

# DPIs from a Sectoral Lens

12 June 2025

# How are 'Sectoral DPI' evolving?

1.Digital Public Infrastructure in Health

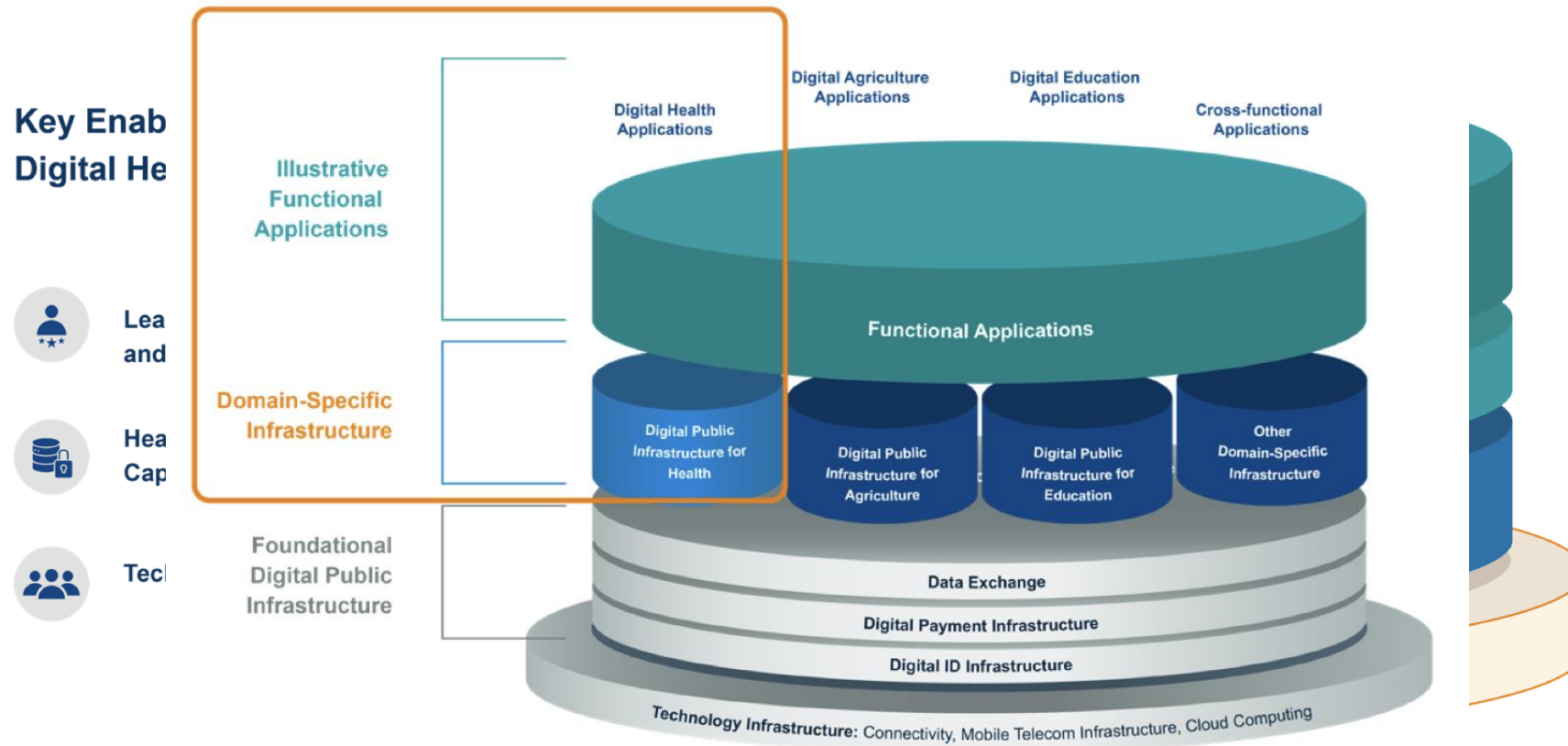
2.Digital Agriculture 'Stacks'



