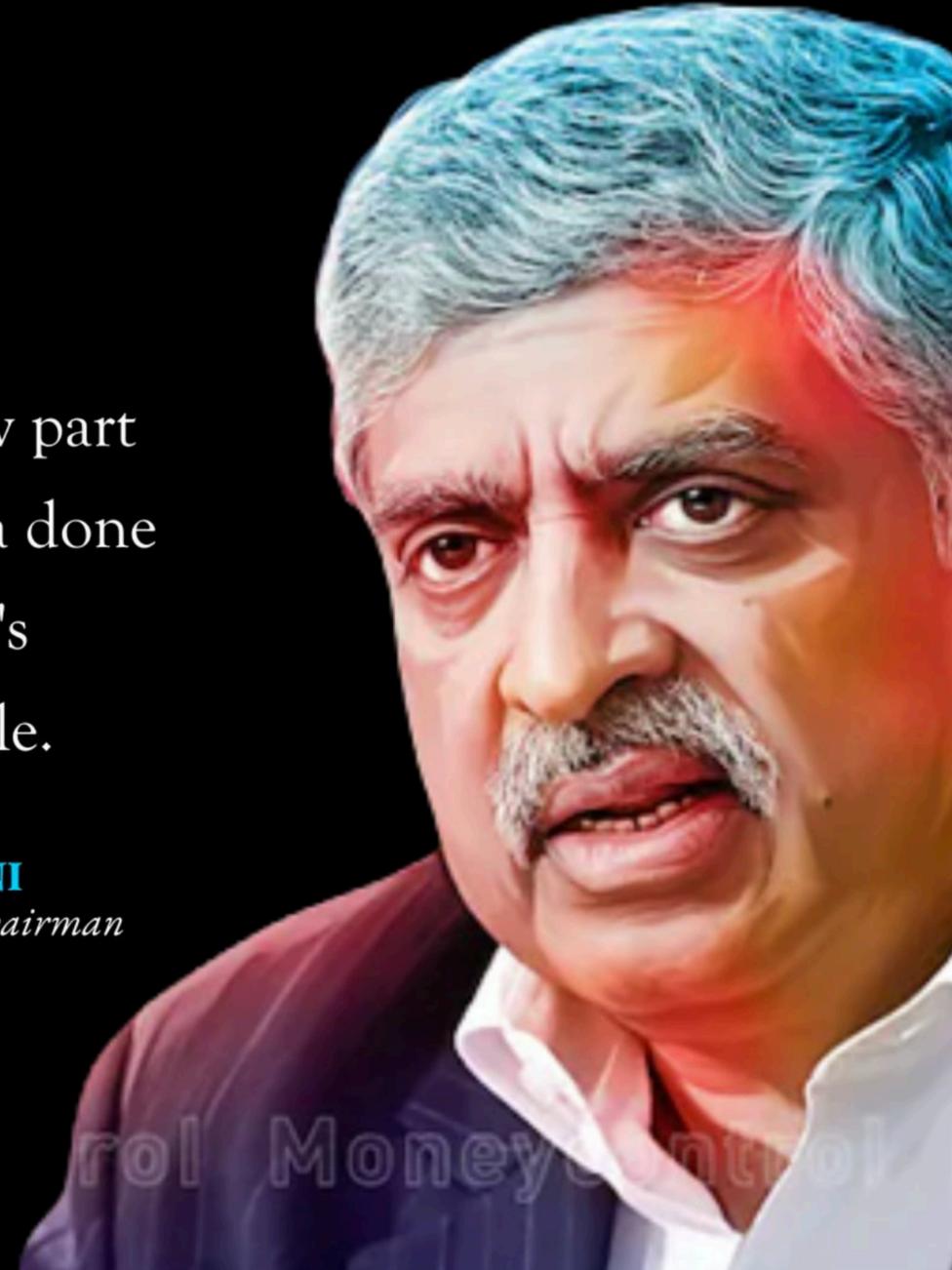
Aadhaar-Enabled Trust Bureau of India

moneycontrol

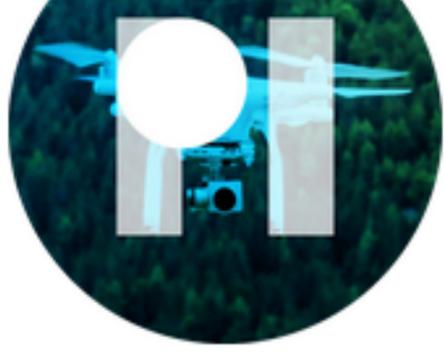
Aadhaar is now part
of culture, it's a done
deal. So now it's
yesterday's battle.

