AI4Gov

Trusted AI for Transparent Public Governance
fostering Democratic Values

Deliverable 7.3

Dissemination, Communication, Standardization Activities Report V2

<31-12-2024>

Version 2.0

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Table of Contents

List of figures

List of Tables

Abbreviations

Abbreviation	Description
AIBD&D	AI, Big Data & Democracy
CEN	European Committee for Standardisation
DoA	Description of Action
eIDAS	Electronic Identification, Authentication and Trust Services
EN	European Standard
ESO	European Standardization Organizations
HRB	Horizon Results Booster
KPI	Key Performance Indicator
MOOC	Massive Open Online Course

1 Introduction

1.1 Purpose and scope

In deliverable D7.1 *Dissemination, Communication and Standardisation Plan*[1], we developed the Dissemination, Communication and Standardization plan that will be used to raise awareness of AI4Gov's objectives, progress, and results, and to maximize the expected impact. We listed the objectives and phases of the plan and identified the target audiences and the key messages to be conveyed. We also listed the dissemination and standardisation activities, as well as the communication tools to be used.

In this document, the second of three in this series, we report on the activities carried out until the end of the second year that completes the "**Targeted dissemination**" phase, as shown in Figure 1. AI4Gov partners have been particularly active during 2024 in communication and dissemination activities, which is evident in the significant increase in the respective KPIs; several of them have already achieved the targets set for the entire duration of the project. Special mention should be made of the large number of events organized and attended by project partners, the number of publications and articles and the clustering activities. Although the "**Inform & Connect**" and "**Demonstrate & Engage**" objectives remain valid for the third year, focus will shift to the "**Showcace & Contribute**" objective with the aim to engage key stakeholders in the adoption of the project results but also contributing to standardization and policy making activities.

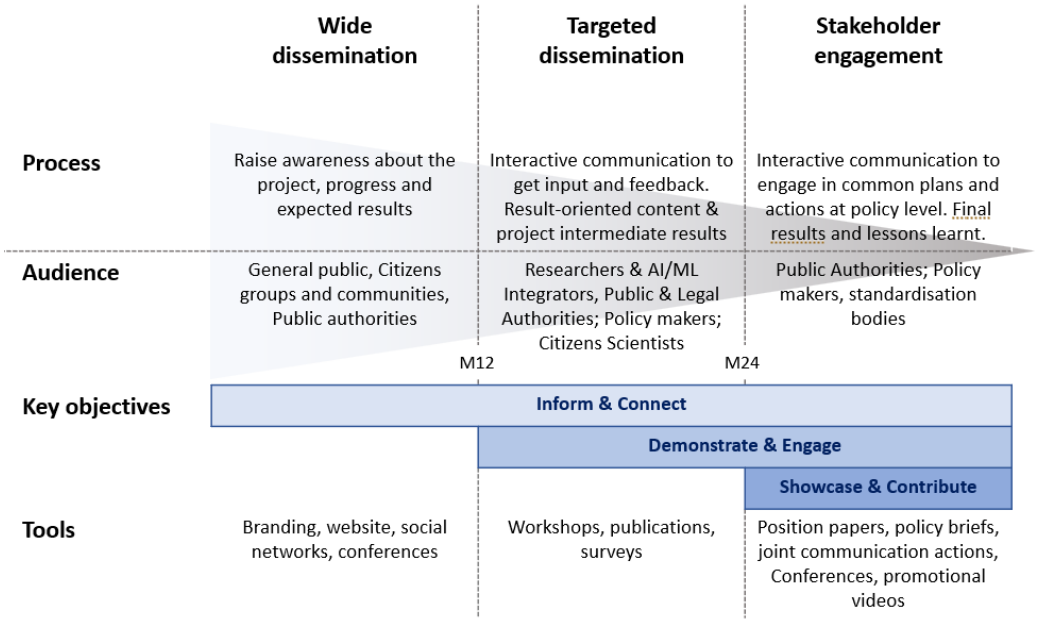

Figure 1: Dissemination phases within the project timeline

[1] Submitted in M3

1.2 Document structure

Section 2 (“Channels of communication”) reports on the activities around the AI4Gov Website and Social Media channels, along with some communication tools. Section 3 (“Means of Dissemination”) reports on the dissemination activities and section 4 (“Standardisation activities”) on the standardisation ones. Conclusions are drawn in section 5 (“Conclusions”).

1.3 Updates with respect to previous version

This document follows the exact same structure as the previous version D7.2 *Dissemination, Communication, Standardisation Activities Report V1*[2], to allow readers a direct comparison.

- All tables and figures reporting activities have been updated.
- Sub-sections 3.1.3, 3.1.4 & 3.1.5 have been added referring to flagship events organized by AI4Gov during 2024.
- Sub-sections 4.2.1 and 4.4 reporting on standardization activities have also been added.

[2] Submitted in M12

2 Channels of Communication

2.1 Website

The AI4Gov website (https://ai4gov-project.eu/) is constantly being enriched in order to directly inform the interested parties about the project's activities and also give them access to all the publicly available material.

