



28 April
2023

EDIH Working Group on Public Administration, with main focus on Artificial Intelligence

interoperable
europe

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Europe's Digital Decade: digital targets for 2030

Government

Key Public Services - 100% online

Everyone can **access health records online**

Everyone can use **eID**

Business

75% of companies using **Cloud, AI or Big Data**

Double the number of **unicorn startups**

90% of **SMEs taking up tech**



- Key public services online – they also need to be aligned with EU values and principles; they need to be **interoperable**
- The public sector needs to become more **data-driven**, to improve the capability of developing policies and services through the management, sharing and use of data

Current Policy Context

Europe's digital future will be enabled by a **data-driven economy** and the use of **Artificial Intelligence**, fully respecting EU values and regulations

- The European Commission wants to ensure the **public sector** is able to keep pace with new technologies and benefit from **innovation**
- **'Government as a Platform**, as a new way of building digital public services, will provide a holistic and easy access to public services with a seamless interplay of advanced capabilities, such as data processing, AI and virtual reality' (2030 Digital Compass: the European way for the Digital Decade)
- **Interoperability** is key in the public sector, to avoid further fragmentation and allow easy and effective sharing and reuse of solutions.
- Opportunity to develop the **European GovTech market**, with a strong focus on SMEs and start-ups, in part through public procurement
- One crucial ingredient for supporting the European GovTech ecosystem across borders is **interoperability**, which allows start-ups to sell their products and services more easily across the EU

Interoperable Europe Act – Proposal for a Regulation

Help EU and Member States administrations to deliver connected digital services to citizens and businesses across Europe



To ensure a consistent, human-centric EU approach to interoperability from policy-making to policy implementation



To establish an interoperability governance structure to enable public administrations to work together and agree on shared interoperability solutions



To create an ecosystem of interoperability solutions for the EU's public sector so that public administrations in the EU and other stakeholders can contribute to and re-use such solutions, innovate together and create public value

Communication to set the context and next steps

Supports the achievement of the Digital Decade 2030 targets

Re-usable solutions

DG DIGIT provides a set of services and solutions divided into three layers of support

Interoperability

- Reference architecture
- SEMIC
 - SEMIC specifications
 - SEMIC Pilots
 - SEMIC Knowledge Hub
- Access to Base Registries
- Interoperability Test Bed

Trust & Identity

- eID
- eSignature
- eDelivery
- EBSI Framework
- TESTA Network
- EU Digital Identity Wallet (in the future)

Analytics

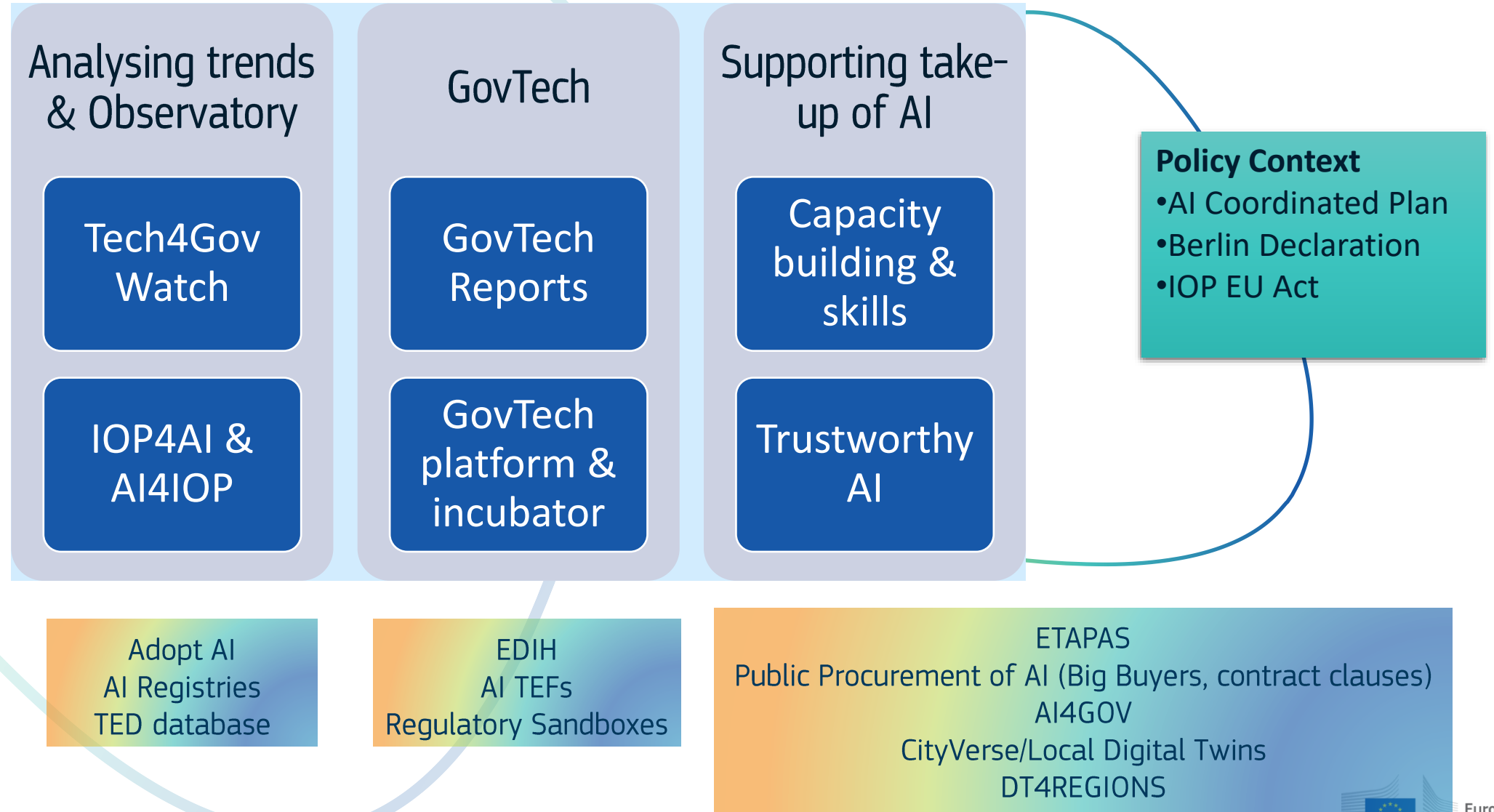
- Data Advisory Services
- Big Data Test Infrastructure

