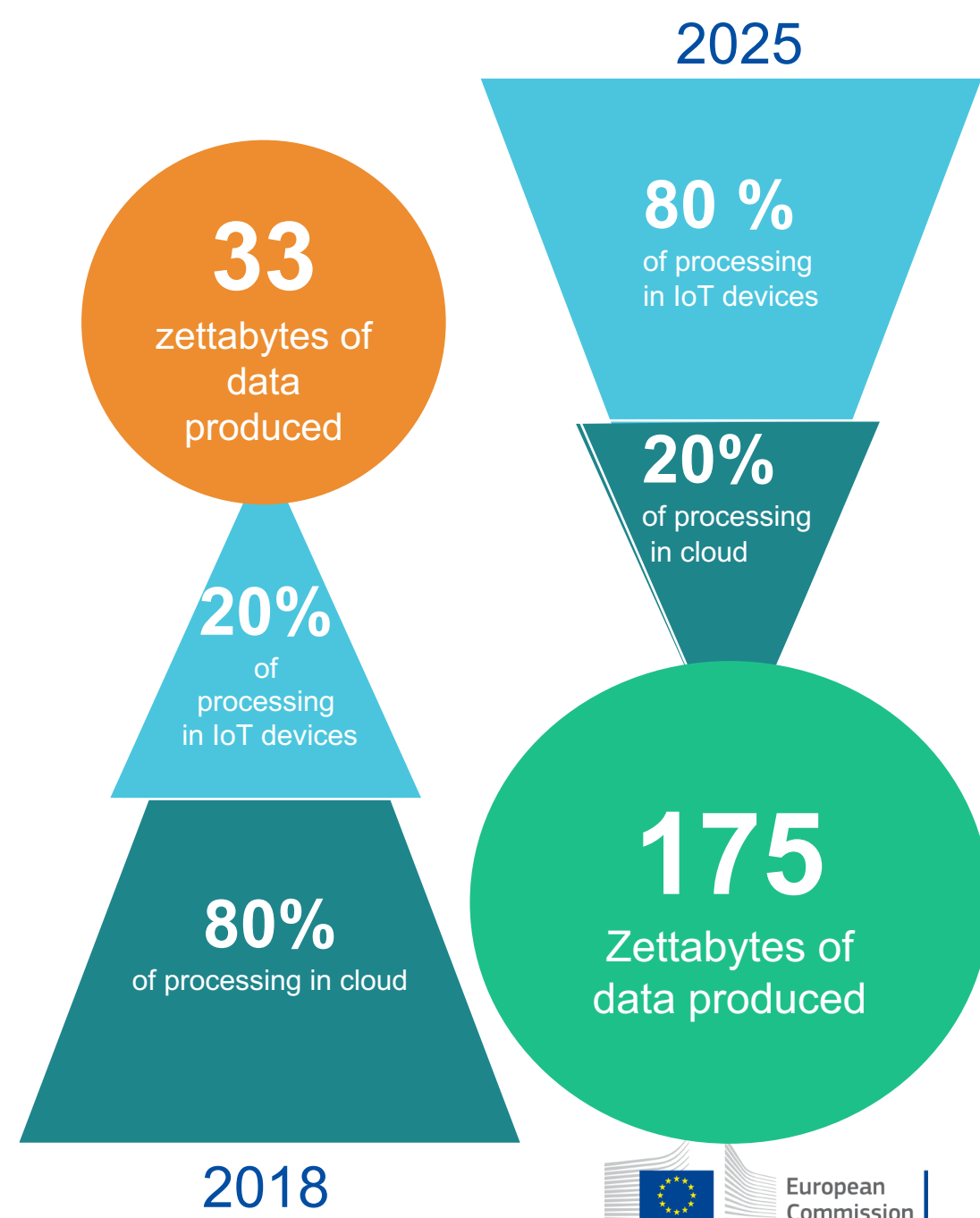# The European strategy for data

Digital enlightenment forum, panel discussion
23 February 2021

Yvo Volman
Acting Director G - Data
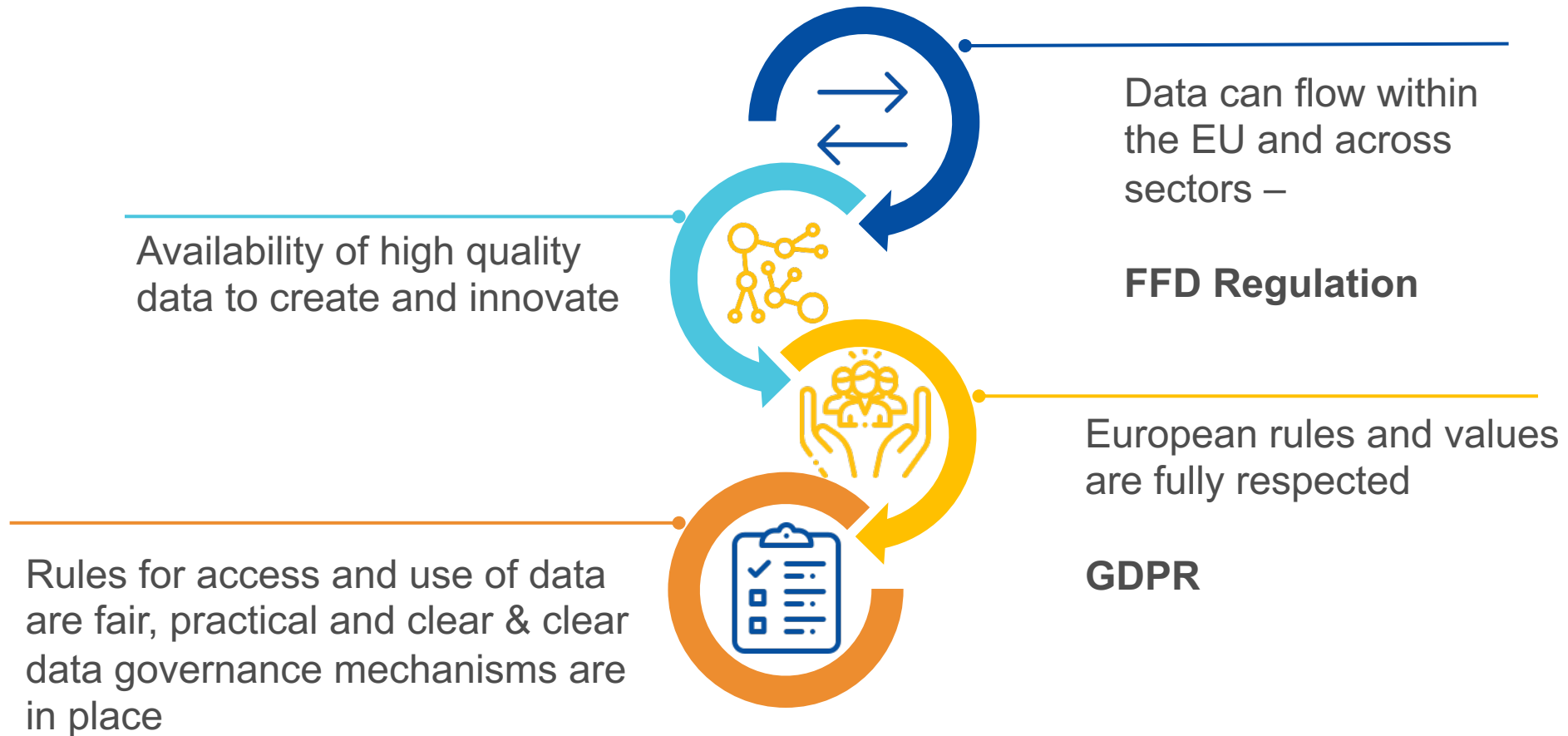*DG CNECT, European Commission*

Europe has everything to play for

- Data can transform all sectors of the economy and is crucial for AI

- Personal and non-personal data can be a source of innovation for new products and services

- Data can contribute to tackle societal challenges such as climate change, health, mobility, etc.

- Data can make our lives and work easier and better

33 zettabytes of data produced

20% of processing in IoT devices

80% of processing in cloud

2018

2025

80 % of processing in IoT devices

20% of processing in cloud

175 Zettabytes of data produced

European Commission

European Strategy for Data

A common European data space, a single market for data

Data can flow within the EU and across sectors –

FFD Regulation

Availability of high quality data to create and innovate

European rules and values are fully respected

GDPR

Rules for access and use of data are fair, practical and clear & clear data governance mechanisms are in place

Benefitting from the second wave of industrial data

European Commission

Deploying the strategy through 4 Pillars

A cross-sectoral governance framework for data access and use

including a legislative framework for the governance of European data spaces and other cross- sectoral measures for data access and use

Enablers

Investments in a High Impact Project on European data spaces and federated cloud infrastructures

Competences