NANDAN NILEKANI

Infosys co-founder and chairman



rol Moneycontrol



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





Right to Pseudonymity



Zero Knowledge Proofs





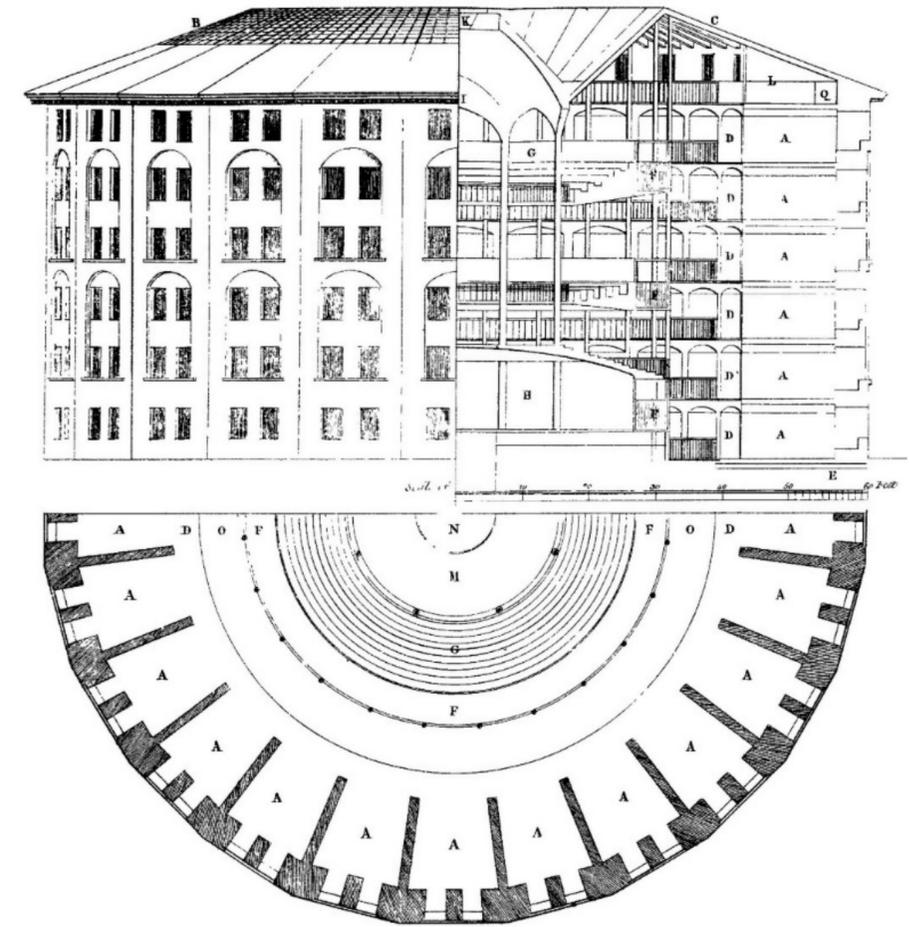


USE CASE

The Bad

Unobservability or Panopticon?

All user transactions run via one server/
blockchain infrastructure?



