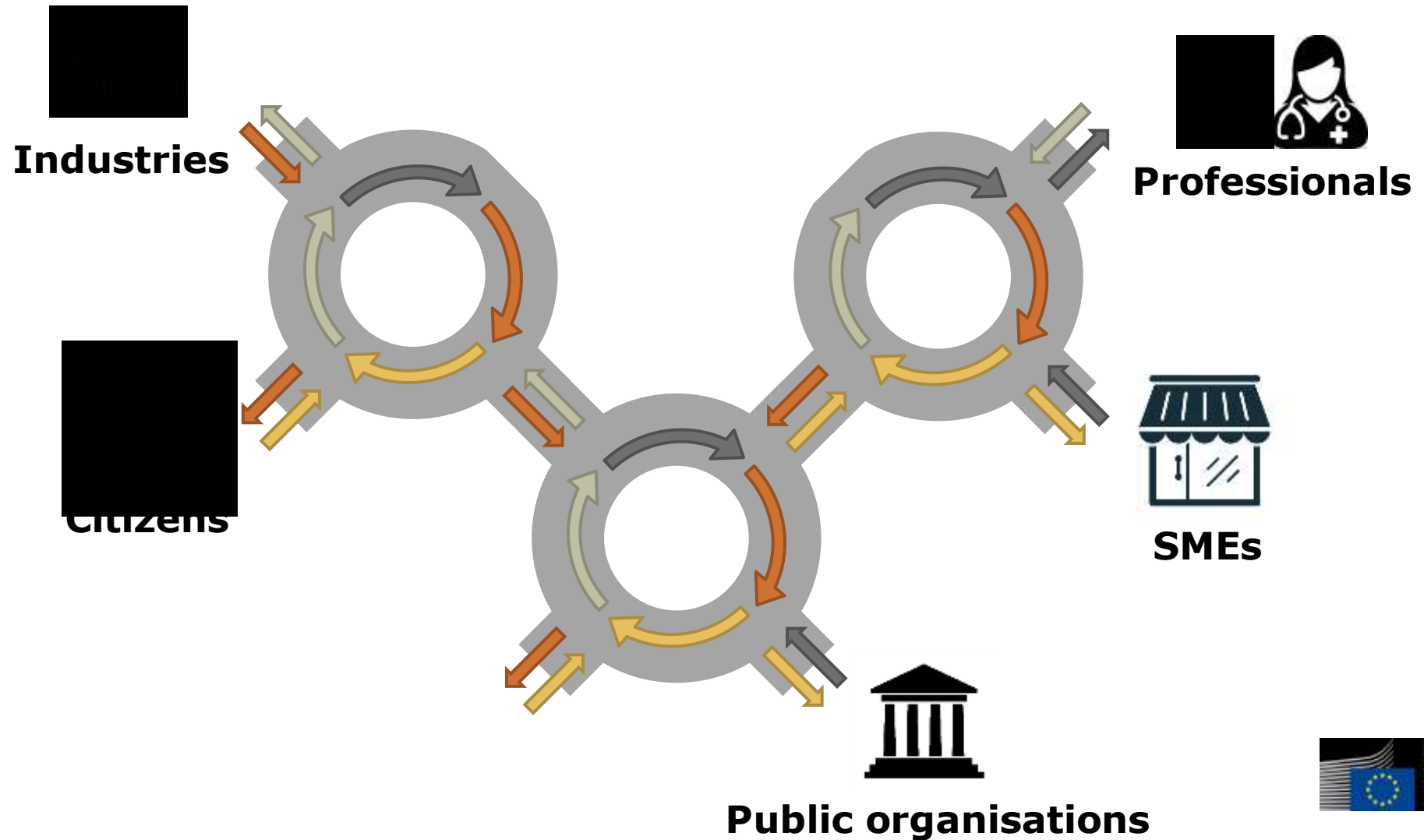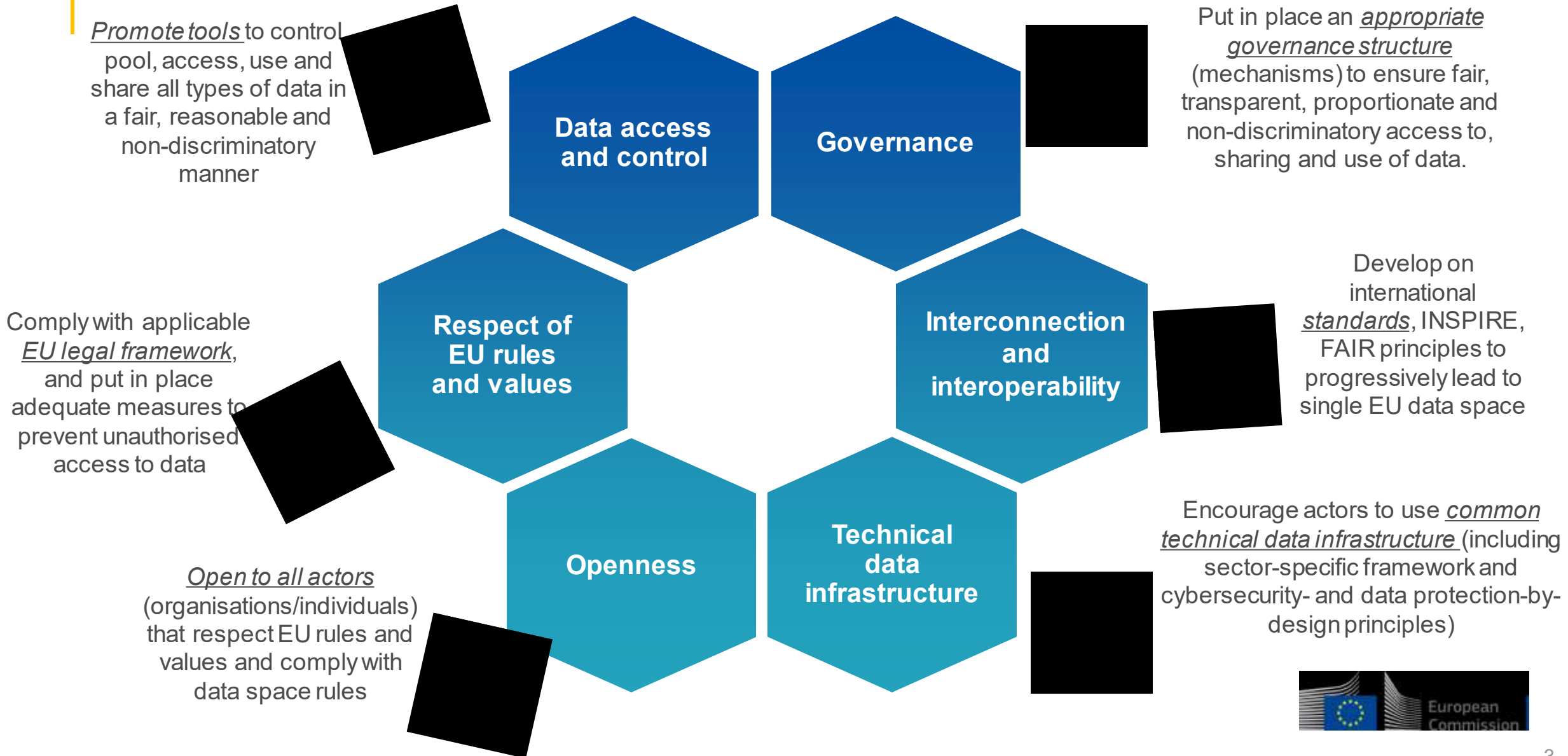# Data Spaces for Public Administrations

