TAIEX MOVING FORWARD TOGETHER WITH EU EXPERTISE

# TAIEX INTPA Taller sobre el Modelo Haciendario Estatal - Agenda de Gobiero Digital II QUERÉTARO, 28-29 November 2024

Estrategia de Al en Grecia

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Digital Transformation, Strategy and Innovation Advisor



#TeamEurope







- **Establishment of the High-Level Advisory Committee on AI (2023):** Coordinated by the Special Secretariat of Foresight, its mission is to develop a national policy to leverage AI's potential while mitigating risks.
- **Comprehensive Study:** The strategy, informed by global trends and consultations with Greek and international experts, outlines principles, methodology, and six transformative flagship projects.
- Alignment with Global Standards: Incorporates insights from OECD and other international best practices to address Greece's unique needs.
- Four Key Focus Areas:

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- Innovation and Entrepreneurship: Positioning Greece as a hub for Al-driven startups and investments.
- Education and Research: Building AI expertise and fostering knowledge growth.
- **Regulatory Framework:** Ensuring safe, responsible AI use.
- **Public Sector Applications:** Enhancing efficiency and transparency in governance.
- **Collaborative Approach:** Involves government, researchers, entrepreneurs, and experts to create a strategy tailored to Greece's specific context and challenges.



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HIGH-LEVEL ADVISORY COMMITTEE ON ARTIFICIAL INTELLIGENCE





# Al Vision

"Accelerating Digital Transformation and Growth by leveraging Inclusive and Democratic Al"

#### Democratising Al

- Putting AI at the Service of People, Society & Environment
- Fostering Economic Growth & Digital Transformation
- Creating a Technology-enabled future that is more democratic, just, equitable and sustainable for all and for the common good

"Greece aspires to become one of the world's top experimental laboratories for the sustainable democratisation of AI and the infusion of AI with the rights, freedoms, and values of democracy by design"

#### AI Challenges:

Large Language Models (LLMs), Open (Big) Data, Infrastructures Al Risks: Trust, Ethical and Privacy Issues



# **Al Policy Areas**



# A. A. Principles Ethical. Trustworthy & Democratic AI for All A. Vision A. I. Infrastructures, Research, Education & Skills Capital, A. I. Innovation ecosystem

# 2. Al Application Areas

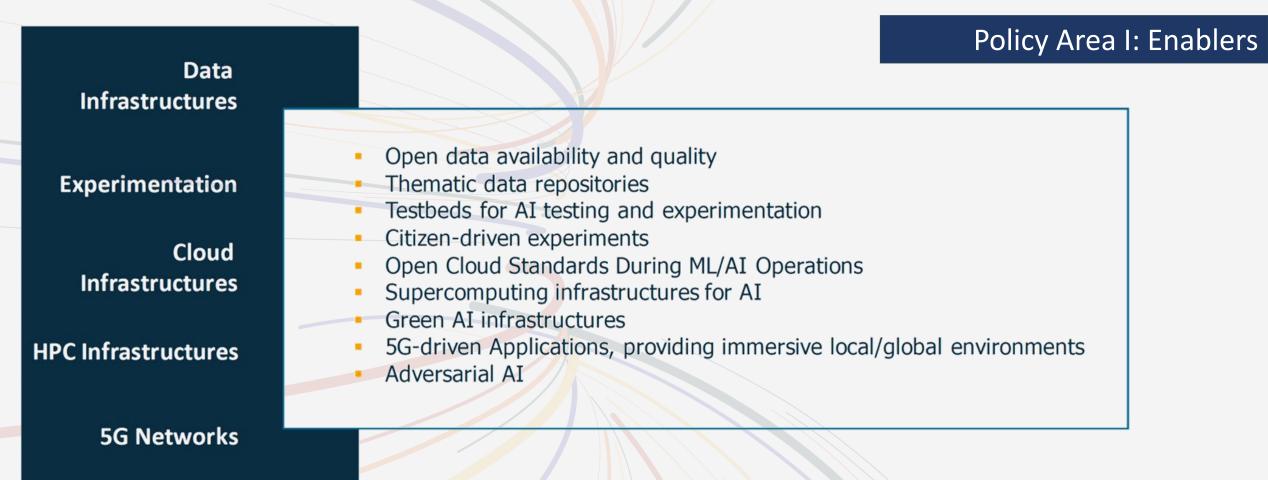
Al-driven Economic Transformation and Growth Al for the Public Sector





# **1. Al Infrastructures**





#### Cybersecurity

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# Policy Area 2: AI Application Areas

Investments in Enabling Infrastructure

> Data-centric Frameworks

> > AI R&D AI Talent

Frameworks

Awareness

- Enabling Infrastructures (Cloud, Computing Resources, IoT, 5G)
  - Sectorial Data Models & AI methodologies
- Private Cross-Sector Data Sharing/Monetizing Framework incl. data brokers
- Public Private Data Sharing Framework and Tools
- Finance and Incentivize R&D for AI
- AI Talent in Private Sector
- Privacy Preserving Data Analysis
- Ethical-byDesign Deep Learning Models
- Regulatory/Legislative framework for decision making based on AI
- AI Awareness for Private Organizations & their Employees







# Policy Area 2: AI Application Areas

Reference Projects

AI-driven Transformation

**Digital Skills** 

AI-for smartsafe public environments AI Reference Projects and Success Stories

- Reforming the Public sector GOV.GR with AI
- Generating Digital Skills for AI
- AI for Generating Smart and Safe Public Environments







## Policy Area 3: AI Principles

Legal Framework

**AI** Awareness

Sustainable Future Explainable AI

AI FoW

AI-projects across Sciences

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Legal framework for Ethical and Democratic AI

- General AI Awareness
- Project Specific AI Awareness
- AI for Green Transformation & Sustainable Future
- Technologies for Trustworthy and Explainable AI
- Plans and Policies for the Future of Work (FoW)
- AI-based projects in Arts, Humanities and Social Sciences



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# **Legislative Framework for the Development of Al**

Law Decree 4961/2022 "Emerging information and communication technologies, strengthening digital governance and other provisions."

