

# eDelivery updates

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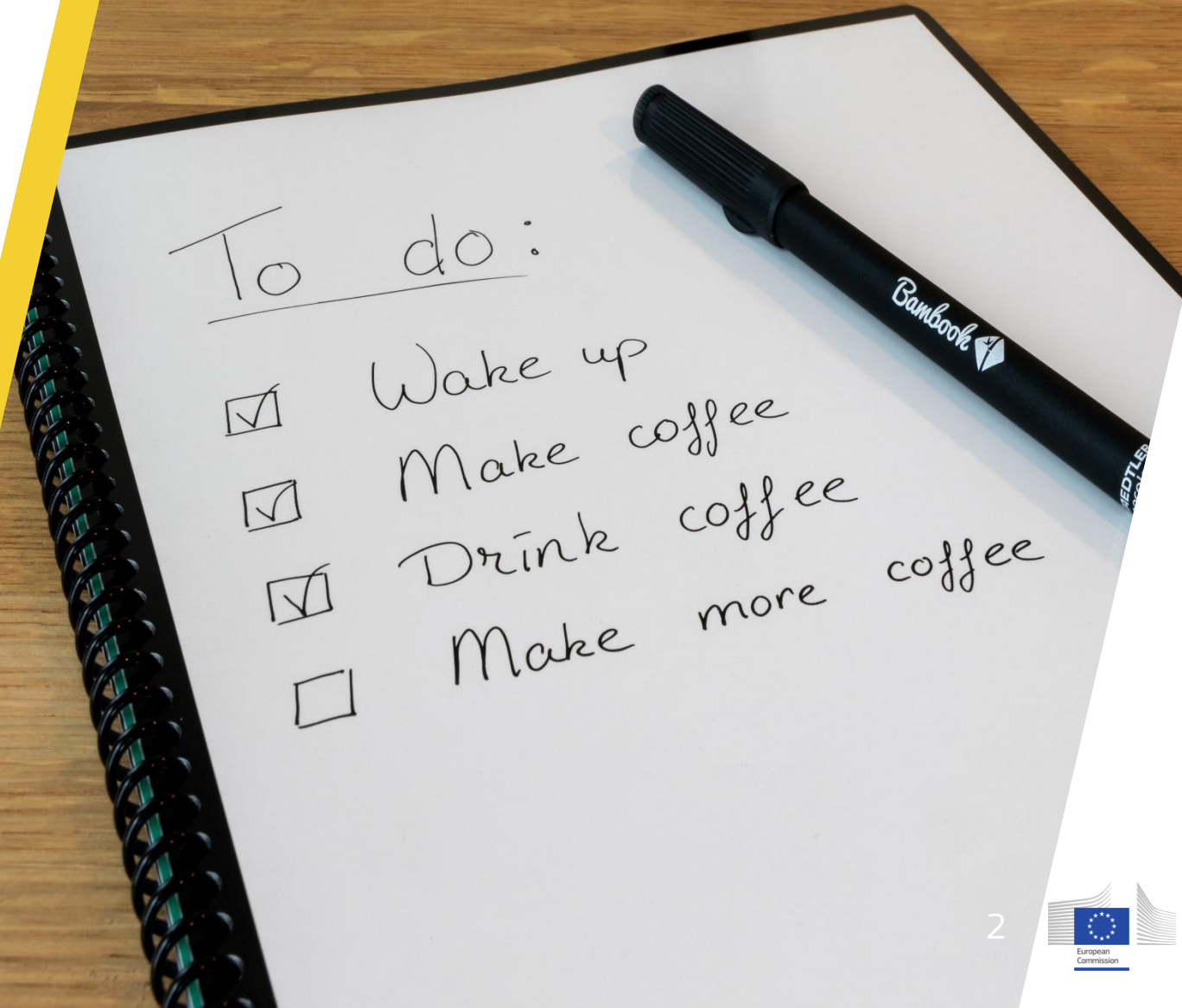
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# 01

## eDelivery News

eDelivery monitoring and data spaces



# eDelivery Monitoring Dashboard

What to expect from the update to the Dashboard



## Engagement

We report on events, attendees and newsletter subscribers.



## Map of Access Points by Ecosystem

The map will show access points that belong to eDelivery digital ecosystems per country.



