European Commission

Interoperability Academy

Winter School 2019

Public Sector Innovation

in

Digital Europe Programme

12 December 2019

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ISA²

ISA²
INTEROPERABILITY SOLUTIONS
FOR PUBLIC ADMINISTRATIONS,
BUSINESSES AND CITIZENS

Public Sector Innovation

ISA² Programme

and others

European Commission

Why Public Sector Innovation is important?

- Rapid evolution of technology
- Digital transformations affects all society
- Raised expectations from Citizens
- Exponential increase of data

Opportunities

- Increase efficiencies (time, money,...)
- New ways of interacting with citizens
- Modern ways of governance (e.g. pro-active public services)
- Technology and data sovereignty

BUT

- Ensuring Interoperability-by-default

Needs for Public Administrations

- research/experimentation/testing/piloting
- cooperation at local/regional/national/EU level
- maturing of solutions
- conditions for deployment and scale-up

Many EC ongoing activities

- **Horizon 2020 projects:**
  - DT-TRANSFORMATIONS-02: Transformative impact of disruptive technologies in public services
  - DT-GOVERNANCE-12: Pilot on using the European cloud infrastructure for public administration
- **Connect Europe Facility**
  - Big Data Test Infrastructure
  - European Blockchain Service Infrastructure
- **Observatories and studies**
  - Blockchain Observatory
  - AI Watch (Task on PS)
  - APIs4DGV study

Innovation in *ISA²*

- Experimentation is the DNA of *ISA²*
  - Many CEF BBs piloting in ISA²
    - Machine Translation (eTranslation)
    - Big Data (Big Data Test Infrastructure)
    - Blockchain (European Blockchain Service Infrastructure)
  - Many actions looking at Innovative Technologies in a Public Sector

INNOVATIVE PUBLIC SERVICES

General landscaping and studies

- Assessment framework of technologies for Public Sector
- Interoperability assessment framework of pilots
- Innovative Public Service Observatory
- Identification/selection of future pilots

Specific studies

- APIs studies (Catalogue of services, specifications for PS)
- Blockchain landscaping study in PS
- AI landscaping studies in PS

Piloting activities

- AI Proof of concept for financial regulatory reporting, competition
- Blockchain pilots (self-sovereign identity, notarization,...)
- New Pilots in 2020-2021 with MS

Innovative Public Services

Last update
about 7 hours ago

12 Members
0 Solutions

YOU'RE A MEMBER

Overview
Members
About

Modernising Public Administration is a race against the rapid development of new innovative digital technologies. Although there has been a tremendous increase in the digitalisation of public services, technological innovations (e.g. blockchain and the distributed ledgers, Artificial Intelligence, Mixed reality, Big Data Analytics, etc.) and associated business models are currently under-embraced in the public sphere. Governments can do more to invest in innovative digital solutions to drive... Read more

5 Documents

5 News

2 Events

About: all policy domains advanced search

Blockchains Unchained
General case study

Chances are that you have, and perhaps even

OPSI

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Towards
Digital Europe Programme

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Digital Europe programme – what?

Reinforcing digital capacities. Ensuring their best use.

