Talking Interoperability

In Focus | Cambodia

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Agenda

12:00–12:15	**Welcome**
12:15–13:00	**Presentation GS-NSPC**
13:00–13:30	**Discussion**
13:30–13:55	**Audience Q&A**
13:55–14:00	**Closing remarks**

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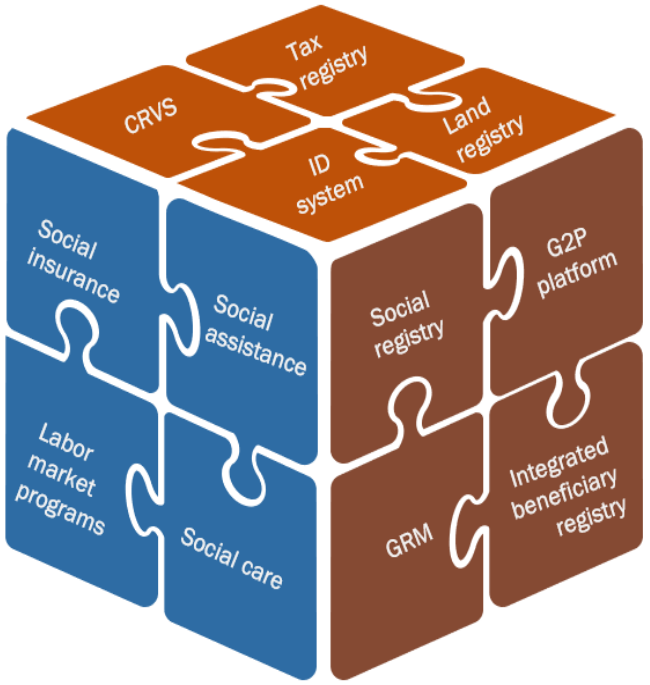
The Digital Convergence Initiative (DCI)

A joint effort by USP2030 members and non-members, governments, development partners and private sector towards creating a harmonized and interoperable digital ecosystem for social protection

Building consensus-based standards for interoperability to

- **foster an ecosystem for innovation** by ICT solution providers to build products that are interoperable, easy to use, integrate, maintain and scale
- **reduce time and costs** of developing solutions at the country/program level
- enable programs and countries to **mix and match different components** from different suppliers
- **ensure that systems are future-proof by design**, regardless of current levels of policy and information systems maturity



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Talking interoperability

A monthly dialogue series by the DCI to facilitate in-depth technical conversations around integrated and interoperable SP information systems across countries

Deep dive into one country-level system per session to…

- share the technical nuts and bolts of how agencies have designed their social protection information systems for interoperability
- understand how agencies have tackled the major challenges to interoperability.
- brainstorm potential solutions to remaining bottlenecks

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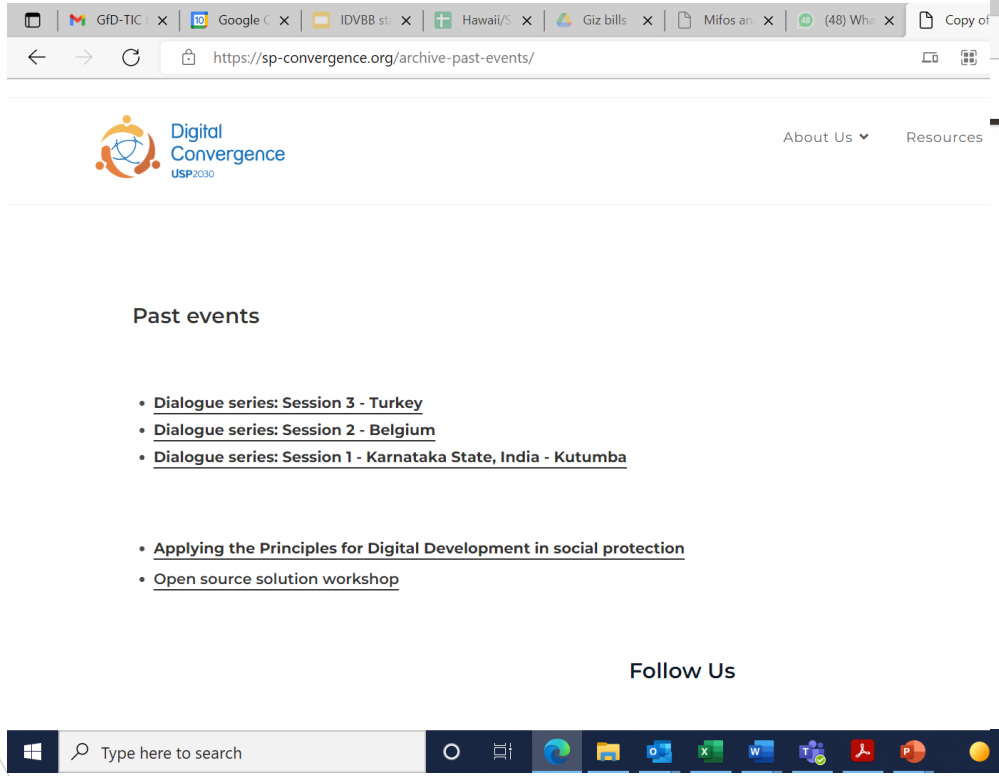
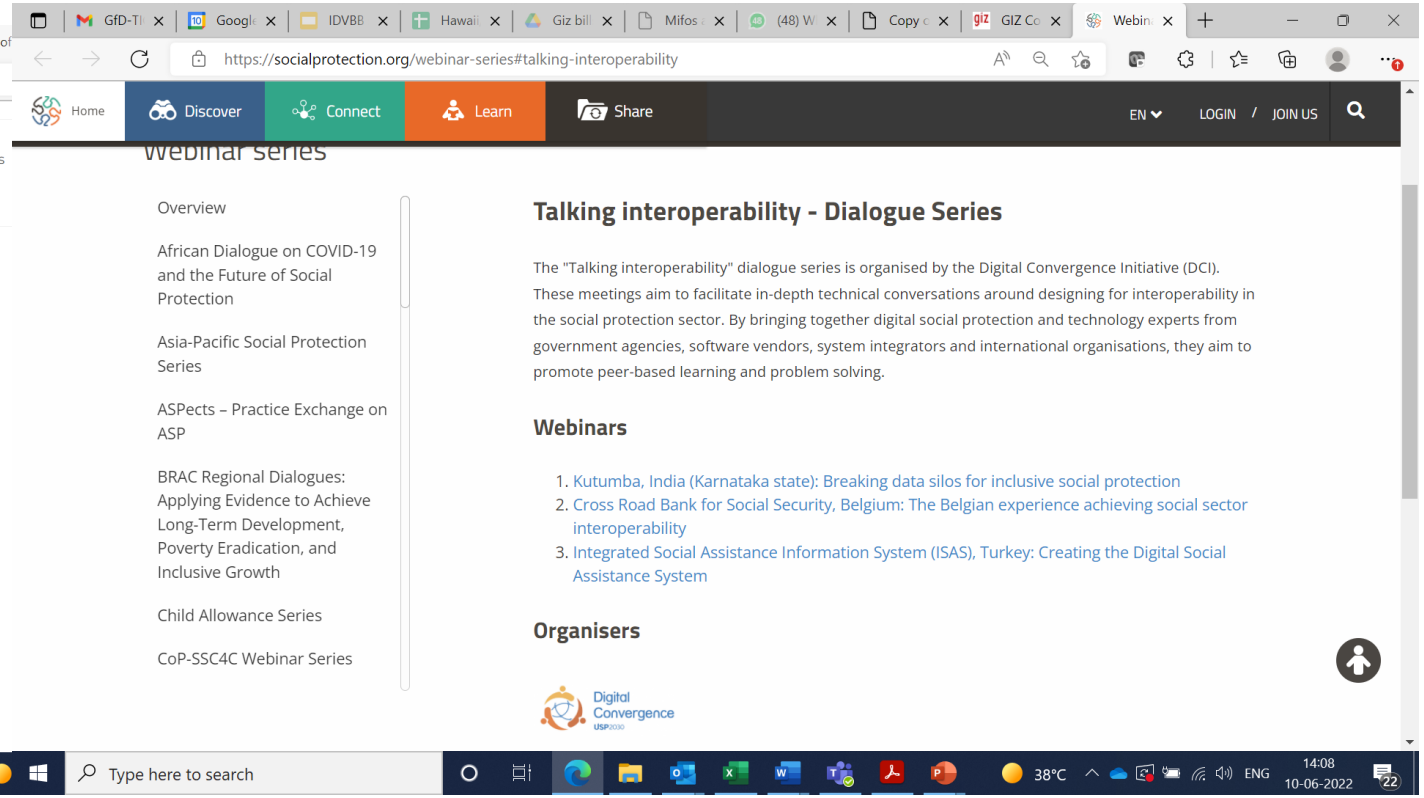
Recordings of past 4 sessions of India (Karnataka), Belgium,Turkey & Chile available