## Reuse of eDelivery

We report on

- **Access Points**
- Exchanges messages in the last 4 quarters
- **Interconnected public organisations**
- **Interconnected private organisations**
- Support requests
- Digital ecosystems reusing eDelivery

2.31bn  
exchanged messages in last 4 quarters

(▲ 577 million more messages since last quarter)

[LEARN MORE](#)



1,334  
interconnected private organizations

(▲ 398 more private organizations since last quarter)

[LEARN MORE](#)

32  
digital ecosystems reusing eDelivery

(= 0 more digital ecosystems since last quarter)

[LEARN MORE](#)

\*Sandbox data from Q2 2023

# Data Spaces Support Centre



- The DSSC published version 0.5 of the Data Spaces Blueprint
- The use of eDelivery would fall under the ‘Data Exchange Building Block’
- By design, eDelivery only provides a subset of the required features, but could be used in conjunction with other standards
- The DSSC building block also includes (out of scope of eDelivery):
  - Payload definition
  - Defined methods to methods to query, update and delete data



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02

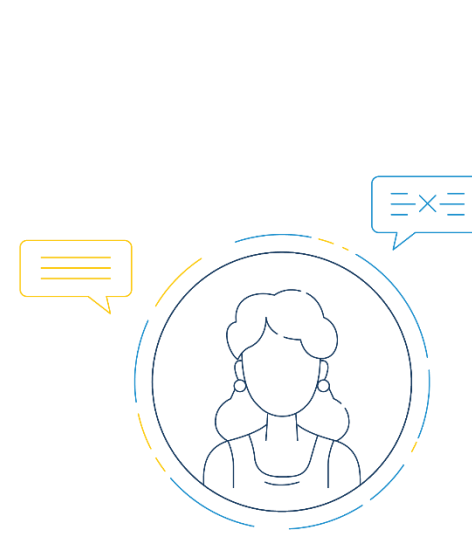
# eDelivery Adoption

eDelivery in new digital ecosystems



# eDelivery Digital Ecosystems

***“eDelivery Digital Ecosystems*** include a wider range of projects and programmes, public and/or private organisations that use eDelivery for a joint purpose.”



# eDelivery onboarding-race



## SET UP

COMMITMENT GATE

PHASE	PROSPECTING	ELICIT requirements	DESIGN eDelivery infrastructure	SELECT eDelivery solutions	DEPLOY eDelivery solutions	OPERATE eDelivery solutions	
EC Policy Projects	EU Student eCard <b>DG CNECT</b>	eTransport Docs <b>DG MOVE</b>	CESOP <b>DG TAXUD</b>	eHealth Data Space Pilot <b>DG SANTE</b>	eHealth (SMP) <b>DG SANTE</b>	ODR <b>DG JUST</b>	e-Justice   e-CODEX <b>DG JUST / ENISA</b>
	Customs Single Window <b>DG TAXUD</b>	FLUX TL <b>DG MARE</b>	DTLF/eFTI Regulation <b>DG MOVE</b>		OOTS <b>DG GROW</b>	eProcurement (*) <b>GROW   DIGIT</b>	ELRC <b>DGT</b>
	Digital Criminal Justice <b>DG JUST</b>	NIVA project <b>REA/AGRI/CNECT</b>			EMSWe <b>DG MOVE</b>	BRIS <b>DG JUST</b>	eInvoicing <b>DG GROW</b>
	Carbon Border Adjustment Mechanism (CBAM) <b>DG TAXUD</b>				TACHOnet <b>DG MOVE</b>	EPREL <b>DG ENER</b>	EU-CEG <b>DG SANTE</b>
	CISE <b>DG MARE</b>				Union Database Biofuels <b>DG GROW</b>	PNR (regulated) <b>DG HOME</b>	European Crew Database <b>DG MOVE</b>
	Exchange of road-safety-related traffic offences <b>DG MOVE</b>					eEvidence DES <b>DG JUST</b>	IRI <b>DG JUST</b>
	ODOCAR <b>DG MOVE</b>					eTranslation <b>DGT</b>	ICS2 / TAPAS <b>DG TAXUD</b>
					BORIS <b>DG JUST</b>	DECIDE Decision <b>SG</b>	
					EUDAMED 3 <b>DG GROW</b>		
Member State led projects (including CEF grants)			Utdataprojektet <b>DIGG</b>	EDI4STEEL <b>TNO (NL)</b>	Secure Digital Communication <b>DIGG</b>	Slovenian Supreme Court – Registered delivery <b>SI</b>	Peppol (eInvoicing) <b>Multiple MS</b>
			X-Road <b>NIIS</b>			Croatian Post – Electronic Delivery of Post Documents <b>HR</b>	Portugal's Logistics Single Window (e-Impact, EUPLe) <b>PT</b>
			Dutch Energy Market <b>NEDU</b>			Digital eDelivery of registered mail in Cyprus <b>CY</b>	iADAATPA <b>Multiple MS</b>
			Global Interoperability Framework <b>EESPA</b>			Digital Post in Denmark (e-Boks) <b>DK</b>	
Other institutions	EASA	SafeSeaNet <b>EMSA</b>	OSS system <b>European Agency for Railways</b>	Transparency register <b>Sec Gen + Parliament</b>		eDocX2017 <b>DG HOME (EMCDDA)</b>	ENTSOG <b>Gas operators</b>
	OLAF	RegCom <b>Sec Gen + Parliament</b>	European Public Prosecutor's Office			PCN system <b>European Chemicals Agency</b>	CIXP <b>The European Council</b>
	Eurojust						
	EMA						
	European Citizens' Initiative						
PrepDSpace4Mobility							

