



eDelivery updates

3 November 2022



Agenda

1 Policy update

Transition from CEF to DEP

2 Funding update

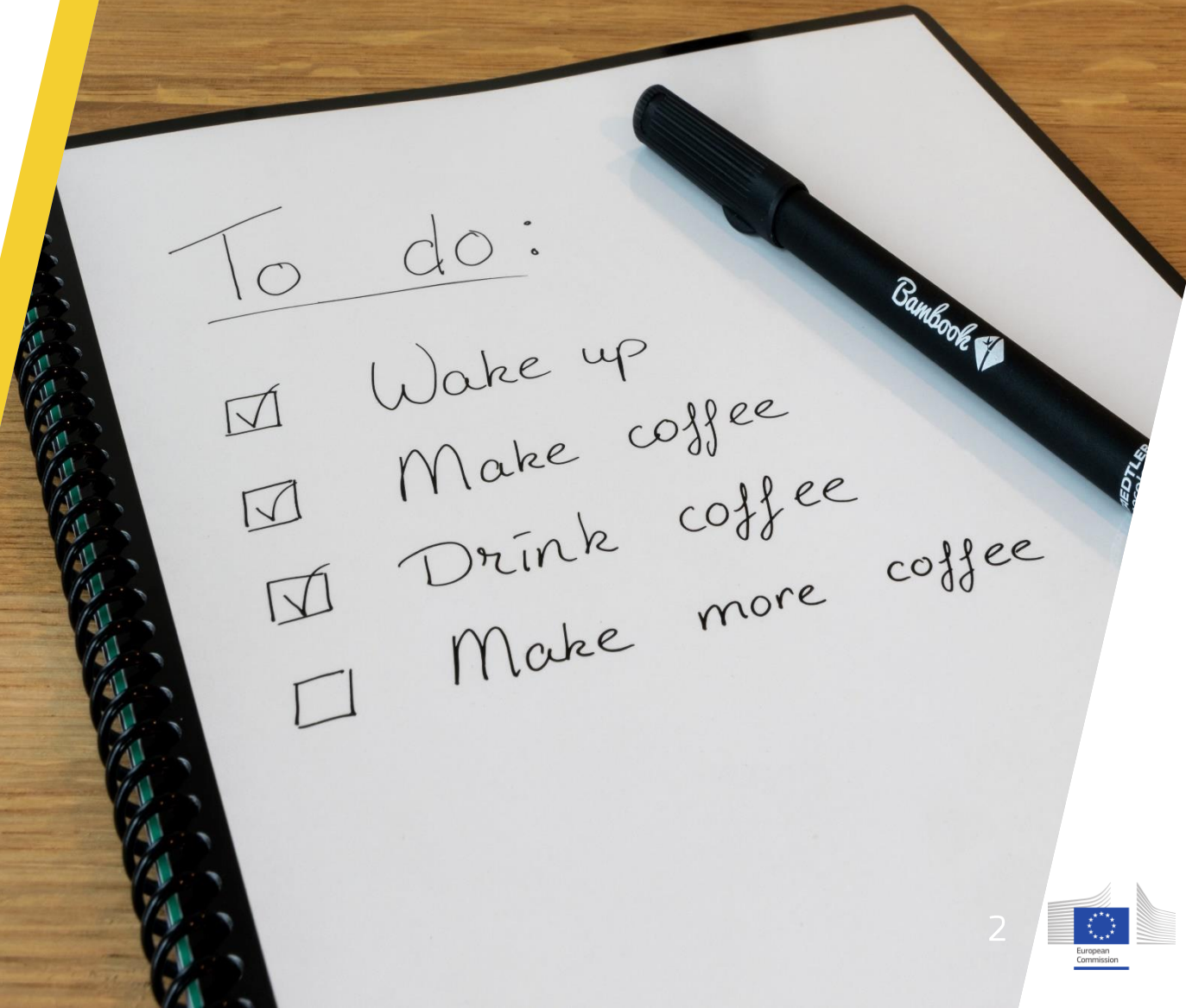
eDelivery grants

3 Profile Update

Security changes to eDelivery AS4 profile

4 Stay tuned

eDelivery newsletters



Building Blocks Policy Framework

2014

Launch of the
Connecting
Europe Facility

2021

Launch of the
Digital Europe