- Coordinated Plan on Artificial Intelligence (2018, 2021)
- White Paper on Artificial Intelligence (2020)
- EU Artificial Intelligence Act (Regulation (EU) 2024/1689)

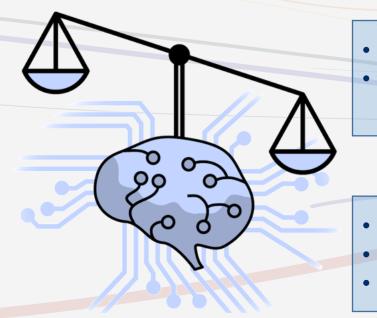
European Framework

National

Framework







# **National Framework**



National Framework Law Decree 4961/2022

- 01 Processing of personal data when using artificial intelligence systems
- 02 General provisions for the use of artificial intelligence systems by public sector bodies
- O3 Algorithmic impact assessment
- 04 Transparency obligations
- 05 Obligations of contractors of artificial intelligence systems
- 06 Registry of artificial intelligence systems of public sector bodies
- 07 Obligation to provide information on the use of artificial intelligence in the workplace
- <sup>08</sup> Artificial Intelligence Systems Registry Ethical Data Use Policy





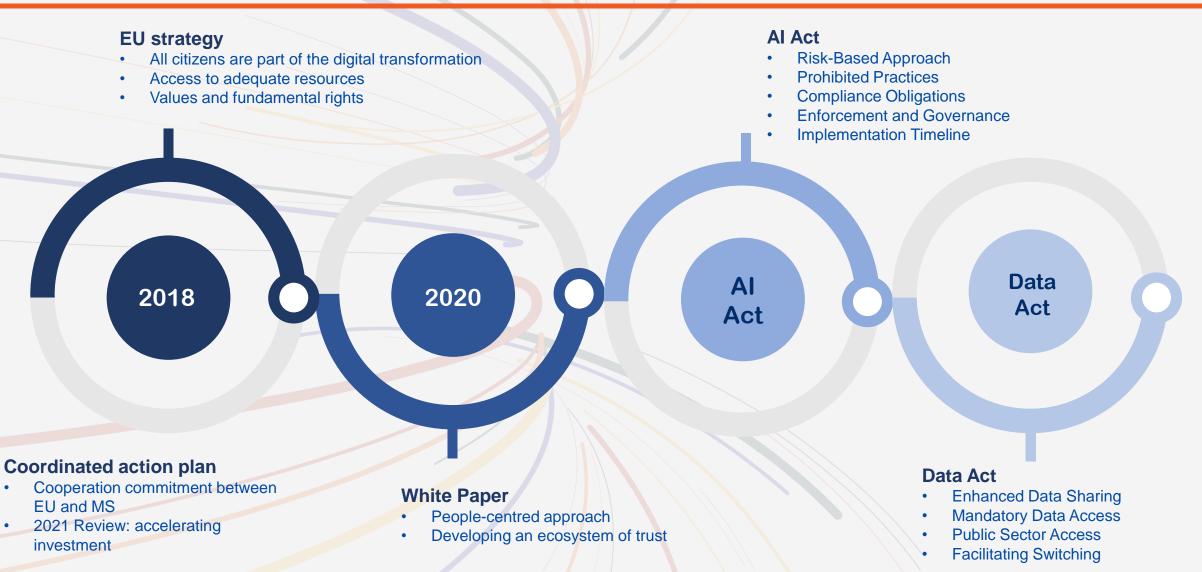
# **European Framework**

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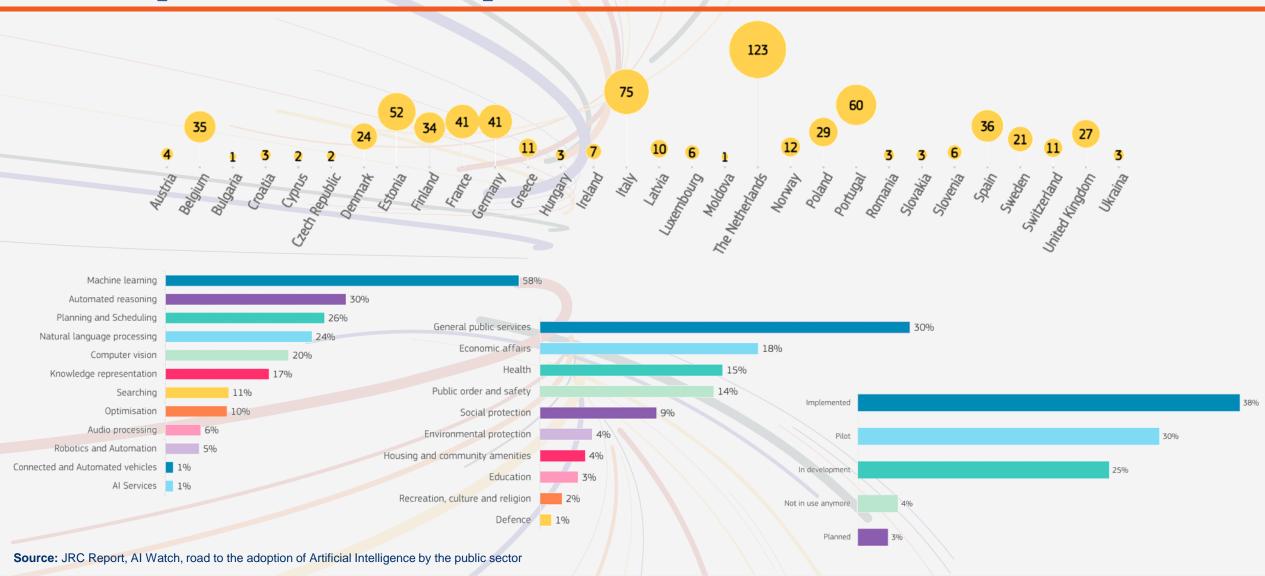
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#### \*\*\*\*\* \*\*\*\*

# **European Landscape in Public Services**









# **Political steps towards the strategy**



#### **Exploitation of AI in EU MED9 Countries:**

- Leverage AI to tackle Mediterranean challenges like climate change, optimise resource management, and promote sustainability.
- Focus on human-centred AI, ensuring ethical responsibility and respect for human rights.
- Invest in robust AI infrastructures and R&D centres to enhance public sector services across the region.

#### **High-Level Advisory Committee on AI:**

- Provides guidance on leveraging Al's opportunities for Greece's growth.
- Proposes a coherent framework to address challenges, mitigate inequalities, and manage risks effectively.

