

## EU Digital COVID Certificate

European Commission presentation for the 2<sup>nd</sup> Joint ITU/WHO Workshop on Digital COVID-19 Certificates

**Session 1:** Experience, best practices and solutions of digital COVID-19 certificates and certificate-based services

9 November 2021

## What is the EU Digital COVID Certificate?





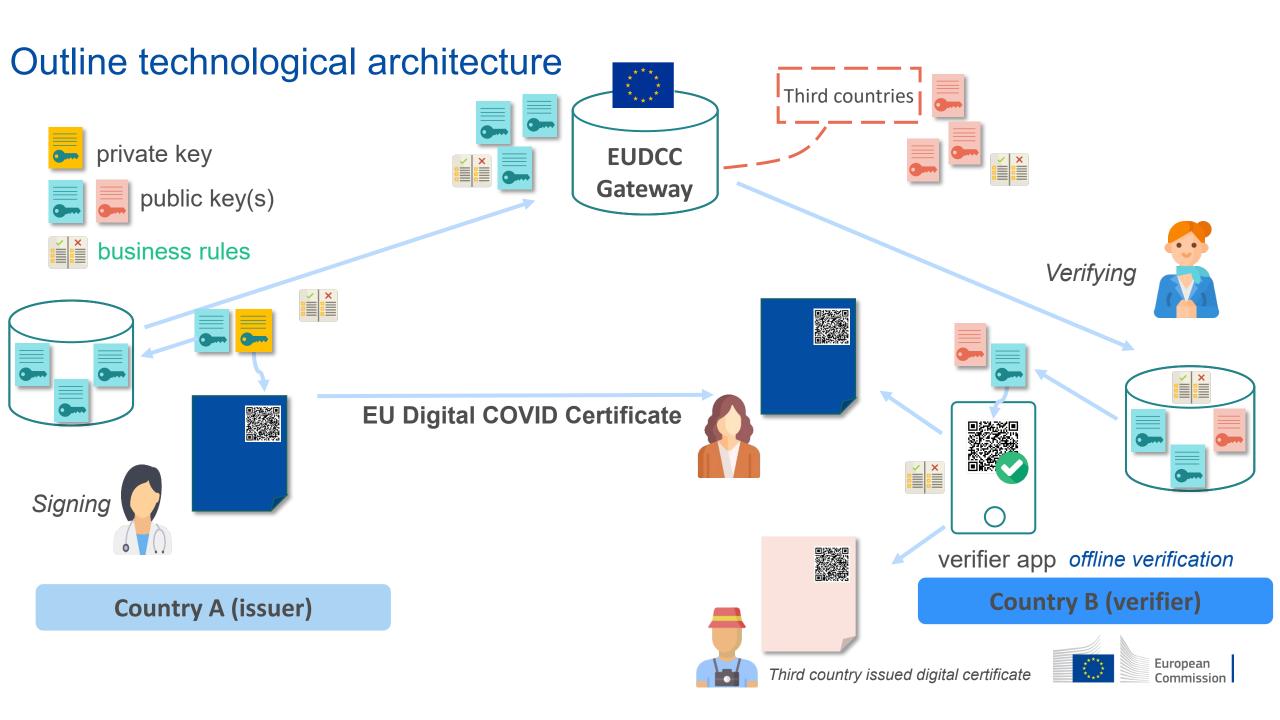
#### Digital proof that a person has either

- been vaccinated against COVID-19
- received a negative test result
- recovered from COVID-19

#### What does it entail?

- Data is encoded, compressed and digitally signed in interoperable barcode
- Paper or digital format, easy to read
- Free of charge
- Bound to an EU citizen: 1 certificate, 1 holder
- Europe-wide validity
- Signature validation key exchange is done via an EU Gateway





### Datasets in the EU DCCs

	Vaccination	Test	Recovery
Personal data	<ul><li>name: surname(s) and forename(s)</li><li>date of birth</li></ul>	<ul><li>name: surname(s) and forename(s)</li><li>date of birth</li></ul>	<ul><li>name: surname(s) and forename(s)</li><li>date of birth</li></ul>
Clinical data	<ul> <li>disease or agent targeted:         COVID-19 (SARS-CoV-2 or one of its variants)</li> <li>COVID-19 vaccine or prophylaxis</li> <li>COVID-19 vaccine product name</li> <li>COVID-19 vaccine marketing authorisation holder or manufacturer</li> <li>number in a series of doses as well as the overall number of doses in the series</li> <li>date of vaccination, indicating the date of the latest dose received</li> <li>Member State or third country in which the vaccine was administered</li> </ul>	<ul> <li>disease or agent targeted:     COVID-19 (SARS-CoV-2 or one     of its variants)</li> <li>the type of test</li> <li>test name (optional for NAAT     test)</li> <li>test manufacturer (optional for     NAAT test)</li> <li>date and time of the test sample     collection</li> <li>result of the test</li> <li>testing centre or facility (optional     for rapid antigen test)</li> <li>Member State or third country in     which the test was carried out</li> </ul>	<ul> <li>disease or agent from which the holder has recovered: COVID-19 (SARS-CoV-2 or one of its variants)</li> <li>date of the holder's first positive NAAT test result</li> <li>Member State or third country in which test was carried out</li> <li>certificate valid from</li> <li>certificate valid until (not more than 180 days after the date of first positive NAAT test result)</li> </ul>
Metadata	<ul><li>certificate issuer</li><li>unique certificate identifier</li></ul>	<ul><li>certificate issuer</li><li>unique certificate identifier</li></ul>	<ul><li>certificate issuer</li><li>unique certificate identifier</li></ul>



Member States using EU DCC for domestic purposes

666m+

**Issued certificates** 

474m vaccination certificates \* 107m rapid antigen test certificates











### Key success factors and challenges

#### Overall, the EU Digital Covid Certificate has been a big success

- Success factors: political will, clear objectives, teamwork and trust, flexibility, funding, early implementation of EU DCC Gateway
- Challenges:
  - Time constraints
  - Heterogeneity of EU Member State healthcare systems
  - Initial agreement on use purpose
  - Data protection
  - Public expectations
  - Evolving epidemiological situation

These challenges
have not been
show-stoppers,
making the EU
Digital Covid
Certificate system
a success story



### Decentralised identity and the EU DCC

- Proposal on European Digital Identity (June 2021)
- Establish common toolbox to include technical architecture, standards and guidelines for best practices (September 2022)
- Digital wallets that link their national eIDs with proof of other personal attributes
- Lack of interoperability between national elDs
- Use case: healthcare to be included



# Thank you



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