[Past Events – digital convergence initiative (sp-convergence.org)]

[https://socialprotection.org/webinar-series#talking-interoperability]

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Introductions

Presenters

H.E.Yok Samedy

Deputy Secretary-General of the GS-NSPC, Ministry of Economy and Finance

Chhut Lay Veasna

ICT Specialist of General Affairs Department, GS-NSPC, Ministry of Economy and Finance

Michael Stahl

Embedded Advisor on Digital Health Protection, GS-NSPC, Ministry of Economy and Finance

Discussants

Jie Yu (Finn) Koh

Social Protection Programme Manager, ILO Cambodia

Robert J. Palacios

Lead Economist, Social Protection and Jobs, World Bank

Moderator

Anita Mittal

Senior Advisor, Digital Convergence Initiative, GIZ

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Harmonization of Digital Social Protection in Cambodia

Phnom Penh, July 26, 2022

General Secretariat

for the National Social Protection Council

Presenters:

Chhut Lay Veasna

ICT Specialist of General Affairs Department, GS-NSPC

Ministry of Economic and Finance

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SOCIAL PROTECTION IN CAMBODIA

Population: 17 Million

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SOCIAL PROTECTION IN CAMBODIA

One of the mandates of the GS-NSPC is to support better digital interoperability of social protection stakeholders in Cambodia.

GS-NSPC was established in 2017

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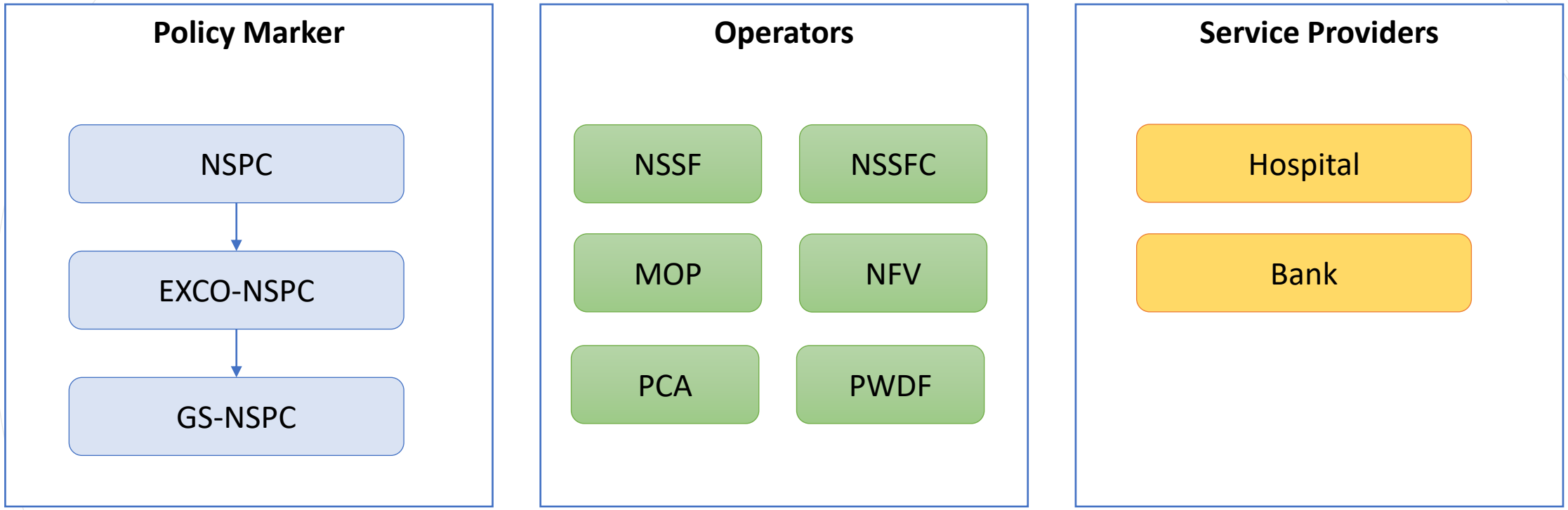
Social Protection Stakeholders in Cambodia



