“Cross-border Interoperability Initiatives in the context of Covid-19 Digital Certificates”

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CENS
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CENS
CENTRO NACIONAL EN SISTEMAS DE INFORMACIÓN EN SALUD

OPS Organización Panamericana de la Salud | Organización Mundial de la Salud Américas

OPS 120 ANIVERSARIO

- Context
- Initiatives and Goals
- LAC Status
- Trainings

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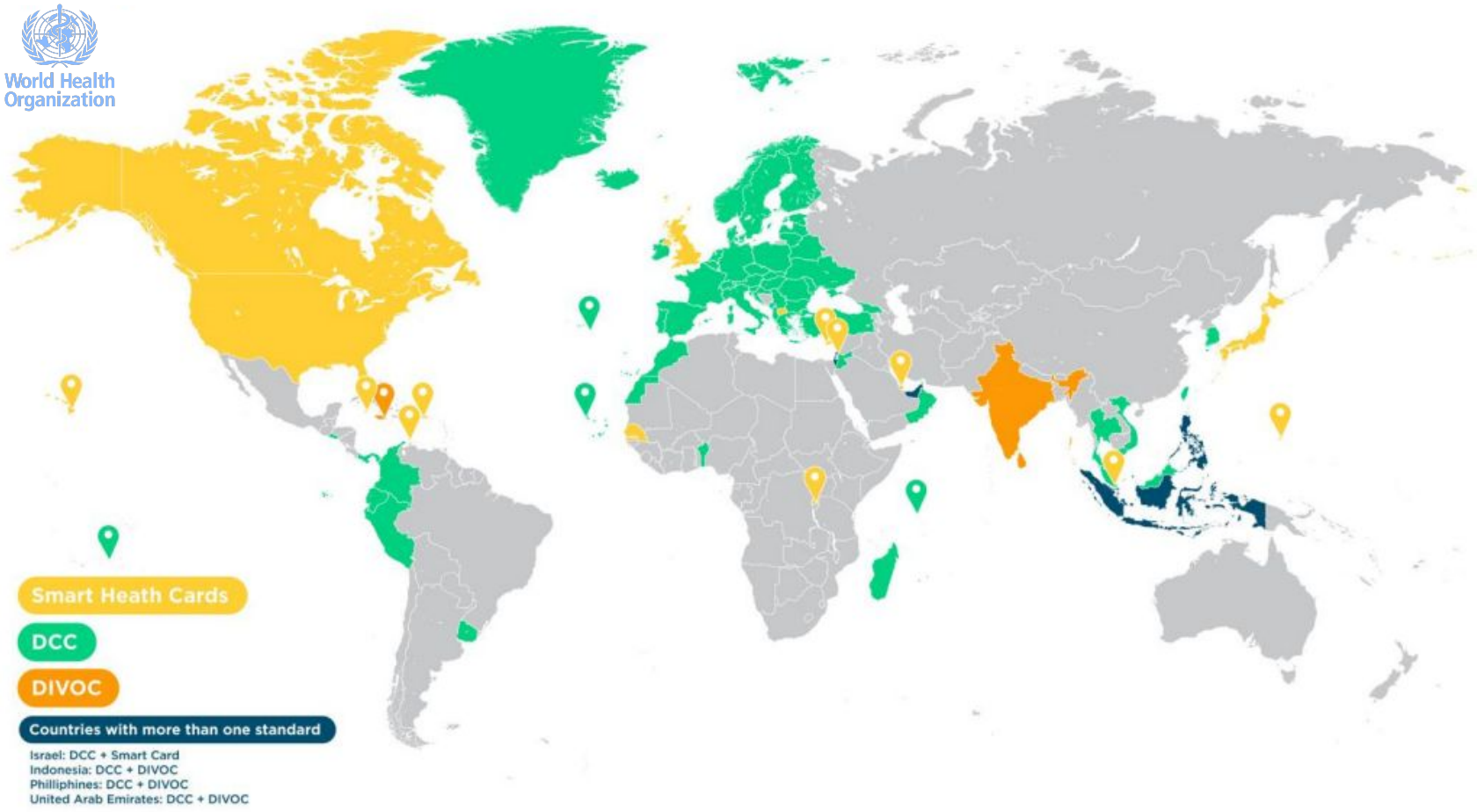
REGIONAL PUBLIC GOODS

