European Open Science Cloud (EOSC)

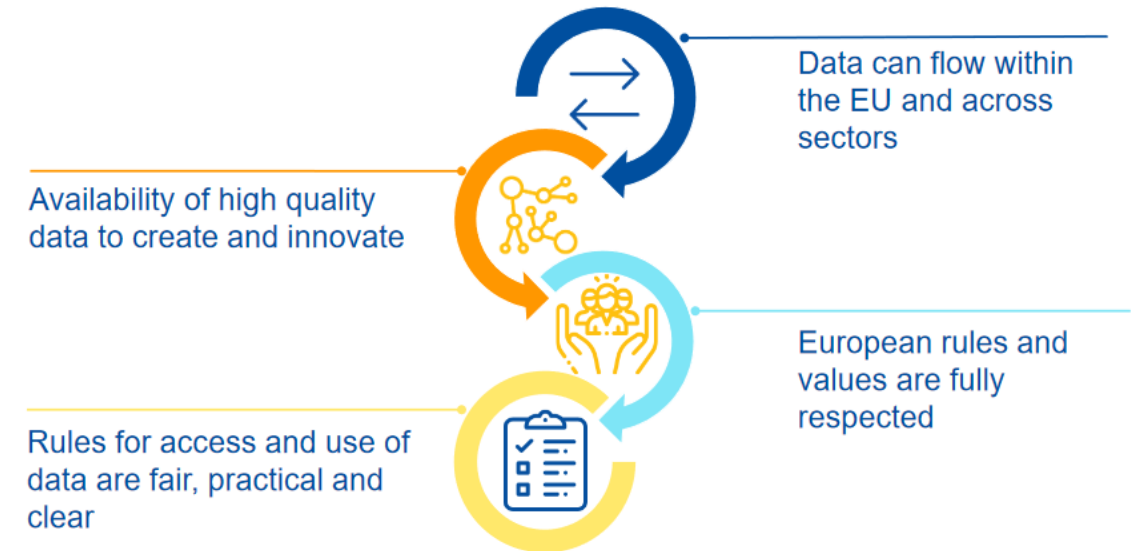## EOSC platform and upcoming related HE calls

Stephan Siemen

Policy Officer

DG CNECT C.1

EOSC in the European Data Strategy

"***EOSC*** *is the basis for a science, research and innovation data space that will bring together data resulting from research and deployment programmes and will be connected and fully articulated with the sectoral data spaces.*"
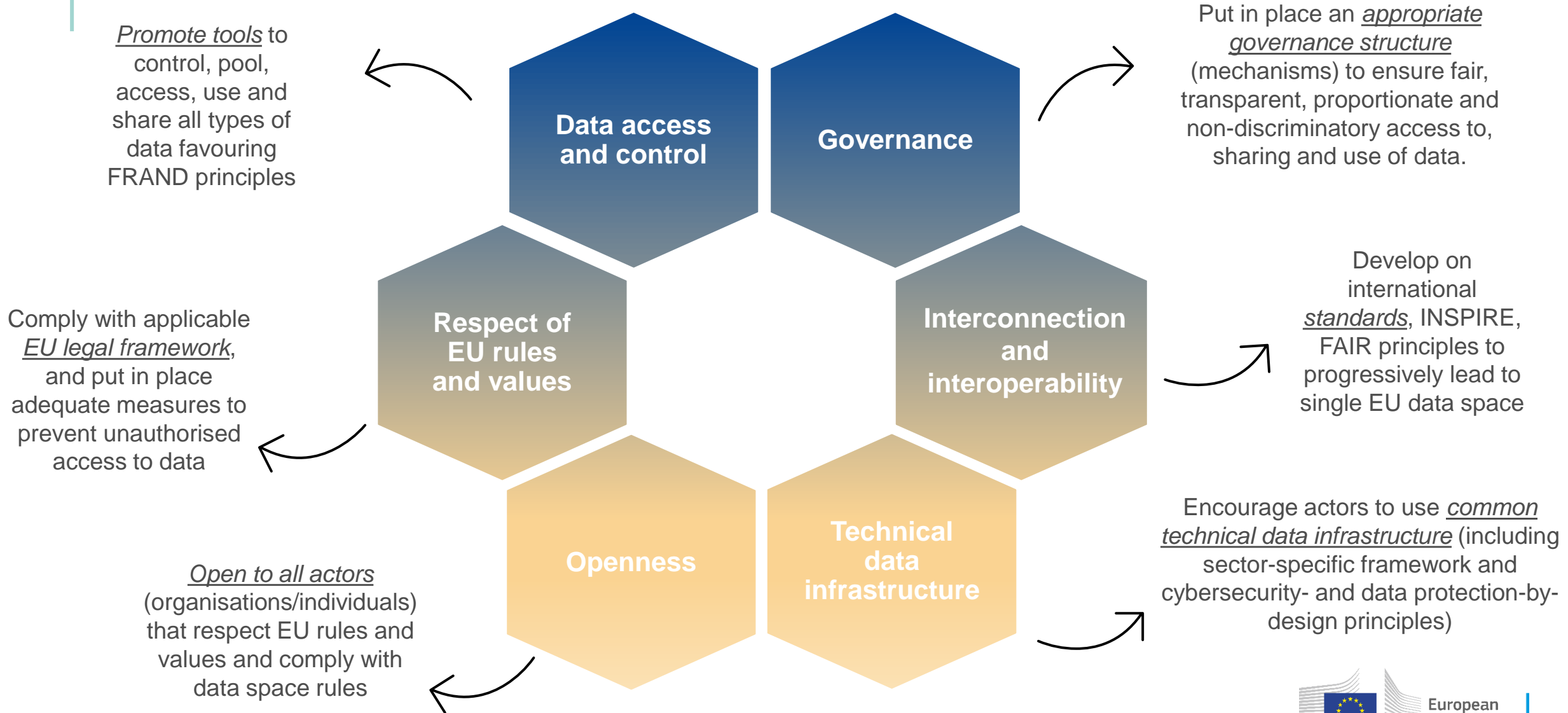(European Data Strategy, COM(2020) 66 final)