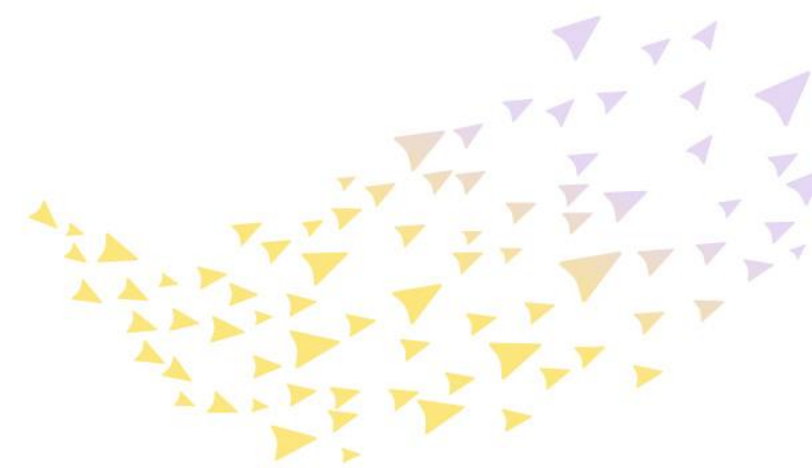


# Health

# DPI - Health



# DPI – Health / User Journeys



- User-journey-based approach to identify the components of DPI-H that would enable a range of health applications.
- Looking into details of the user journeys, associated digital health interventions and functionalities, and the underlying DPI-H needed for scaled operation.
  - User Journey 1: **Client Engagement with Primary Health Services**
  - User Journey 2: **Improving Healthcare Provider Performance and Efficiency**
  - User Journey 3: **Strengthening Surveillance and Outbreak Management**

# DPI – Health / Mapping Journeys with Infrastructural Requirements

Supporting DPGs and Functional Applications													
DPI-H	Illustrative Supporting DPGs and Global Goods	Open Curated Data											
		Open AI Models											
		Open Curated Content											
	Health Data Security Framework	Consent, Security, and Authorization Protocols	X	X	X	X	X	X	X	X	X	X	X
	Canonical Registries	Facility Registry	X	X	X		X	X	X	X	X	X	X
		Product Registry	X		X			X		X			X
		Client Registry		X		X		X	X			X	
		Health Worker Registry		X			X	X	X		X	X	X
		Terminology Service		X		X	X	X	X		X		X
	Health Domain Interoperability	Interoperability Layer, Messaging Standards & Orchestration	X	X	X	X	X	X	X	X	X	X	X
	Scaled Health Services	SHR		X	X	X		X	X	X		X	X
		EIR		X	X			X	X	X			X
		LMIS		X	X				X	X			X
		LIS		X	X			X	X	X		X	X
		HRIS		X				X	X	X	X	X	X
		IDSR										X	X
		IMIS		X	X		X	X					
Foundational DPI and Technology Infrastructure	Central Data Repositories	Data Warehouses and Analytics				X				X	X	X	X
	Foundational Digital Public Infrastructure	Mapping Infrastructure	X									X	X
		Payments Infrastructure					X						
		Cross-Sector Data Exchange Infrastructure											X
		Identity Infrastructure					X	X	X		X	X	
	Technology Infrastructure	Connectivity	X	X	X	X	X	X	X	X	X	X	X
		GSM Messaging Networks				X	X	X	X		X	X	X
		Cloud Computing				X			X				X

Source: A framework for conceptualizing digital public infrastructure for health (DPI-H), Vital Wave.  
<https://digitalsquare.org/resourcesrepository/2023/10/26/digital-public-infrastructure-for-health>



# DPI– Health / Closer look at systems

## Functional Applications for Health

### Point-of-Service Applications



## Digital Public Infrastructure for Health

### Quality Assured Content and Interoperability Standards

#### Business Domain Services



#### Registry Services



### Quality-Assured Content and Interoperability Standards

## Foundational Digital Public Infrastructure

### Foundational DPI Services



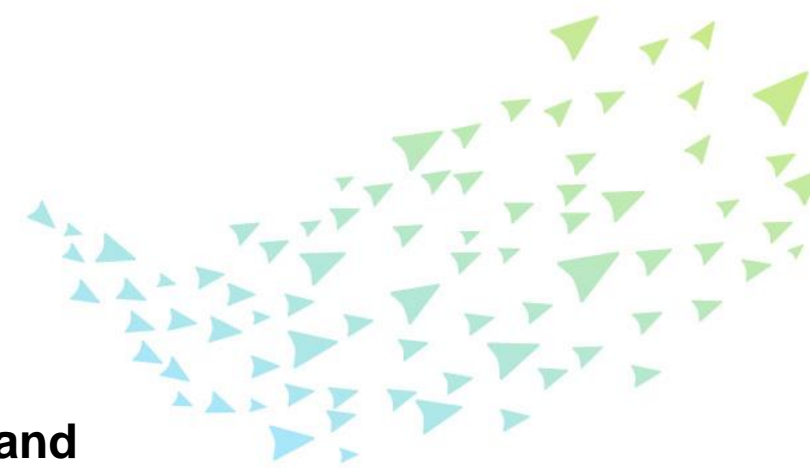
# Agriculture



# Initiatives

**Multiple initiatives across the sector; mix of country specific/focused and global approaches**

- **AgStack (Global)**
- **AgriStack (Country specific: India)**
- **FarmStack (Country specific: Ethiopia)**