***NSPC**: National Social Protection Council*
***EXCO-NSPC**: Executive Committee of NSPC*
***GS-NSPC**: General Secretariat for NSPC*
***MOH**: Ministry of Health*

***NSSF**: National Social Security Fund*
***NSSFC**: National Social Security Fund for Civil Servant*
***NFV**: National Fund for Veteran*
***PCA**: Payment Certification Agency*
***PWDF**: Person With Disabilities Foundation*

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SOCIAL PROTECTION IN CAMBODIA

Social Assistance

- Emergency Response
- Human Capital Development
- Vocational Training
- Welfare for Vulnerable People

Social Security

- Pension
- Health Insurance
- Employment Injury
- Unemployment

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Social Protection System

Social Security

Pension

- Pension for Formal Private Workers
- Pension for Civil servants
- Pension for Veterans

Health Insurance

- Health Insurance for Civil servants
- Health Insurance for Formal Private Workers
- Health Equity Fund

Employment Injury

- Employment Injury for Civil servants
- Employment Injury for Formal Private Workers

Social Assistance

Emergency Response

- Food security program

Human Capital Development

- Cash transfer for pregnant women and children under 2
- Primary and Secondary Scholarship Programmes
- Homegrown School Feeding

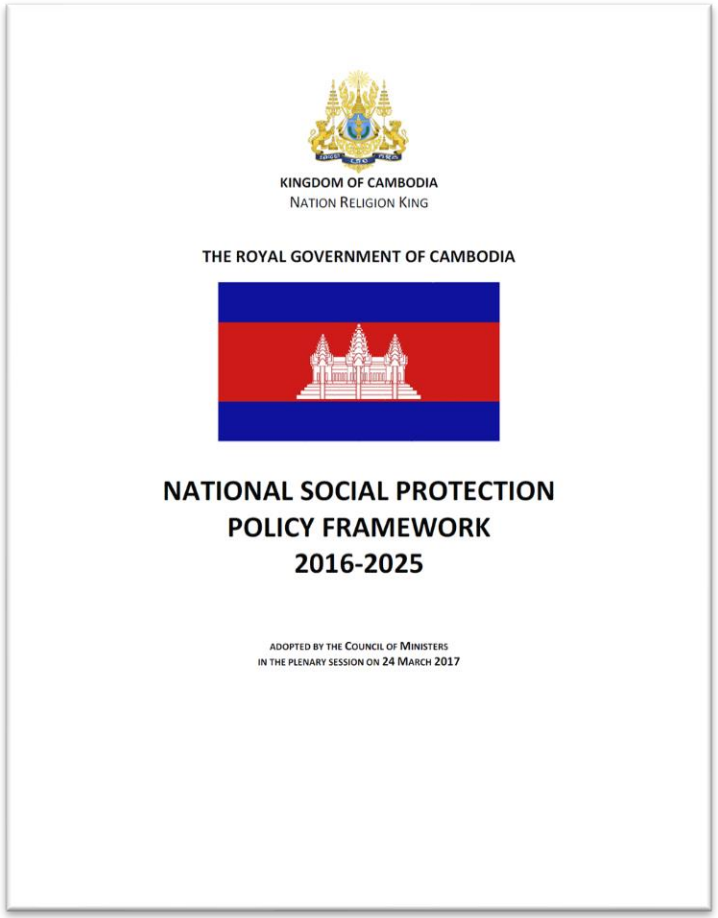
Vocational Training

- Vocational Training

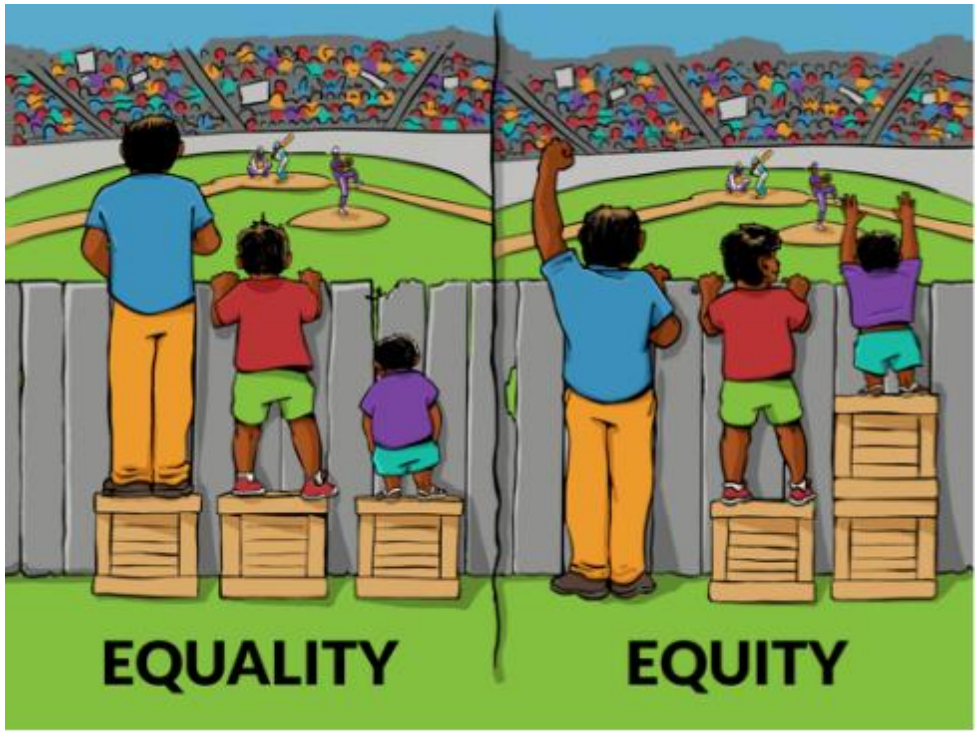
Welfare for Vulnerable People

- Cash transfer for people with disabilities

National Social Protection Policy Framework



Long-term goal



Establish an efficient and financially sustainable **(digital) social protection system** which serves as a policy tool for **reducing and preventing poverty, vulnerability and inequality.**

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Ultimate goal

The ultimate aims of integration of **data and information management** should be…

…. to improve **citizens' experience** of and **access to social protection programs**

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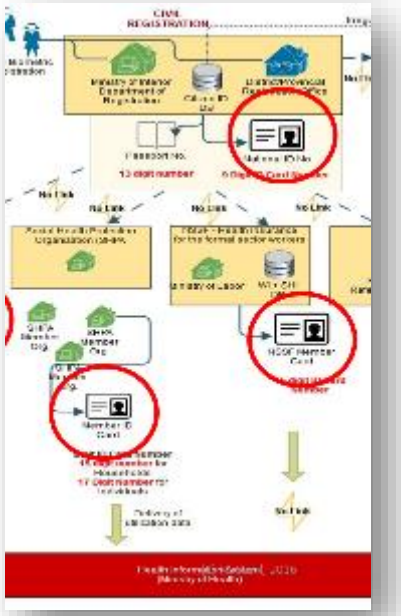
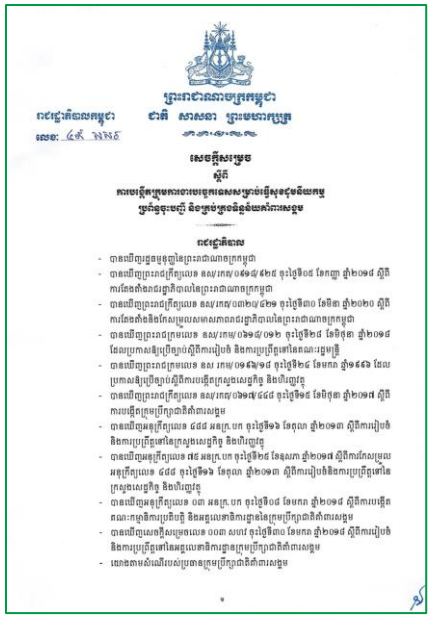
Steps taken between 2019 - 2022

Step 1:



Understanding the digital SP Landscape

Step 2:



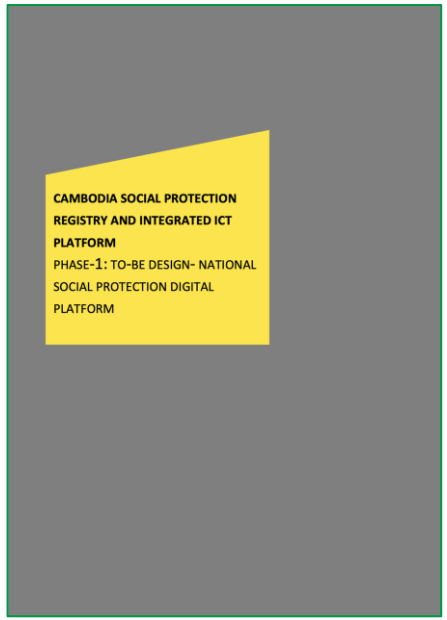
Creating a Technical Working Group

Step 3:

CamDX

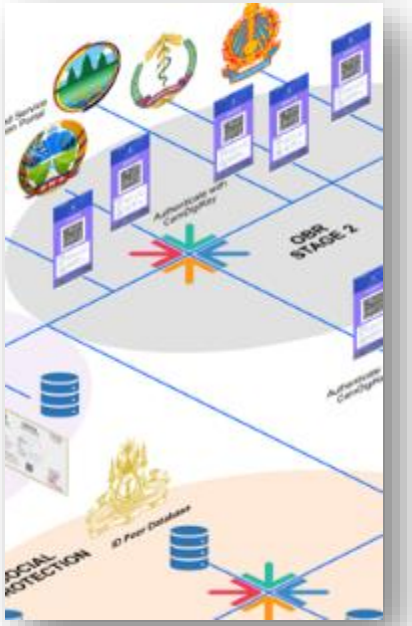
Partnership with CamDX

Step 4:



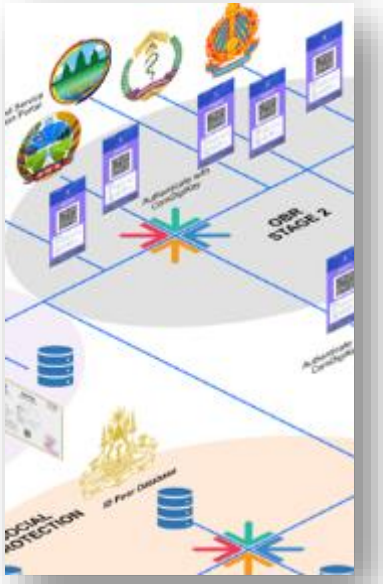
Concept for SP Interoperability

Step 5:

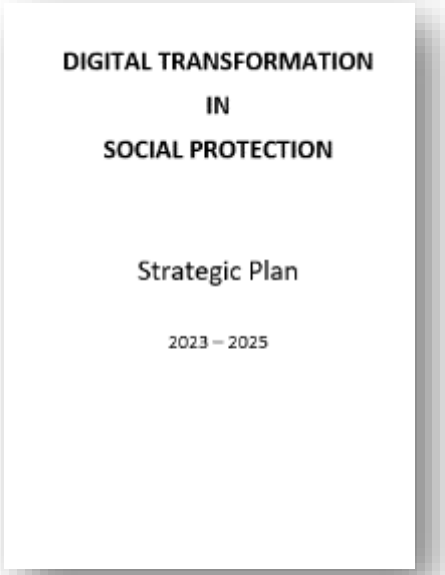


Interoperability pilot project

Ongoing work in 2022



Interoperability pilot project

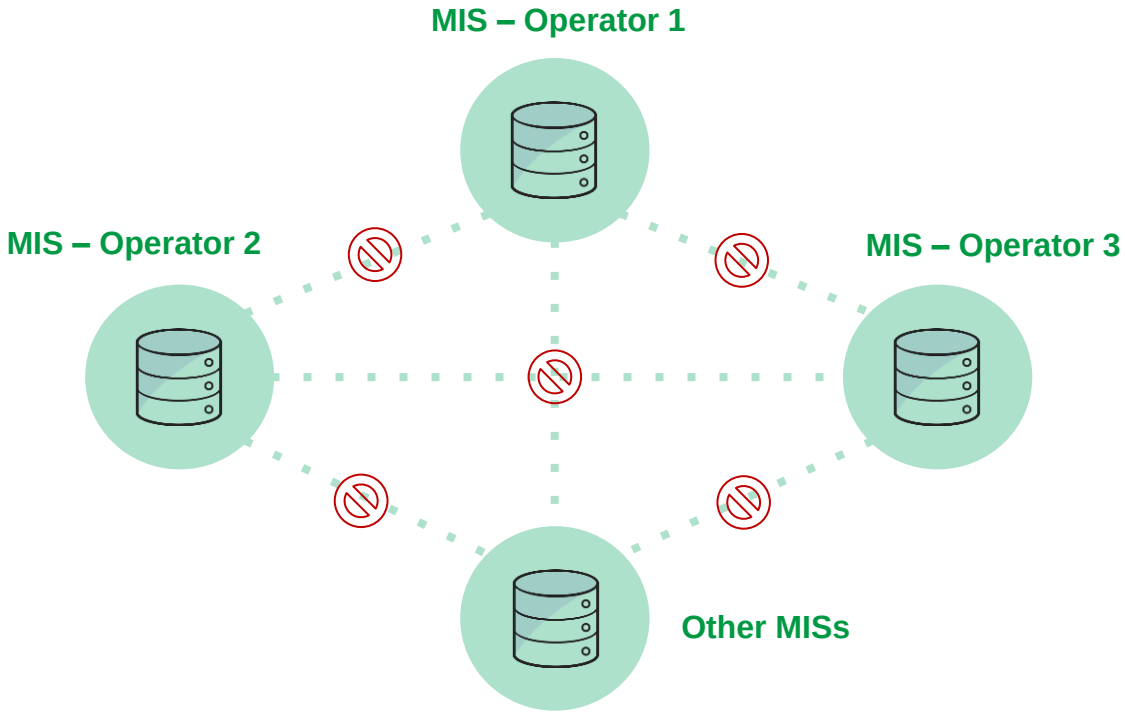


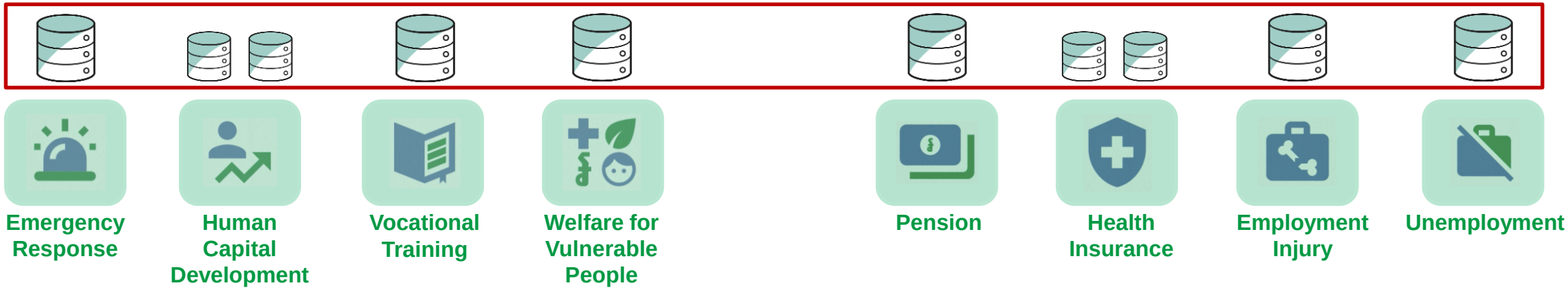
Development of a Digital Social Protection Policy

Development of a Capacity Building Plan for the GS-NSPC Team

System fragmentation issues

- Duplicated Identification
- Unable to Exchange Data
- Redundant Works and Processes
- Inconsistent of Data





Working towards less fragmentation

Issues of System Fragmentation

- Duplicated Identification
- Unable to Exchange Data
- Redundant Works and Processes
- Inconsistent of Data

Solution

Moving towards a Unique Digital Social Protection ID (individual)