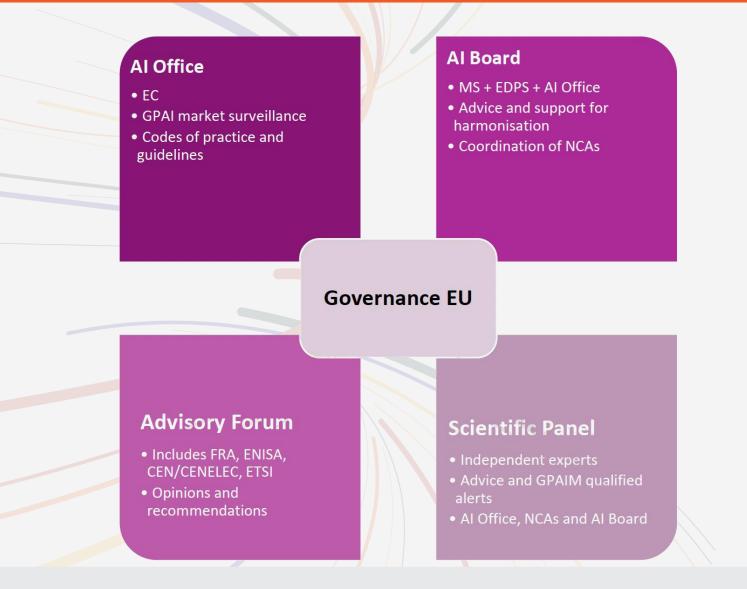






# **Al Governance**









# A Blueprint for Greece's Al Transformation

A BLUEPRINT FOR GREECE'S AI TRANSFORMATION

HIGH-LEVEL ADVISORY COMMITTEE ON ARTIFICIAL INTELLIGENCE

HELLENIC REPUBLIC Presidency of the Government Special Secretariat of Foresight

# **Core Outcomes**

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# Leverage AI for National Transformation

- Empower Greece to compete globally in AI.
- Establish a framework for the **ethical use** of AI.
- Promote a human-centric approach to foster trust, inclusivity, and democracy.
- Align Greece's strategy with global trends while addressing national challenges.



# **Main Pillars**



# **Innovation and Entrepreneurship**

Foster AI ecosystems, support startups, and attract investment.

#### **Regulatory Framework**

Implement ethical and adaptive guidelines for AI use.

#### **Education and Research**

Build AI skills from school to lifelong.

# **AI in Public Services**

Transform governance, healthcare, climate action, and culture preservation.





# **Flagship Projects I**





#### **AI Data Governance Model**

**Objective:** Establish Greece as a model nation in data collection, governance, and AI strategy.

#### **Key Actions:**

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- Create data governance units to catalogue and harmonise data assets across the public sector.
- Implement a transparent data governance policy that respects privacy and promotes accessibility.
- Develop AI-ready infrastructure and foster an AI culture within government.
- Design safe AI experimentation spaces to test innovative applications.

**Expected Impact:** Enable Greece to leverage highquality data for competitive AI models and attract global talent and investments.

#### World-Class AI Research Institute

**Objective:** Build an AI Centre of Excellence for research, education, and workforce development.

#### **Key Actions:**

- Offer interdisciplinary programs in AI, ethics, and sector-specific skills (e.g., AI in healthcare).
- Collaborate with international academic institutions to achieve global standards.
- Provide training for graduate students, executives, and professionals.
- Leverage the Greek academic diaspora and historical ties to humanities for ethical AI development.

**Expected Impact:** Retain Greek talent, attract international experts, and foster cutting-edge research and innovation.



#### **AI Education Platform**

**Objective:** Democratise access to AI education and foster a community of learners and practitioners.

#### **Key Actions:**

- Develop a central platform for teaching, learning, and collaboration in AI.
- Host competitions and hackathons to inspire creativity and innovation.
- Provide subsidised access for underprivileged groups.
- Create professional and vocational training programs.

**Expected Impact:** Bridge the skills gap, enhance AI literacy, and promote hands-on learning.



# **Flagship Projects II**





#### **AI Ecosystem Accelerator**

**Objective:** Build AI ecosystems centred around data, computation, and investment opportunities.

#### **Key Actions:**

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- Establish an AI startup accelerator supported by subsidised computing power and access to highquality datasets.
- Create industry-specific hubs for sectors like healthcare, climate resilience, and energy.
- Coordinate incentives (e.g., tax benefits, visa programs) to attract global talent and resources.

**Expected Impact:** Position Greece as an innovation hub and boost the competitiveness of local enterprises.



#### **Greek Data and Culture Space**

**Objective:** Preserve and enrich the Greek language and culture in AI models.

#### **Key Actions:**

- Curate high-quality Greek language and cultural datasets.
- Use these datasets to train or fine-tune AI models for better accuracy and representation.
- Promote open collaboration while ensuring ethical governance and respect for intellectual property.

**Expected Impact:** Strengthen the global presence of Greek culture, improve AI applications in the Greek language, and safeguard cultural heritage.



#### **Global AI Ethics Forum**

**Objective:** Position Greece as a leader in global discussions on AI ethics and democratic values.

#### **Key Actions:**

- Host an annual global forum to debate AI's ethical implications and its role in democracy and sustainability.
- Launch a global AI observatory to monitor AI's impact on democracy worldwide.
- Develop educational resources like lectures, podcasts, and publications on AI ethics.

**Expected Impact**: Strengthen Greece's leadership in ethical AI and foster international collaboration.



# **Call to Action**





# **Transforming Greece with AI**

- Strategic Vision: Position Greece as an AI leader through bold initiatives.
- Collaborative Approach: Engage government, industry, and academia.
- Next Steps: Implement the flagship projects and track progress.