# AgriStack

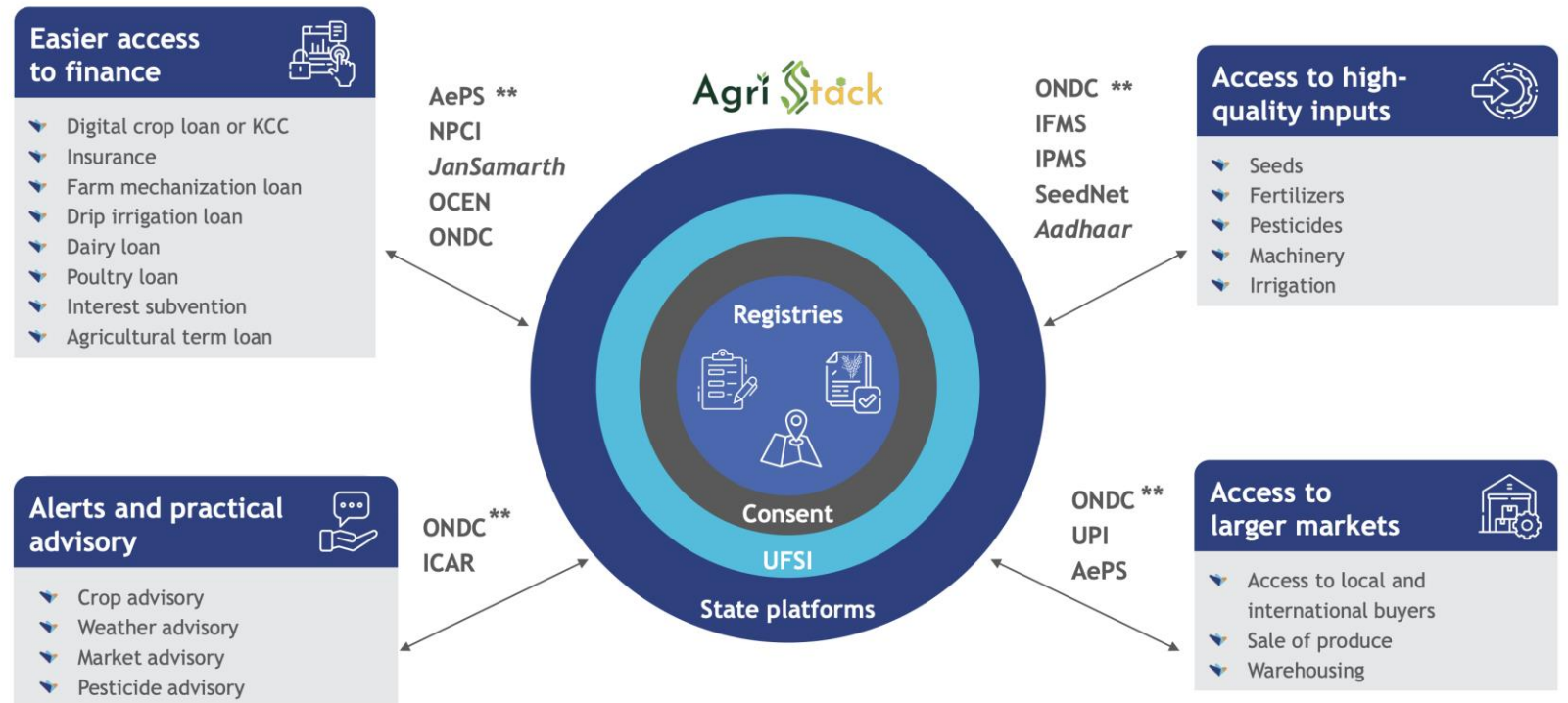
“AgriStack attempts to enable farmers to access and use digital services, primarily for credit, advisories, inputs, and market linkage”