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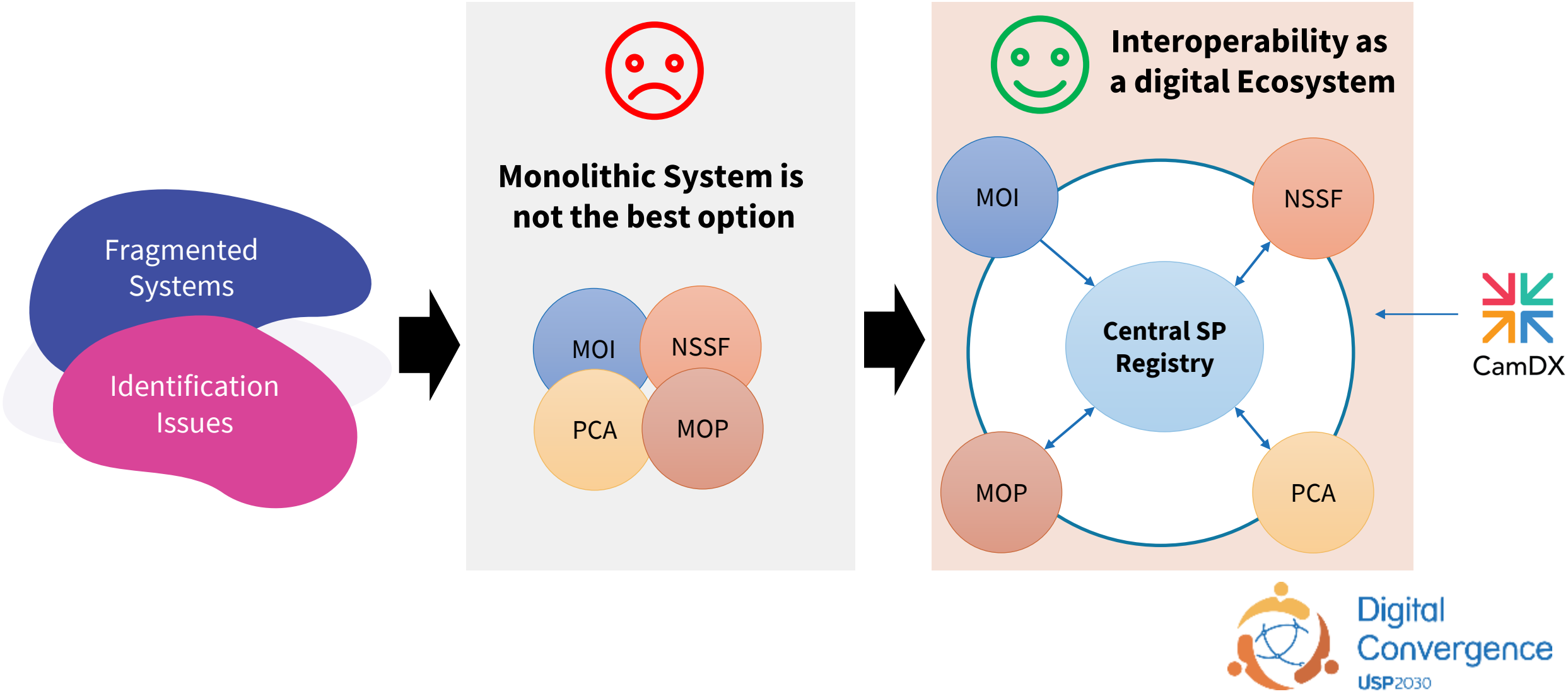
Future System Perspective in Social Protection



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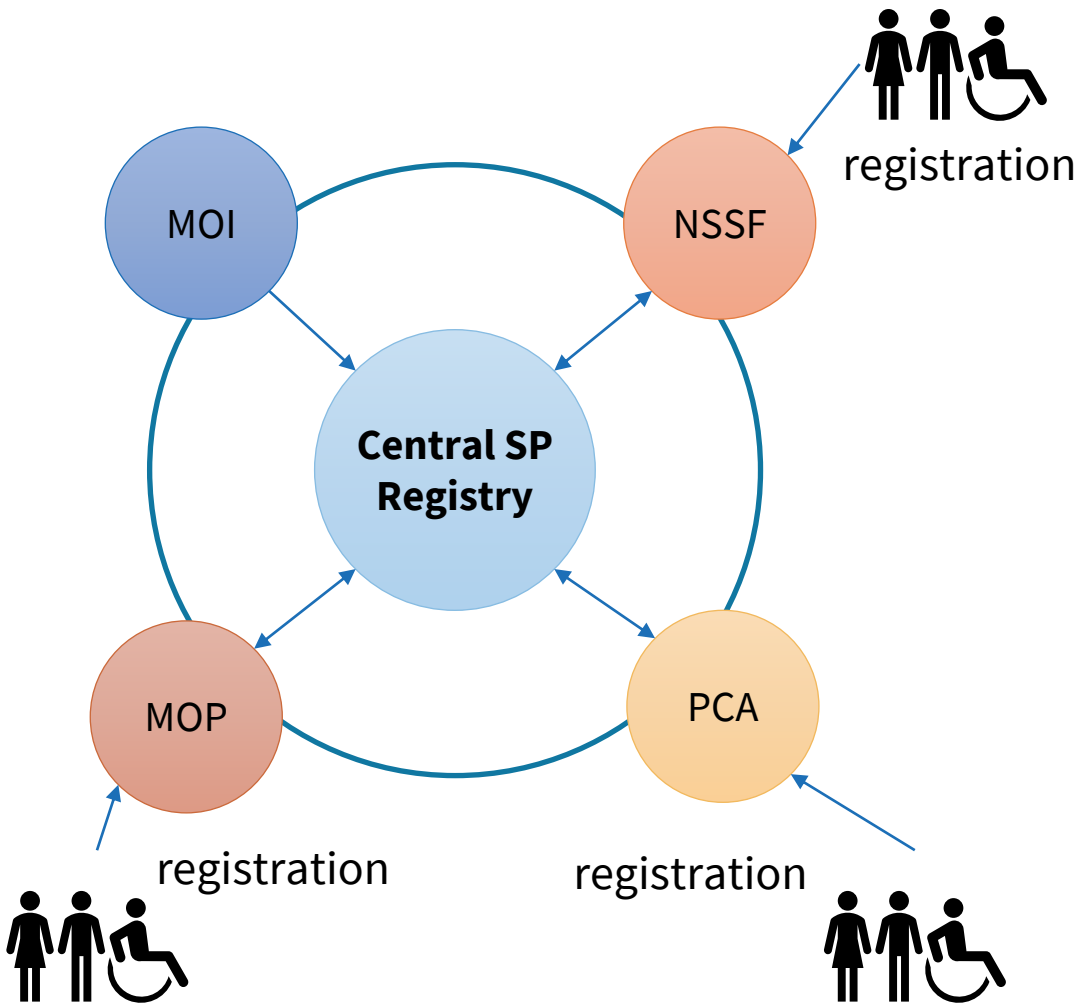
Central Beneficiary/Social Registry



