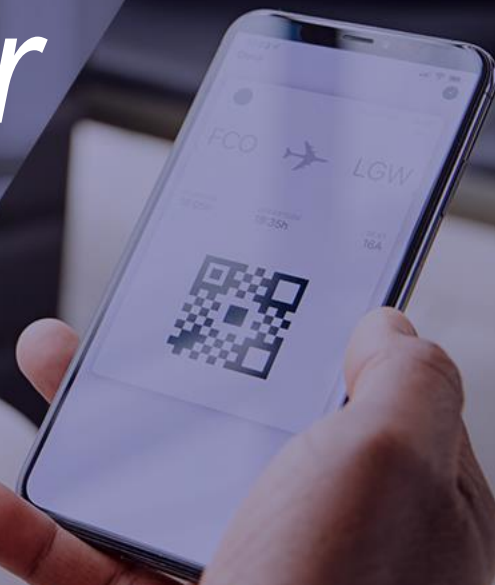*Welcome*

READY TO TRAVEL:
Digital Health Passes for Safe & Seamless Travel

WORLD TRAVEL & TOURISM COUNCIL

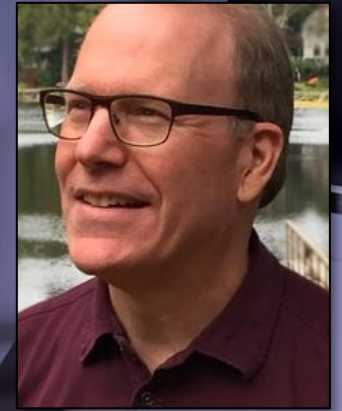GOOD HEALTH PASS

Speakers

Virginia Messina
SVP Advocacy &
Acting CEO, WTTC

Dakota Gruener
Executive Director, ID2020

Charles Walton
SVP Digital Identity
Products, Mastercard

Drummond Reed
Chief Trust Officer, Evernym

GOOD HEALTH PASS

WORLD TRAVEL & TOURISM COUNCIL

Virginia Messina

SVP Advocacy & Acting CEO
World Travel & Tourism Council (WTTC)

GOOD HEALTH PASS

WORLD
TRAVEL &
TOURISM
COUNCIL

2.5%
Economy GDP growth

3.5%
Travel & Tourism GDP growth

10.3%
Travel & Tourism total contribution to global GDP

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Global Performance

330mn
Jobs supported by Travel & Tourism

1/10
Jobs supported by Travel & Tourism

1/4
of all new jobs created came from Travel & Tourism

Travel & Tourism Economic Impact 2020 (2019 Figures)

28.7%
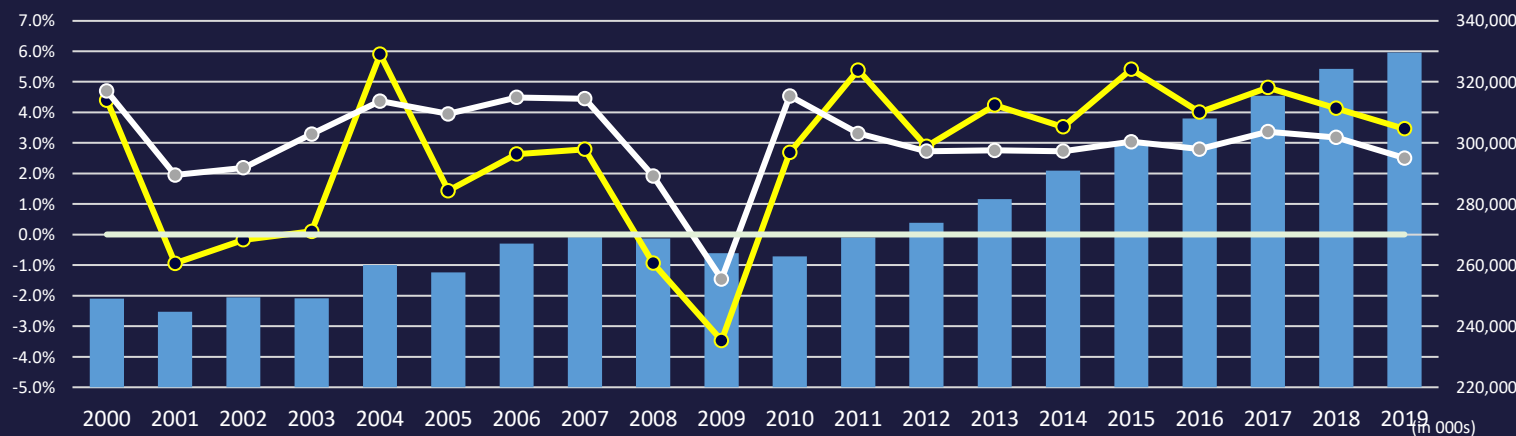International Spend

VS

71.3%
Domestic Spend

21.4%
Business Spend

VS

78.6%
Leisure Spend

Global T&T GDP Growth VS. Economy GDP Growth

Source: WTTC EIR 2019 Data

T&T employment (000s) — T&T GDP growth (%) — Economy GDP growth

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Economic Impact 2019 vs 2020

