



LAC Pass use case & LAC regional interoperability initiatives

Sponsored by



Fernando Portilla
RACSEL Network – Foundation Member

- RACSEL Network
- LAC Pass project
- Main achievements & New Projects
- LAC regional interoperability initiatives

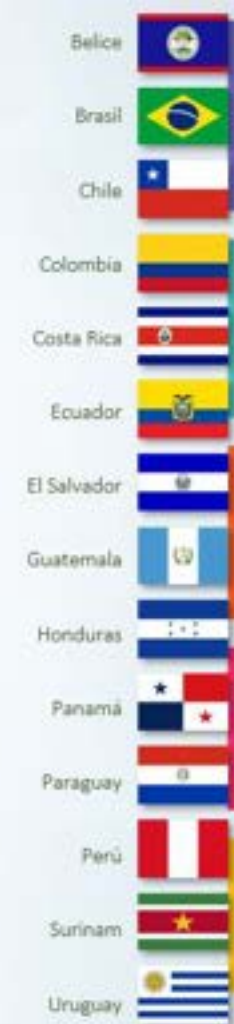


About us



The Latin America and Caribbean Digital Health Network (RACSEL) is an initiative of the countries from the region to promote digital transformation in health.

Regional Public Good sponsored by IDB





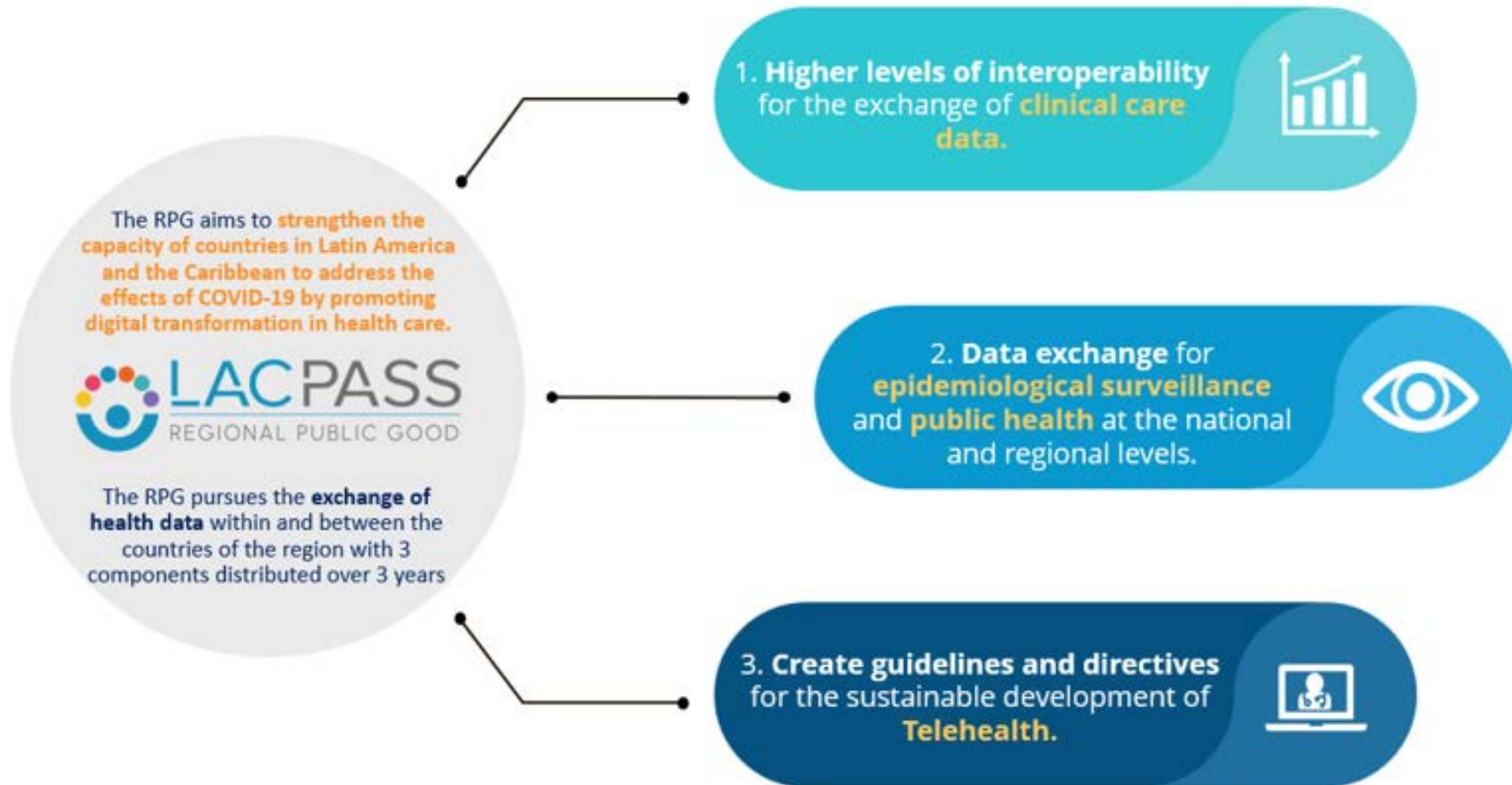
- **Eight years ago, the first meeting was held at the ALADI headquarters in Montevideo (Uruguay).**
- **The Network was formed by representatives of the Ministries of Health and Electronic Government of the region.**
- **Organizations such as PAHO, SNOMED INT and other invited countries participated in the launching event and in Network activities.**