(\*) Also part of PEPPOL

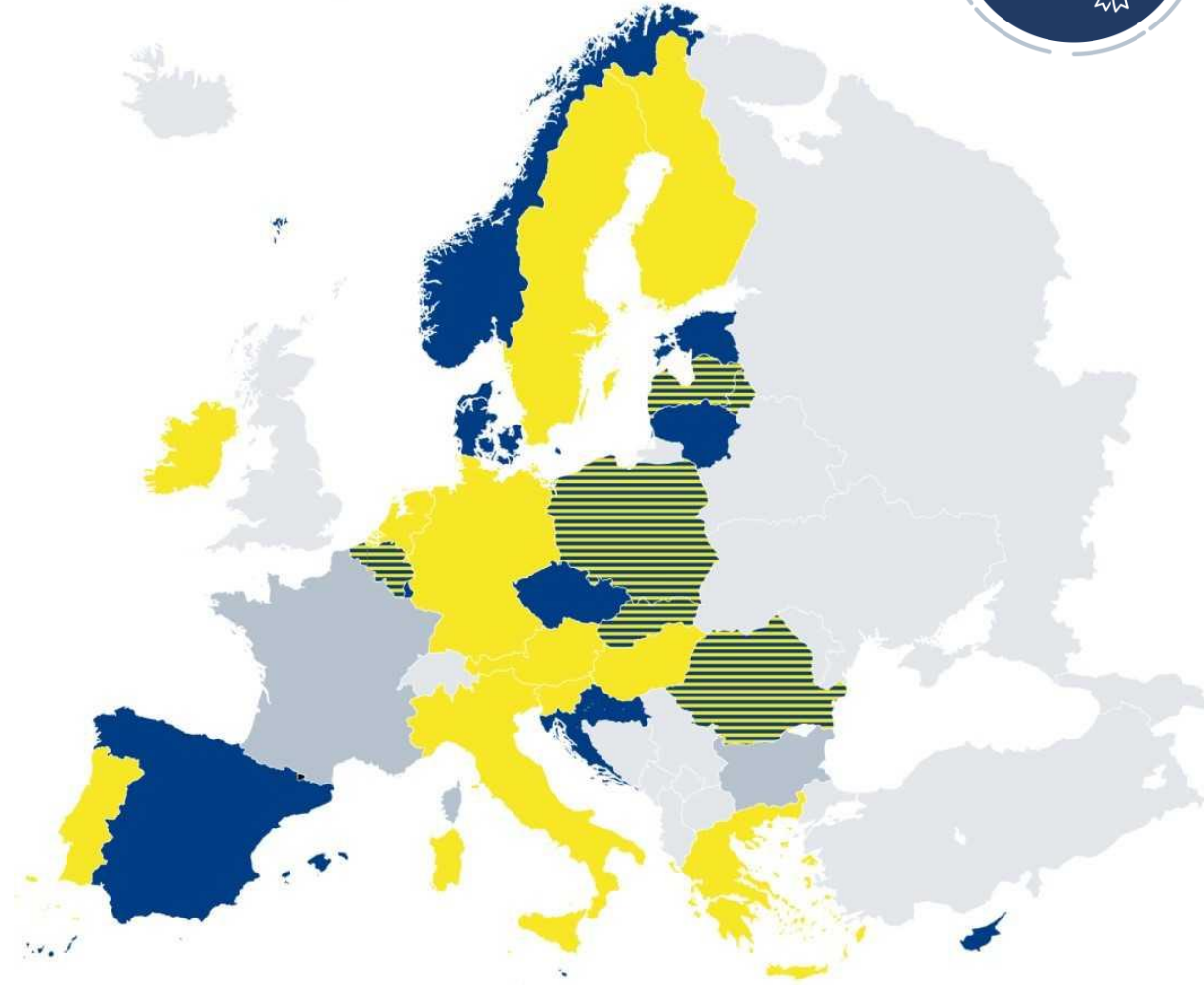
Pilot/PoC projects



# eDelivery support for OOTS Projectathon



- At the October Projectathon 23 Member States have tested the Once-Only Technical System
- The information exchange works as expected
- Ongoing study to explore advantages of different network configurations, including dynamic discovery
- Use of non-Domibus solutions:
  - Finland used Harmony
  - Belgium used Domibus, but will move to Tradeshift for eDelivery as a service



■ Participants ■ Observers ■ No ■ Switched from observer to participant

# Union Database for Biofuels (UDB)



- Art. 28(2) Directive (EU) 2018/2001:
  - “The Commission shall ensure that a **Union database** is put in place to enable the tracing of liquid and gaseous transport fuels [...]”
  - “Member States shall require the relevant **economic operators** to **enter into that database information** on the transactions made and the sustainability characteristics of those fuels, including their life-cycle greenhouse gas emissions, starting from their point of production to the fuel supplier that places the fuel on the market.”
  - “A Member State may set up a **national database** that is **linked to the Union database** ensuring that information entered is instantly transferred between the databases.” → *planned use of eDelivery*

