Europass Digital Credentials Infrastructure (EDCI)

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Policy Context
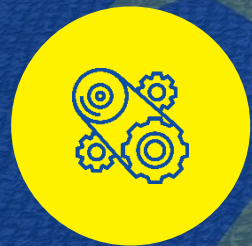
EDCI
Opportunities

EDCI
Technical Elements

Early
Adopters Program

European Commission

Standardisation

Interoperability
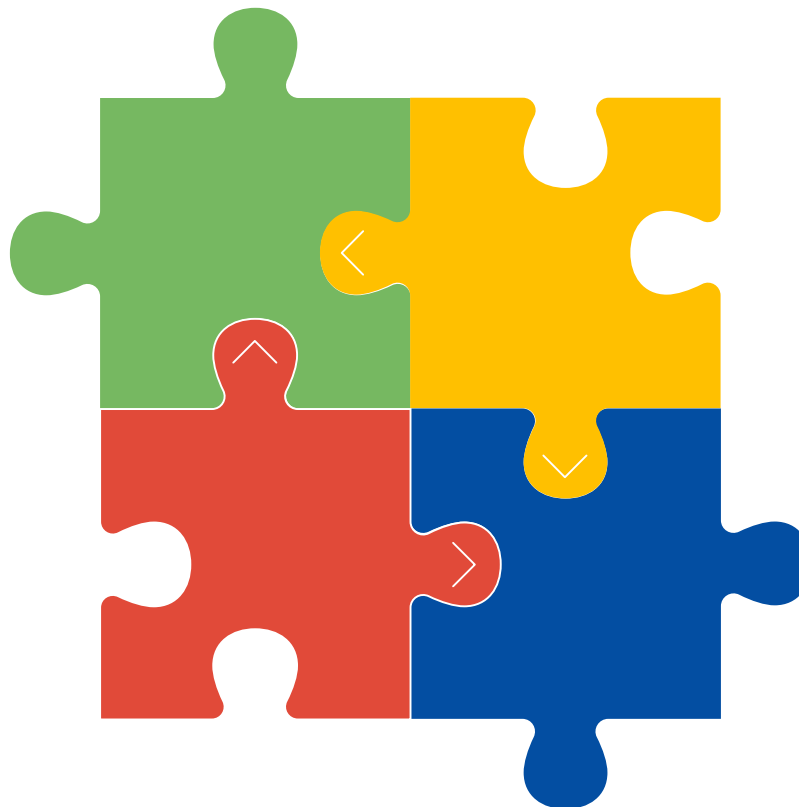
Legal validity

EUROPASS

Interoperability mechanism
Enables the exchange of information on skills and qualifications amongst different actors.

E-Portfolio
Support individuals to document and describe their skills, qualifications and experience and to manage their career from a lifelong learning perspective.