- A digital platform consisting of **data storage, software and infrastructure**
- Contains **only identity data** of beneficiary and other indicators data for analytics NOT all the data of specific beneficiary schemes
- Guarantee **uniqueness of a person** at the level of biometric data through integration with the National Khmer ID system
- Serves for H-SPIS, PMRS, IDPoor and others to **solve identity problem**

***SP**: Social Protection*

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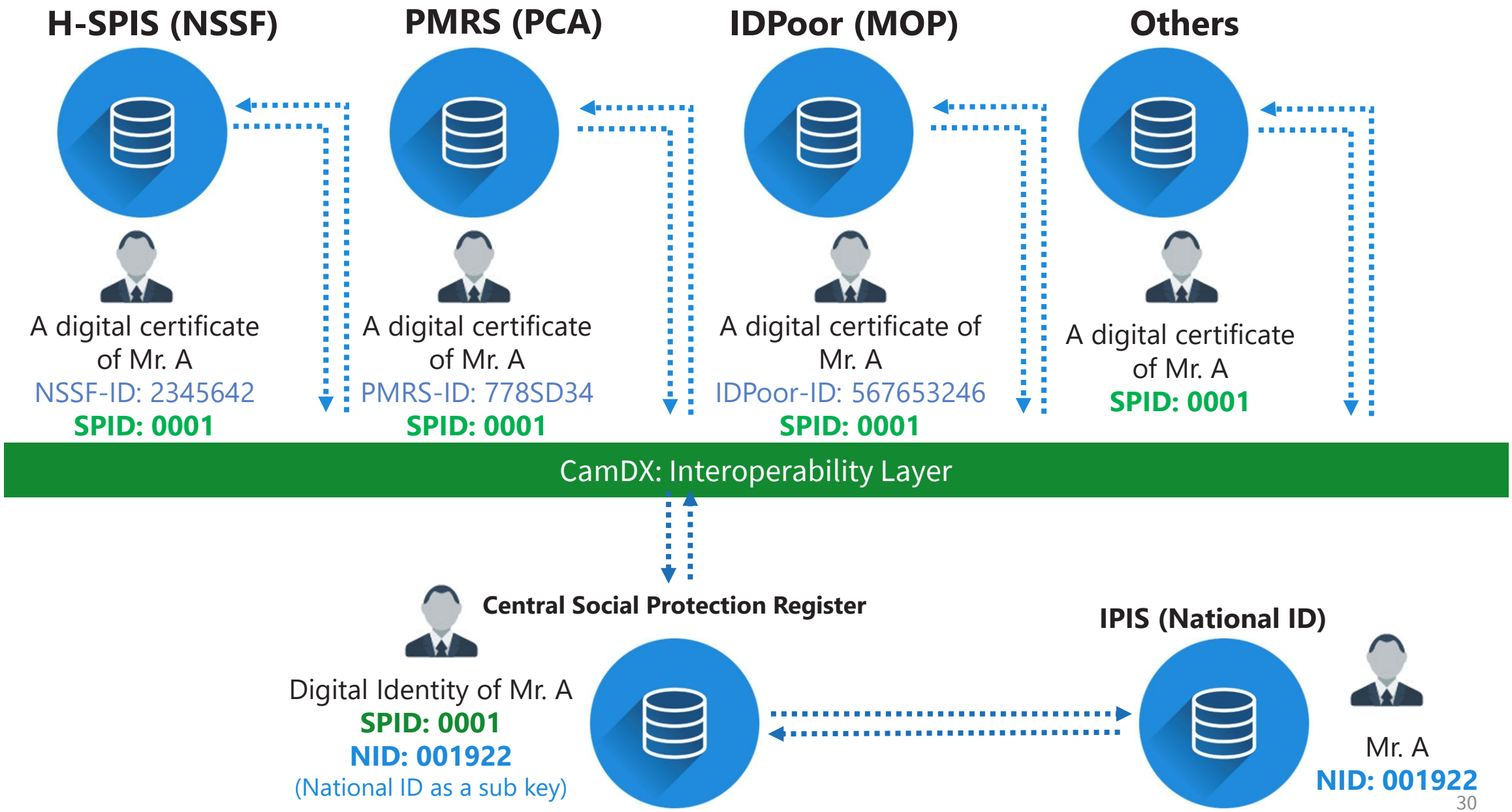
Linking IDs to the Social Protection ID



Working towards less fragmentation

Issues of System Fragmentation

- Duplicated Identification
- Unable to Exchange Data
- Redundant Works and Processes
- Inconsistent of Data

- **Definition of Data Exchange Standards**
- **Using Cambodia Data Exchange Platform**
- **Linkage as an Ecosystem**
- **Unique SPID for citizen.**

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The role of CamDX

The main goal of CamDX is to build an infrastructure that allows for establishing **effortless access to data in government databases** (public services) without compromising the security and ownership of the data and with **minimal technical changes in the existing information systems**.