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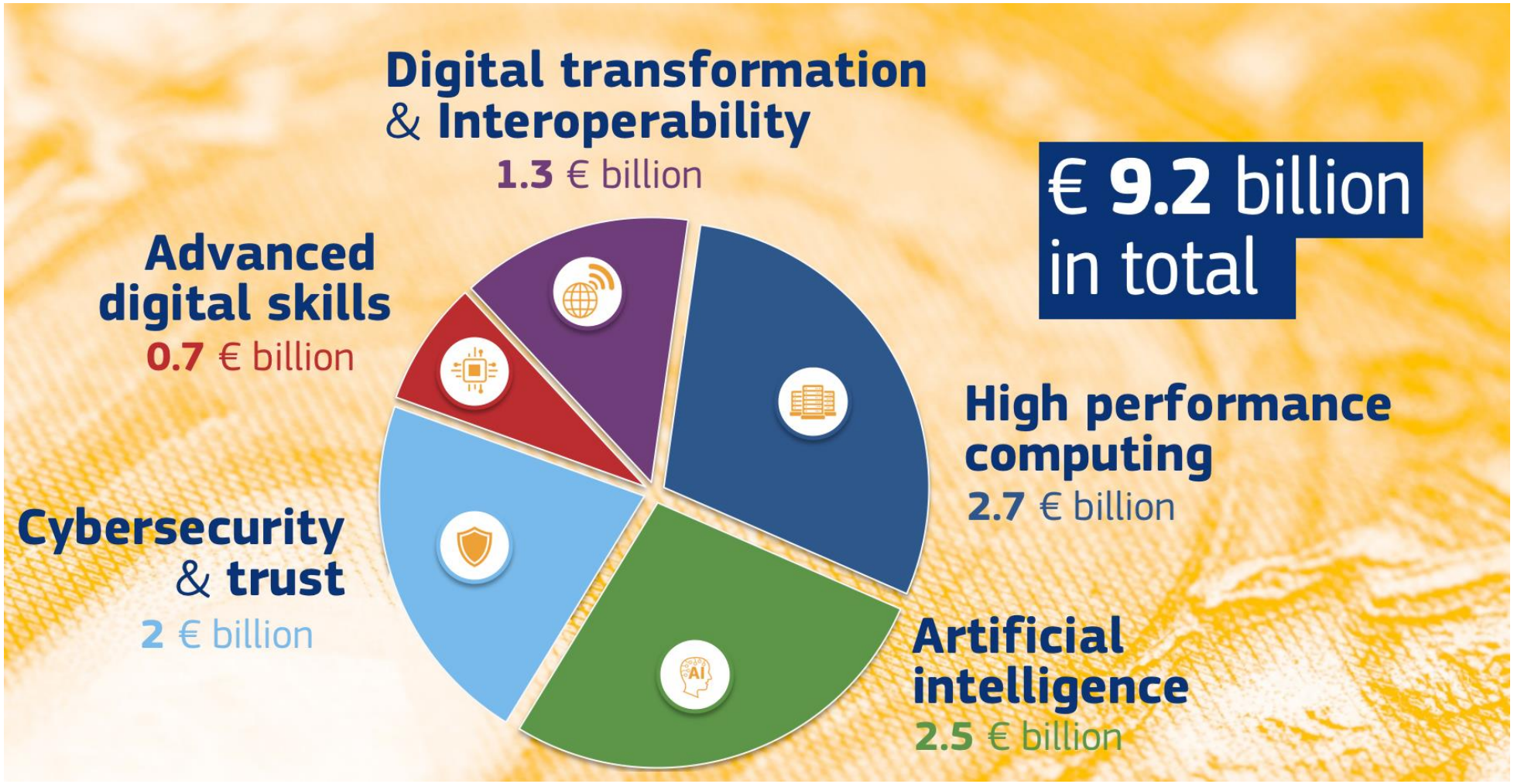

#EUBudget
#DigitalEurope

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High Performance Computing

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- **Application areas:** health, environment, climate, security, research, etc.