GLOBAL DATA

$ Total GDP contribution:

2019
10.4%
USD **9,170 BN**

2020
5.5%
USD **4,671 BN**

Total Travel & Tourism GDP change in 2020:
-49.1%   = USD **-4,498 BN**
Global economy GDP change:
-3.7%

Total Travel & Tourism jobs:

2019
334MN
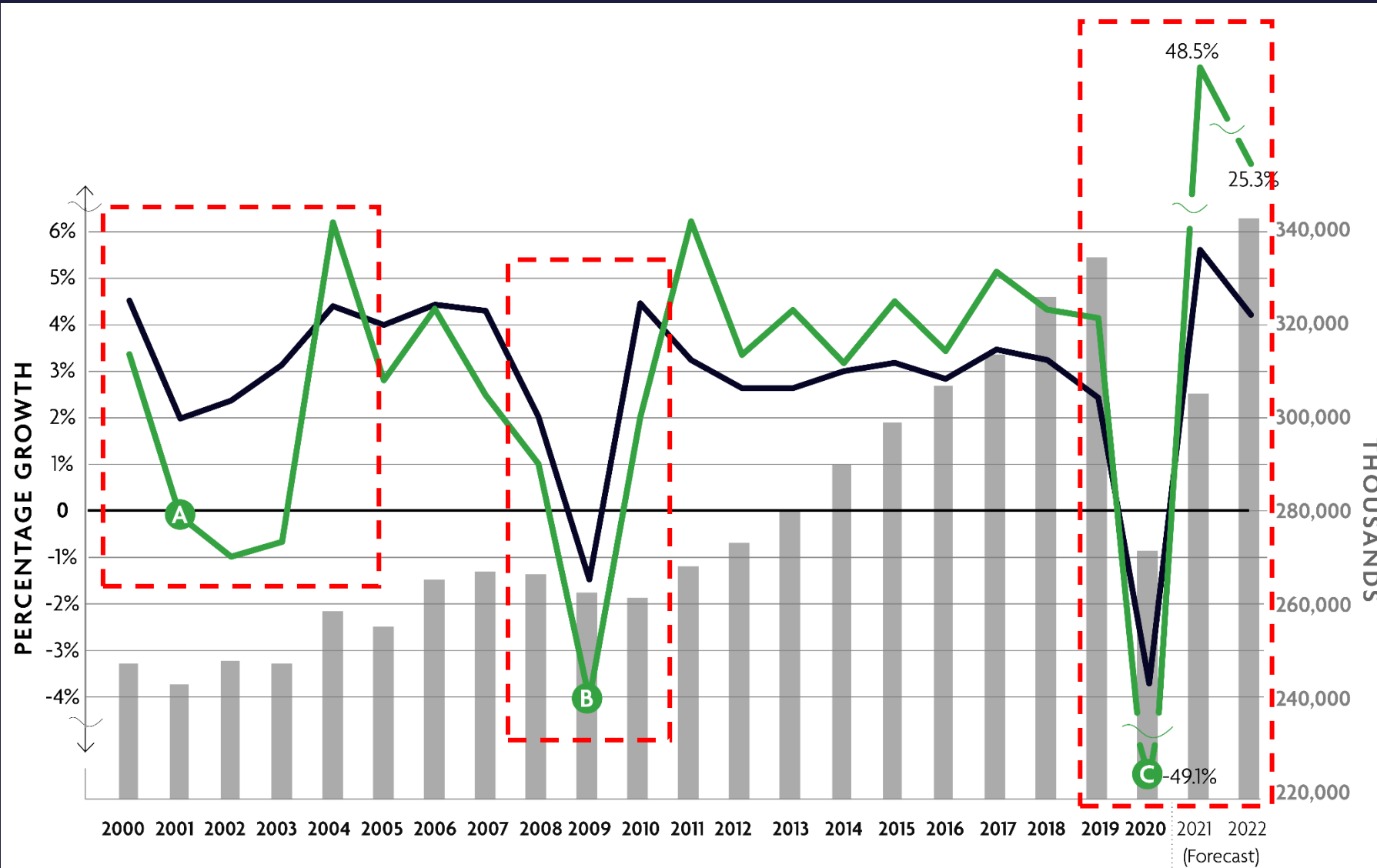= 1 in 10 jobs

2020
272MN
= 1 in 11 jobs

1 in 4 net new jobs were created by Travel & Tourism during 2014-2019

Change in jobs in 2020
-61.6MN
-18.5%

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Economic Impact Timeline : 2000 - 2020

Key:

— T&T GDP growth (%)

— Economy GDP growth (%)

T&T employment (000s)

Key Events:

Ⓐ 9/11

Ⓑ Global Financial Crisis

Ⓒ COVID-19

48.5%

25.3%

-49.1%

PERCENTAGE GROWTH

THOUSANDS

6%, 5%, 4%, 3%, 2%, 1%, 0, -1%, -2%, -3%, -4%

340,000, 320,000, 300,000, 280,000, 260,000, 240,000, 220,000

2000 2001 2002 2003 2004 2005 2006 2007 2008 2009 2010 2011 2012 2013 2014 2015 2016 2017 2018 2019 2020 2021 2022 (Forecast)