First outcomes: 2018

Technical documents for
health regional
interoperability
agreements published

www.racsel.org







CIFRAS DEL EVENTO

08

PAISES PARTICIPANTES

130

ASISTENTES AL EVENTO

40

ASISTENTES A LAS JORNADAS TÉCNICAS

377

ASISTENTES AL EVENTO ONLINE EN ESPAÑOL

312

ASISTENTES AL EVENTO ONLINE EN INGLÉS

17.936

IMPRESIONES EN LINKEDIN DE RACSEL

18.900

IMPRESIONES EN TWITTER DE RACSEL

38

PUBLICACIONES EN LA PRENSA REGIONAL

1st LACPASS Connectathon Highlights



For the first time in the LAC region 8 countries demonstrated cross-border interoperability



5 Countries achieved EU-DCC equivalence in Production



Various countries are re-using project components for national connectathons.





Alejandro Medina

Track 1 & 2A:
Honduras, Ecuador y
Brasil



Lucia Grundel

Track 1 & 2A:
Argentina, Uruguay,
Perú y Colombia



Marcelo Cabello

Track 1 & 2A:
Bahamas, Guatemala,
El Salvador



Nicolas Bravo

Track 1 & 2A: Chile,
Belice y Costa Rica



Sergio Peñafiel

Track 1 & 2A:
Suriname, Panamá,
Paraguay, WS-USA



Albani Olivieri

Docker support
*Remote



Malo Toudic

Track 1 & 2A:
Todos/All



Alexandre Pocinho

Track 1 & 2A:
Todos/All



Oliver Egger

Track 1 & 2A: Todos/All
*Remote



Antonio Leal

Track 2B: Todos/All



Erick Pacheco

Track 2B: Todos/All



IHE Profiles	WHO - Digital Adaptation Kit	Blockchain Technology	
IPS International Patient Summary	MHD Mobile Health Document	DDVC Digital Documentation Vaccination Certificate	
LACONAV Innovation			
Brazil L	USA	Ecuador	Paraguay
Bahamas CA	Honduras	Belize	Belize
USA N	Suriname	Suriname	Suriname
Honduras CE	Uruguay	Uruguay	Peru
Ecuador L	Chile	Chile	El Salvador
Suriname L	Paraguay	El Salvador	
Uruguay L	Peru	Paraguay	
Chile L	El Salvador	Peru	
El Salvador CE	Belize		
Paraguay L			
Peru L			
Colombia L			
Costa Rica CE			



2nd LACPASS Connectathon Highlights



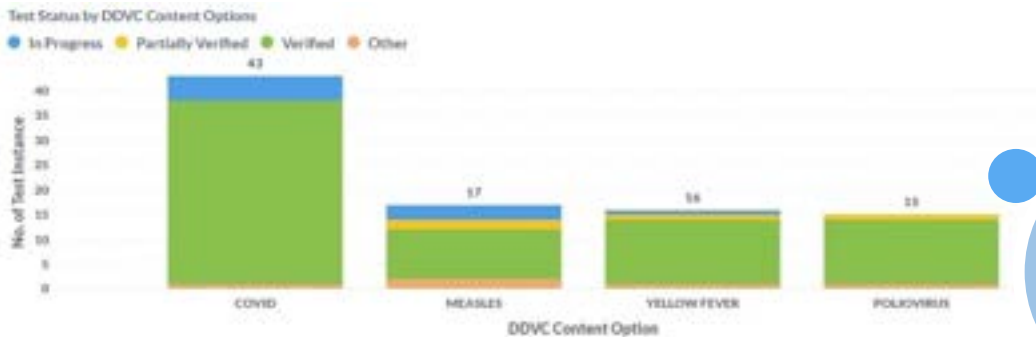
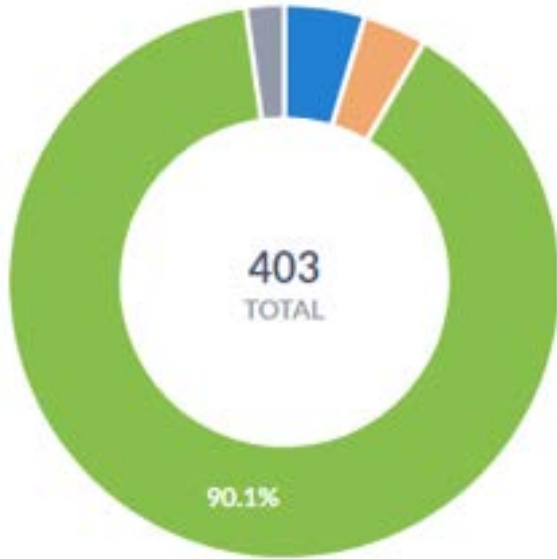
Between the two tracks, more than **400** tests were performed in 16 participating countries.