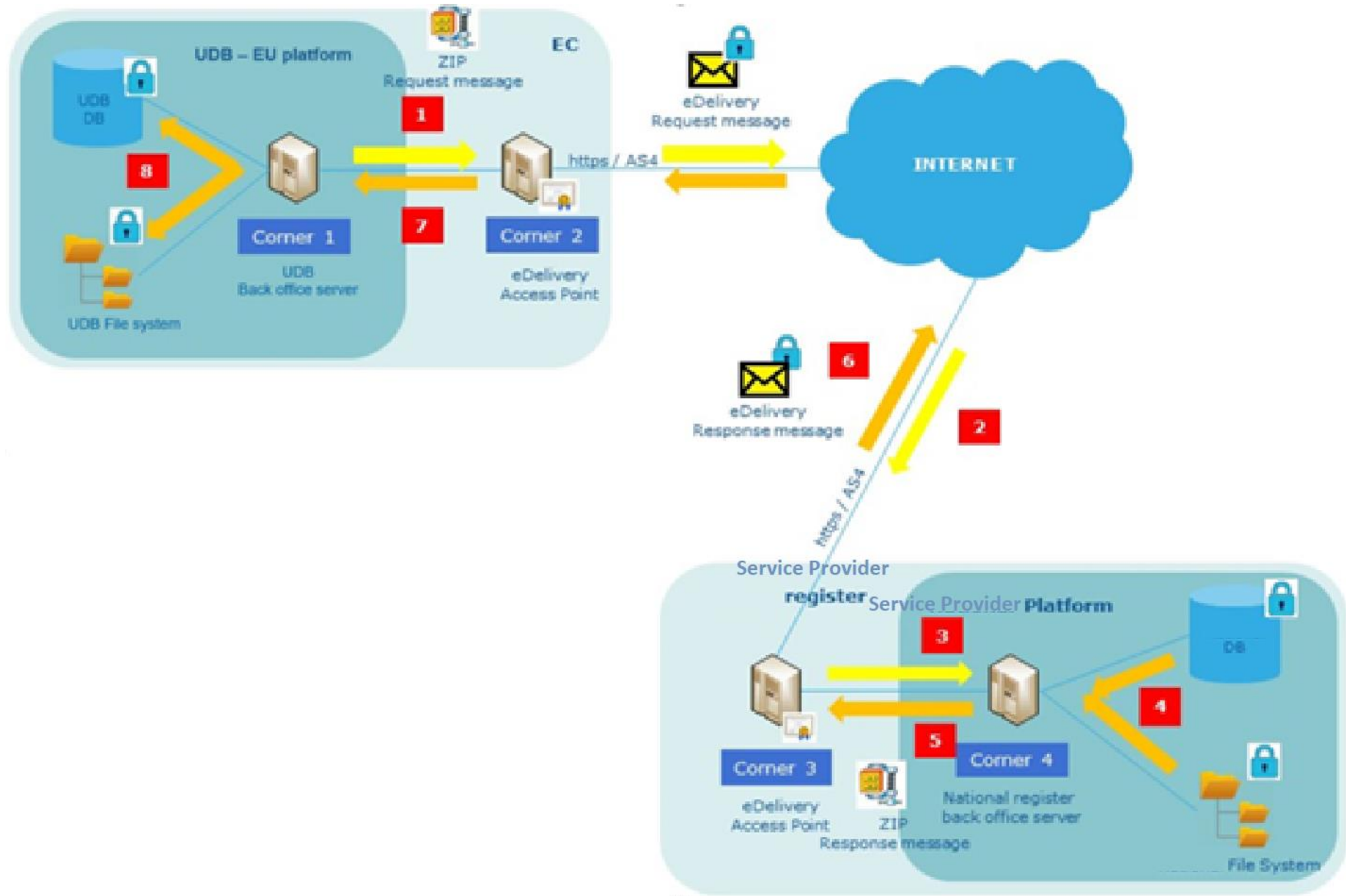
# Union Database for Biofuels (UDB)



- The Union Database for Biofuels (UDB) is a register for all certified biofuels, bioliquids, and biogas that count towards EU targets for renewable energy.
- The UDB aims to ensure the tracing of liquid and gaseous transport fuels <...> in the transport sector in any Member State.
- The registration under the UDB should be compulsory for all Economic Operators (EOs) from 1 January 2024.