RACSEL
RED AMERICANA DE COOPERACIÓN SOBRE SALUD ELECTRÓNICA

Context: Trust frameworks

Multiple specifications for COVID-19 certificates in the world



Convergence of initiatives



1

LACPASS (IDB BPR)

Digital transformation in health to mitigate the effects of COVID-19 in Latin America and the Caribbean.

2

G20-OMS

Connect-a-thon DDCC: Interoperability between trust frameworks. Evolution to DDCC.

3

PAHO_ DDCC

BPR Continuity and evolution of COVID certificates to DDCC

OPS Organización Panamericana de la Salud | Organización Mundial de la Salud Américas | OPS 120 Aniversario

RACSEL

RED AMERICANA DE COOPERACIÓN SOBRE SALUD ELECTRÓNICA

The American Network for Cooperation on Electronic Health, hereafter RACSEL, is an initiative of the Latin American countries and the Caribbean (LAC), supported by the Inter-American Development Bank (IDB), and constituted as a mechanism for systematic and horizontal technical cooperation, by which are promoted, multiplied, strengthened and streamlined the exchanges aimed at developing, distributing and implementing the best practices in digital health to support the institutional development processes and their progress in the region.

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CENS CENTRO NACIONAL EN SISTEMAS DE INFORMACIÓN EN SALUD

1 LACPASS (IDB BPR)

Digital transformation in health to mitigate the effects of COVID-19 in Latin America and the Caribbean.

The goal of the BPR is to **strengthen the capability of the countries in Latin America and the Caribbean to face the effects of COVID-19, promoting the digital transformation in health care**.

LACPASS

The BPR strengthens the **exchange of health data** inside and between the countries of the region with 3 components distributed over 3 years.

1. **Higher levels of interoperability** for the exchange of **clinical care data.**

2. **Data exchange** for **epidemiological monitoring** and public health at national and regional level.

3. **Create guidelines and directives** for the sustainable development of **Telehealth**.

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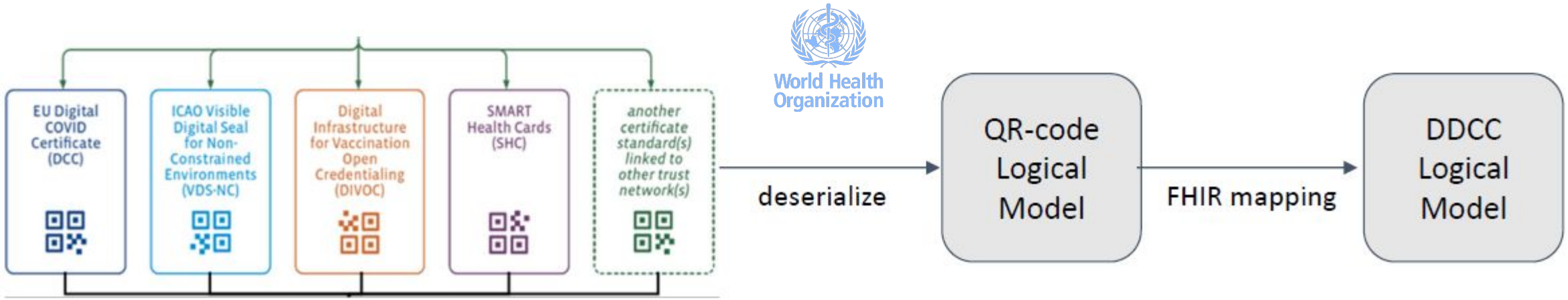
CENS Centro Nacional en Sistemas de Información en Salud

2 G20-OMS

Connect-a-thon DDCC:
Interoperability between trust frameworks.
Evolution to DDCC.



