

# Transforming Parliaments with AI: The Role of EDIHs and Citizen Participation

#### **Alexandros Melidis**

Director, Greek Free Open Source Software Society (GFOSS), Leader WP6

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### GFOSS

NGO-NPO Founded in 2008.

37 Universities and Research Centers

Promotes openness (OSS, Opengov, Hardware, Standards, Content etc)

Public Sector, Education, Business

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## **AI in Parliaments**

Current landscape: Big Promises and Challenges

# **Big Promise (1 of 3)**

#### Transform Parliamentarians Efficiency and Productivity.

- Routine tasks automation, big data analysis, instant insights
- Streamlined processes, free staff time to solve complex tasks

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• Effective function of Parliaments for the demands of 21st century



Contact us

#### Instant quote

#### Translated signs a contract to provide EU Parliament with real-time speech translation AI

Debates will be transcribed and translated by a new state-of-the-art MT system that keeps humans in the loop.





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# **Big Challenges (1 of 3)**

#### Transform Parliamentarians Efficiency and Productivity.

- Staff "adaptation": Smooth interaction between humans and AI systems is NOT to be taken for granted
- Data Management: Selecting, Collecting, Cleaning, standardising AI ready data takes skills, time and effort.

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POLITICOPRO

#### Who killed the EU's translators?

Automation is creeping into European Union institutions - and translators are among its first victims.



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# **Big Promise (2 of 3)**

#### Transform parliamentary decision making

- Comprehensive data driven legislation
- Predictive insights for policy evaluation-implementation
- Institutional interoperability with government policy making systems

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#### zeppelin university

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#### **Top 3 Relevance of Cluster #1: Parlamentarians**



Multi-Criteria Table for Top 3 per Cluster fellenic Parliament. Sorted by Relevance Cluster #1: Parliamentarians		Rele- vance 010		Priority 31.12.20- 31.12.30			
	Item	fø	SD	Ø	SD	it.	
	(137 -) Reliable voting systems (through Al technologies) in plenary and committees	9,00	0,16	17.03.2024	0,29		
	[74] Use of text analytics	8,43	0,15	15.04.2024	0,25	2	
	[138] Smarter MP - Al-based services to support MPs in parliament and in their constituency.	8,07	0,12	31.12.2025	0,23	-	



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# **Big Challenge (2 of 3)**

#### Transform decision making in Parliaments.

- Al as "black box": How to ensure transparency and accountability?
- Al is NOT fair by default: How to train (which) data to avoid perpetuation of biases?

# **Big Promise (3 of 3)**

Transform Citizens Engagement with Parliaments.

- Easily understandable legislative texts & processes
- Novel ways to gather public input
- Increased trust

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#### **มา** innoHUB



# Big Challenge (3 of 3)

#### Transform Citizens Engagement with Parliaments.

- Remote AI: Lack of mechanisms to ensure AI apps reflect citizens concerns
- Al washing: How can Al be <u>**really**</u> implemented in Parliaments for public good?



# **O2** Role of EDIHs

GR digiGOV-innoHUB as catalyst for innovative & inclusive AI About us 🗸 Objectives Services Events Contact us Media Corner Υ Ελληνικά

해는 digiGOV 하는 innoHUB

#### The European Digital Innovation Hub for Digital Governance GR digiGOV-innoHUB started

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Objectives

Subscribe to our newsletter

# **Our Objectives**



GR digiGOV innoHUB aims to

- Support the development of a new generation of Public services, utilizing Advanced
   Digital Technologies (AI, Blockchain, mobile Internet, 5G, HPC, IoT, Cloud, etc) and based on open standards and open source solutions for citizens and businesses;
- Enrich the **ecosystem** of Digital Transformation actors, advance their **Skills** and **Synergies**, strengthen the **communities of practice**;
- Foster **innovation in Public Administration**, transforming it into a large innovation buyer and **investor**.
- Facilitating **Networking** Intra-Regional and International cooperation, and **Synergistic** activities and endorsement of **Open principles** in Governance and Digital Transformation.



# **Our Ecosystem**

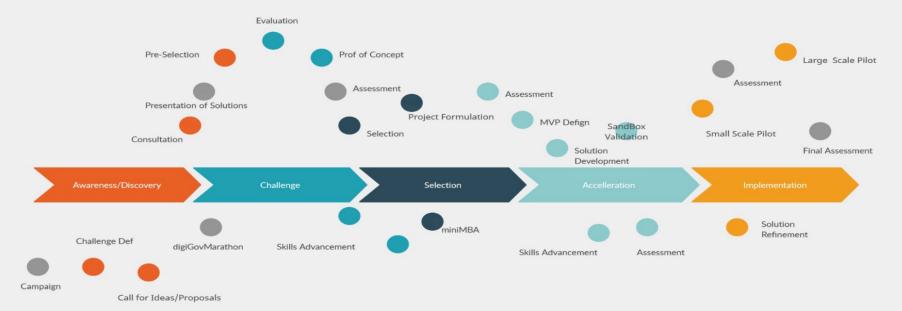




# **Project Journey**

The DigiGOV-innoHUB Project Journey

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#### Digital Maturity Assessment

Digital Maturity
 Assessment for SME/PSO

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- Project Journey Design & Digital Service Blueprint
- Follow up assessment and Validation per project



#### Test before invest (development)

- MVP Design
- TRL 5 validation
- TRL 7 development
- Design of small and midscale pilots
- MVP testing

# Access to infrastructures

Access to Infrastructure

 (AI/ML Platform, HPC core
 units, Blockchain,
 Acceleration or Pilot
 Cloud/VMs/Storage)



#### Skills

- <mark>ាំ្ដិ</mark> digiGOV innoHUB
- DigiGov Academy: Access to Open Massive Online Courses- MOOCs
- miniMBA in Digital Public Services
- Tailor made skills
- development programs

#### Investment Support

- DigiGOV Agora, virtual marketplace
- Investment Cycle-Pitching and Networking Events with Equifund/VCs
- Support for submitting to ERDF, Horizon, InvestEU, EIB.