# Union Database for Biofuels (UDB)



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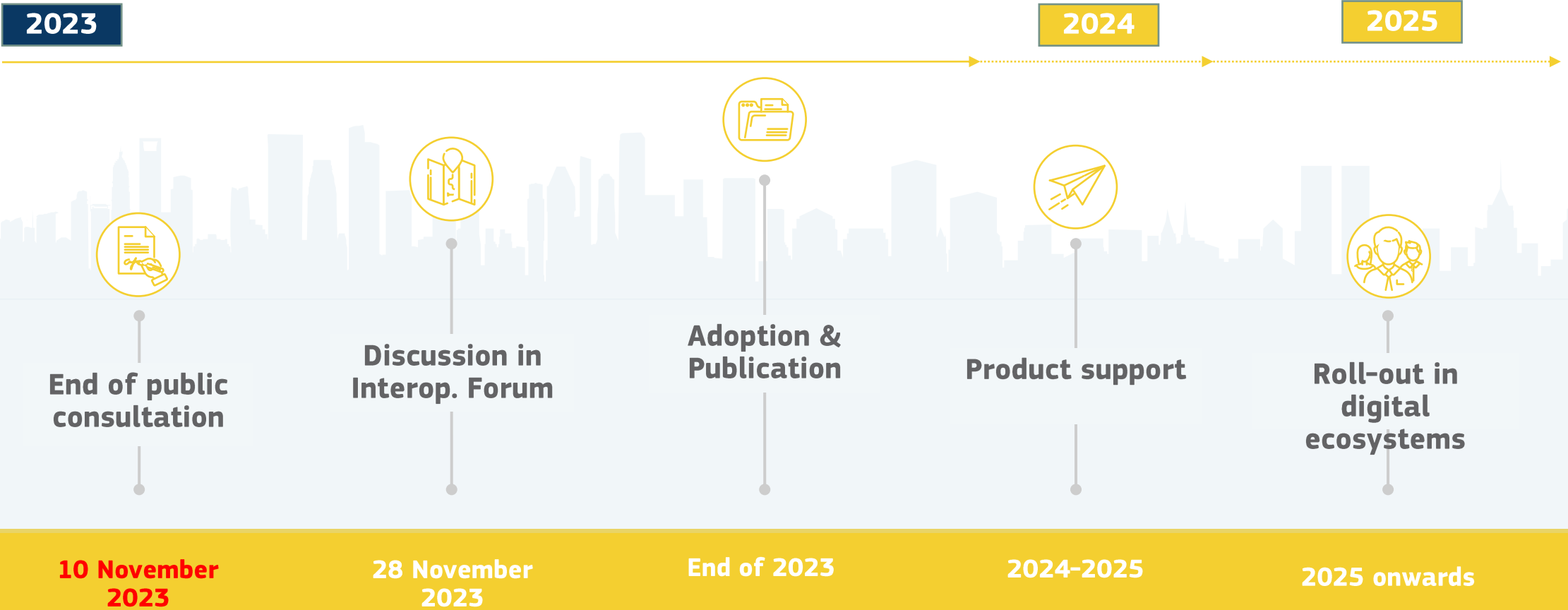
# 03

## Profile updates

Changes to eDelivery AS4 and SMP profiles



# Update roadmap



New draft profiles finalised.  
Public consultation opened at the end of June (eDelivery [AS4 2.0](#) | [SMP 2.0](#)).

# Approach to cryptography



- Discussed at:
  - Interoperability Forum on 27 June 2023
  - ENTSOG Workshop on Data Exchange and Cybersecurity
- EdDSA vs ECDSA:
  - it is still uncertain Certification Authorities will offer EdDSA certificates
- Key transport vs key agreement:
  - the complexity of key exchange was questioned
  - security expert was again consulted
  - a more detailed analysis will be published
- Addressing of incorrect referencing of HKDF in RFC9231 underway

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# 04

## Product Updates

Domibus, DomiSMP & DomiSML







# Product updates: Domibus maintenance

- **Domibus 5.0.x & 5.1.x patches**

- Significant performance bugs resolved (for high-performance systems)
- Significant non-performance bugs resolved
- Many SQL upgrade issues were addressed

- **Support arrangements extended**

- Versions 5.0 & 5.1 will be supported for a longer period since Domibus 5.2 will move to Java 8 to Java 11 and Java 8 may no longer be usable
- The longer support period will ensure users (esp. of WebLogic) who cannot upgrade to Java 11 yet still have LTS and non-LTS supported versions they can continue using