Information Provision
Provide information or links to available information on skills and qualification that helps users to better manager their lifelong career.
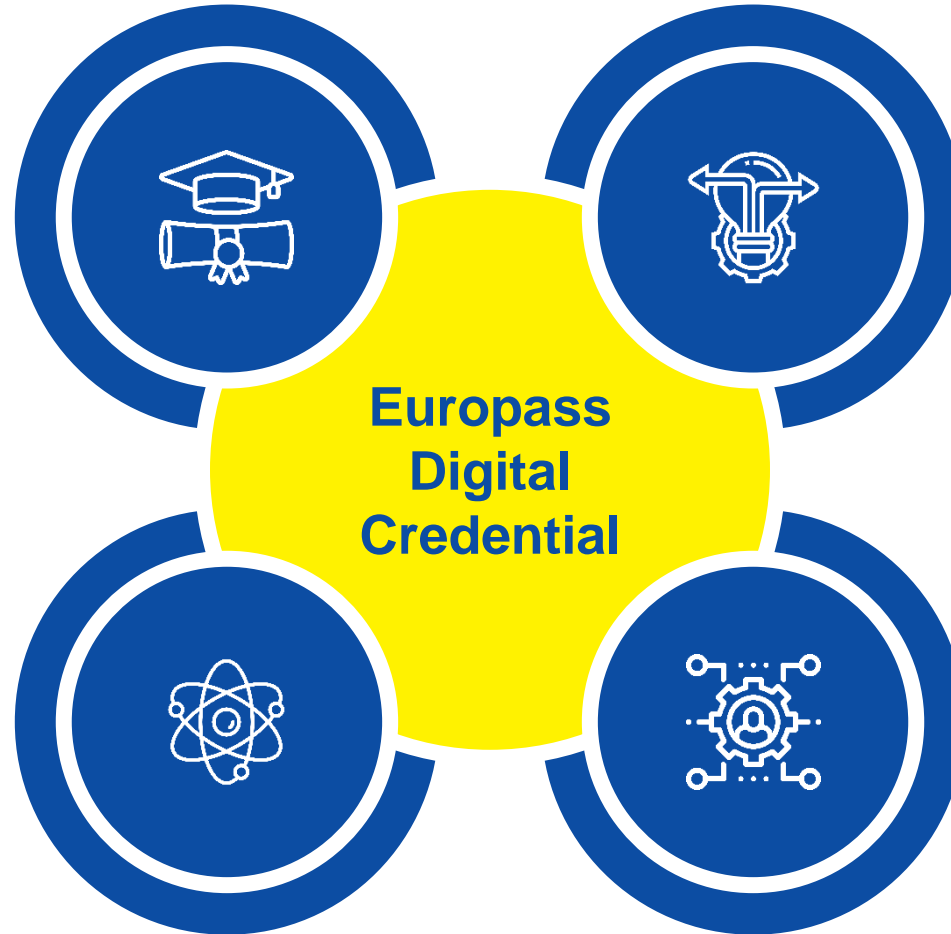
European Digital Credentials Infrastructure (EDCI)
Encompasses technical specifications to implement the framework. It comprise of core building blocks to help operationalize the framework: e-IDAS, Standards, Services and Software

The New Europass was launched on 1st July 2020
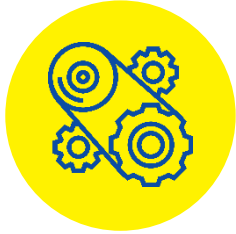
Digital Education Action Plan

Europass Decision

Europass Digital Credential

European Data Strategy

European Skills Agenda

OPPORTUNITIES FOR YOU

EDC - Opportunities

Interoperability

Use Data Model

Issue Credentials

Develop own applcations

Europass

Access to 2 million wallets

Access to Qualification and Awarding bodies data

❑ Curricular Standards

❑ Learning Opportunities (Courses)

❑ Credentials

❑ Accreditation Records

Credentials are XML

Verifiable Credentials

Credential Metadata

Claim(s)

Proof(s)

❑ **Activities** (something you did)

❑ **Achievements** (something you learned)

❑ **Assessments** (something you've proved)

❑ **Entitlements** (something you've earned as a result)