## Focused on 3 key components

- Farmer registry
- Georeferenced maps registry
- Crop sown registry

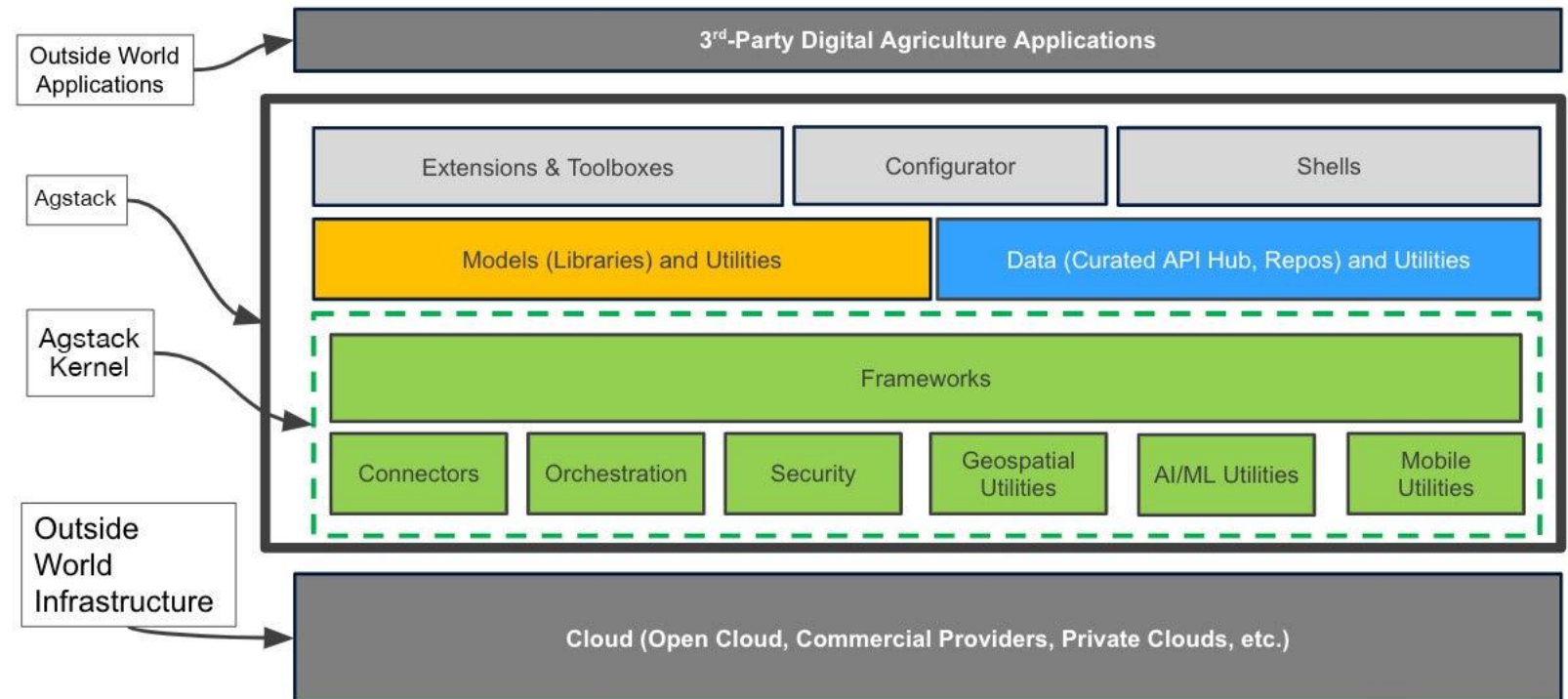
To enable new and support existing use cases.

## Transformation of the agricultural ecosystem: Use cases



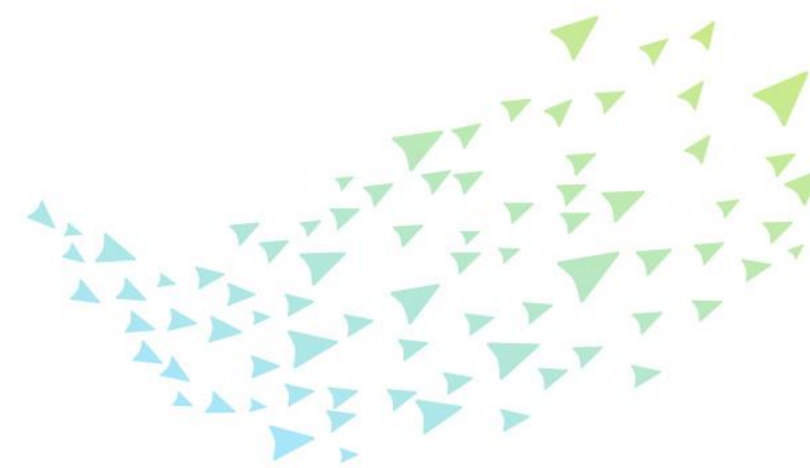
# AgStack

- Coordinated by the Linux Foundation
- Multi-stakeholder engagement
  - IT product dev. Industry
  - Academia
  - Development cooperation
  - Standards agencies (eg. GS-1)