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

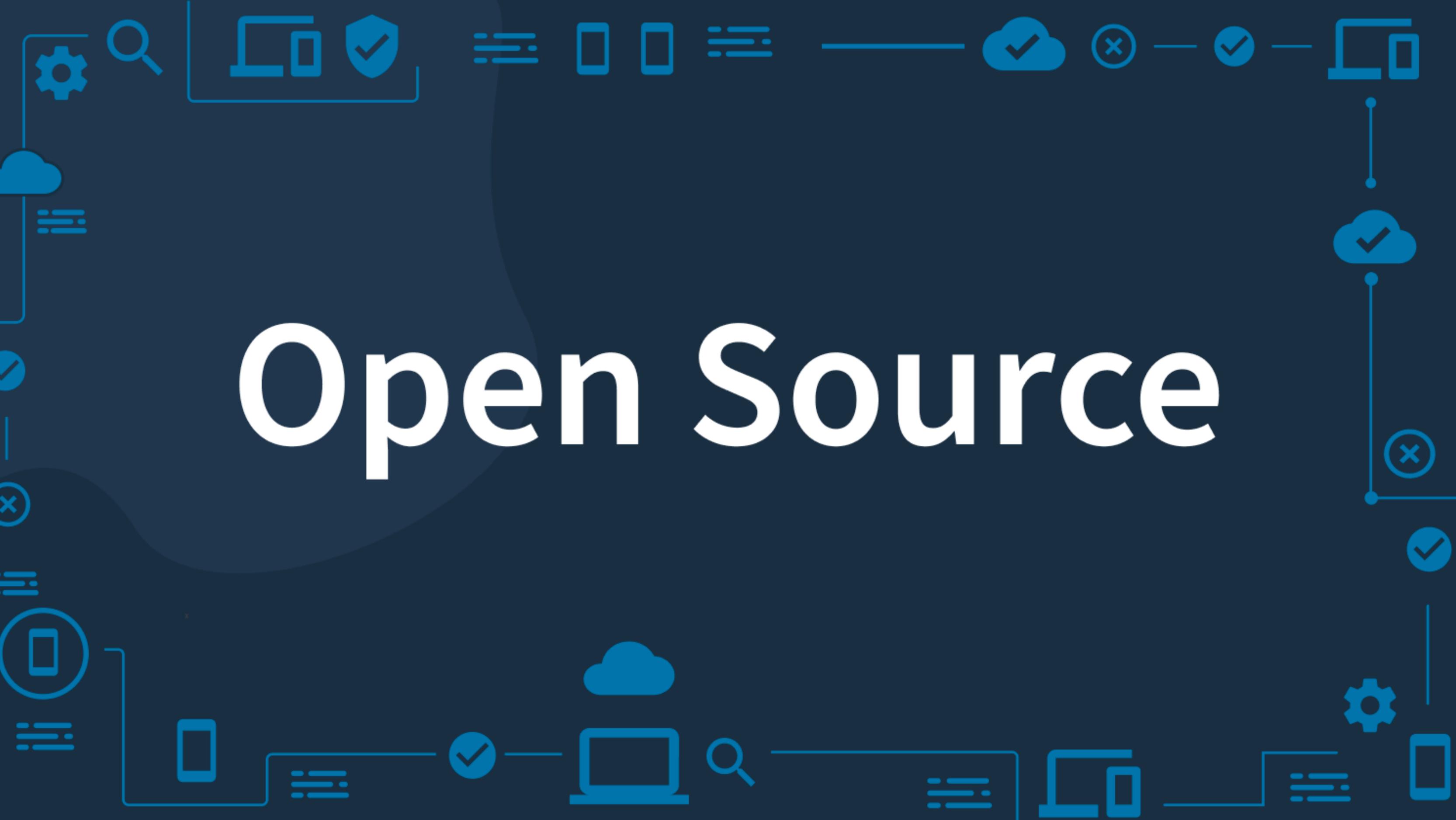
The Ugly



VIRUS ALERT!

