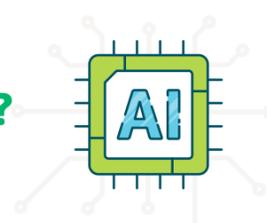




ARTIFICIAL INTELLIGENCE IN THE PUBLIC SECTOR

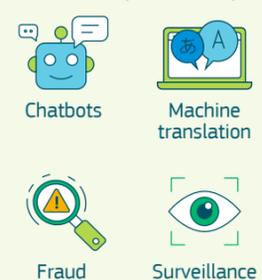
A driver for positive change when applied in a human-centric and trustworthy way

HOW IS AI BECOMING A GAME CHANGER FOR PUBLIC SERVICES AND POLICYMAKING?

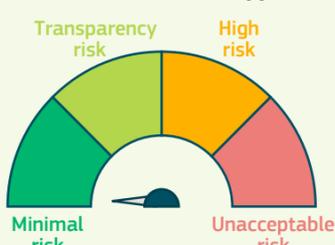


Artificial Intelligence (AI) is increasingly influencing European's daily life. The use of AI is taking off in the public sector, impacting how processes take place, while **regulations are underway to guarantee a trustworthy and human-centric use of technology.**

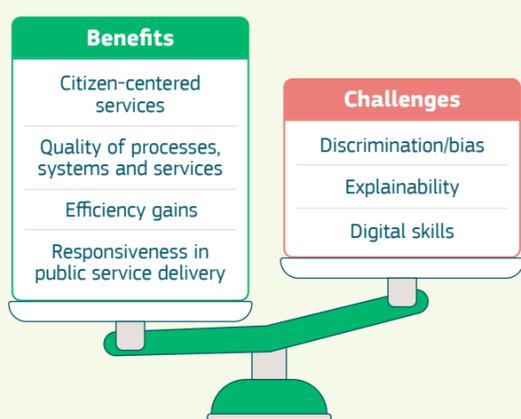
Public Administrations use AI in several ways, for example:



To foster trust, the **AI Act** will regulate the use of AI following a **use case risk-based approach**:



However, AI comes with many benefits but also challenges to consider:



Different societal groups express concern about the Public Administrations' use of AI:



HOW DO PUBLIC ADMINISTRATIONS USE AI AT PRESENT?

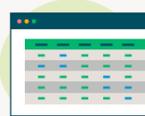
Knowing how Public Administrations use or plan to use AI helps make the most of the technology, **understanding needs** and **reducing risks**.

The **European Joint Research Centre** is producing:



A report on the state of the use of AI in the European public sector.

686 collected cases* (*Apr 2022)



Based on an inventory of found cases available as open data.



Some findings are:

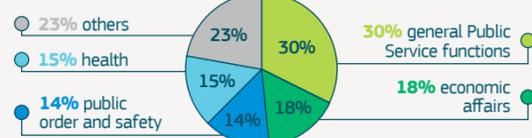
GEOGRAPHIC SCALE



IMPLEMENTATION STAGE



FUNCTION OF GOVERNMENT



MOUNTING RELEVANCE OF GeoAI

GeoAI uses machine learning to extract knowledge from location data providing valuable approaches for addressing a variety of environmental and societal challenges.



HOW COULD PUBLIC ADMINISTRATIONS USE AI IN THE NEXT YEARS?

For Public Administrations to use AI in line with European values, recommendations covering **key topics** in four areas of intervention are defined:



<p>1</p> <p>Promote an EU value-oriented, inclusive, human-centric and trustworthy AI in the public sector</p> <ul style="list-style-type: none"> EU regulations Ethical principles Guidelines Risk mitigation Co-creation approaches Trust Confidence 	<p>2</p> <p>Enhance coordinated governance, convergence of regulations, and capacity building</p> <ul style="list-style-type: none"> EU-wide network Governance bodies Capacity-building programmes Regulatory sandboxes Funding optimisation Reusable solutions Multilingualism 	<p>3</p> <p>Build a shared and interactive AI digital ecosystem</p> <ul style="list-style-type: none"> Multidisciplinary research Knowledge creation European data space Open data Reusable and interoperable components European marketplace for GovTech 	<p>4</p> <p>Apply and monitor sustainability through value-oriented AI impact assessment co-created frameworks</p> <ul style="list-style-type: none"> EU observatory on AI Pan-European network Best practices Impact assessment frameworks Sustainable AI Green AI Civic engagement
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Extracted from: AI Watch: Road to the adoption of Artificial Intelligence by the public sector

WHAT ARE THE ATTENTION AREAS TO PROMOTE PUBLIC SECTOR DIGITAL TRANSITION WITH AI?

Some concrete challenges for the public sector to address are:

- Ensure compliance with the EU public values
- Implement AI systems with the right skills
- Shift organisational culture acknowledging AI peculiarities

Interoperability should be embedded in AI solutions to:

- Interact better with cultural, legal, organisational, semantic and technical systems in which they are applied
- Overcome interoperability challenges, i.e. by identifying inconsistencies
- Harmonise and annotate semantic data to be trained



Learn more on AI in the Public Sector in the [ELISE Joinup space](#).