CamDX is:

- ✓ A unified way of data exchange
- ✓ A distributed system based on collaboration
- ✓ A platform that handles data security, authenticity and integrity
- ✓ A unified APIs for easing interoperability
- ✓ A platform designed to be scaled

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Working towards less fragmentation

Issues of System Fragmentation

- Duplicated Identification
- Unable to Exchange Data
- Redundant Works and Processes
- Inconsistent of Data

- **Mapping of similar work processes**
- **Integrated Digital Platform**
- **Identity Verification with central SPR and Khmer ID**
- **Definition of API's and Data Exchange Standards**

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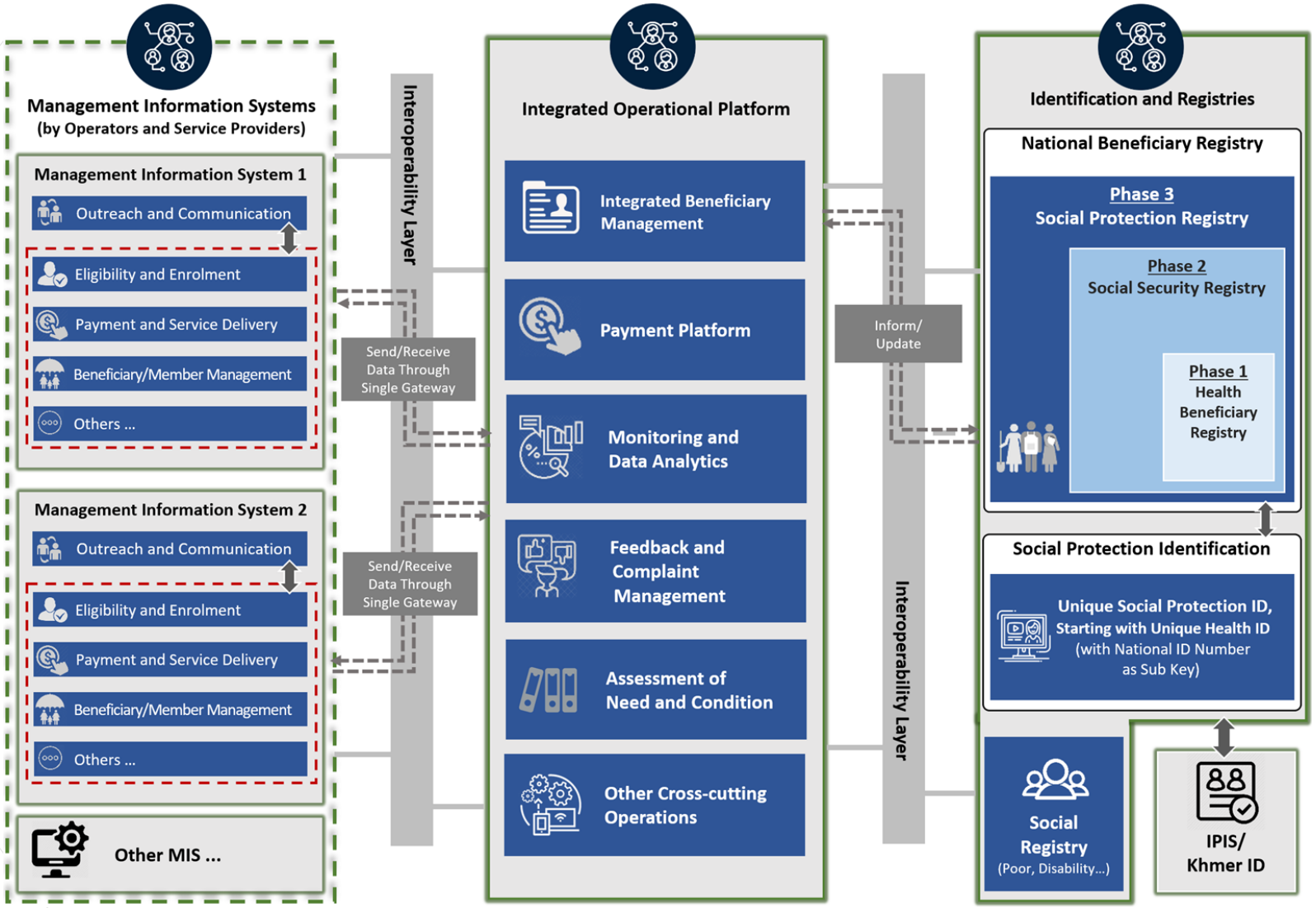
Common Digital Infrastructure

Information system	Status (see legend below)	Responsible institution	Percentage of population covered (if available)
Civil registration system	Live	**Ministry of Interior**	**Only people > 15**
Social Protection Registry	**Under Development**	**NSPC members**	
Payments Platform	**Under Development**	**NSPC members**	
Grievance Redressal Platform	**Under Development**	**NSPC members**	
National Social Protection Digital Platform	**Under Development**	**NSPC members**	
Data Exchange Platform	Live	**TSC of MEF**	
Full-Fledged Data Centre	Live	**ITD of MEF**	

Live | **Under development** | **Not available**

The big picture for the future Digital SP



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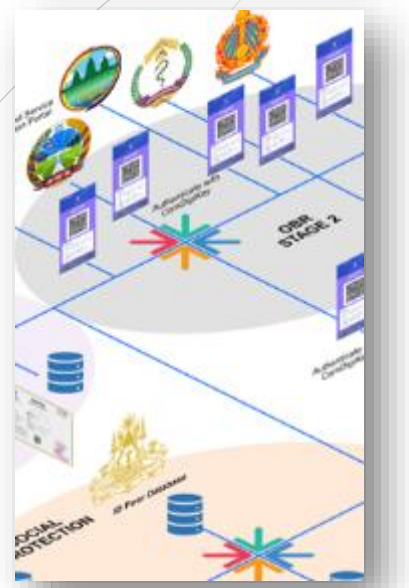
The interoperability pilot project



Establishing a joint social protection registry to connect

10,000 beneficiaries from 4 stakeholders (PCA, NSSF, MOP, and IDPoor)

- Defining Master Datasets to connect the existing Software solutions of the 4 stakeholders to the registry;
- Creating a unique life-long Digital Social Protection ID;
- Gaining a good understanding of de-duplication efforts;
- Establish the connection for the stakeholders;
- Using CamDX as a secure interoperability layer; and
- Enable Beneficiary/Citizen identity verification with MOI.

Establishing a Service Delivery Platform

- **Providing a member management solution for SP Operators who do not yet have a sophisticated IT solutions in place**

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THANK YOU

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Thank you

Make sure to answer our survey which will appear on your browser, and join us for the next sessions!

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