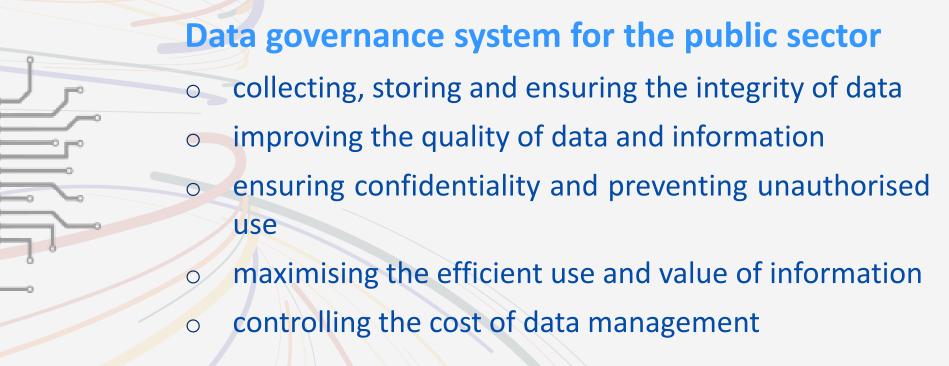


# Some practical examples

# AI = Data + Algorithms



# No data, no artificial intelligence\*



(\*) zero-shot learners and reinforcement learning algorithms, which learn from the data they collect incrementally

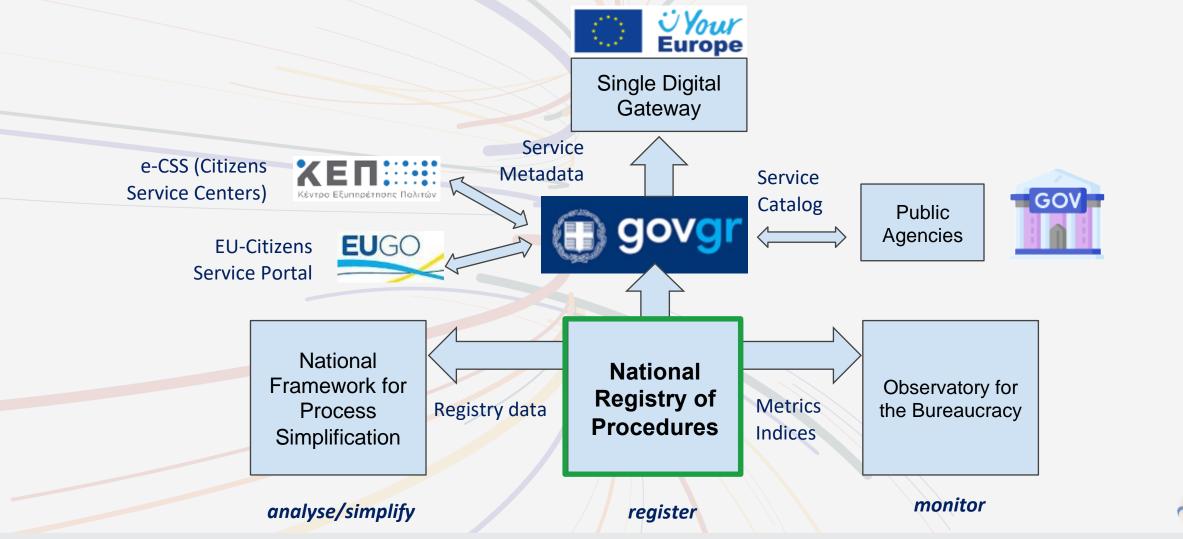




# A holistic approach to Public Services, Procedures and Life Events



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# Interoperability by design

# **Technical interoperability**

- All data must be openly available
- Data must be accessible through APIs
- Reuse and share (applications and data)

# Semantic interoperability

- All systems must use the same metadata standards

# **Organizational interoperability**

 Public administrations must align their business processes, responsibilities and expectations









# Let's focus on the National Registry mitos.gov.gr





# **Core aspects**

# **Aim and objectives**

- Single point of truth: Develop a unique reference point for the physical and digital administrative procedures of the state and the services to citizens
- Objectives:
  - Recording and modelling of the existing administrative procedures and public services from the bodies that supervise and implement them.
  - Continuous updating of procedures after each change.
  - Creating a basis for the subsequent simplification of procedures (elimination or reduction of procedural steps and/or supporting documents).
  - Immediate access, ease of search and information for citizens.

# Requirements



- Compliance to standards
- Openness and interoperability
- Rapid population
- Agility





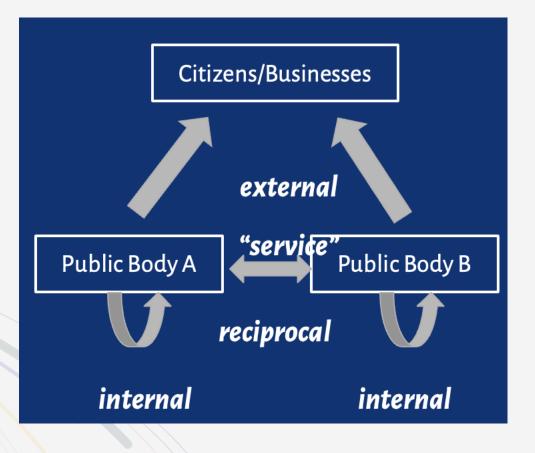


# **Procedure Types**

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- *external:* procedures that implement
   *services* for external users (citizens and businesses),
- *internal:* procedures performed in the context of *internal operation* of public administration bodies (e.g. ask for absence or leave, apply for training etc.)
- reciprocal: procedures needed for external services that require inter-administrative actions.









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# What has been established





- A *governance model* for Mitos, and a controlled *crowdsourcing* approach for populating and maintaining the registry
- An *information system* for registering/updating/publishing services
- A platform for *informing* citizens and *collecting their feedback* about the public services
- Dashboards for monitoring the registration process and the status of Mitos
- An Application Programming Interface (API) that delivers Mitos' metadata to third party applications
- Education/training: 5 training cycles for Mitos' editors
  - **Raise awareness** and **Service Design sessions** for continuous feedback collection and improvement





# What has been achieved



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#### 1406 Published

Procedures that any interested person may seek in the Registry based on type or on life events.



#### **Under Publication**

Procedures, that are at the final stage of control by the Ministry of Digital Governance

#### 167 U

Under Approval

#### under Approx

Procedures, that are at the intermediate stage of control and approval by the competent authorities

#### 1000 Under Process

Procedures, that are at the initial stage of registration by the competent authorities.