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WTTC Strategic Framework

Vision:
Travel & Tourism grows sustainably for a better world

Mission:
To maximise the **inclusive and sustainable growth** potential of T&T by partnering with governments, destinations, communities and other stakeholders to drive **economic development, create jobs, reduce poverty** and foster **peace, security and understanding** in our world

R E C O V E R Y

Security & Travel Facilitation

- **Safe & Seamless Traveller Journey**
  - Post vaccine
- **Resume international travel**
  - Remove quarantines
  - Testing protocols
  - Air corridors
  - Travel advisories
- **Visa Facilitation**
- **Digital Agenda**
  - Contact tracing / *Interoperability*

Crisis Preparedness, Management & Recovery

- **100 Million Jobs Recovery Plan**
- **Rebuilding Traveller Confidence**
  - Stamp & Protocols
  - Consumer Plan
- **Preparing for the Future**
  - Resilience
  - Best Practices
  - Future of Travel

Sustainable Growth

- **Climate Friendly Travel**
  - Carbon neutrality by 2050 (UNFCCC)
  - Science-based targets
- **Environmental Action**
  - Plastics & food waste
- **Sustainable Tourism**
  - Destination & Community Engagement
  - Illegal Wildlife Trade
  - Human Trafficking
- **Social Impact**
  - Inclusion & Diversity
  - Future of Work / Women's Initiative

Member Value | Government Engagement | Research, Marketing, Communications & Events | People & Finance

Safe & Seamless Traveller Journey

Five Principles of Success

1. Public/private sector collaboration

2. Data collection and sharing

3. Data privacy

4. Interoperability

5. Customer-first by design

Operational Impact

- Increased airport processing times to manage COVID19 status records is leading to **overcrowding** and **long queues**

- IATA estimate the average airport processing time today has increased from 90 minutes to 3 hours (**100% increase**)

- ACI estimate this is leading to between **50-100% more space required** at check in, security, boarding gates, immigration and baggage reclaim

- This situation could get worse as traveller volumes increase…

- Digital processes and digital travel passes are therefore **critical** to limit the impact on travellers and airport capacity
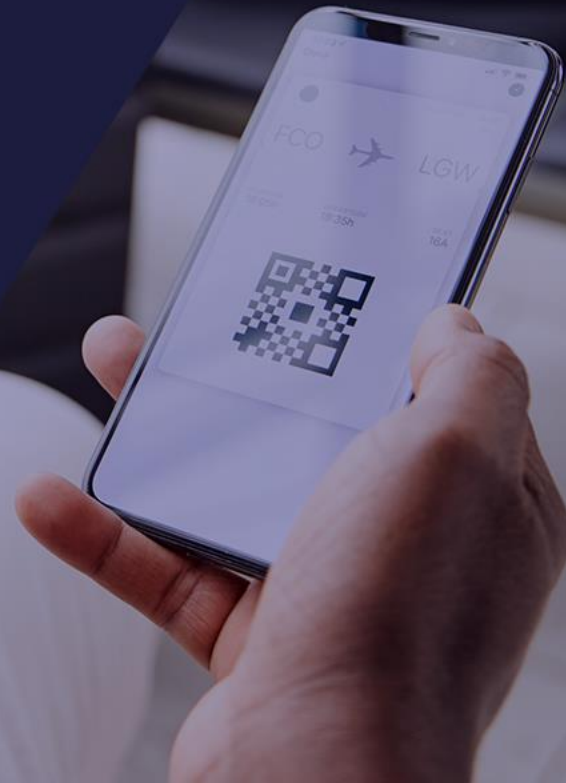
Strong traveller support for digital passes

78% Think a 'vaccine passport' should be required for travellers entering a country

**73%** Believe this would make travel safe

There is strong support across all demographics

	Total	Gender		Age			Education		
		Male	Female	Under 35	35 to 49	50 to 74	Low	Medium	High
Base:	21,021	10,143	10,878	7,239	5,963	7,819	3,419	7,613	9,986
All travelers entering [COUNTRY] should be required to have a vaccine passport	78%	78%	78%	74%	76%	83%	76%	78%	79%
They would be effective in making travel and large events safe	73%	72%	73%	70%	72%	76%	70%	73%	75%

Digital Passes Global Activity

Private Sector Initiatives

Many solutions - Only a selection….