## Networking and Internationalisati

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- Networking activities, workshops, knowledge exchange events
- Internationalisation, pitching activities



# **Pilot example**

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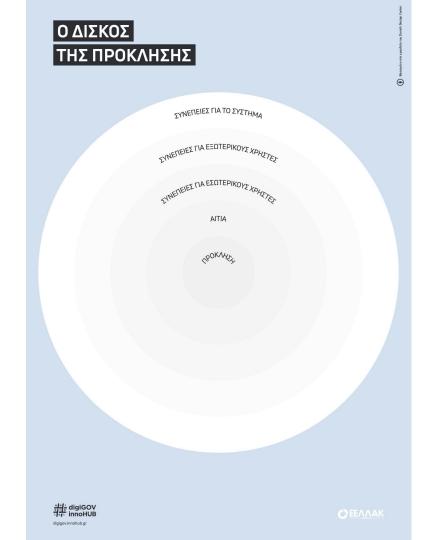
GR digiGOV-innoHUB in practice

# **Pilot cases for Hellenic Parliament**

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- Al assisted legislation drafting
- Al in public consultation processes
- AI based identification of political positions and margins for negotiation



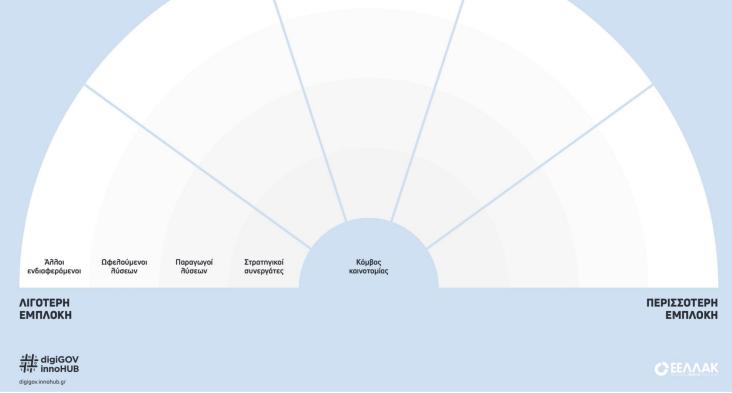
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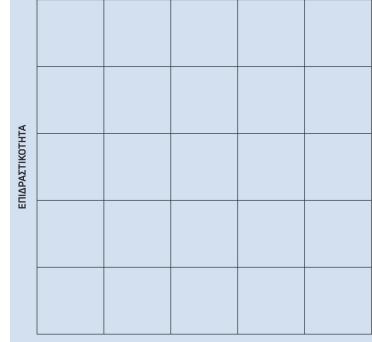
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#### ΠΡΟΤΕΡΑΙΟΠΟΙΗΣΗ ΙΔΕΩΝ



ΕΦΙΚΤΟΤΗΤΑ



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#### ΣΕΝΑΡΙΟ ΛΥΣΗΣ 5 ΒΗΜΑΤΩΝ

Ιδέα	Επιθυμητό αποτέλεσμα		Γιθανοί ωφεňούμενοι	
Βήμα 1	Βήμα 2	Βήμα 3	Βήμα 4	Βήμα 5
Ευκαιρίες-Πόροι	Ευκαιρίες-Πόροι	Ευκαιρίες-Πόροι	Ευκαιρίες-Πόροι	Ευκαιρίες-Πόροι
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digigov.innohub.gr

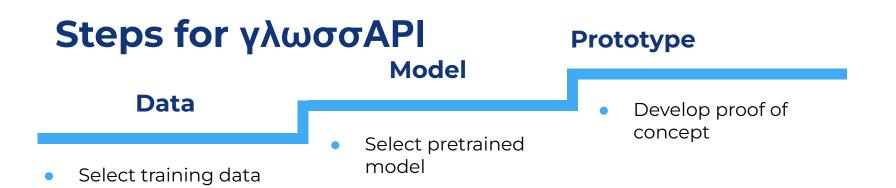


## **Next steps**

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Towards a Greek Open Source LLM







# Steps for γλωσσΑPI<br/>More dataMore trainingTraining• Develop subsets of<br/>verification data• Training in to special<br/>knowledge areas and<br/>fields





- Develop the dialogue system

# **Resources and Skills needed**

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- AI Specialists/Cognitive Science
- NLP Specialists/Computing Linguists
- Big data analysts
- Information System Specialists/Ontologies
- Sociolinguist specialists/Ethnography of Communication
- Qualitative research specialists
- Content editors

# A community driven effort





- https://lemmy.ml/c/greek\_foss
- Mailing list
- Matrix server

# Thanks

Twitter: digiGOV-innoHUBFacebook: GR digiGOV-innoHUBLinkedIn: GRdigiGOV innoHUBMastodon: GRdigiGOVinnoHUB@techhub.socialYouTube: GR digiGOV-innoHUBInstagram: gr.digigov.innohub

Email: marcomms@digigov.innohub.gr digigovinnohub.gr



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