Search National Servi	ces Registry	Q E E
Procedures Categories	Provided to	Based on Type
Arable and livestock farming	Citizens	Permits
Justice	Businesses	Compensations
Education	Legal Entities	Certificates
Business activity	Gvil Servants	Registrations
Employment and insurance	Public Bodies	Audits
Family	Foreigners	Benefits
Property and taxation	Other	Complaints
Citizens and day-to-day life		Attestations
Culture, sport and tourism		Pensions
Conscription		





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# And for each procedure



#### **Receive Notifications** Feedback Print



#### Admission of pupils to standard lower and upper secondary schools 336734

At a Glance	At a glance					
Basic information	Points of service	Points of service		Digital provision points		
Application		INDEPENDENT DEPARTMENT OF STANDARD AND		National Single Digital Gateway – gov.gr		
What you will need	EXPERIMENTAL SCHOOLS, INSTITUT EDUCATIONAL POLICY	EXPERIMENTAL SCHOOLS, INSTITUTE OF EDUCATIONAL POLICY				
Requirements	Number of required documents	Fees		Estimated Time		
Related	1 to 2	Provided withour	t cost	3 months		
Output	Description	Description The procedure concerns the admission, by means of a skills test, to the introductory (A) class in standard lower				
Steps	The procedure concerns the admissi					
Other information		and upper secondary schools, and the corresponding admission by means of a skills test to the B and C classes in				
Legislation		standard lower and upper secondary schools. It affects citizens, parents/guardians of pupils who are going to attend or are already attending schools for secondary education.				
Categories						
Show Procedure	Basic information					
Steps	Competent body					

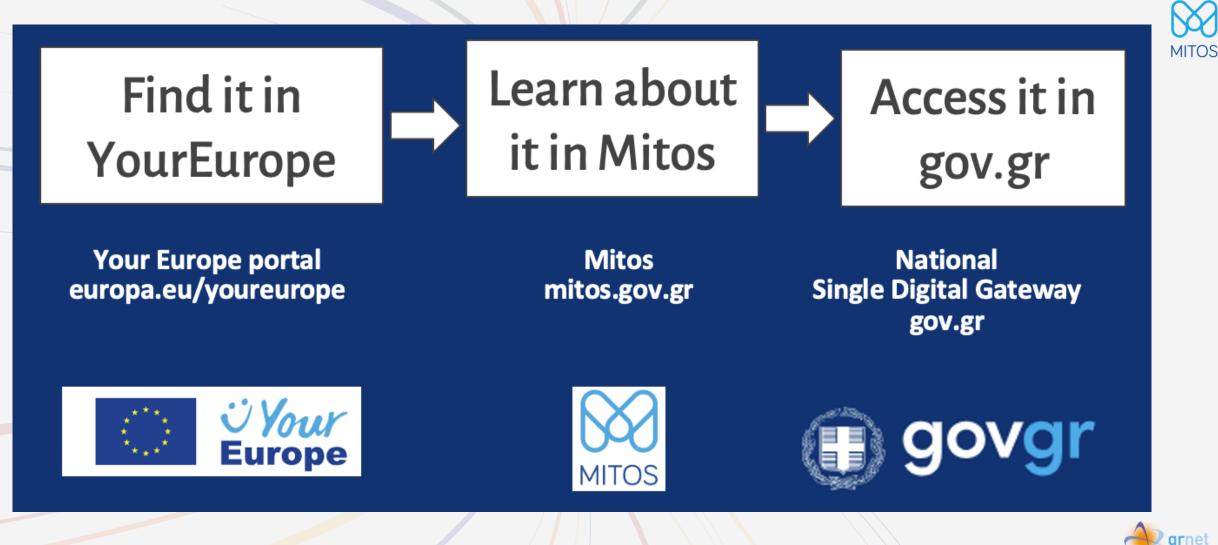


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# **Digitizing the (EU) citizen journey**