A common European data space, a single market for data

Data can flow within the EU and across sectors

Availability of high quality data to create and innovate

European rules and values are fully respected

Rules for access and use of data are fair, practical and clear

As part of the data strategy, EOSC will provide a data space for science, research and innovation.
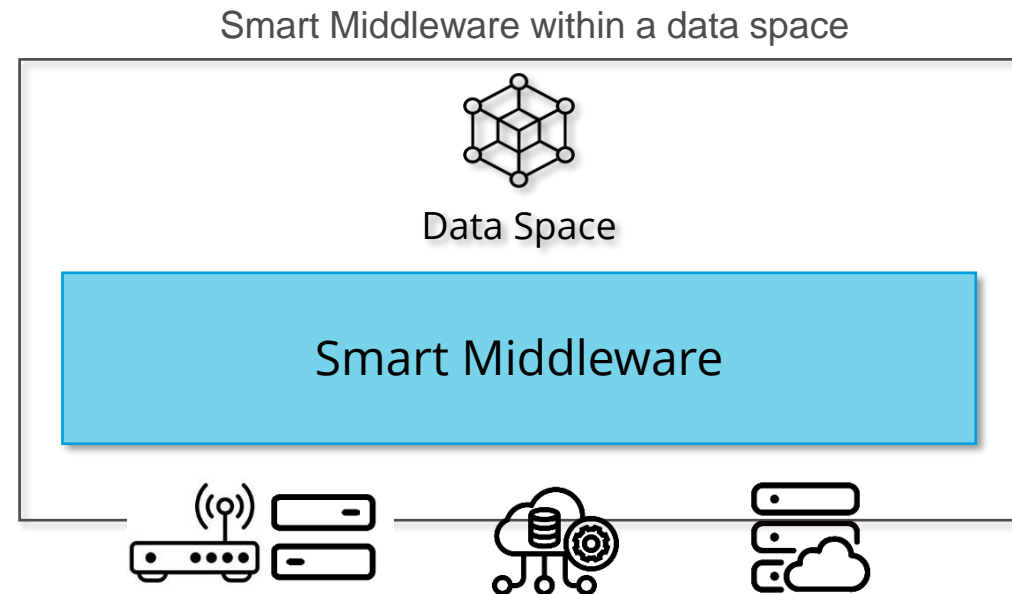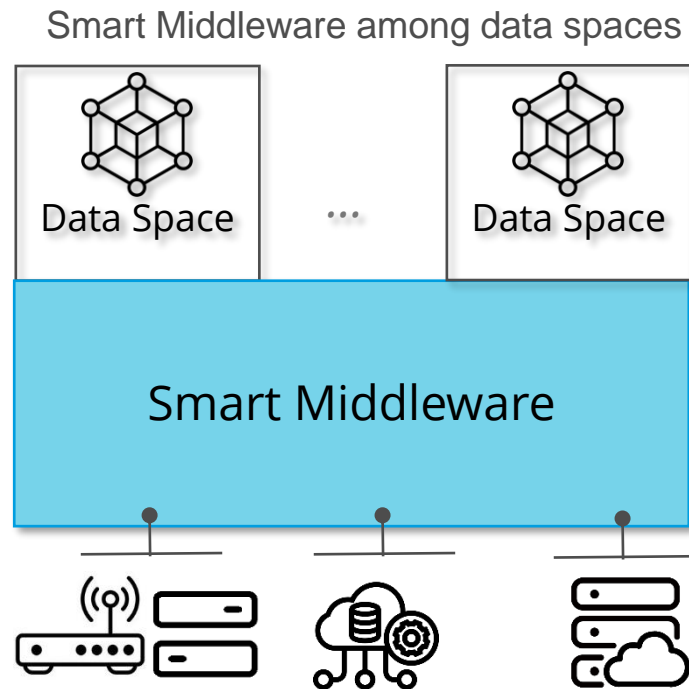
This will support research and deployment projects and link with sectorial data spaces.