EDCI issuer - https://europa.eu/europass/digital-credentials/issuer/#/home
Europass Wallet - https://europa.eu/europass/en
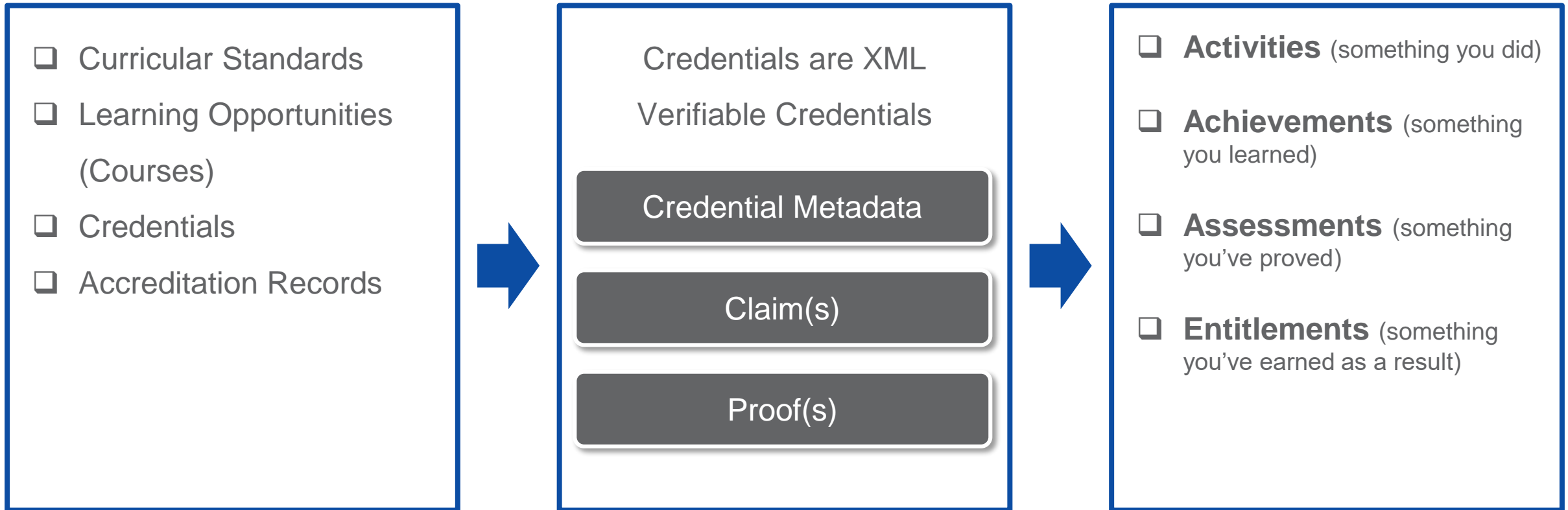
Scenario 2

↓

Issue Europass Credentials

↓

Any Platform can Issue

↓

Each Institution must use own e-Seal

Scenario 3

↓

Export Europass Presentations

↓

Must be nominated by a Member State

↓

One e-Seal for everything issued by the platform

Scenario 4

⬇

Build your own compatible Wallet

⬇

Must accept credentials from any issuer (integrate deposit API)

⬇

Must allow users to transfer credentials to other wallets & download credentials

Scenario 5

⬇

Build your compatible Viewer

⬇

Must display all information specified by the data model

⬇

Must implement verification checks

Verification Checks

Rules for Verification of Authenticity

- ✓ Has the credential been issued according to standard specified for that credential-type? (technical check of XML file for validity)

- ✓ Did the awarding body really issue the certification? (Check of the e-seal)

- ✓ Is the credential still valid? (Check against expiry information embedded in certification)

- ✓ Has the certification been revoked? (check against revocation list)
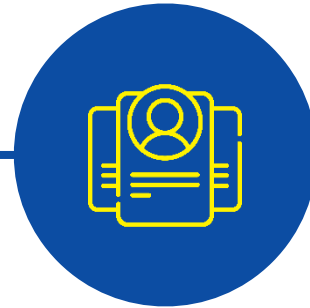
Rules for Verification of Identity

Where a credential-holder chose to authenticate themselves to the EDCI Viewer software using a qualified electronic signature, the following check will be performed:

- ✓ Is the person presenting the certificate the recipient? (Comparison of personally identifiable information embedded in the certification that of wallet-holder)

Rules for Verification of Accreditation

Where the credential being verified is an accredited qualification, the following additional check must be performed:

- ✓ Is the awarding body authorized to issue the qualification? (Check against **EDCI Accreditation** database)