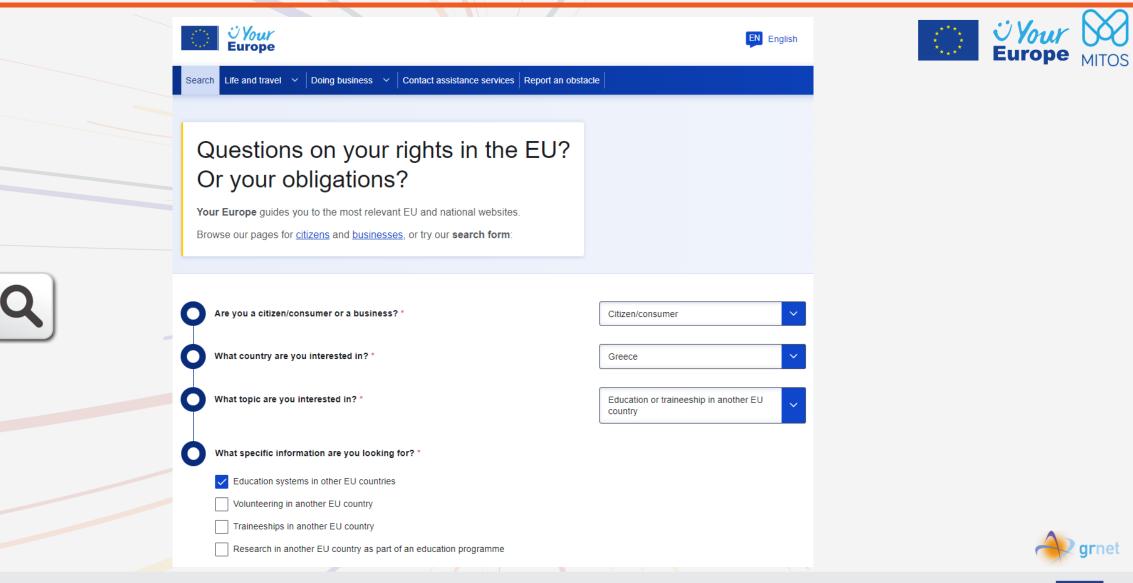






# **Find it in YourEurope**





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# **Find it in YourEurope**

Filters

O EU Language

Country / EU

Greece

() ελληνικά

English

National Coverage

General rules

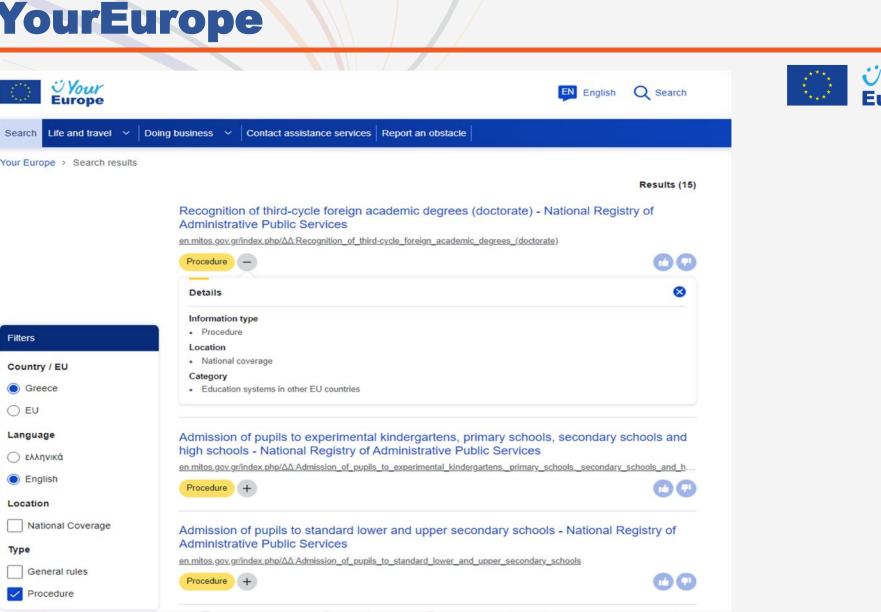
Procedure

Location

Туре

U Your Europe

Your Europe > Search results









FUROPEAN LINIC

# Learn about it in Mitos

HELLENIC REPUBLIC

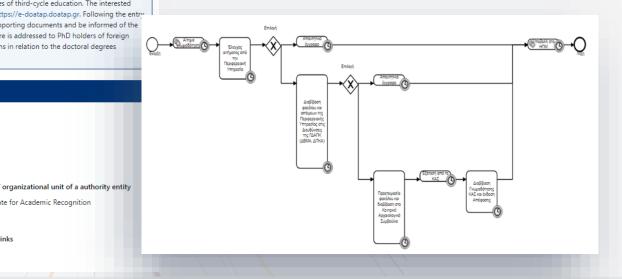
Government



# Search National Registry of Administrative Publ Q EL EN Standards it adopts

eceive Notification

- Procedures Core Public Service Vocabulary Application Profile (CPSV-AP)
- Bodies Core Public Organisation Vocabulary (CPOV)
- Process steps Business Process Modelling Notation (BPMN)
- Multilingualism CEF eTranslation Building Block





#### 814359 Recognition of third-cycle foreign academic degrees (doctorate)

National

**Registry of** 

Administrative Public Services

#### At a Glance Basic information Application What you will need Requirements Fees Related Output Steps Other information Legislation

Legislation Categories Show Procedure

Steps

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academic institutions and consists of the equivalence of qualifications in relation to the doctoral degrees awarded by Greek higher educational institutions.

asic information				
ompetent body				
INISTRY OF EDUCATION, SPORTS AND RELIGIOUS FAIRS				
lated links				
orms and instructions				
uthority responsible for the provision of the	Service / organizational unit of a auth			
ocedure	Directorate for Academic Recognition			
ELLENIC NATIONAL RECOGNITION AND FORMATION CENTER (HELLENIC N.A.R.I.C.)				

Related links

Provided to

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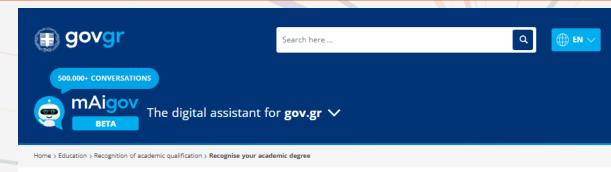
INI

Citizens





# Access it in gov.gr





#### Recognise your academic degree

You can apply online for the recognition of your degree (basic degree, master's or doctorate).



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#### You will need:

- your personal Taxisnet credentials, if you are a Greek citizen
- a valid passport or residence permit, if you are a foreigner

Then you can:

- submit supporting documents
- be informed by e-mail about the progress of your application
- view your application history



#### Service Information

Last updated:	Tuesday 01 August, 2023
Competent authority:	Hellenic National Academic Recognition and Information Center
Created and maintained by:	Hellenic National Academic Recognition and Information Center

#### Useful links

<u>Contact</u>
 Instructions and forms

National Registry of Administrative Public Services Visit mitos.gov.gr for a detailed description of the process.

#### Information utilized

- Procedures as presented in MITOS (and English in EUGO)
- Extracting basic information
- Obtaining supporting documents for an application
- Extracting fees
- Extracting organizations (and routing data in eKEP)
- Semantic search capabilities: search.mitos.gov.gr
  - API: https://api.mitos.gov.gr/







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## mAlGov



#### **Technology stack:**

- mAlgov is built on a robust technology stack that includes the Microsoft Azure OpenAl service with the GPT-4 base model, Hugging Face sentence transformers, and neural search-enabled OpenSearch.
- The backend is developed using Quarkus, while the frontend employs Quasar (Vue.js)

#### **Functionality:**

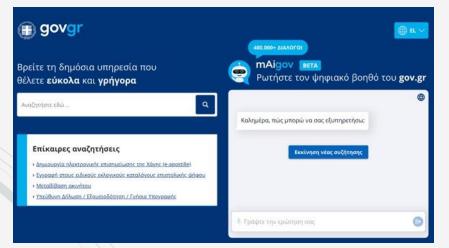
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- The digital assistant allows citizens to interact via mobile phones and PCs by submitting queries in natural language, either written or spoken.
- It helps users locate services intuitively and provides responses based on its knowledge base of over 1,600 services and 3,270 administrative procedures.

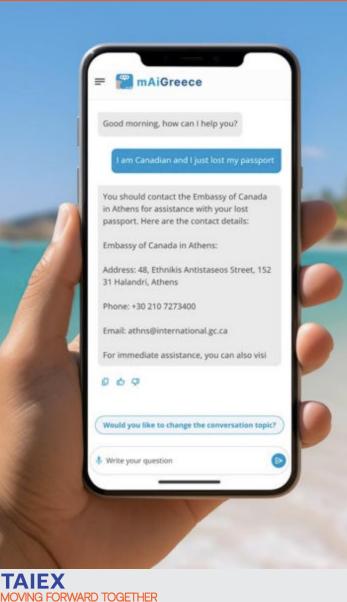






## **Chatbot in Tourism**





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## mAiGreece

mAlGreece: El nuevo asistente digital para los visitantes de Grecia 1. Hospitals all over Greece.