Programme

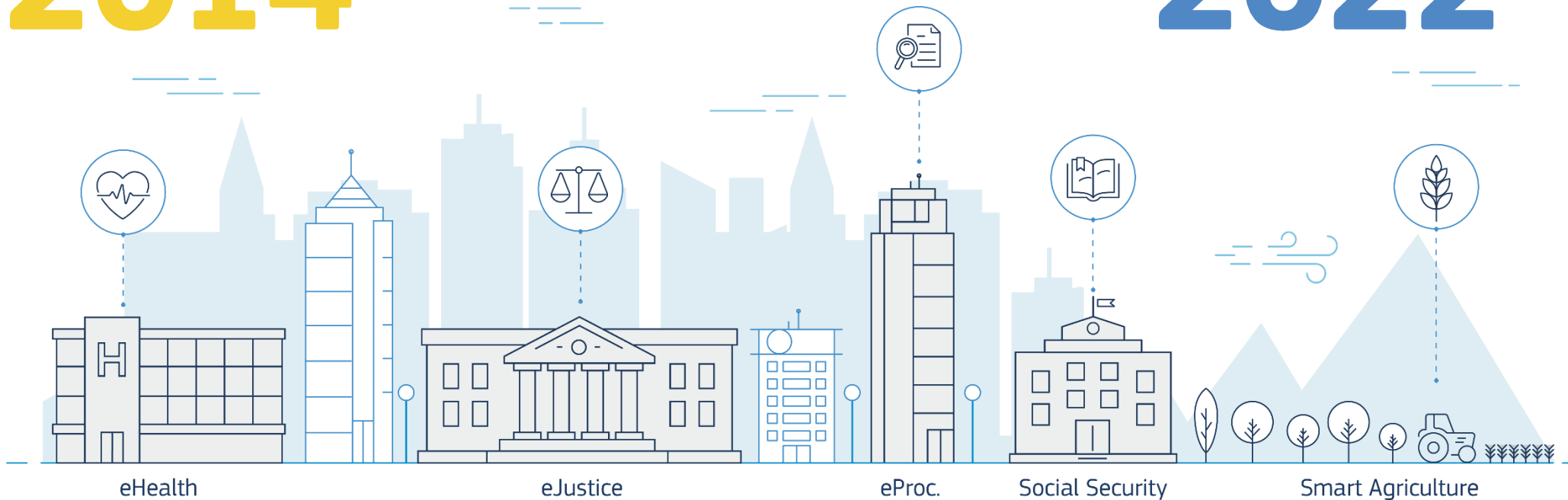
2014-2020's Multiannual Financial Framework

2021-2027's Multiannual Financial Framework

Building Blocks adoption throughout the years & sectors

2014

2022



- **338** projects reusing a Building Block.
- **53** projects committed to reuse.
- **88** projects committed to analyse.
- **150%** increase in reuse since 2018.