AI in the EU policy context

- ① White Paper on Artificial Intelligence - A European approach to Excellence and Trust
- ② Ethical guidelines for Trustworthy AI
- ③ Coordinated Plan for AI – 2021 review (**‘Making the public sector a trailblazer for using AI’**)
- ④ 2021 Proposal for an AI Act



AI in the Public Sector – Current activities at EU level



AI in the Public Sector – Use cases

Algorithmic systems of Amsterdam

Learn about the use cases where we currently utilise algorithmic systems as part of our city services.



City management

Reporting issues in public...

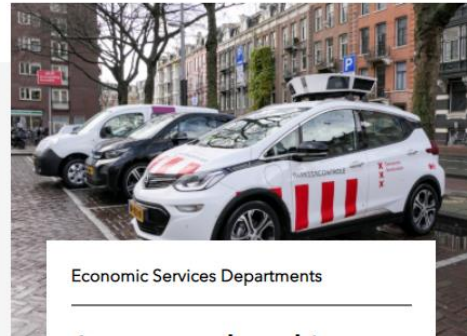
When someone encounters rubbish or a maintenance issue on the street or in a park, they can report this to the municipality via an online reporting system. A dangerous traffic situation or disturbance from people or cafe's can also be reported.



Economic Services

Illegal holiday rental housing...

Amsterdam has limited living space; both for citizens and visitors. If a citizen wants to rent out their home or houseboat to tourists, they need to meet certain requirements. For example, they can do so for a maximum of 30 nights per year and a maximum of 4 people at a time. They



Economic Services Departments

Automated parking control

In Amsterdam, the number of cars allowed to park in the city is limited, keeping the city liveable and accessible. The municipality checks whether a parked car has the right to be parked, for example, because parking fees have been paid via a parking meter or app, or because the

Other use cases:

- Fraud detection (e.g., allowances)
- Traffic surveillance for quick response (e.g., cameras in tunnels)
- Monitoring of patients for quick reaction and provision of assistance (e.g., for informing doctors when an irregularity is spotted)
- Mapping of buildings (e.g., for spotting undeclared properties)
- Smart policy making (e.g., elaborate collective information)
- Cyberattacks (e.g., detection and resolution of malware software)
- Etc.

Regulation includes opportunities for GovTech

- The Interoperable Europe Board may propose to the Commission to set up innovation measures to support the **development and uptake of innovative interoperability solutions** in the EU ('innovation measures'); involving GovTech actors
- Aiming to facilitate the **development of an open European GovTech ecosystem**, including cooperation with small and medium enterprises and start-ups
- Common '**Interoperable Europe**' label for openly accessible & reusable solutions, published in the **Interoperable Europe Portal**



On-going and planned activities and initiatives: *complementarity* and *sustainability* as guiding principles

- **Research studies landscaping GovTech practices in Europe** (e.g., [AI Watch](#), [Tech4Gov on Joinup](#), etc.), *setting the scene* and outlining opportunities, needs and possible directions for the future
- **GovTech Incubator** to foster a favourable *cross-border experimentation environment* for innovative and interoperable by-default public services
- **[GovTech Connect Platform](#)** as a *collaborative hub* to boost the GovTech market and share good practice
- **[The Public Buyers Platform](#)** enhances Commissions efforts to *improve public procurement*. Different communities bring together public buyers to share knowledge (e.g., on [AI procurement](#)).
- **A forthcoming GOVTECH Handbook** as a *guidance* for SMEs and public administrations to understand the impact, how to develop and deploy cross-border interoperable solutions for the provision of public services in cross-border and multilevel governance ecosystems

(E)DIHs

- Supporting actual deployment at local level
- Acting as multipliers to reach out to more public administrations in their territory
- Can act as brokers between public administrations and innovative StartUps and SMEs
- Through their network, EDIH can help GovTech companies access other public administrations in the EU and thus expand their business
- EDIH focusing on public administrations and AI (AI4PA) can bring a great wealth of knowledge on AI-enabled innovation to the public sector

GovTech initiatives

- GovTech Incubator includes also some EDIHs and also a regional/local dimension
- GovTech platform working with DIHs



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