IATA Travel Pass

AOKpass

CommonPass

CLEAR HEALTH PASS+

VCI™

IBM Digital Health Pass
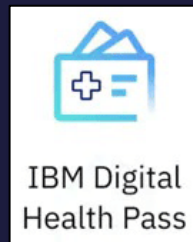
International Initiatives

EU COVID19 Certificates (test, vaccine & recovery)

Test Certificate Standards — ICAO

Vaccine Certificate Standards — World Health Organization

Blueprint for International Mobility — OECD

National Initiatives

Denmark — CORONAPAS

England — NHS

Israel

Bermuda — SAFEKEY

France — #TousAntiCovid

GOOD HEALTH PASS

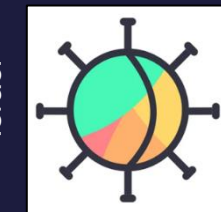WORLD TRAVEL & TOURISM COUNCIL

# What we need to move forward together

- Focus on digital passes for international travel (vs domestic & healthcare use)

- COVID19 health checks for travel that are consistent, automated and integrated with operational systems in the most effective way through internationally agreed standards

- Common terminology (e.g. digital health pass, vaccine passport)

- Minimum data sets, with clear go/no go decisions (no need for exchange of unnecessary sensitive personal data)

- Government trust and acceptance of digital passes

- Strong public and private sector collaboration

GOOD HEALTH PASS

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READY TO TRAVEL: Digital Health Passes for Safe & Seamless Travel

Questions ?
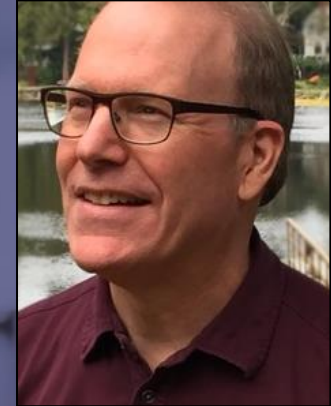
WORLD TRAVEL & TOURISM COUNCIL
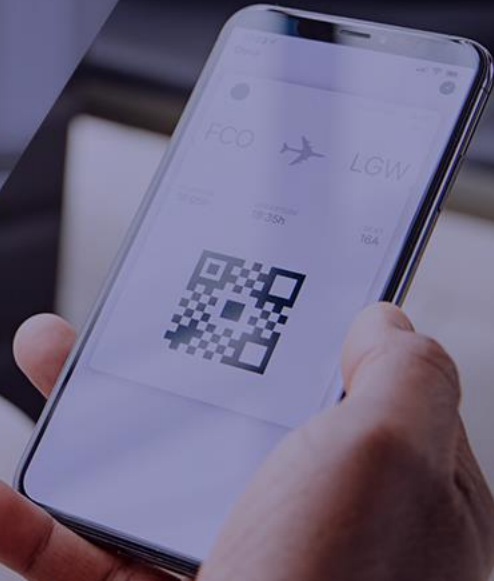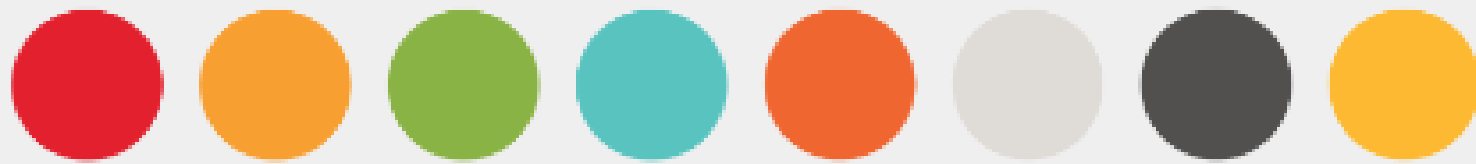
GOOD HEALTH PASS

Over the last few months, countries have debated over requiring **proof of COVID-19 health status** (e.g., a negative test or vaccination) to help restart international travel and local economies.

In the absence of standards, dozens of solutions have rushed to market. These vary greatly in terms of **privacy, security**, and **user control over personal data** — and **none are interoperable.**

Countries, airlines, and businesses have already begun rolling out programs. But with **concerning new variants**, and **inequitable vaccine rollout**, these systems are likely to be with us **longer than anticipated.**

The New York Times

Seven European Countries Begin Issuing Covid Travel Certificates

A digital Covid certificate system intended to ease travel within the European Union became operational in seven countries on Tuesday...

10 hours ago

Simple Flying

British Airways Begins Trialling IATA's Travel Pass Health Passport

Health passports are being lauded as a solution to enabling widescale travel following the vast impact of the COVID-19 pandemic. Currently, the ...

8 hours ago

The Washington Post

E.U. agrees on covid certificates to sweep away barriers on travel between countries

The deal will eliminate quarantine requirements by July 1 for travelers who can prove they're a low risk to spread infection.

2 weeks ago

India Today

How to download Covid-19 vaccine certificate online: Step-by-step guide

The second phase of the Covid-19 vaccination drive began in India on March 1, and it includes people who are above the age of 60 years and ...

1 month ago

How do we ensure these solutions are "**good**"?

How do we create **standards** that promote **privacy** and **inclusivity**?

And how do we ensure solutions are **interoperable** with one another?

The Good Health Pass Collaborative is a multi-sector global initiative to establish **principles and standards for digital health passes** for international travel.

GOOD HEALTH PASS

110+ endorsing organizations

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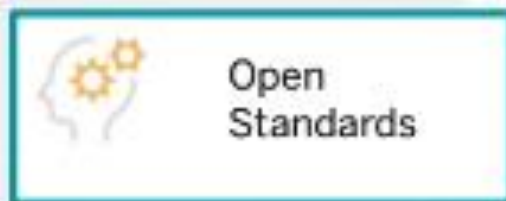
Overview of Credential & Pass Initiatives

Establishing Common Terminology: What is a "Good Health Pass"?