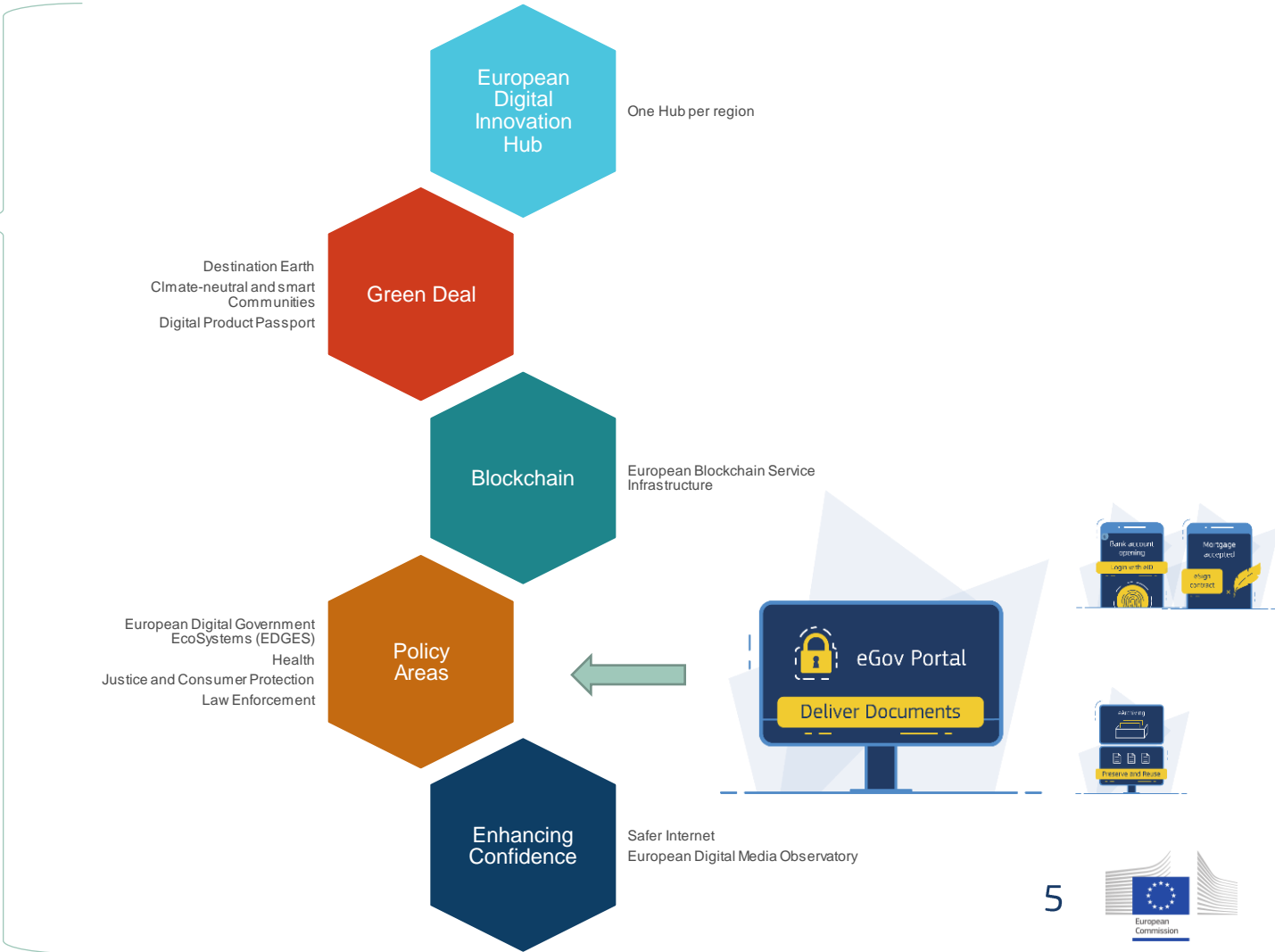
Digital Europe Programme – Specific Objective 5

Deployment and Best Use of Digital Capacities and Interoperability

Specific Objective 5 in WP 2021-2022



Other SOs relate to HPC, AI, Cyber and Digital Skills



EDGES

Continuation of CEF Digital + ISA² solutions

Data Ecosystem														Language Technologies	Architecture	Assessment	Policy supporting reusable solutions				Cross-domains reusable tools			Stakeholder Engagement					
Trust		Service Metadata			Semantics				Data sharing				Infringement	Competition	Procurement					Methods									
eID	eSignature	Registry of Authorities	Evidence Broker	Data Service Directory	CoreVocs (SEMIC) / CPSV-AP	Access to Base Registries	VocBench3	GeoData specifications (ETF testing framework + Re3gistry)	Electronic Documents and Electronic Files	eDelivery	eTrustEx	Automatic Translation	European Interoperability Architecture (EIA)	IMAPS (Interoperability Assessment of Digital Public Services)	CAMSS	Interoperability Testbed	THEMIS	eLeniency/eConfidentiality/eRFI	Electronic access to EC documents	eInvoicing	eCertis, ESPD (eProcurement)	Alignment of the former ESPD with the eProcurement Ontology, eForms and other services	Circabc	Eusurvey	LEOS	REF2LINK	European Legislation Identifier (ELI)	Joinup - 2016.20	Support to the platform / Stakeholder

eDelivery 2014-2020

CEF Telecom Programme

Grants

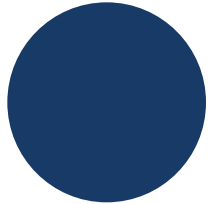
- 6 calls for grants, last one in 2020
- Budgets between €500k and €1M
- Last eDelivery action ended in September 2022

Results

- 23 grants contracted
- 63 Access Points deployed
- Total EU budget €5.16M with total costs of €6.95M in 19 MS, 2 EEA countries and one former MS (UK)

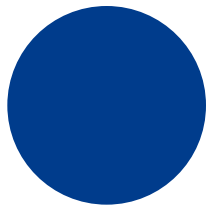
eDelivery 2021-2027

What's next for eDelivery grants?