Elements of the EDCI

Pillar 1

1. Standards
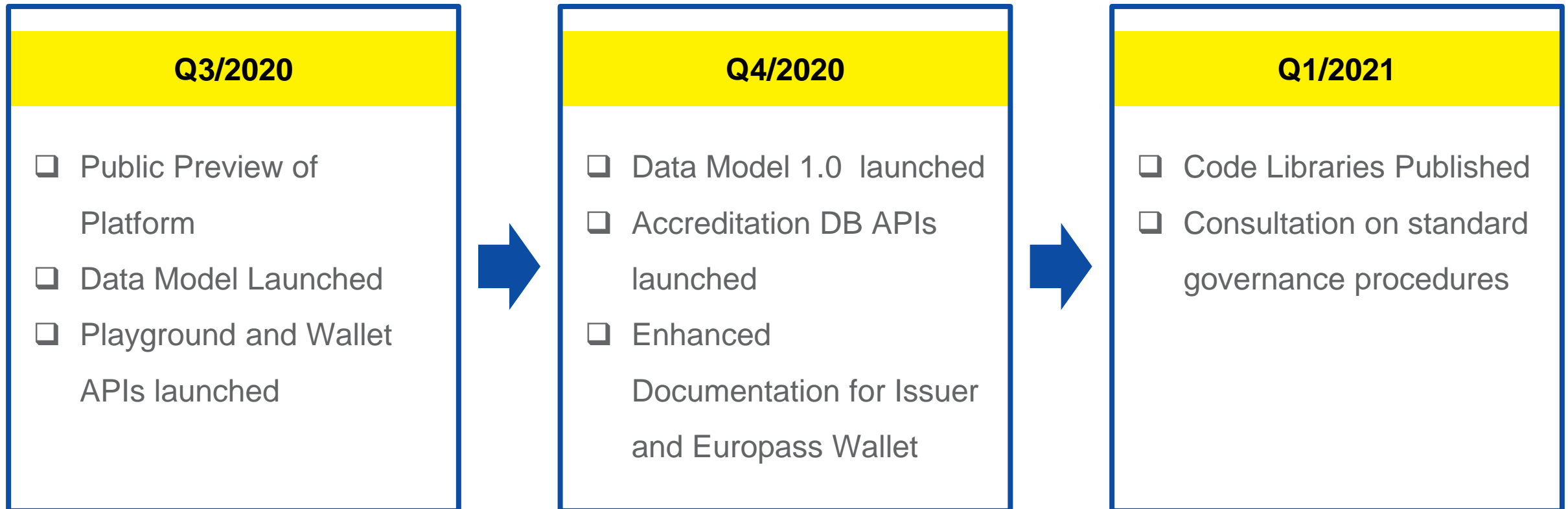2. Europass learning model (Linked to W3C VC)

Pillar 2

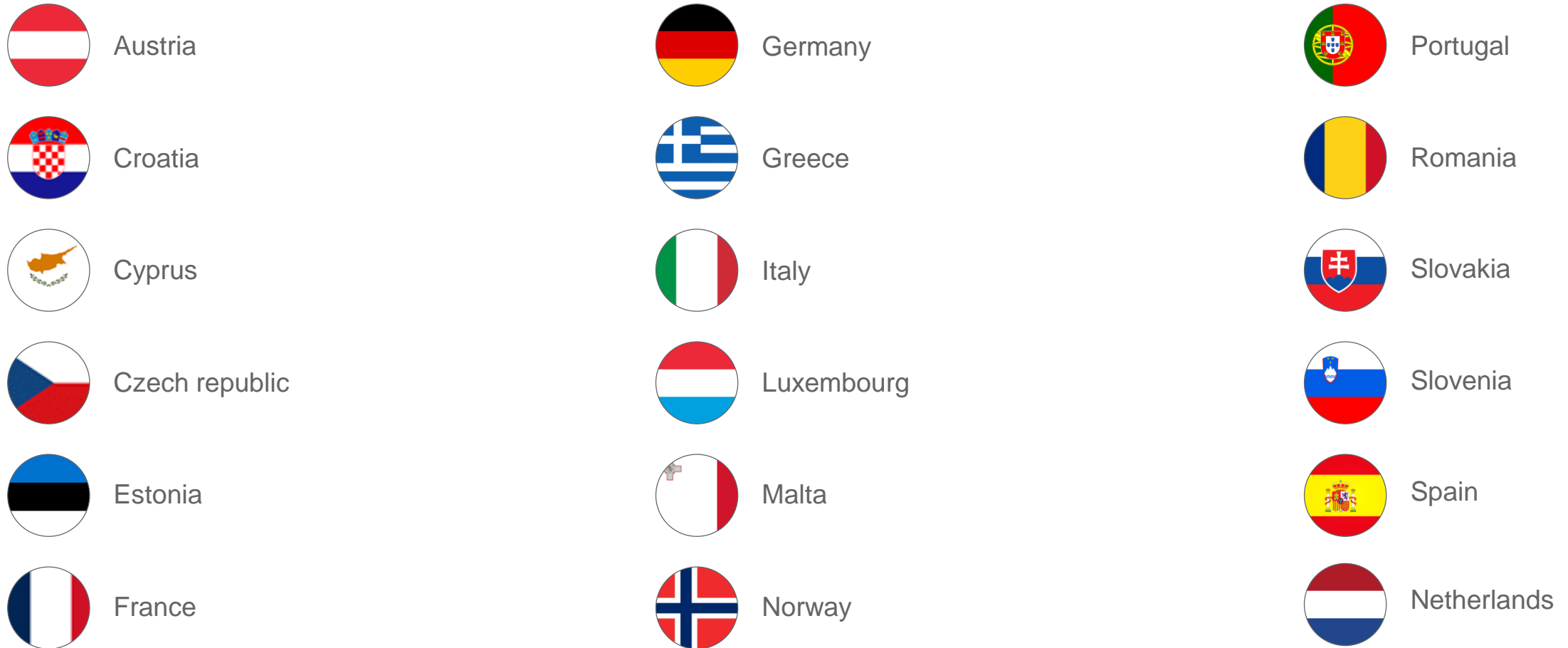1. Services
2. Issuer
3. Wallet
4. Viewer
5. Accreditation DB

Pillar 3

1. Software & support
2. eidas & europass code libraries
3. playground & API library
4. Helpdesk

NEXT STEPS

Timeline

Q3/2020

- ❑ Public Preview of Platform
- ❑ Data Model Launched
- ❑ Playground and Wallet APIs launched

Q4/2020

- ❑ Data Model 1.0 launched
- ❑ Accreditation DB APIs launched
- ❑ Enhanced Documentation for Issuer and Europass Wallet

Q1/2021

- ❑ Code Libraries Published
- ❑ Consultation on standard governance procedures

Collaborating partners get early access to interoperability standards, and opportunity to give feedback.