Almost a dozen different terms have been used publicly to describe what a person needs to present to prove their **COVID-19 health status**

We focus on **four primary terms**

health certificate
health credential

Purpose-specific selective disclosure

GOOD HEALTH PASS

health pass
travel pass

- Contain the full set of health data necessary to prove health status to **any** verifier
- Not context-specific
- Does not include other data

- Contains only the minimum data necessary to prove health status to **one verifier**
- May contain other context-specific data (e.g., travel)

health certificate
health credential

Examples

- WHO Smart Vaccination Certificate
- EU Digital COVID Certificate
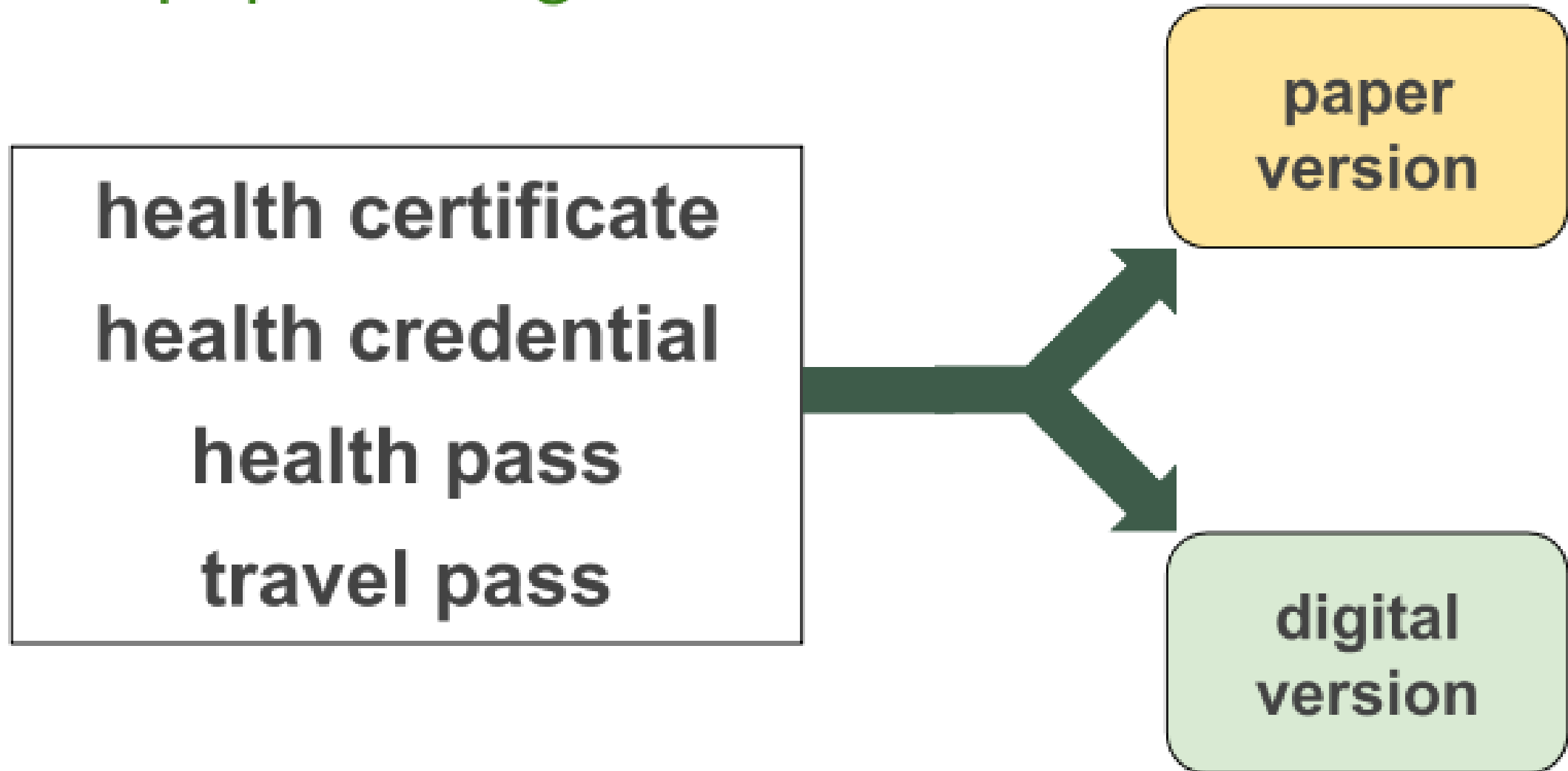- ICAO CAPSA
- VCI Smart Health Card
- Many others...

health pass
travel pass

Examples

- IATA Travel Pass
- ICC AOKpass
- IBM Digital Health Pass
- CommonPass
- Many others...