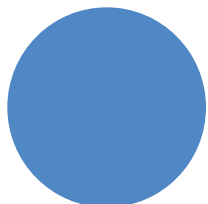
No specific funding

Specific funding for eDelivery is no longer available at the European level.



Funding as part of larger actions

Funding of eDelivery-related work may be eligible as part of larger actions under call priorities established in a Digital European Programme Work Programme, especially if under Specific Objective 5.



Funding at national level

Funding may be available from specific Member States as part of the national call for proposals using EU funds (NextGenerationEU).

Security changes to eDelivery AS4 profile

Objectives

New cryptography

Update cryptographic primitives to switch from RSA-based algorithms to more modern/secure ones (EC-based)

Better security

Define optional security enhancement to enable Perfect Forward Secrecy for eDelivery encryption

Updated TLS recommendations

Review and update the eDelivery recommendations concerning the use and configuration of TLS

Updated SMP specifications

Update the SMP specification to allow parties to publish metadata that can allow a gradual migration to the new cryptography

New cryptography: migrate away from RSA

Algorithm/Scheme	Proposal
Block Cipher	AES
Hash Function	SHA-2 family
AEAD	GCM/AES
Key Derivation Function	HKDF
MAC	HMAC/SHA-2
Digital Signature	<u>EdDSA</u>
Certificate Verification	RSASSA-PSS, RSA PKCS1-v1_5, ECDSA
Key Agreement	ECDHE
Key Transport	RSAES-OAEP
Key Encapsulation	ECIES-KEM

+ ECDSA

Already supported by eDelivery AS4 profile

To be supported by eDelivery AS4 profile

Not used

Design to avoid “big bang” switch from old to new cryptography (allow networks to transition gradually)

Updated SMP specifications

Objective

- Co-existence of RSA and EC metadata
- Tentative: publish separate certificates for signature and encryption
- Ensure backwards compatibility

Approach

- Use of multiple SMP transport profiles
- Adopt SMP 2.0
- No changes to current transport profile

Security changes to eDelivery AS4 profile

Roadmap



Looking into new cryptography
ENISA security report 2020, Certification Authority research

Discussing options
Ensure alignment of security updates in AS4 profiles

Acquiring cryptography expertise
Contracting and consulting

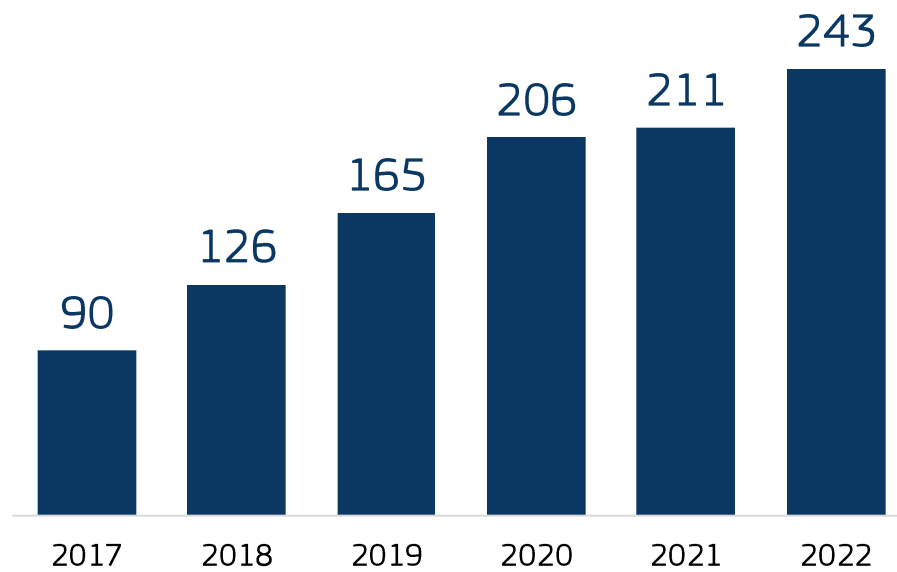
Preparing draft profile
for public consultation
(end 2022)

Product support
Start transition from old to new cryptography (2023)

