DPI in Agriculture

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DIASCA Workshop

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Academic & Non Profit

Centre under IIIT-B University



Tech Architecture Advice

Pro bono, software neutral



Global Action Bias

Team of practitioners

Who, Why, and What We Are at the Centre for DPI



Digital Public Infrastructure (DPI) drives exponential non-linear change

Physical Infrastructure

Railways, Roads, Cell Towers, Internet cables

Digital Infrastructure

to catalyse digital services

Open tech standards & systems for Identity, Signatures, Payments, Data,

Fulfillment, and beyond

Both drive Public & Private Innovation

Inspired by the original digital infrastructure: Internet, GPS, and Mobile

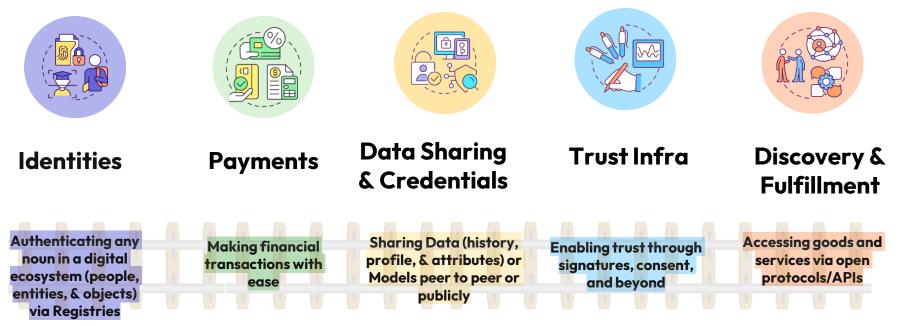




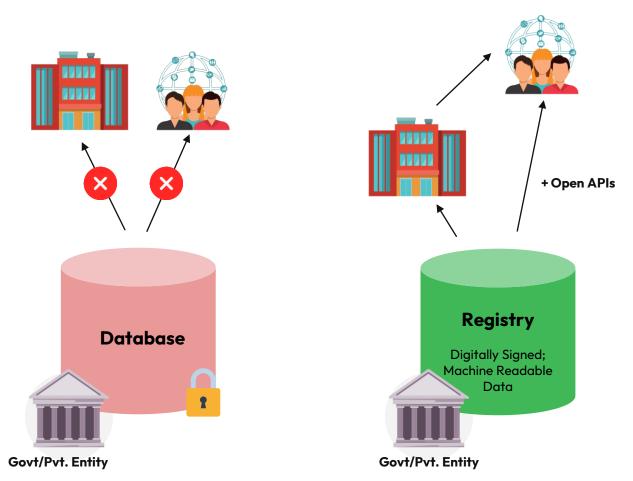
Foundational Digital Public Infra Categories



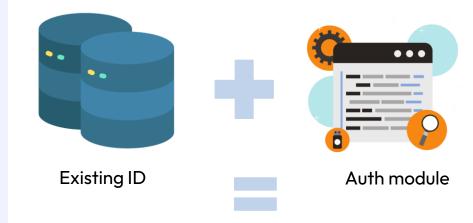
within & across sectors



Registries turn databases into reusable infra ensuring it stays updated & gets used by third parties!



How can users authenticate themselves to get access to services?



G2P benefits, onboarding for commerce, access to agri loans and many more!







A tailored approach to **data sharing**

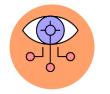


Realtime Information Exchange-

Granular, extensive personal transaction data like **real time crop conditions, market prices**

Verifiable Credentials - Brief profile fields or credential data like **land records**

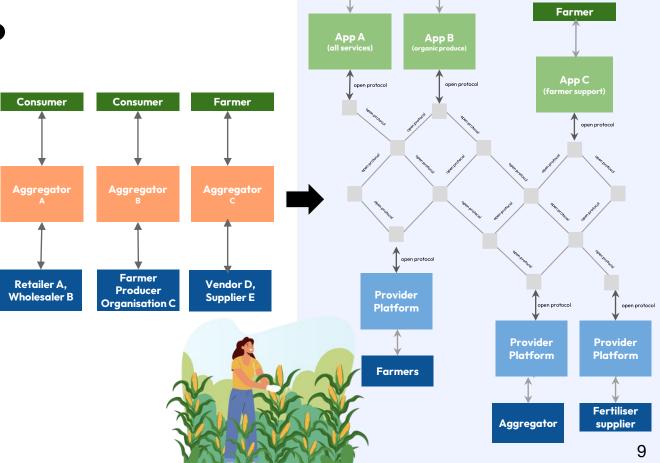
Avoid centralisation Accessibility to private agripreneurs



Open datasets - Anonymised, aggregated data for research, monitoring like **climate data**

From Platforms to an Open Agri Network

Discovering services from any provider to any consumer via any app



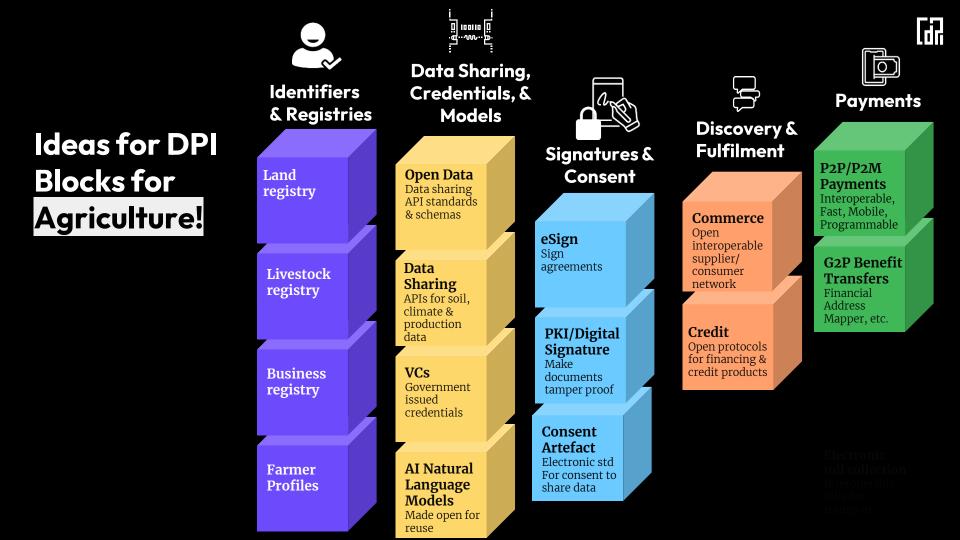
Consumer

Consumer



DPI Technical Architecture Principles make digitisation inclusive & scalable







Thank you!

