



Digital Strategy for Public Infrastructure: India's Experience

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Digital Progress must be Human-Centric



Help **solve societal challenges**



Unleash innovation across the ecosystem



Empower individuals and small businesses

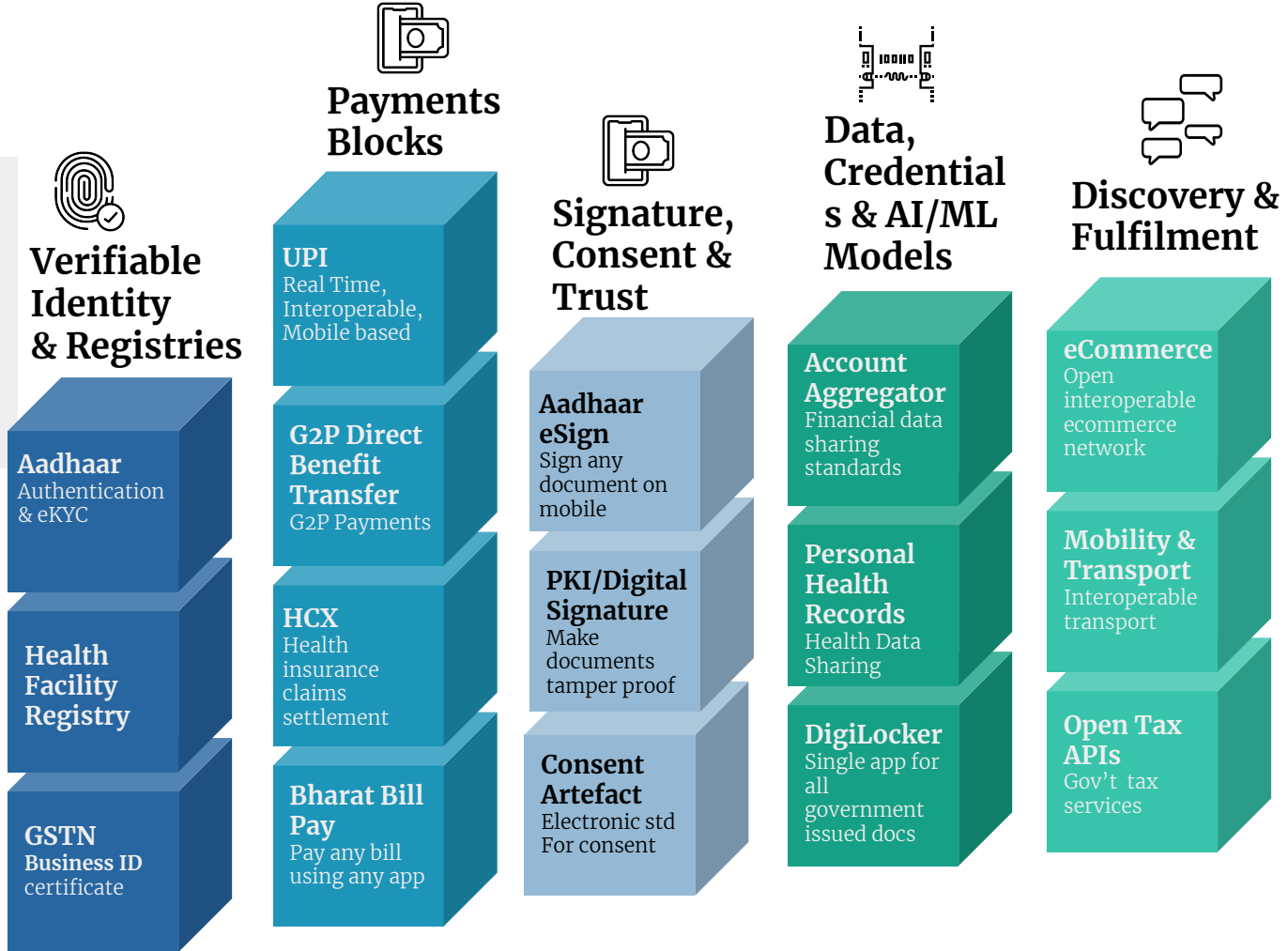
The Internet is a global public good but...