Federico Milani

Data Policy and Innovation Unit

Data Spaces

Design principles for common European data spaces

Promote tools to control pool, access, use and share all types of data in a fair, reasonable and non-discriminatory manner

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

Common European data spaces

| Health | Industrial & Manufacturing | Agriculture | Finance | Mobility | Green Deal | Energy | Public Administration | Skills |

High Value Datasets from public sector

- Driven by stakeholders
- Rich pool of data of varying degree of openness

- Sectoral data governance (contracts, licenses, access rights, usage rights)
- Technical tools for data pooling and sharing

Data Spaces Support Centre

- Coordinating the development of data spaces
- Assuring common standards and interoperability

Technical infrastructure for data spaces

| Edge & cloud Services | Smart Middleware solutions (Simpl) | Marketplace | High-Performance Computing | AI on demand platform | AI Testing and Experimentation Facilities |

The EC's role in supporting the creation of data spaces

Bring stakeholders together with a common EU data policy, promote use of data space guidelines

Increase <u>trust</u> in data sharing (neutral data intermediaries, i.e. the orchestrators of the data spaces

Support the Commission in:

- *Issuing guidelines* to facilitate the development of the common European data spaces

- Identifying the relevant standards and interoperability requirements for *cross data sharing*

Unlock the potential of the EU's *industrial data* (IoT data), ensure <u>fairness</u> in the allocation of data value among the actors of the data economy

research on new technologies for the development common European data spaces
(notably HORIZON EUROPE in collaboration with ADRA partnership)

Facilitate *interoperability* of data, data sharing mechanisms and services (incl. data spaces) between sectors

deploy common European data spaces in strategic sectors/domains (notably DIGITAL)

Help *developing data spaces* and *pooling existing data infrastructures* (cloud federation)

Work with stakeholders

Data Governance Act

European Data Innovation Board (EDIB)

Data Act

Funding

Offer a technical solution
smart middleware
Simpl

Data Spaces funded under the Digital Europe Programme

Green Deal

Smart communities

Agriculture

Mobility

Health - Genomics

Health Cancer Images

Skills

Manufacturing

Public Procurements

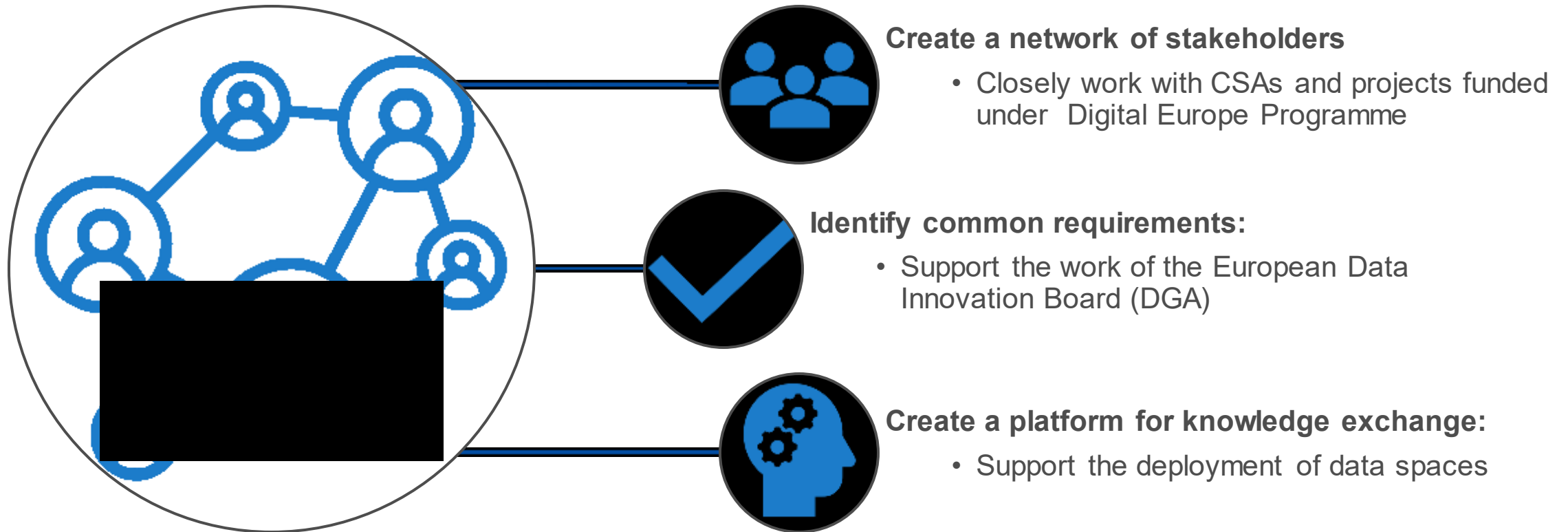Security data space for innovation

Financial

Tourism

Language

Cultural Heritage

Media

Data Spaces Support Centre

Create a network of stakeholders

- Closely work with CSAs and projects funded under Digital Europe Programme

Identify common requirements:

- Support the work of the European Data Innovation Board (DGA)

Create a platform for knowledge exchange:

- Support the deployment of data spaces

Kick off 13 October 2022

European Commission

Thank you