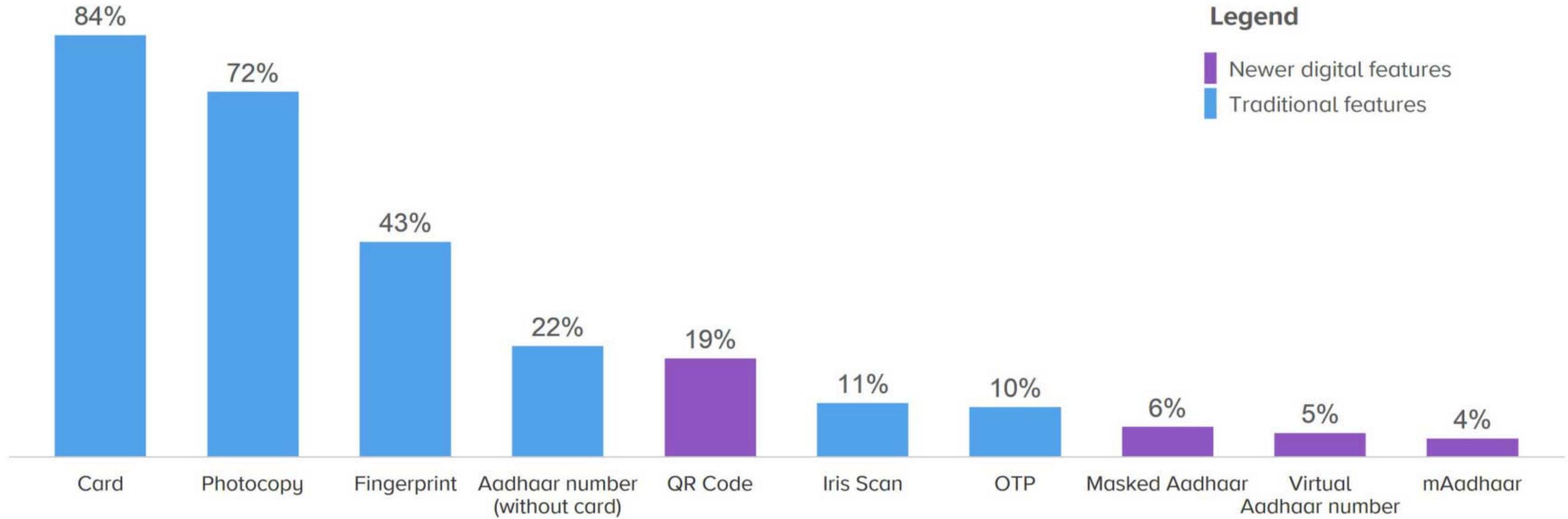
Warning! Threat detected!
A MALICIOUS ITEM HAS BEEN
DETECTED

Open Source



Use of different forms and features of Aadhaar

% of respondents who have Aadhaar



Open Policy & Advocacy

Mozilla's official blog on open Internet policy initiatives and developments

Explore

Categories



AFRICA

DATA PROTECTION

DIGITAL ID

POLICY

PRIVACY

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

Alice Munyua | February 8, 2019



REUTERS®

World

Business

Markets

Sustainability

Legal

Breakingviews

Technology

Investigations

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





WHAT'S NEXT?

World Domination™



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
- 6. Feb 2024: Plenary vote 2nd reading
- ~ Aug 2024: Implementing acts
- ~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](#)

eIDAS Expert Group (E03032)

ACTIVE

[Subscribe to this group](#)