It lacks:

- verifiable identity
- native real-time transfer of value (like money)
- individual-control of data



India has built public goods, known as DPIs



Governance has been embedded into the Laws, Institutions, & Technology



Regulators can Regulate, Innovators can Innovate

Core societal and government needs

- Access
- Affordability
- Choice
- Equity
- Opportunity
- Agency
- Privacy
- Trust



- Sovereignty
- Inclusion
- Economy
- Productivity
- Innovation
- Competition
- Governance
- Security

That's why we build (physical) public infrastructure



But, societies are fast going digital



While technology is a great leveller, how do we ensure choice, access, and equity while ensuring competition, innovation, and sovereignty?

8

Investing in Digital Public Infrastructure is key

India in 2008



Ambitious Socio-Economic Reform Agenda using Technology



**From
Portals
to
Platforms**

Aadhaar



Institution (NIU)

Unique
Identification
Authority of India
(UIDAI)



Legal

Aadhaar Act, 2016

Rules & Regulations by
UIDAI

Technology

- ✓ Privacy-Preserving 12 Digital Unique Identifier
- ✓ Online Authentication & KYC through Standard APIs
- ✓ Offline Decentralised Authentication & KYC
- ✓ Certified Ecosystem of Multiple Participants (Enrollment Agencies, Device Providers, etc)



Societal Challenges requires refinement of the platform-centric approach



From Platforms to Protocols

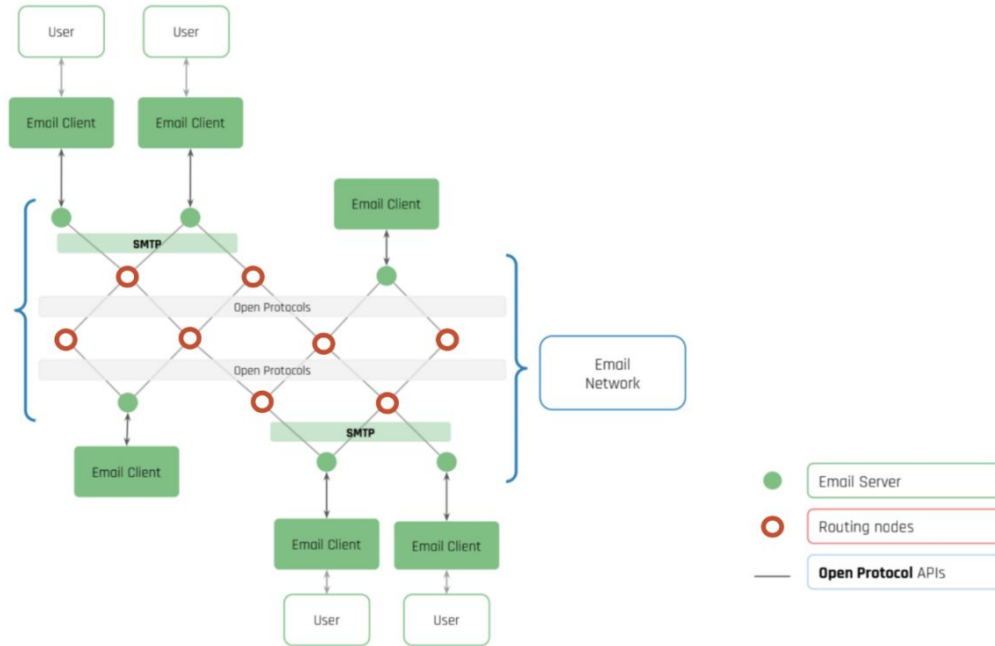


Fig. 3. Email as an example of an Open Network

Unified Payments Interface (UPI)



Institution (NIU)

National Payments Corporation of India (NPCI)



Legal

Regulated by Central Bank (RBI)

Prevention of Money Laundering Act (PMLA, 2002) for KYC

Payment and Settlement Systems Act, 2007

Technology

- ✓ Open Protocol for Digital Payments from any store of value (Bank Account, Wallet, Credit Card)
- ✓ P2P, P2M, G2P, any type of transaction with limits
- ✓ Certified Ecosystem of Multiple Participants (Unbundling of Liability)