2. Health centres throughout the country.

3. Embassies and Consulates of foreign countries in Greece.

4. Police stations all over the country.

- 5. Beaches with Blue Flags.
- 6. Content from visitgreece.gr.
- 7. Concentrated FAQs.
- 8. Museums all over Greece.



## https://search.mitos.gov.gr

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#### **MITOS MITOS** Βρες απαντήσεις για τις διαδικασίες του Μίτος Βρες απαντήσεις για τις διαδικασίες του Μίτος Συμπλήρωσε αυτό που αναζη Συμπλήρωσε αυτό που αναζητάς Αναζήτηση Αναζήτηση Πετρέλαιο Πετρέλαιο Αναρωτιέμαι: (Ποιοί δικαιούνται Τι προυποθέτει Αναρωτιέμαι: (Ποιοί δικαιούνται Τι προυποθέτει Που πάω Τι χρειάζομαι Πόσο κοστίζει Που πάω Τι χρειάζομαι Αναγγελία Έναρξης Λειτουργίας Πλωτής Ευκολίας Υποδοχής Πετρελαιοειδών Καταλοίπων Αναγγελία Έναρξης Λειτουργίας Πλωτής Ευκολίας Υποδοχής Πετρελαιοειδών Η Η διαδικασία αφορά στην Αναγγελία Έναρξης Λειτουργίας Πλωτής Ευκολίας Υποδοχής Πετρελαιοειδών Η διαδικασία αφορά στην Αναγγελία Έναρξης Λειτουργίας Πλωτής Ευκολίας Υποδοχής Καταλοίπων και απευθύνεται σε φυσικά και νομικά πρόσωπα. Καταλοίπων και απευθύνεται σε φυσικά και νομικά πρόσωπα. Κόστος Προϋποθέσεις 1. \* 88.04€ 1. Σύσταση επιχείρησης (ατομική, εταιρική) \*Για σύσταση εταιρείας δείτε τον σύνδεσ Σύνδεσμος Κωδικός ε-παραβόλου: 3070 2. Ο αιτών να είναι κάτοχος κωδικών TAXISnet. Υπολογισμός κόστους: Εφάπαξ Σύνδεσμος Τρόπος Πληρωμής: ΕΛΤΑ, Ταμείο τραπέζης, Ψηφιακά (χρεωστική/ πιστωτική κάρτα), Ψηφιακά (web banking) 3. Κάθε πλωτή ευκολία εφοδιάζεται με Πρωτόκολλο Γενικής Επιθεώρησης (Π.Γ.Ε.) ισχ τεσσάρων (24) μηνών, με ετήσια υποχρεωτική θεώρηση. Το Π.Γ.Ε. συνοδεύεται απο Είδος κόστους: e-Παράβολο συμπλήρωμα σύμφωνα με το υπόδειγμα του Παραρτήματος ΙΙ. Σύνδεσμος: https://www1.gsis.gr/sgsisapps/eparavolo/pu blic/welcome.htm Η πλωτή ευκολία θα πρέπει να τηρεί επίσης βιβλίο διαχείρισης πετρελαιοειδών κατό 4 από τη Λιμενική Αρχή και διαγραμμισμένο, σύμφωνα με το υπόδειγμα του Παραρτή αυτό θα συμπληρώνεται από τον πλοίαρχο της πλωτής ευκολίας θα διατηρείται στη Αναγγελία έναρξης πλωτής ευκολίας υποδοχής πετρελαιοειδών καταλοίπων. Διαβάστε περισσότερα



## https://search.mitos.gov.gr



#### ⊠ITOS

#### **⊠ITOS**

Τι χρειάζομαι

Βρες απαντήσεις για τις διαδικασίες του Μίτς

## Συμπλήρωσε αυτό που αναζ

	Αναζήτηση
(	Θέλω να ανοίξω γηροκομείο

Αναρωτιέμαι: (Ποιοί δικαιούνται) (Τι προυποθέτει) (Που πάω

#### Άδεια Λειτουργίας Μονάδας Φροντίδας Ηλικιωμένων

Η διαδικασία αφορά στη χορήγηση άδειας λειτουργίας των Μονάδων Φροντίδας Ηλι κερδοσκοπικού χαρακτήρα από φυσικά και νομικά πρόσωπα. Απευθύνεται σε επιχειρ Διαβάστε περισσότερα

#### <u>Προϋποθέσεις</u>

- Σύσταση επιχείρησης (ατομική, εταιρική) \*Για σύσταση ατομικής επιχείρησης δε https://www.gov.gr/ipiresies/epikheirematike-drasterioteta/enarxe-kai-luse-epikheirese epikheireses. \*Για σύσταση εταιρείας δείτε τον σύνδεσμο παρακάτω Σύνδεσμος
- Ο αιτών να είναι κάτοχος κωδικών TAXISnet, για την ηλεκτρονική υποβολή της Σύνδεσμος
- Ο υπεύθυνος ιατρός της μονάδας φροντίδας ηλικιωμένων οφείλει να έχει αποκ επαγγέλματος.
- Ο υπεύθυνος ιατρός της μονάδας φροντίδας ηλικιωμένων οφείλει να έχει εγγρ
   Σύλλογο του τόπου λειτουργίας της επιχείρησης.

Βρες απαντήσεις για τις διαδικασίες του Μίτος

### Συμπλήρωσε αυτό που αναζητάς

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	Αναρωτιέμαι: Ποιοί δικαιούνται Τι προυποθέτει Που πάω Τι χρειάζομαι Πόσο κοστίζε		

#### Άδεια Λειτουργίας Μονάδας Φροντίδας Ηλικιωμένων

Η διαδικασία αφορά στη χορήγηση άδειας λειτουργίας των Μονάδων Φροντίδας Ηλικιωμένων κερδοσκοπικού χαρακτήρα από φυσικά και νομικά πρόσωπα. Απευθύνεται σε επιχειρήσεις και νομικά ... Διαβάστε περισσότερα

#### <u>Τι θα χρειαστείτε</u>

- Άδεια άσκησης επαγγέλματος του υπεύθυνου ιατρού.
- Τιστοποιητικό εγγραφής στον Ιατρικό Σύλλογο του υπεύθυνου ιατρού στον τόπο λειτουργίας της επιχείρησης.
- 3. \* Υπεύθυνη δήλωση (άρθρο 8 του ν. 1599/1986) του προτεινόμενου ιατρού ότι αναλαμβάνει την επιστημονική ευθύνη της επιχείρησης.
- 4. \* Εσωτερικός κανονισμός λειτουργίας της επιχείρησης.
- 5. \* Πιστοποιητικό Πυρασφάλειας από την Πυροσβεστική Υπηρεσία.
- 6. \* Αντίγραφο της οικοδομικής άδειας θεωρημένο από το γραφείο Πολεοδομίας για την αποπεράτωση της οικοδομής.