The WHO DDCC structure is tested for the first time with non-COVID vaccines.



16 Countries technically prepared to connect to the WHO GDHCN



LACPASS 2023 Connectathon Tracks



Track 1: International Patient Summary



Regional clinical data exchange based on the International Patient Summary (IPS) profile. Basic track and expert track, using standards under IPS and MHD profiles for FHIR.

Track 2a: Vaccination Certificate



Evolution from regional to global COVID certificates and extension to other vaccines. Use of the WHO-DDCC FHIR resource. Adherence to the global trust framework (GDHCN) proposed by WHO. Generation of DDCC certificate from IPS immunization resource.

Track 2b: Innovation



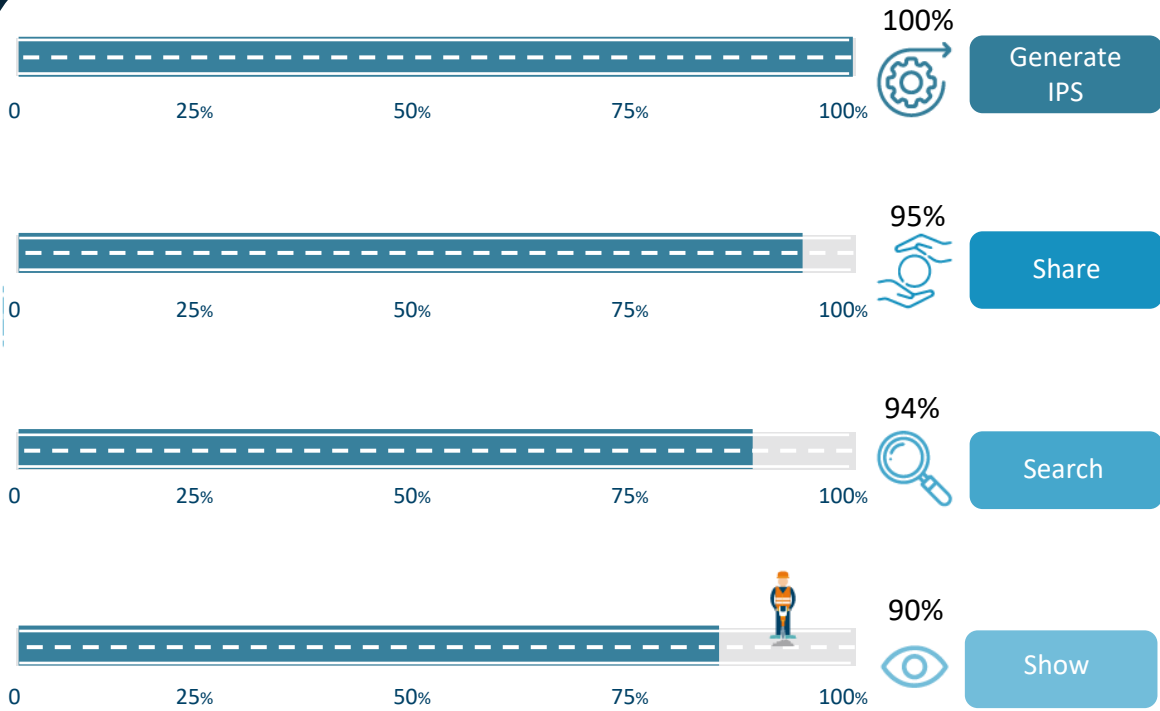
Learn about decentralized identifiers (DIDs) and how to send vaccine certificates to digital wallets based on the verifiable credentials standard.