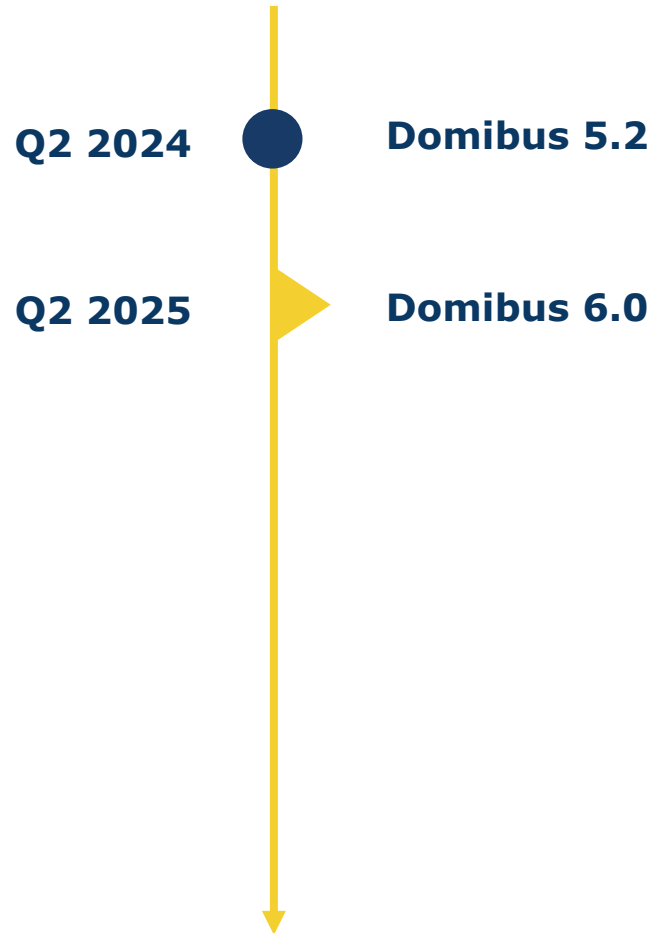


# Cryptography contributions

- **Apache Santuario, Apache WSS4J, Apache CXF:**
  - Libraries that provide a Java implementation of the security standards for web services
  - Used by Domibus and other Java-based eDelivery Access Point implementations
- **Significant contributions to Apache libraries:**
  - Contributions for Apache Santuario & Apache WSS4J already submitted to the libraries' maintainers to support the algorithms introduced by the new profile
  - Will enable both Domibus (as of version 6.0) and all other Java-based eDelivery Access Point implementations to be able to implement support for the algorithms introduced by the new profile



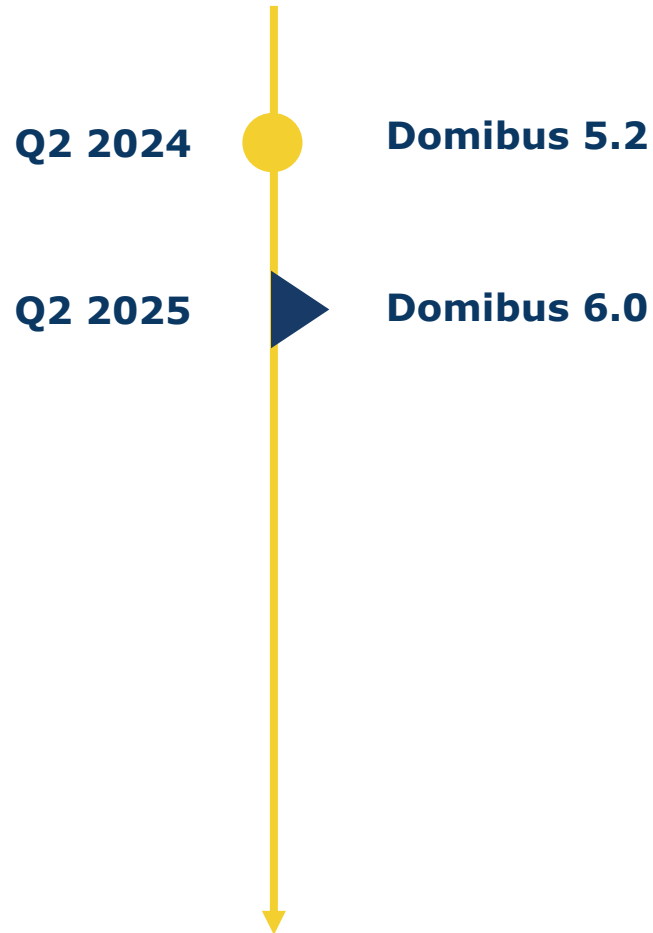
# Product updates: Domibus 5.2



- **Upgrade to Java 11**
- **Performance enhancement for pull mechanism**
- **Runtime support for H2**
- **Predefined security profiles now support new cryptography algorithms**
- **Plugin enable/disable option via global property**



# Product updates: Domibus 6.0



- **Support for eDelivery AS4 profile 2.0**
- **Transition to Springboot application**
- **Upgraded crypto algorithms**
- **CPPA scope expansion**
- **New message priority handling at the party level**
- **Extended support for Split & Join**



# Product updates: DomiSMP 5.0



- **Multi-document type support (SMP 1.0, SMP 2.0, CPPA 3.0/CPP)**
- **Support for ECDSA & EDDSA XML signatures**
- **Support for SpringBoot (simplified testing)**
- **New UI look and feel**
- **Multiple security tokens**
- **Flexible role management for privacy control**
- **Versioning support**
- **Expanded platform support (WebLogic 14c, Tomcat 9, MySQL 8)**