#### Άδεια Ίδρυσης και Λειτουργίας Εργαστηρίων Φυσικοθεραπείας

Η διαδικασία αφορά στην αναγγελία έναρξης λειτουργίας εργαστηρίων φυσικοθεραπείας και απευθύνεται σε φυσικά και νομικά πρόσωπα.





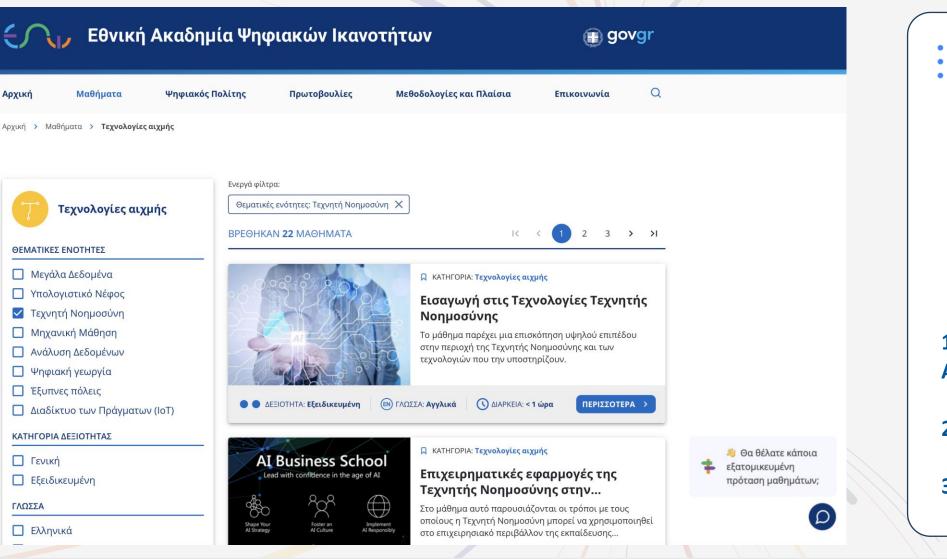
## **Training for AI**

TAIEX

WITH EU EXPERTISE

MOVING FORWARD TOGETHER







#### AI for ALL

#### **1.Basic Training in** Artificial Intelligence

2. Specialised seminars

#### **3. Practical workshops**





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25,000 parcels/day weighing up to 10kg Each robot needs 5' every 4 hours



- glossAPI (https://github.com/eellak/glossAPI)
- Transparent and human-centred integration of AI and the Large Language Models in Citizens' interaction with the Public Administration.
- Language models are deep neural networks that specialize in predicting the next word within a text sequence trained on large datasets.
- There are a few multilingual LLMs available, but most use only a small fraction of Greek data (BLOOM, Pythia) or even no Greek data at all (LLaMA).
- Models such as GPT-4 seem to perform well on Greek data, but are not open
- Mission: Open-source Greek language model "Greek OSS LLM".
- Benefits: (a) Data privacy and security, (b) Dependency and customization, (c) Cost and scalability, (d) Access and availability.







## Al and the Legislation Process



## HELLENIC PARLIAMENT

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## The Hellenic OCR Team (est. 2017)



#### **Attributes:**

ΤΔΙΕΧ

WITH FU FXPERTISE

DRWARD TOGETHER

- Scientific initiative based on crowdsourcing
- Unique and efficient
- Expert network
- Project based work
- Personal and institutional members (currently ~80) in 17 countries & 6 continents

#### **Research objectives:**

- Holistic study of parliamentary corpora
- Design & implementation of digital platforms
- Citizen's engagement with representative institutions
- Challenges & application of emerging technologies



See Fitsilis, F., & Mikros, G. (2024). Crowdsourcing the digital parliament. *The Journal of Legislative Studies*, 1-22. https://doi.org/10.1080/13572334.2024.2385123

https://hellenicOCRteam.gr



## **Contribution to AI in Lawmaking**



- Hellenic OCR Team supports European Commission
- Study on Al-assisted lawmaking (see, <u>EC study</u>, 2024, open access)
- Holistic approach: involving all stakeholders & processes
- Technologies and implementation potential for 34 smart functionalities
- Integration into real-time legislative drafting tools for inclusive and adaptive policymaking (see LEOS)



## **Development of AI guidelines**

#### Achievements:

- Hellenic OCR Team & partners drafted the first "<u>Guidelines for AI</u> <u>in Parliaments</u>" (2024, open access)
- Incorporate international best practices
- Emphasize data security and privacy in research
- Urge collaboration with tech experts to ensure adaptability
- Suggest regular audits for AI systems
- Highlight training of MPs and staff on Al literacy

#### Sections:

- Ethical principles
- Artificial General Intelligence
- Privacy and security
- Governance & oversight
- System design & operation
- Capacity building & education

## Guidelines for AI in Parliaments

#### Editors

July 2024

Fotios Fitsilis Jörn von Lucke Franklin De Vrieze









## EU Initiatives



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#### TAIEX MOVING FORWARD TOGETHER WITH EU EXPERTISE

## **EU** supported initiatives

#### **Greece's AI Factories Initiative:**

 Participation in EU AI Factories: Greece has submitted a proposal to establish an AI factory as part of the European Union's initiative to create several AI factories across member states. These factories aim to foster innovation, support startups, and scale up AI technologies by leveraging high-performance computing resources.

#### **Key Strategies and Initiatives:**

 Innovation Ecosystem: The GR digiGOV-innoHUB is working to mobilize the innovation ecosystem for AI exploitation in Greece. This includes developing AI/ML tools, facilitating collaborations with SMEs and startups, and organizing workshops to promote AI adoption across various sectors.







"Artificial Intelligence is not just a tool; it's a transformation. To unlock its potential, we must combine innovation with responsibility, education and purpose."