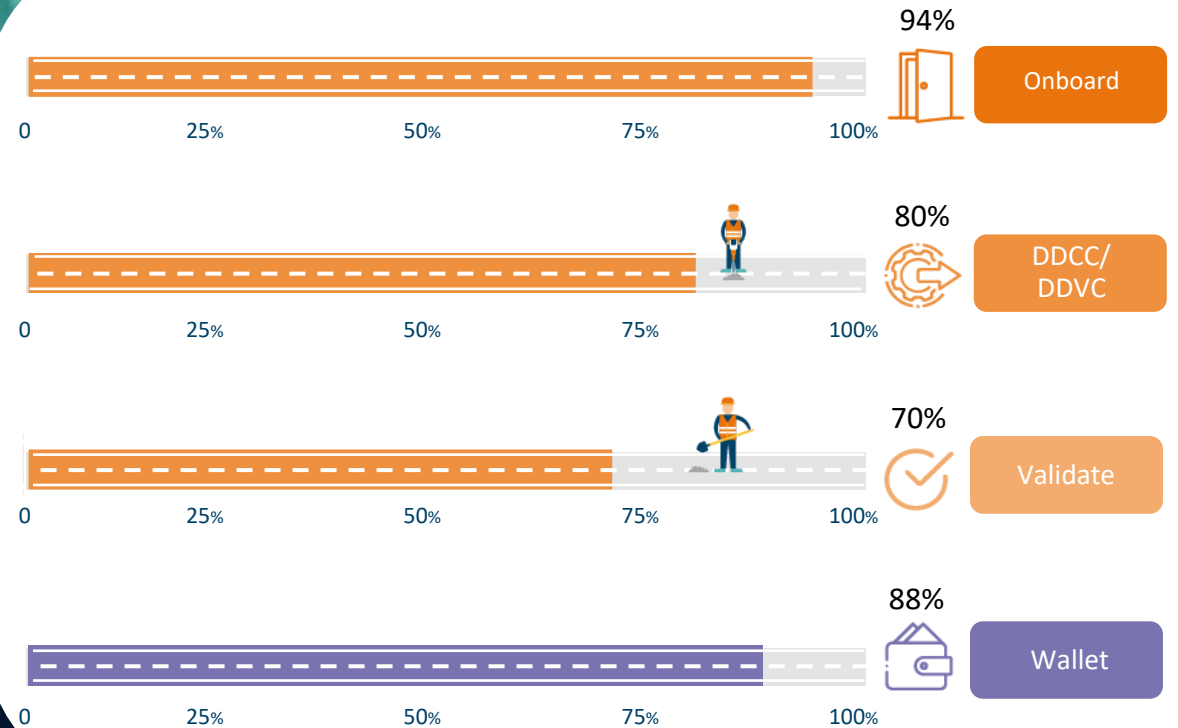
Paving the Pan-American Highway for Digital Health



TRACK 1



TRACK 2



GLOBAL VISION

Colaboran:



Materials, Resources and Knowledge



Knowledge

Document repository for technical guidelines and Moodle learning platform.

RACSEL-LACPASS youtube channel with training cycles, webinars and workshops related with interoperability, standards, terminologies among others.



Youtube Channel



Implementation Guide

FHIR Implementation Guide for IPS-LACPASS

Libraries and source codes for community



Github



Tools Docker

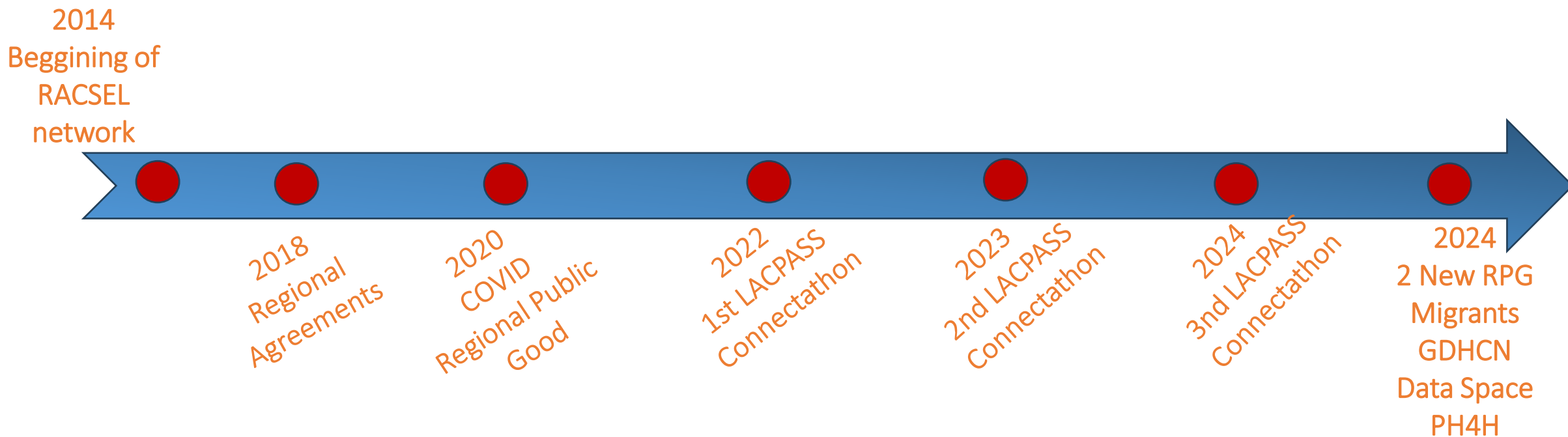
Bundle of tools for easy adoption and implementation for countries