All four can be produced in either paper or digital versions

health certificate

health credential

health pass

travel pass

paper version

digital version

Guide to the
GHPC Interoperability Blueprint

GOOD HEALTH PASS

The GHP Blueprint articulates recommendations on how to design a **globally interoperable digital pass and trust ecosystem**

Overview of GHP Blueprint

#1	Consistent User Experience
#2	Security, Privacy, and Data Protection
#3	Identity Binding
#4	Standard Data Models and Elements
#5	Credential Formats, Signatures, and Protocols
#6	Paper Credentials
#7	Rules Engines
#8	Trust Registries
#9	Governance and Trust Frameworks

✓ Problem description & context

✓ Good Health Pass design requirements & considerations

✓ Normative & phased recommendations
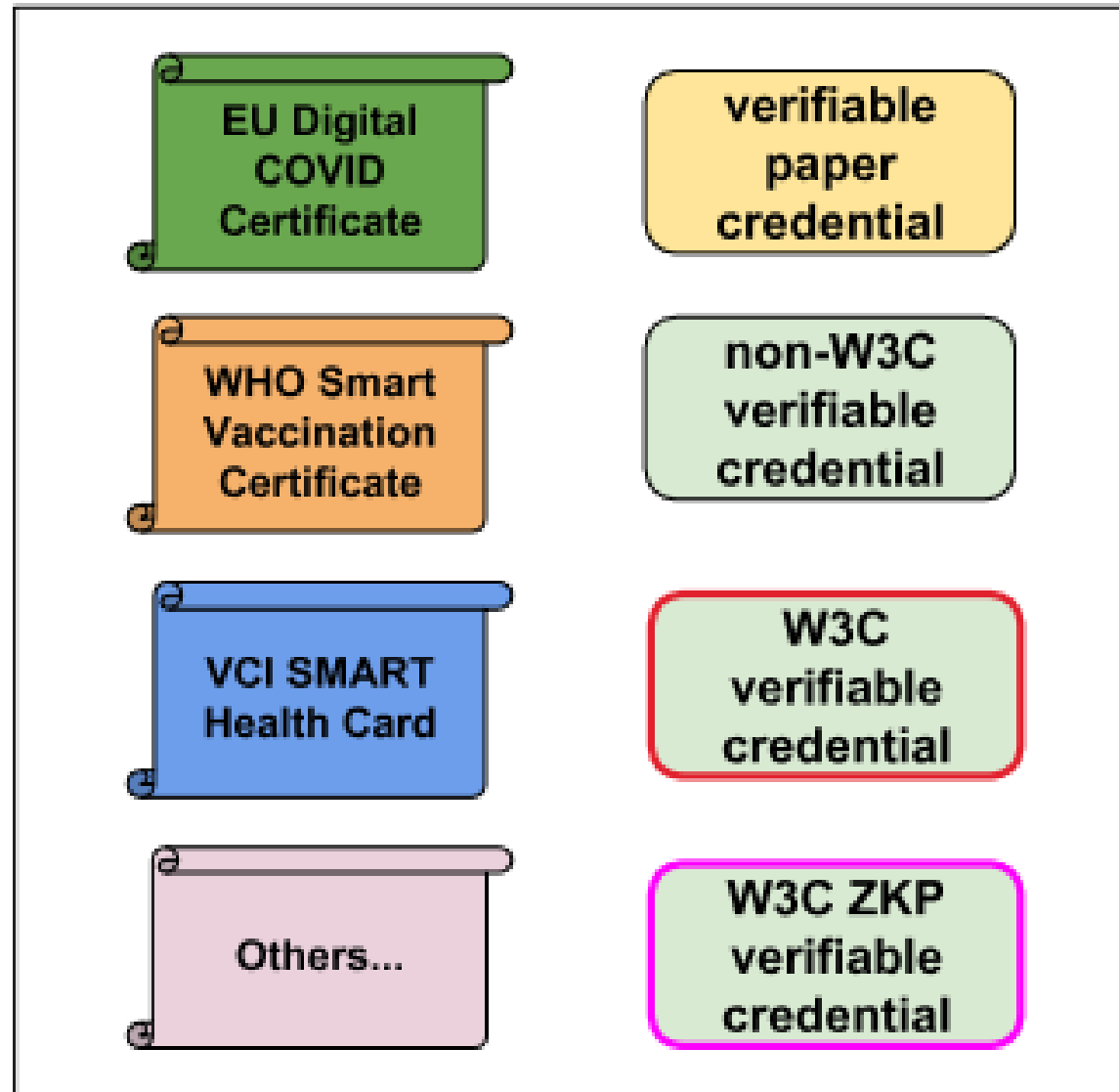
GHP Blueprint Design Considerations