EDCI Implementation

Austria

Germany

Portugal

Croatia

Greece

Romania

Cyprus

Italy

Slovakia

Czech republic

Luxembourg

Slovenia

Estonia

Malta

Spain

France

Norway

Netherlands

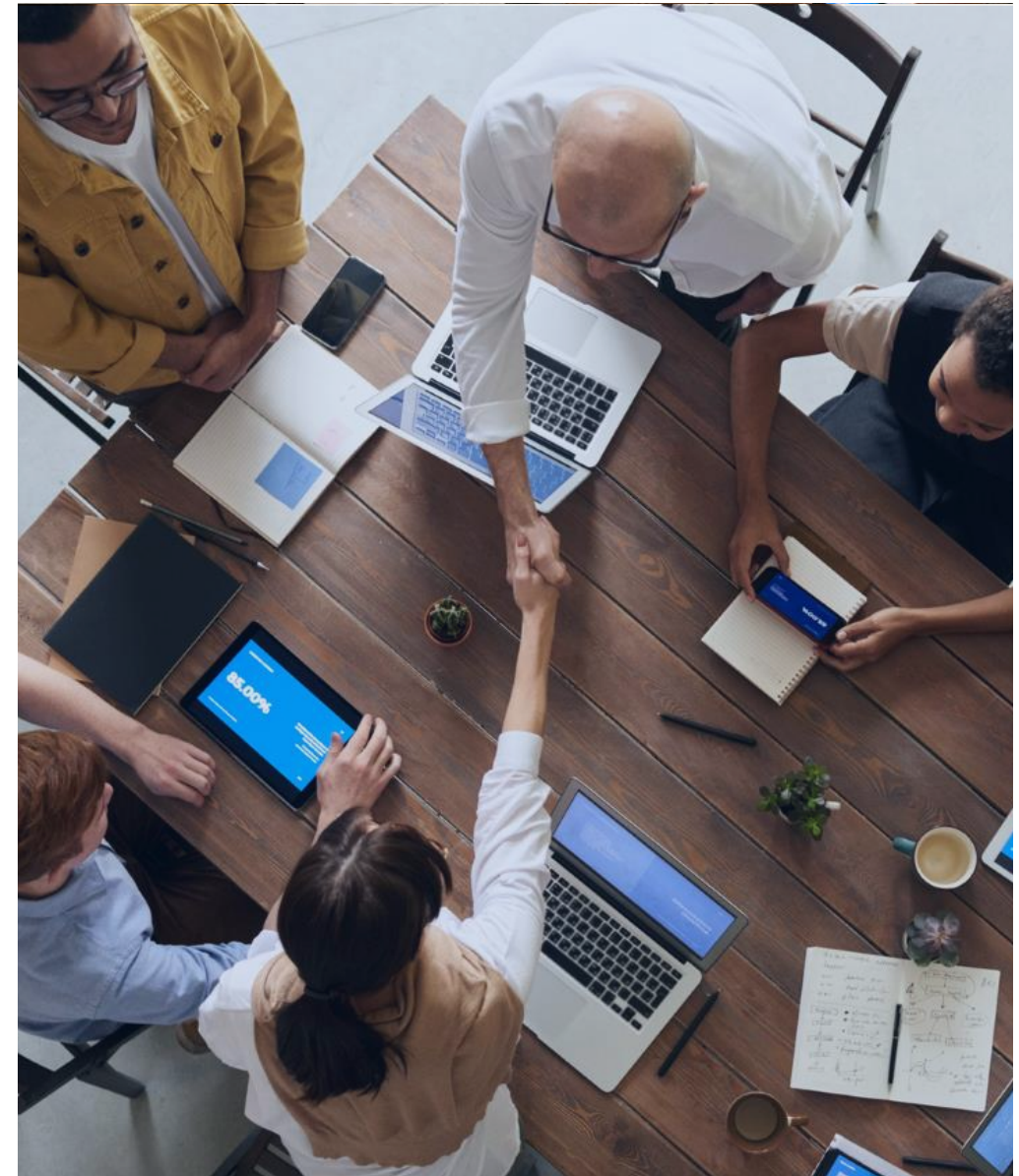## 18 Member States

EDCI – Pilots with Member States

EDC will be a core component of upcoming national digital credentialing initiatives

Member States will be looking to collaborate with vendors

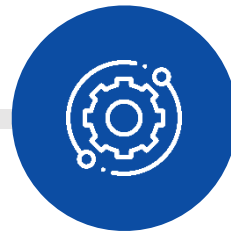EDC will be issued by countries across Europe from this September

EDCI – How to Get Involved

Functional mailbox:

EDCsupport@ext-ec-europa.eu

02

01

Technical support
integrating EDCI

Integration
with Europass

04

03

EDCI
vendors conference

EDCI – Information

The Futurium group for vendors

EDC functional mailbox
EDCsupport@ext-ec-europa.eu

EDC interoperability pages

Thank You