# Common themes

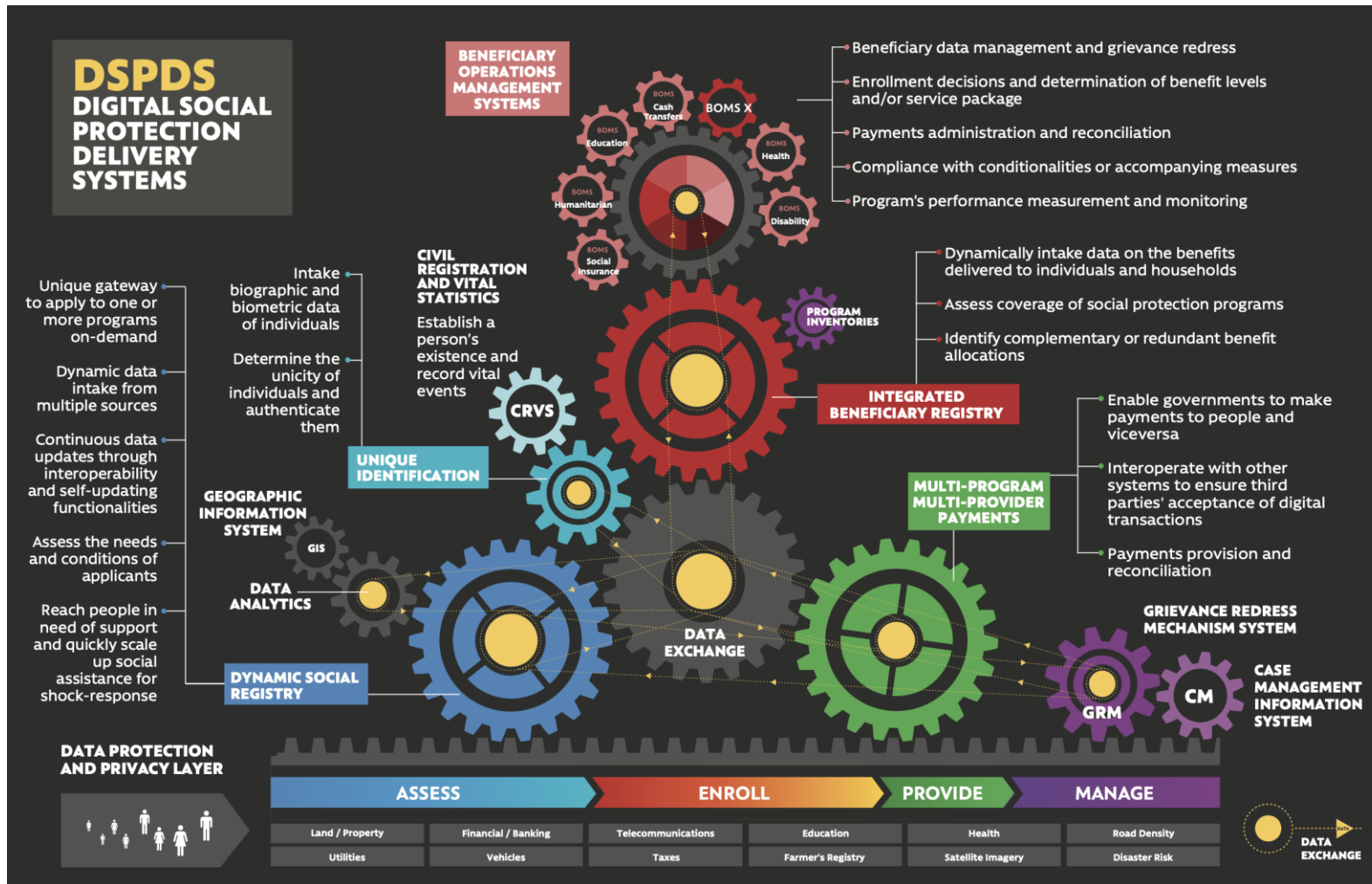
- **Leveraging foundational DPI**
- **Use of Digital Public Goods (DPGs)**
- **Use cases/user perspective led**
- **‘Unlocking’ new opportunities**