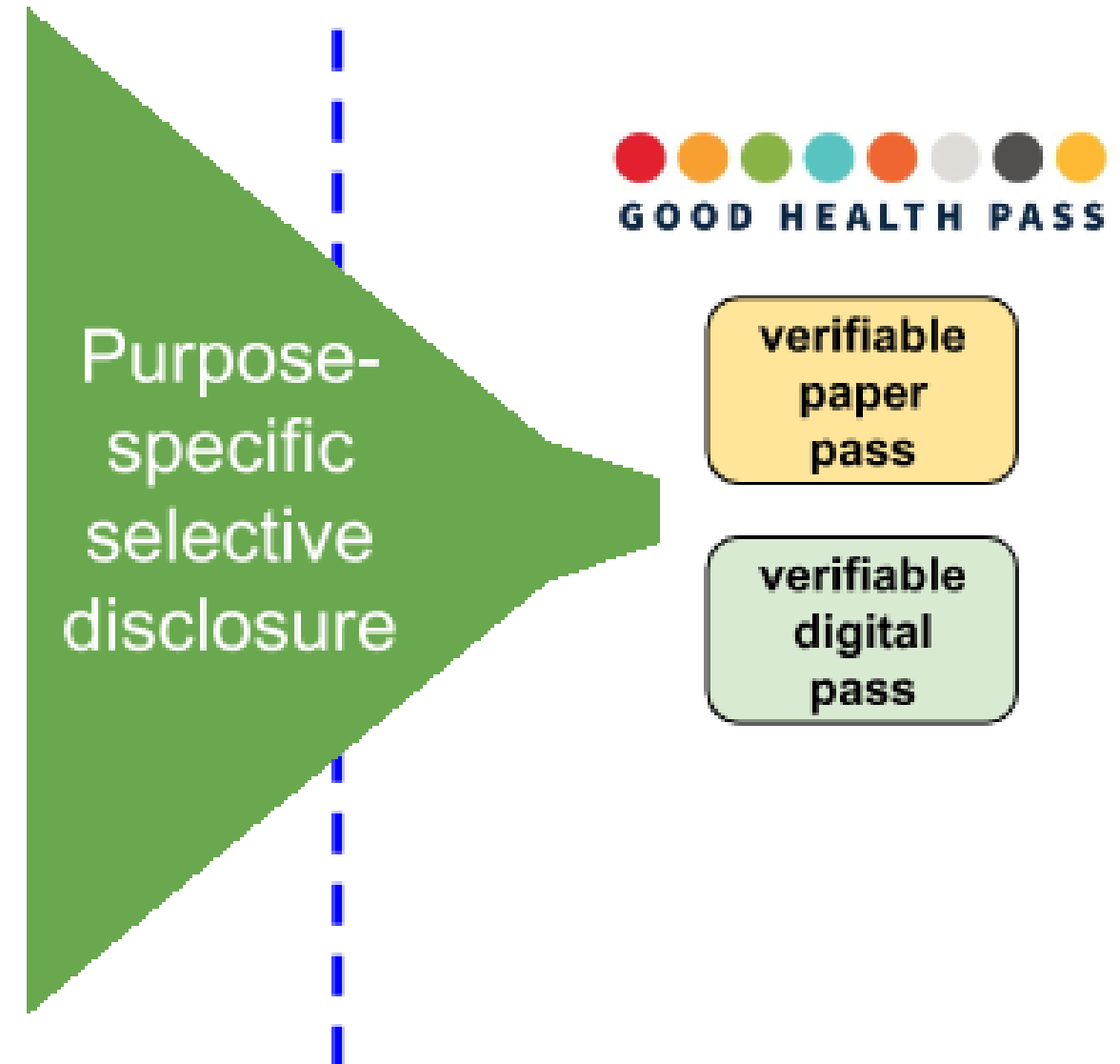| DESIGN PRINCIPLE	ARCHITECTURE CHOICE
Individual must be at the center of the data exchange	**Decentralized identity architecture**, incorporating the **World Wide Web Consortium (W3C) Verifiable Credentials Standard** and **selective disclosure**
Equity and inclusion is essential	Recommendations reflect **minimum datasets** for COVID-19 tests and vaccines Considerations for **paper-based credentials and passes**
Decentralization for global security and scalability	Global ecosystem of decentralized trust registries using **W3C Decentralized Identifier Standard**
Open standards for interoperability and participation	**W3C Verifiable Credentials** (specifically the most privacy preserving type: JSON-LD ZKP BBS+)
Grounded in reality	**Phased recommendations (e.g., 30/90/180 days)** to support incremental improvements Recommendations for **ingesting existing or legacy approaches** into GHP ecosystem

GHP Blueprint Design Considerations

A "GHP-compliant" health or travel pass follows the Good Health Pass Principles by:

Digital Signatures

Being **digitally signed**, so it is **verifiable** as originating from an authorized issuer

Identity Binding

Being **securely bound to the traveler's identity**, just like an international passport, so that forgery becomes very difficult

Privacy By Design

Applying **data minimization** and **anti-correlation** so the pass transmits only the data a verifier absolutely needs to know

Health Certificates & Credentials

EU Digital COVID Certificate	verifiable paper credential
WHO Smart Vaccination Certificate	non-W3C verifiable credential
VCI SMART Health Card	W3C verifiable credential
Others...	W3C ZKP verifiable credential