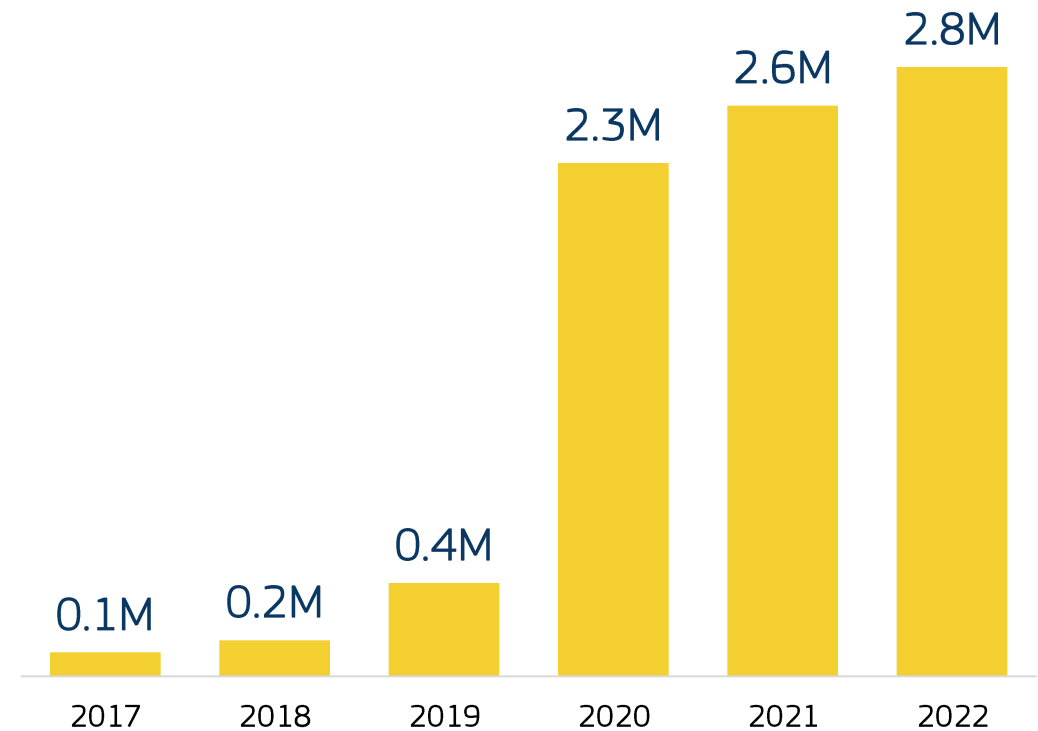
SML Service use

Statistics since 2017

Number of connected SMPs



Number of registered participants



Publications

Feel free to register here
eDelivery (4x/year)

<https://europa.eu/!v4njKB>

Building Blocks (2x/year)

<https://europa.eu/!jj87JU>



Digital eDelivery Newsletter

Get the latest news about eDelivery, part of the eIDAS enablers family of Building Blocks

Hello everyone,

We are excited to share with you this first edition of the Digital eDelivery Newsletter. This newsletter will inform you on important news and technical updates for eDelivery, provide an outlook of what we have planned for the coming months, and share information on our upcoming events. Highlights include an invitation to our hands-on webinar on the 13th of July, and news that eDelivery has been proposed as best reusable solution for the Once-Only Technical System (OOTS).

We hope you enjoy this first edition of the Newsletter. If you have a story to tell us about how eDelivery is helping you creating a Digital Europe, just reply to this email and you may be featured in our next newsletter.

Please scroll to the end for information about this newsletter.



Digital Europe Newsletter

Get the latest news about eIDAS enablers family of Building Blocks.

Hello everyone,

We are excited to welcome you to the very first edition of our DIGITAL Building Blocks Bulletin and want to **warmly thank you for your continued interest in the Building Blocks!**

The beginning of 2022 has marked a new chapter in our collective efforts for creating a truly digital Europe. The work begun under CEF Digital continues under the **Digital Europe Programme (DIGITAL) (2021-2027)**, the EU's new funding programme aiming to bring digital technology to businesses, citizens, and public administrations.



Events



Success stories



News



Technical Updates

Find out more about

eDelivery

Click the link:

<https://europa.eu/!8rtpfj>

<https://europa.eu/!HkhvPD>

Drop us a line:



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Thank you!