50+ Mn

Acceptance Points

300+ Mn

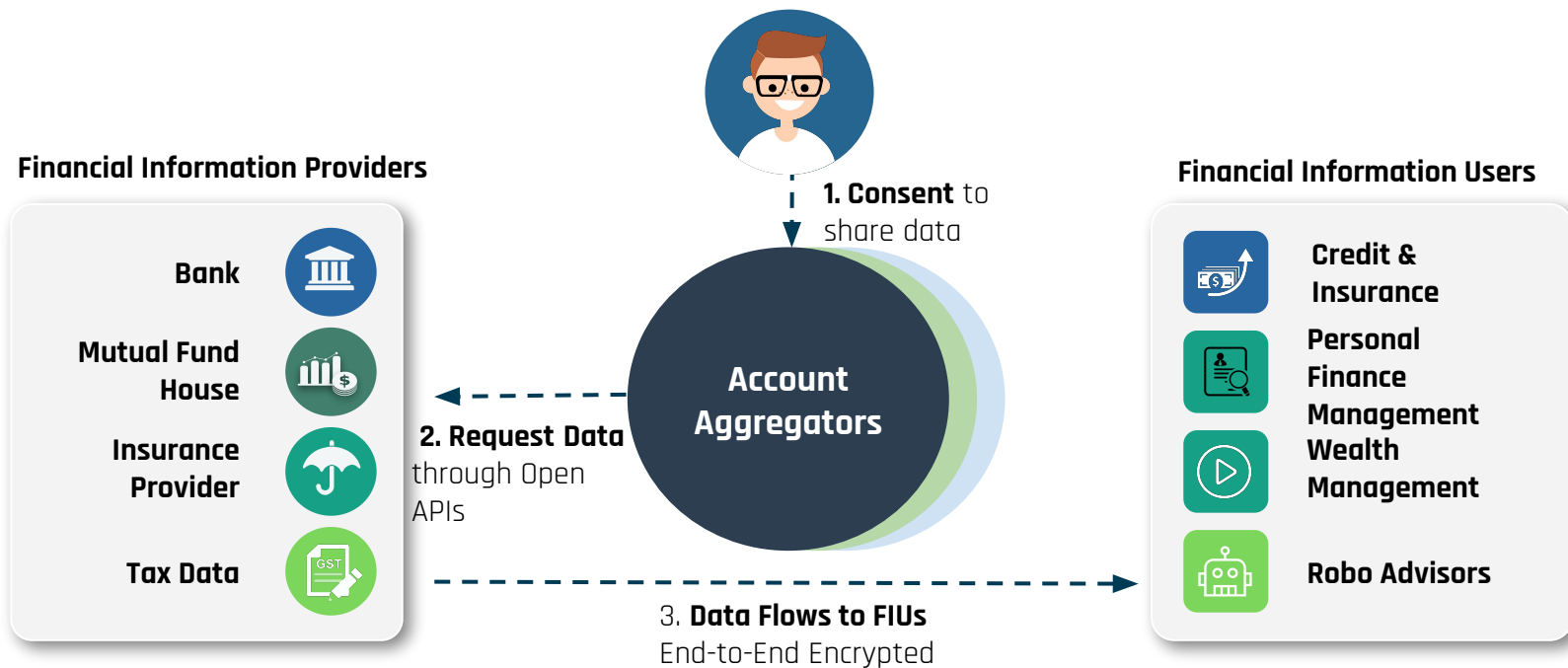
users

9.9+ Bn

txns/month

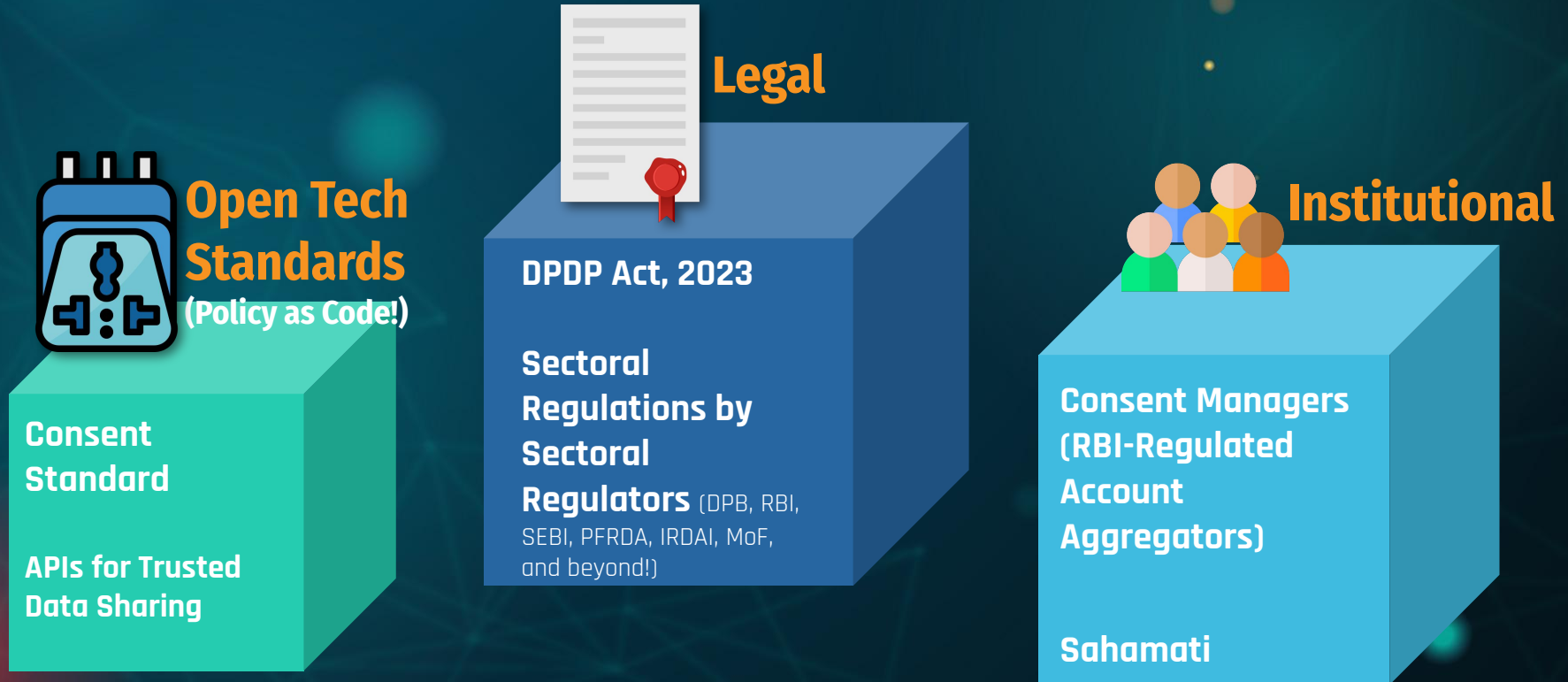
Account Aggregator

Part of India's Data Empowerment & Protection Architecture



Three Pillars of Governance for Data Empowerment

Multi-Sector, Multi-Provider approach



Account Aggregator is NOT a government run central data sharing platform

It is a DPI that powers a diverse private data innovation ecosystem of 390+ Financial Institutions across sectors!

The image displays a comprehensive list of financial institutions and fintech companies, categorized by regulatory bodies. The logos are arranged in a grid format, with labels on the left side indicating the regulatory category:

- TSPs:** Includes logos for Megasoft, WonderLond Hubs, FinBox, Yubi, Duruva, Protium, Arya ai, PSB Loans, TCS, Tata Consistency Services, EPS, SETU, FinBox, ISG, AuthBridge, GLIB, central, and Pirimid.
- LIVE FIUS:** Includes logos for Gromor, Lenditt, snapmint, Hinduja Leyland Finance, Wonder Home Finance, MyLoanCare, Ruppy, Pockety, KMG Global, Indifi, India Shelter Home Loans, Fullerton India, i-Loan, snapmint, Quadrillion