IHE Gazelle test platform for proofs of concepts with interoperability standards and profiles



Test Platform

The RACSEL Network in the time



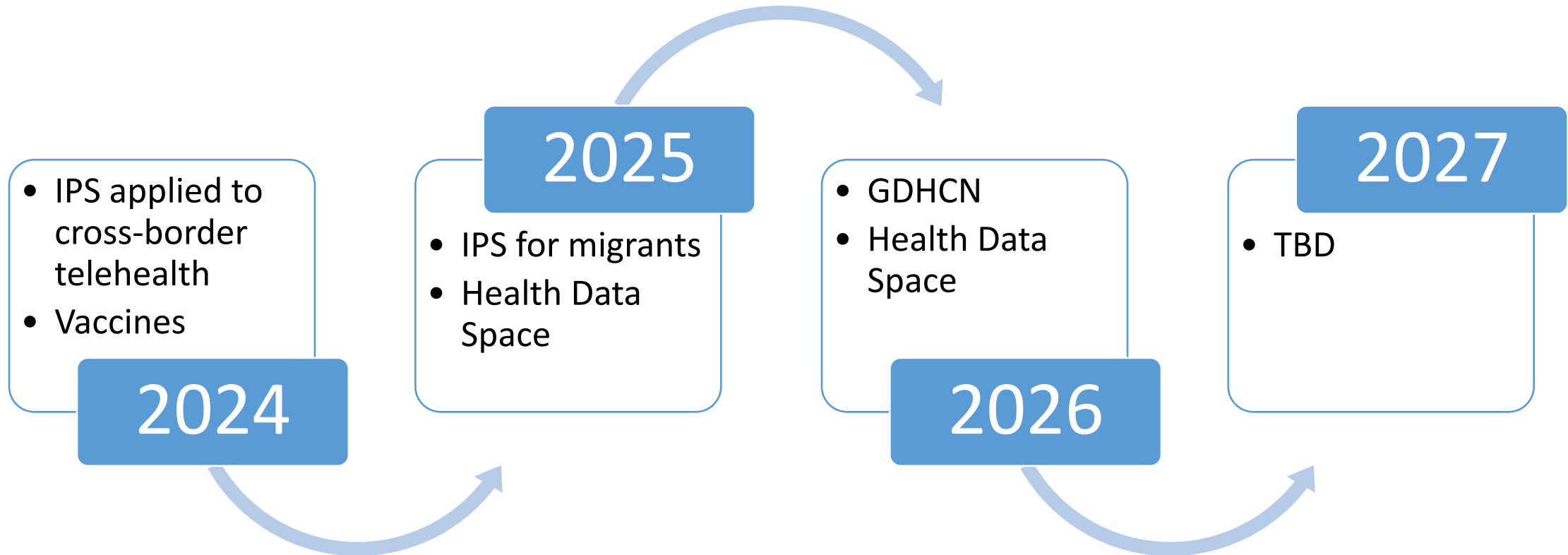
The objective of this TC is to establish a **trust network** for digital health in the region to improve migrant health

Migrants
GDHCN

The objective of the TC is to improve the **quality, safety, and efficiency** of health services that transcend borders and **strengthen regional resilience** to epidemics and public health emergencies through data exchange, harmonization of policies and regulatory frameworks, and the enhancement of regional health governance.

LAC Health Data Space

Planned use cases* for future regional connectathons



*subject to changes based on country priorities

LAC Regional interoperability initiatives





Fernando Portilla
fportila@gmail.com