Empowering individuals, investing in digital skills & data literacy and in dedicated capacity building for SMEs.

Rollout of common European data spaces

in crucial economic sectors and domains of public interest, looking at data governance and practical arrangements.

International Aspects

Common European data spaces

Rich pool of data (varying degree of accessibility)

Free flow of data across sectors and countries

Full respect of GDPR

Horizontal framework for data governance and data access

Health

Industrial & Manufacturing

Agriculture

Finance

Mobility

Green Deal

Energy

Public Administration

Skills

—Technical tools for data pooling and sharing
—Standards & interoperability (technical, semantic)

— Sectoral Data Governance (contracts, licenses, access rights, usage rights)
— IT capacity, including cloud storage, processing and services

Data infrastructures and governance go hand in hand

European Strategy for Data: 4 key instruments

Nov 2020
Data Governance Act

Ensure **TRUST** in data transactions

Public sector data, private sector data and personal data voluntarily made available by data holders

Dec 2020
Digital Market Act

Regulate **MARKET POWER** based on data

Personal data and private sector data held by online platforms and originating from the users (both businesses and individuals)

Q2 2021
Implementing Act under **Open Data Directive**

Unleash the socio-economic potential of data as a raw material for **INNOVATION**, in particular **SMEs**

Public sector data of high value

Q3 2021
Data Act

Ensure **FAIRNESS** in the allocation of data value among the actors of the data economy

Private sector data, personal data and co-generated (IoT) data