Finance, SEEDS, Piramal Capital & Housing Finance, Vistara Finance, Muthoot Finance, PayU, Lendinr, NEOGROWTH, U GRO, DMI Finance, W, FinAGG, LifeFM, and others.
- LIVE FIPS:** Includes logos for Axis Bank, Yes Bank, R M G B, IndusInd Bank, ICICI Bank, Karnataka Bank Ltd., SBI, Federal Bank, SBI Life, and many others.
- AAS:** Includes logos for Yodlee, FinSoft, N@DL, Unemoney, Saafe, PhonePe, NSDL e-Gov, Protean, Anumati, CRF, FINVU, CAMSfinserV, HDFC Life, Canara, HSBC, ICICI Prudential, Kotak, Edelweiss Tokio, BankBazaar, TATA AIA, MAX LIFE, Allmax, Policy Bazaar, Perfios, Think360, SCIENTAPIC, finezza, TransUnion, Signzy, Jocat, and others.

A photograph of a woman wearing a yellow sari and a yellow headscarf, looking out of a window. She has a bindi on her forehead and is resting her chin on her hand. The background is dark, and the window frame is visible. The text is overlaid on the bottom half of the image.

**DPI creates a model that is
inclusive, equitable & open access,
innovative, leaving no one behind.**

Photo by [Tom Chen](#) on [Unsplash](#)



Thank You!

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