# Product updates: DomiSMP 5.1



- **Support missing features for OOTS / eFTI Exchange Environment**
- **Allow referencing of one document (e.g. the metadata of a service provider) by multiple participants (e.g. who are using that service provider)**
- **Migration to new Documentation framework**



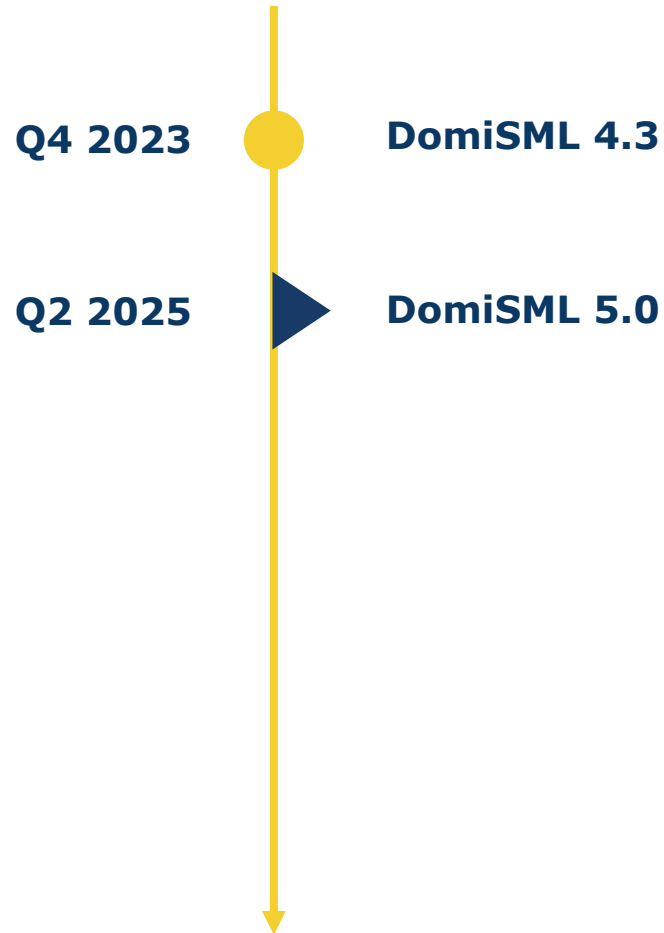
# Product updates: DomiSML 4.3



- **Support for OCSP certificate validation**
- **Support for XML signature algorithms, particularly ECDSA & EdDSA**
- **Support for multiple new signature key types**
- **Flexible keystore and truststore choices**
- **Enabled case sensitivity, with the option to make schema mandatory**
- **Added a tool deactivate/reactivate and remove unused SMPs**
- **Added a tool to update logical/physical addresses of SMPs**