Purpose-specific selective disclosure

Health Passes

GOOD HEALTH PASS

verifiable paper pass

verifiable digital pass

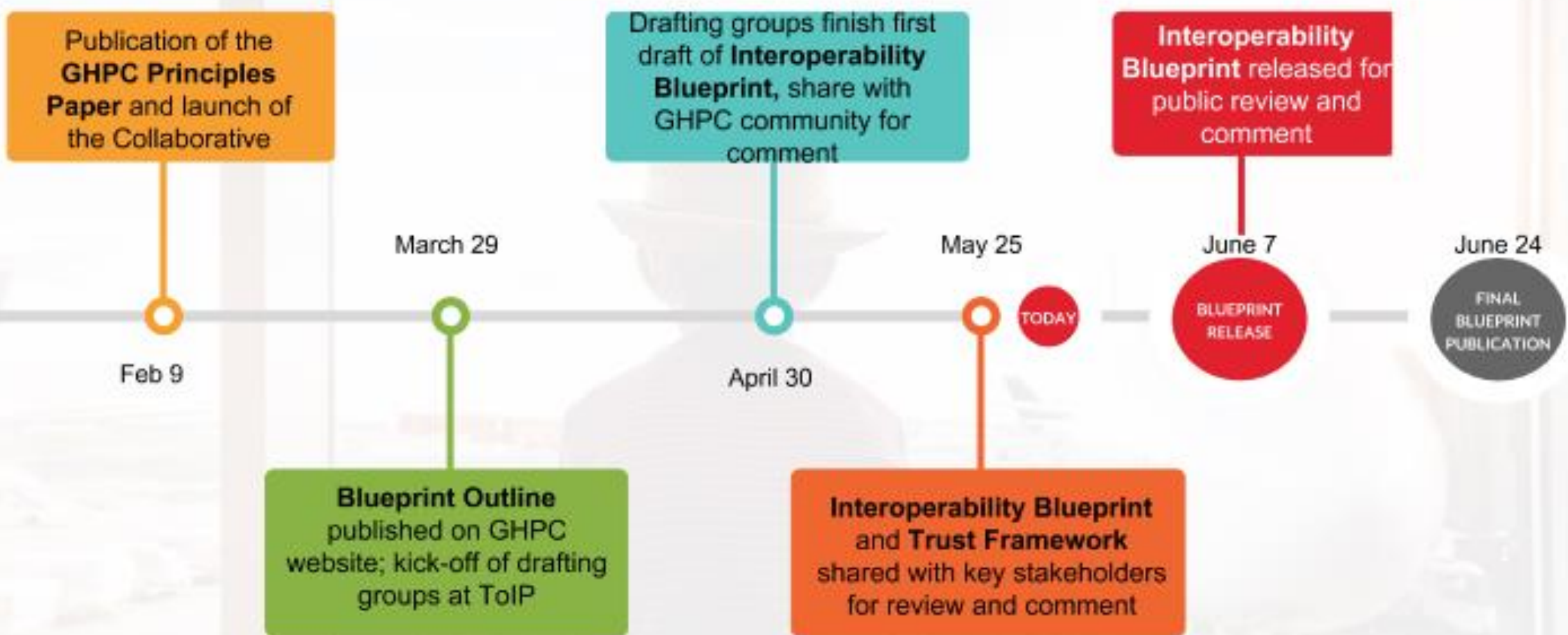# Call to Action

The Good Health Pass Collaborative is now **actively soliciting feedback** on the recommendations in the blueprint

Calls to Action

|	
COMMENT	Review, comment, and provide feedback on the GHP blueprint using these forms.
ENDORSE	Endorse the GHP Principles and join GHPC to help drive technical discussion, communication, and education around the need for global interoperable health passes.
IMPLEMENT	Adopt the GHP blueprint and implement standards for an interoperable, privacy-centric, and principles-based approach to "good" health passes. Connect with implementers through the COVID-19 Credentialing Initiative.
PROVE	Participate in a GHPC Compliant Interoperability Trial.
EXTEND	Support connectivity initiatives with the EU Digital Covid Certificate and other public and private sector initiatives.
COLLABORATE	Help establish the Good Health Pass Global Trust Network to address health pass provider (public and private) interoperability and certification, along with essential education and communication around GHP-compliant solutions for the air travel industry.

THANK YOU!

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Discussion
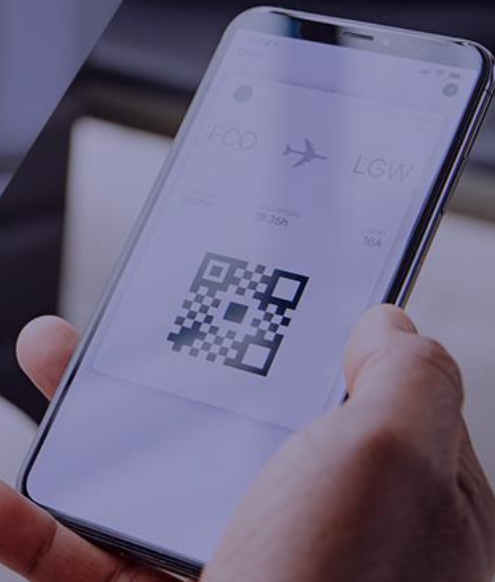
Thank You

For more information please contact:

WTTC : james.mcdonald@wttc.org

Good Health Pass Collaborative : dakota@id2020.org

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