European Commission

Design principles for common European data spaces

Promote tools to control, pool, access, use and share all types of data favouring FRAND principles

Put in place an *appropriate governance structure* (mechanisms) to ensure fair, transparent, proportionate and non-discriminatory access to, sharing and use of data.

Data access and control

Governance

Comply with applicable *EU legal framework*, and put in place adequate measures to prevent unauthorised access to data

Respect of EU rules and values

Interconnection and interoperability

Develop on international *standards*, INSPIRE, FAIR principles to progressively lead to single EU data space

Open to all actors (organisations/individuals) that respect EU rules and values and comply with data space rules

Openness

Technical data infrastructure

Encourage actors to use *common technical data infrastructure* (including sector-specific framework and cybersecurity- and data protection-by-design principles)

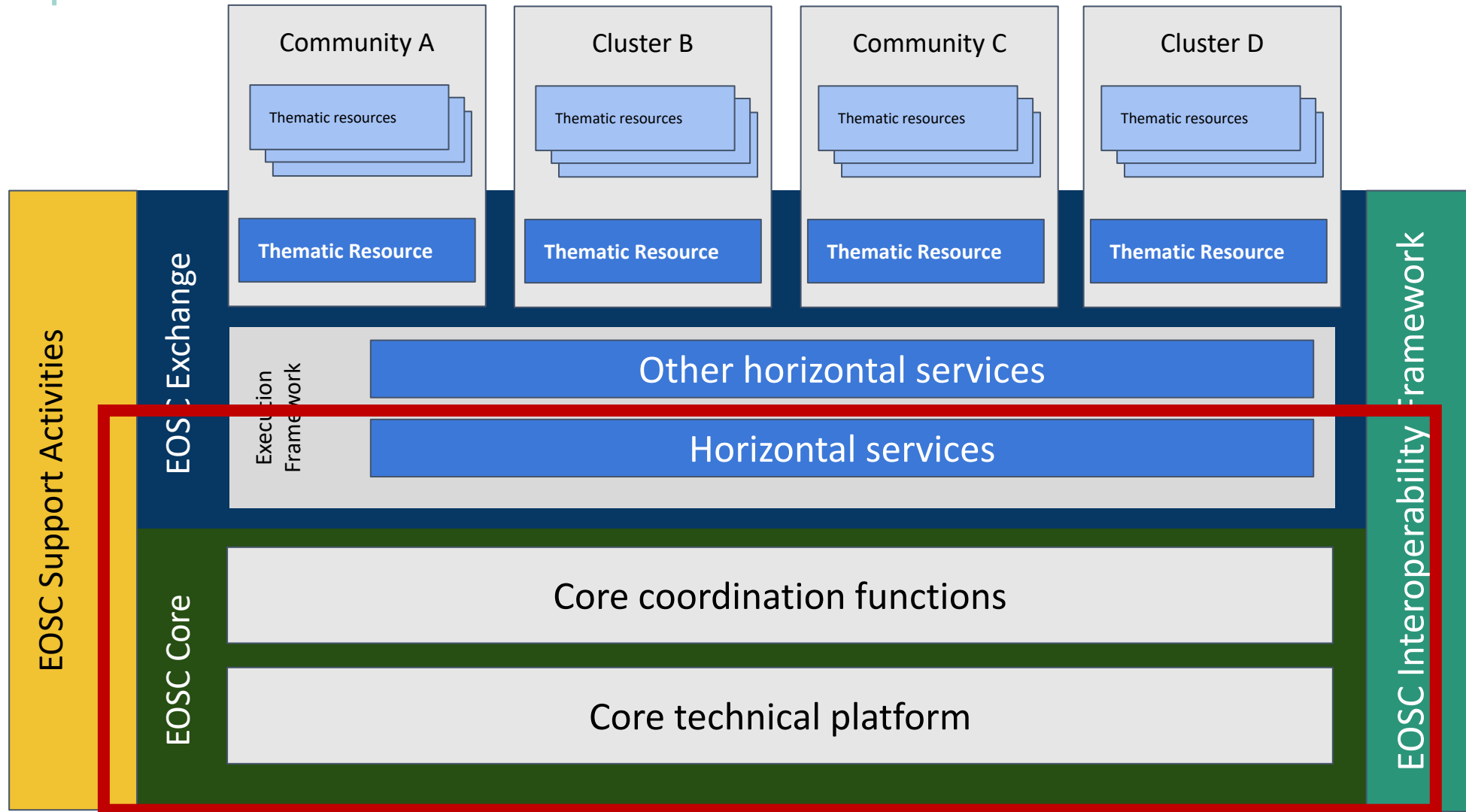European Commission

Smart Middleware to support Data Spaces

Smart Middleware (SIMPL) will be a **software stack** that provides **common services and capabilities** to **Data Spaces** on top of what is offered by the operating systems of **Edge and Cloud computing infrastructures**

Smart Middleware among data spaces

Smart Middleware within a data space

https://digital-strategy.ec.europa.eu/en/news/simpl-cloud-edge-federations-and-data-spaces-made-simple

Data Spaces Support Centre was launched in November 2022 to support these activities.
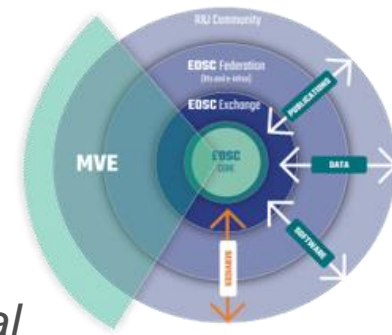
Scope of the EOSC Procurement Action

Community A
- Thematic resources