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Artificial Intelligence

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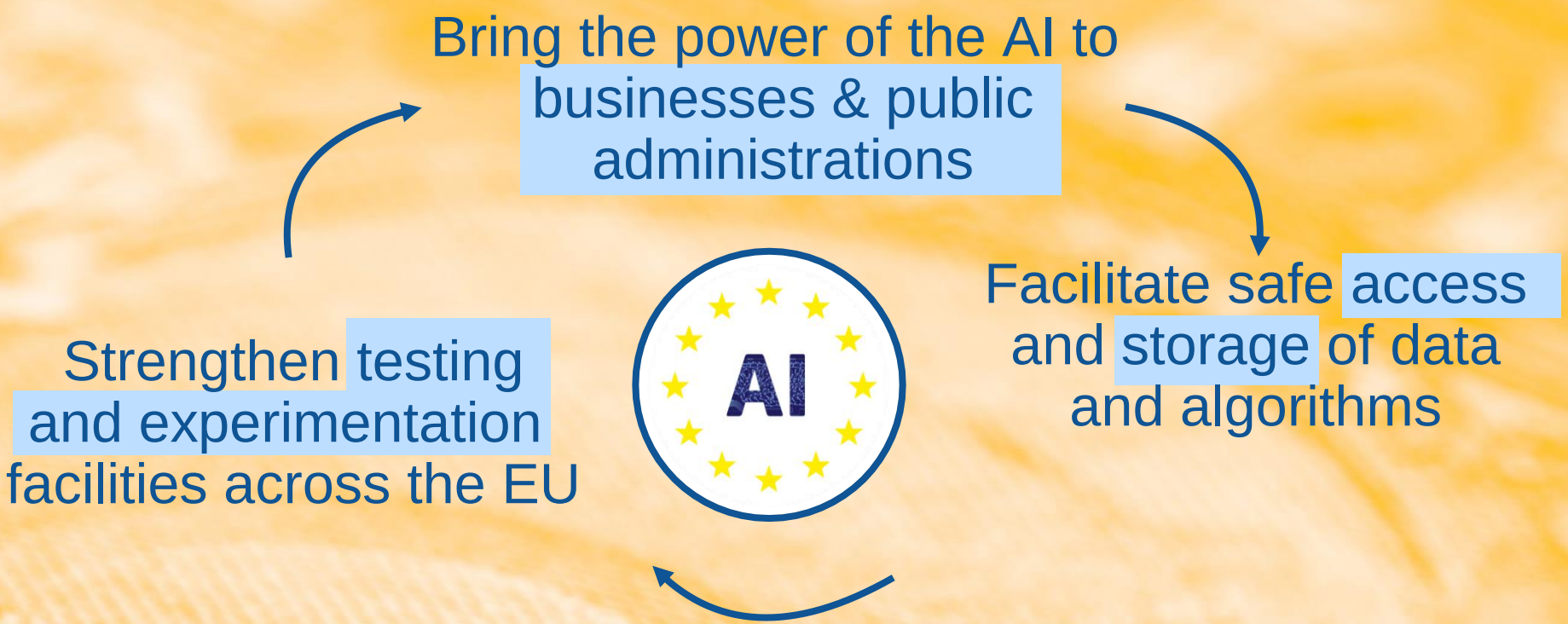

- **Application areas:** health, earth/environment monitoring, mobility, security, manufacturing, finance, etc.

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Cybersecurity and Trust

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Support procurement of advanced equipment, tools & data sharing infrastructures

Support cyber ranges/testbeds

Certifications
Ensure wide deployment of latest solutions across the economy

Reinforce capabilities for high level of network (including MeliCERT) & information systems

- Application areas: public sector, critical infrastructures, health, environment, research, etc.

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Advanced Digital Skills

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€ 700 million to support new opportunities for people to gain advanced digital skills to support the deployment of AI, HPC, Cyber

Long-term training courses for students and working people

On-the-job trainings and traineeships for young people

Short-term training courses for small businesses

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Deployment, use of digital capacities and interoperability

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Provide more **interoperable** public service

Bring digital technologies to **public sector** and areas of public interest

Support digital & related technologies for industry & SMEs

Offer **tests** and **pilots** to **public administrations**

Support and follow latest **tech developments**

Build up and strengthen the network of **Digital Innovation Hubs**

- **Application areas:** public administrations, health and care, education, judiciary, transport, energy, environment, culture and creative sectors, etc.

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Strategic orientations

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- **Citizen-centric digital Public Services**
  - ***Digital Transformation Platform*** ecosystem supporting the interoperability of Data and services (CEF, ISA² and EU Open Data Portal)
  - Cross-border implementation of the ***once-only principle***
  - ***Interoperability incubator*** for testing and piloting GovTech services

- **Digital Innovation Hubs**
  - A network of Digital Innovation Hubs for businesses, notably SMEs, and the ***public sector*** to have access to ***state of the art digital technologies***, in particular HPC, AI and cybersecurity, for adapting to digital change

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Regulation	Regulation	Regulation	Directive	Directive	Communication	Regulation/Directive
eIDAS	GDPR	SDG	Open Data / PSI	Inspire	EIF	Sectoral rules ...

Towards the Digital Europe Programme:

- CEF Building Blocks
- ISA² solutions
- EU Open Data Portal
- Support Center for Data Sharing

- Digital Transformation Platform Ecosystem
- Once-Only Infrastructure
- Interoperability GovTech Incubator

Want to know more?

Innovative Public Services

- Joinup
- Horizon 2020: Digital Government and ICT-enabled PSI
- CEF Digital

Digital Europe : afternoon Workshop today!

QUESTION & ANSWERS

ISA² programme

You click, we link.

Stay in touch

ec.europa.eu/isa2

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Run by the Interoperability Unit at DIGIT (European Commission) with 131€M budget, the ISA2 programme provides public administrations, businesses and citizens with specifications and standards, software and services to reduce administrative burdens.