# Product updates: DomiSML 5.0

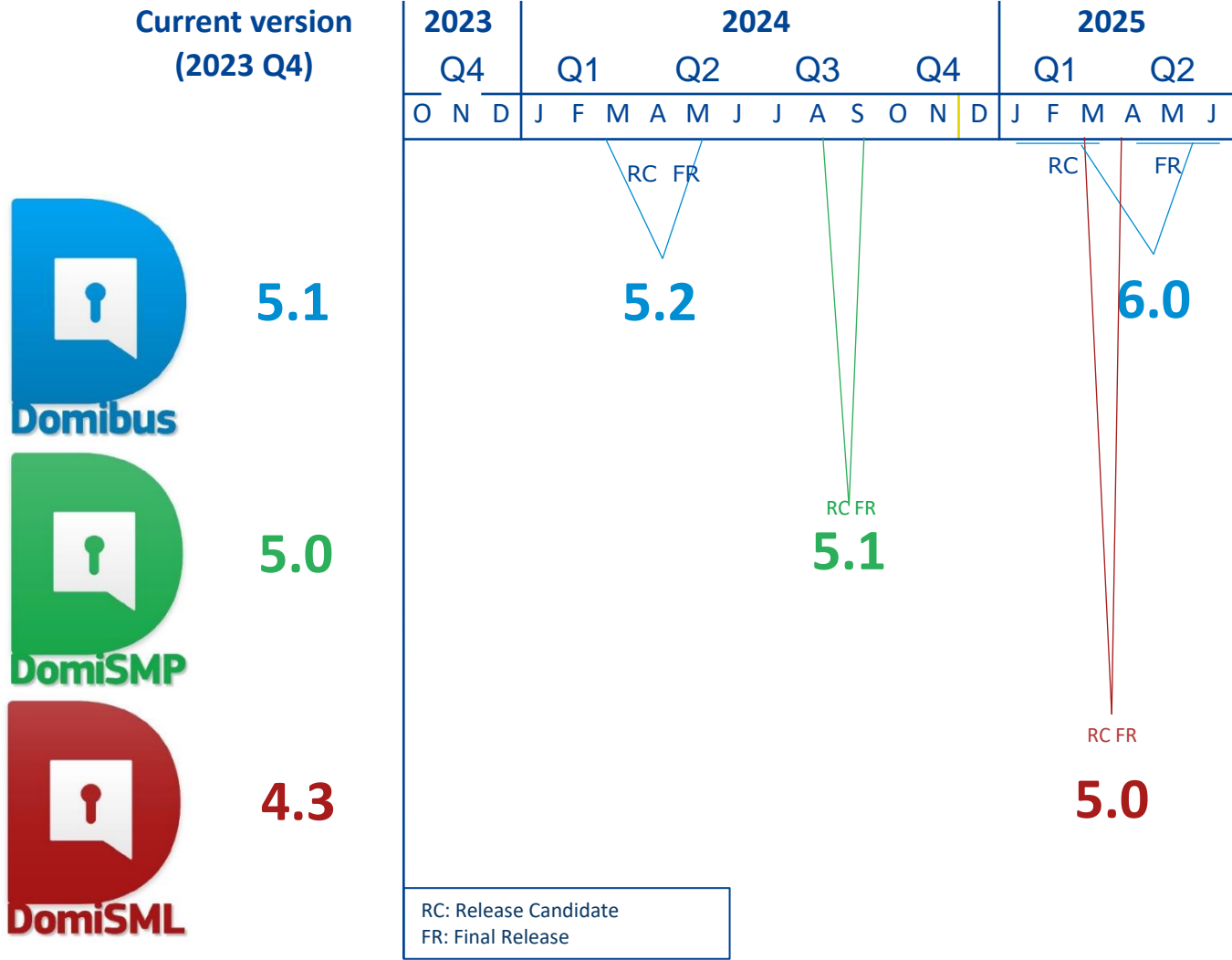


- **Support missing features for OOTS / eFTI Exchange Environment**
- **Implement BDXL 1.1**
- **CPPA-specific API services**
- **Jakarta EE 10+ (Tomcat 10+)**
- **Java JDK 17 (drop support of older versions)**
- **Migration to new Documentation framework**





# Product Release Roadmap



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05

## eDelivery Services

Support and communication  
services





[Archive of past events](#)



# 2023 Calendar



[Survey to collect interest in future webinar topics](#)

# eDelivery



[eDelivery Interoperability Forum](#)  
**28 November**

27



[Dynamic Discovery Webinar](#)



[eDelivery Value Proposition Webinar](#)





# Next eDelivery Interoperability Forum



- The Forum is a platform for the eDelivery BB and for solution and services providers to **explore together the technical evolution, market opportunities and market needs around eDelivery**
- Aims to promote knowledge sharing, provide feedback on challenges, needs and preferences, and facilitate the discussion for the way forward
- Previous editions (check [here](#) & here)

Don't miss the **next meeting on 28<sup>th</sup> November!** Apply to be a point of contact for the Forum [here](#)

# Would like to learn more about eDelivery?

Stay in touch!



## eDelivery User Community

The eDelivery User Community space enables stakeholders to share experiences and best practices on the exchange of electronic data and documents between public administrations, businesses and citizens. Pan-European projects (re)using eDelivery have their own sub-communities within this space.

Register for personalised eDelivery news

[here](https://europa.eu/!8rtpfj)  <https://europa.eu/!8rtpfj>

## More about eDelivery

 @edeliveryBB

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

PeerTube

 [eDelivery events \(DEP\) - YouTube](#)



Newsletter



Events



Interoperability Forum



Webinars

# Publications

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

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

Building Blocks (2x/year)

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



**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.



**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

# eDelivery Conformance Testing (1)

- New platform launched based on ITB (for AS4, still to be implemented for SMP)
- Restructured user guide and service
- Collaboration with ITB platform to implement new features for eDelivery



Image reference: [Euro NCAP Newsroom : Lexus Puts Safety Up-Front in All-New Electric RZ \(newsmarket.com\)](https://www.newsmarket.com/news/euro-ncap-lexus-puts-safety-up-front-in-all-new-electric-rz)

# eDelivery Conformance Testing (2)

Underway:

- New presentation of the conformant solutions
- Strengthening testing coverage of the eDelivery Common Profile
- Support for all optional profile enhancements of the eDelivery AS4 profile, allowing software vendors and service providers to test their eDelivery conformance more fully



Image reference: [Euro NCAP Newsroom : Lexus Puts Safety Up-Front in All-New Electric RZ \(newsmarket.com\)](https://www.newsmarket.com/news/euro-ncap-puts-safety-up-front-in-all-new-electric-rz)



# Have a question?



## eDelivery

Exchange data and documents  
online reliably and securely



**Bogdan Dumitriu**



To continue the conversation,  
contact our team via email

Emails:

[EC-digital-building-blocks@ec.europa.eu](mailto:EC-digital-building-blocks@ec.europa.eu)



[EC-eDelivery-support@ec.europa.eu](mailto:EC-eDelivery-support@ec.europa.eu)



# Thank you

& stay in touch