- **Thematic Resource**

Cluster B
- Thematic resources
- **Thematic Resource**

Community C
- Thematic resources
- **Thematic Resource**

Cluster D
- Thematic resources
- **Thematic Resource**

EOSC Support Activities

EOSC Exchange

Execution Framework

Other horizontal services

Horizontal services

EOSC Core

Core coordination functions

Core technical platform

EOSC Interoperability Framework

EOSC Future

Input from the EOSC Future project public deliverables
https://eoscfuture.eu/library/

Scope of the EOSC Procurement Action

European Commission

EOSC Procurement Action

Factsheet

- **Funding programme:** Horizon Europe RI Work Programme 2021-22

- **Form of funding:** Procurement

- **Type of action:** Public procurement

- **Indicative timetable:** Fourth quarter of 2022

- **Indicative budget:** EUR 35.00 million

- **Indicative contract duration:** 36 months

Scope
This action should build and deploy a fully operational enabling infrastructure for EOSC, providing access to a rich portfolio of FAIR data and professional quality FAIR services in all relevant domains from data handling to computing, processing, analysis and storing.

May 4th, 2022

Prior Information Notice published in TED (Official Journal of the EU)
https://ted.europa.eu/udl?uri=TED:NOTICE:234660-2022:TEXT:EN:HTML

May 31st and June 9th 2022

European Commission organized two consecutive webinars for the European Open Science Cloud procurement's preliminary market consultation
https://digital-strategy.ec.europa.eu/en/news/open-market-consultation-european-open-science-cloud-public-procurement-action

August 5th, 2022

The stakeholders and open market consultation exercise was finalised.