# **Social Protection**

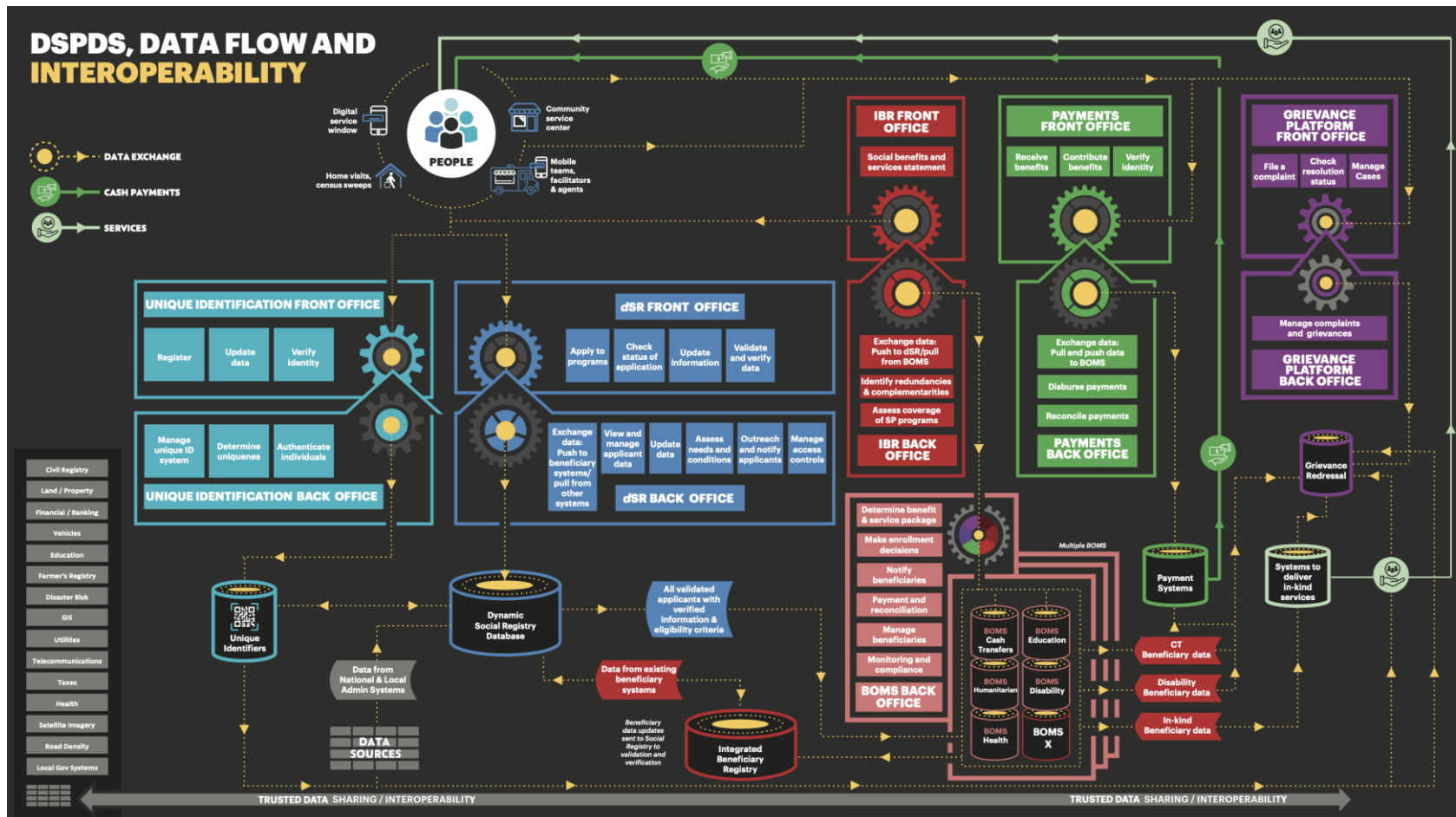
# Playbook on Digital Social Protection Delivery Systems



[Link to download](#)



# Playbook on Digital Social Protection Delivery Systems



# Thanks!



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