3

PAHO_ DDCC

BPR Continuity and evolution of COVID certificates to DDCC

1.Dataset

Dataset according to DDCC

2. Repository

Standardized data repository

OPS-DDCC

Cooperating in the **progress of the development state/maturity of the digital documentation of COVID-19 certificates** through the development of enablers for the implementation of the digital certification process of vaccines.

3. Emission

Generation of DDCC certificates

4. Signature

Emission of certificates with PKI signature (desirable)

Maturity Measurement tool, for COVID-19 certificates





Región LAC / *LAC Region*



- *Argentina*
- *Belize*
- *Chile*
- *Colombia*
- *Ecuador*
- *El Salvador*
- *Guatemala*
- *Paraguay*
- *Peru*
- *Suriname*
- *Uruguay*

LACPASS

11 countries participating in the BPR, 5 with EU DCC equivalence

OPS-DDCC

8 countries participating in the OPS-DDCC project

G20-OMS

6 countries of the region will soon be participating in Connect-a-thon



- *Bahamas*
- *Chile*
- *Ecuador*
- *El Salvador*
- *Paraguay*
- *Dominican Republic*
- *Suriname*
- *Uruguay*

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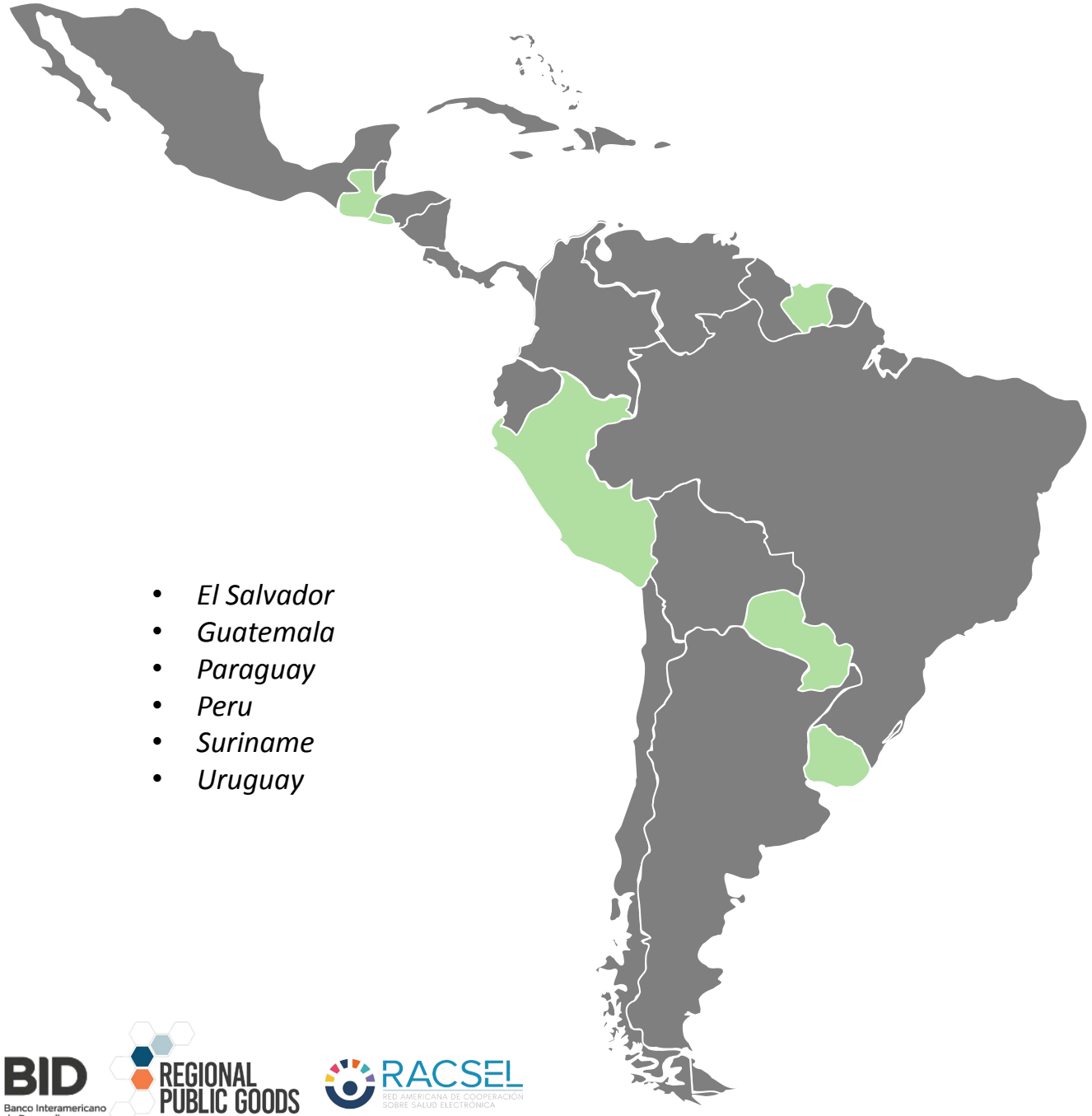