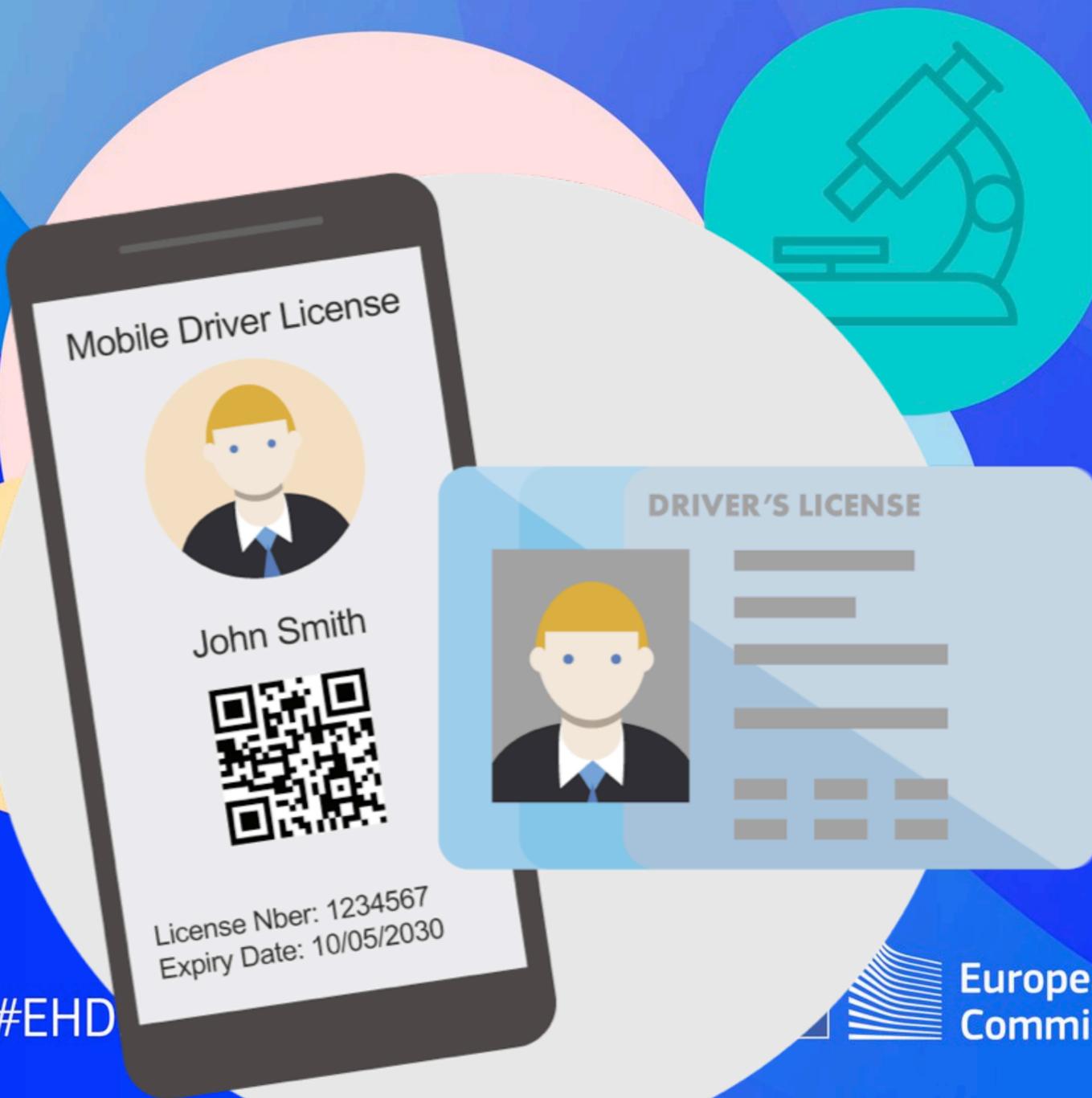
[Print as PDF](#) 

[Details](#) [Additional Information](#) [Meetings](#) [Subgroups](#) [Statistics](#) **[Members](#)**

Type D - Member State Authority (27)

Country 	Public Authorit(y-ies) 	Membership Status 
Austria	0 Behörde(n)	Member
Belgium	0 Behörde(n)	Member
Bulgaria	0 Behörde(n)	Member
Croatia	0 Behörde(n)	Member
Cyprus	0 Behörde(n)	Member
Czech Republic	0 Behörde(n)	Member
Denmark	0 Behörde(n)	Member
Estonia	0 Behörde(n)	Member

The European Health Data Space



Chatkontrolle Stoppen!



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.



United Nations
Office of the Secretary-General's
Envoy on Technology



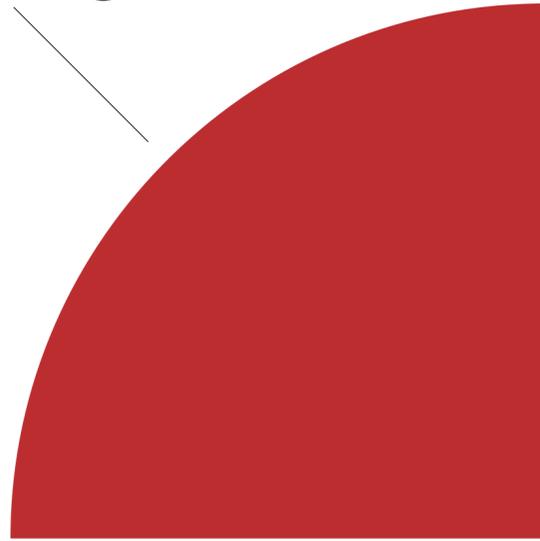
dpi-safeguards.org

Timetable UN

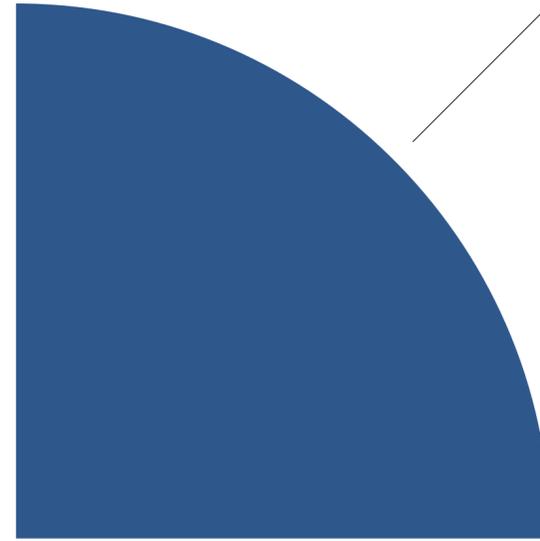
- Unofficial circulation of draft
- 13 February consultation 1
- 1 March consultation 2
- 8 March written input
- 2 April 1st reading
- 2 May 2nd reading
- 16 May 3rd reading
- ~May UN Civil Society conference (Nairobi, Kenya)
- 21 September 2024 Summit of the Future (Global Digital Compact)

Axes of Resistance

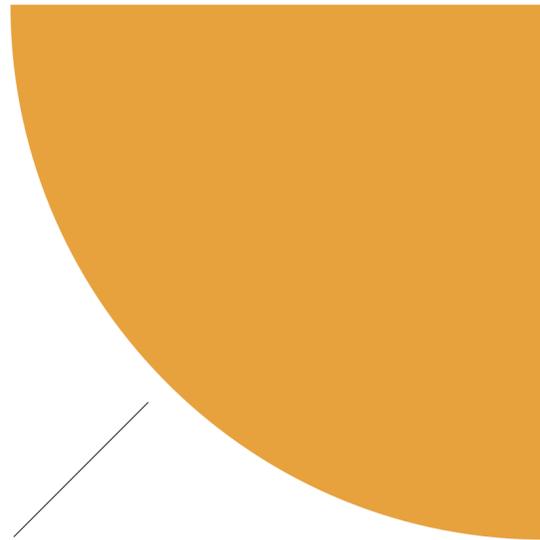
Strategic Litigation



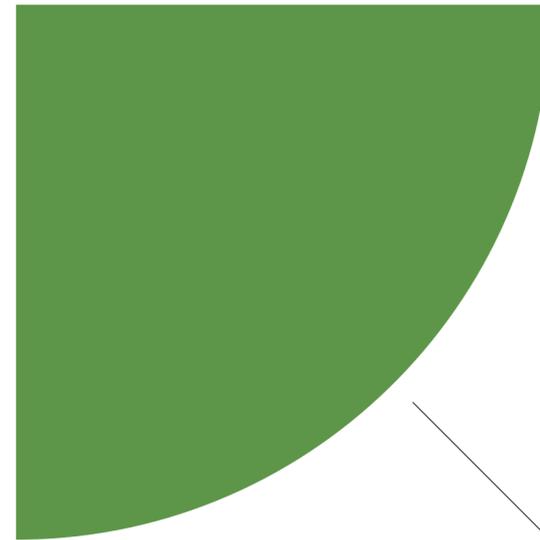
Advocacy



Protest



Hacking



**I HELPED SAVE THE INTERNET.
YOU CAN TOO.**

support a free internet
bit by bit here

support.epicenter.works