- *El Salvador*
- *Guatemala*
- *Paraguay*
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G20-OMS

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Convergence

Countries participating in at list one of the converging initiatives in the region.



- *Argentina* *(LACPASS)*
- *Bahamas* *(OPS-DDCC)*
- *Belize* *(LACPASS)*
- *Chile* *(LACPASS/OPS-DDCC)*
- *Colombia* *(LACPASS)*
- *Ecuador* *(LACPASS/OPS-DDCC)*
- *El Salvador* *(LACPASS/OPS-DDCC/G20-OMS)*
- *Guatemala* *(LACPASS/G20-OMS)*
- Jamaica (DIVOC)
- *Paraguay* *(LACPASS/OPS-DDCC/G20-OMS)*
- Panama (EU-DCC)
- *Peru* *(LACPASS/G20-OMS)*
- *Dominican Republic* *(OPS-DDCC)*
- *Suriname* *(LACPASS/OPS-DDCC)*
- *Uruguay* *(LACPASS/OPS-DDCC/G20-OMS)*

Trainings

Interoperability and standards

October 13, 3 p.m. (GTM-3)

Entry to the world of interoperability, usage of standards and their impacts. The goal is for the participants to be able to assimilate concepts about interoperability and standards to apply them to their work in digital health. **Under the responsibility of César Galindo, President of HL7 Chile/CENS.**

HL7 FHIR and servers

October 18, 3 p.m. (GTM-3)

An approach to the HL7 FHIR interoperability standard and related servers. The goal is for the participants to be able to recognize and describe the general concepts of the HL7 FHIR interoperability standard and its application. **Under the responsibility of Alejandro Medina, Engineer CENS - HL7 FHIR certificate**

IPS in action

October 21, 3 p.m. (GTM-3)

The IPS International Patient Summary standard as an axis for the transnational interoperability. The goal is for the participants to be able to describe the IPS profile and understand its application and relation with the interoperability at a global level. **By Fernando Portilla, Digital Health Senior Advisor Banco Interamericano de Desarrollo**

WHO-DDCC

October 26, 3 p.m. (GTM-3)

An opportunity for cross-border interoperability of health data. The goal is for the participants to get to know the documentation and the processes around the DDCC and their relation with interoperability standards. **By Alejandro Medina, Engineer CENS - HL7 FHIR certificate**

How to register?

RACSEL/LACPASS

Email to:
RACSEL: **admin@racsel.org**
BPR LACPASS: **bpr@racsel.org / cnunez@cens.cl**

Connect-a-thon G20/OMS

Email to:
Carlos Núñez: **cnunez@cens.cl**

OPS-DDCC

Email to:
Miguel Betancourt: **betancomig@paho.org**
Sonia Espinoza: **sespinoza@cens.cl**





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