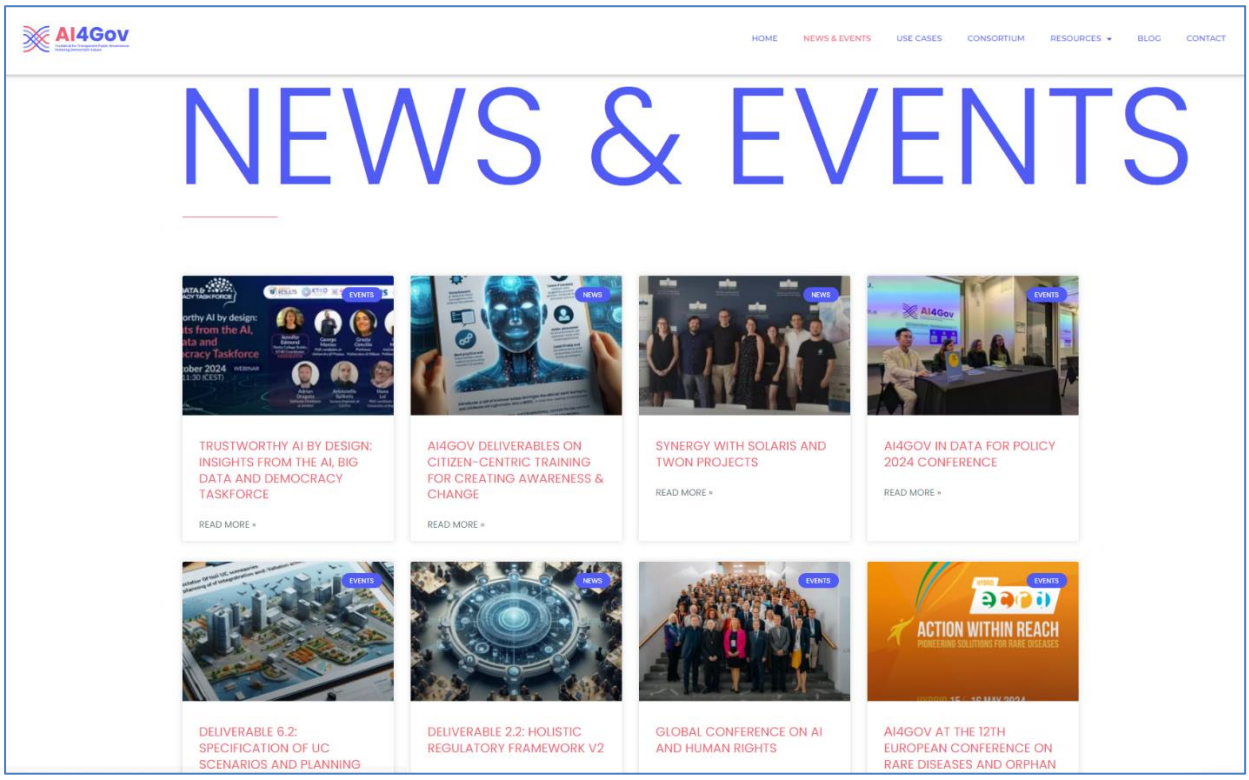

Figure 2: AI4Gov website screenshot

The following have been reported in D7.2:

- The **Home** page (https://ai4gov-project.eu/) now provides a more comprehensive overview of the project, referring to its mission, concept and methodology.
- A **Use Cases** page (https://ai4gov-project.eu/home/use-cases/) has been added with brief descriptions of the seven use cases where the AI4Gov solutions will be validated and evaluated.
- A **Blog** page (https://ai4gov-project.eu/home/blog/) has been added where project partners elaborate on selected aspects of the project on a regular basis. It is planned that all project partners develop a topic relevant to their activities, at least once during the duration of the project.

- A **Newsletter** page (https://ai4gov-project.eu/home/resources/newsletters/) has been added under the **Resources** page, providing access to the project newsletters.

In addition to the above:

- We are no longer accepting newsletter signups on the website as they are now created and published on LinkedIn. As LinkedIn is the primary social network for project communication, this proved to be the right move as it dramatically increased the number of newsletter registrants.
- A **Training & Learning** page (https://ai4gov-project.eu/home/resources/training-learning/) has been added under the **Resources** page, providing short descriptions and easy access to AI4Gov's training material, including MOOCs.

2.1.1 Website Analytics

We use Google analytics (Figure 3) to track and analyse website traffic and website visitor behaviour. Unique users exceeded 1,300 and page views reached to 4,600 with a 104% increase over 2023. The most visited subpages are shown in Table 1.

Subpage	Views
AI4Gov | Trusted AI for Transparent Public Governance	1,672
Consortium - AI4Gov	474
News & Events - AI4Gov	389
1st AI4GOV training workshop: Bias in AI	317
Use Cases - AI4Gov	209

Table 1: Website pages with more views

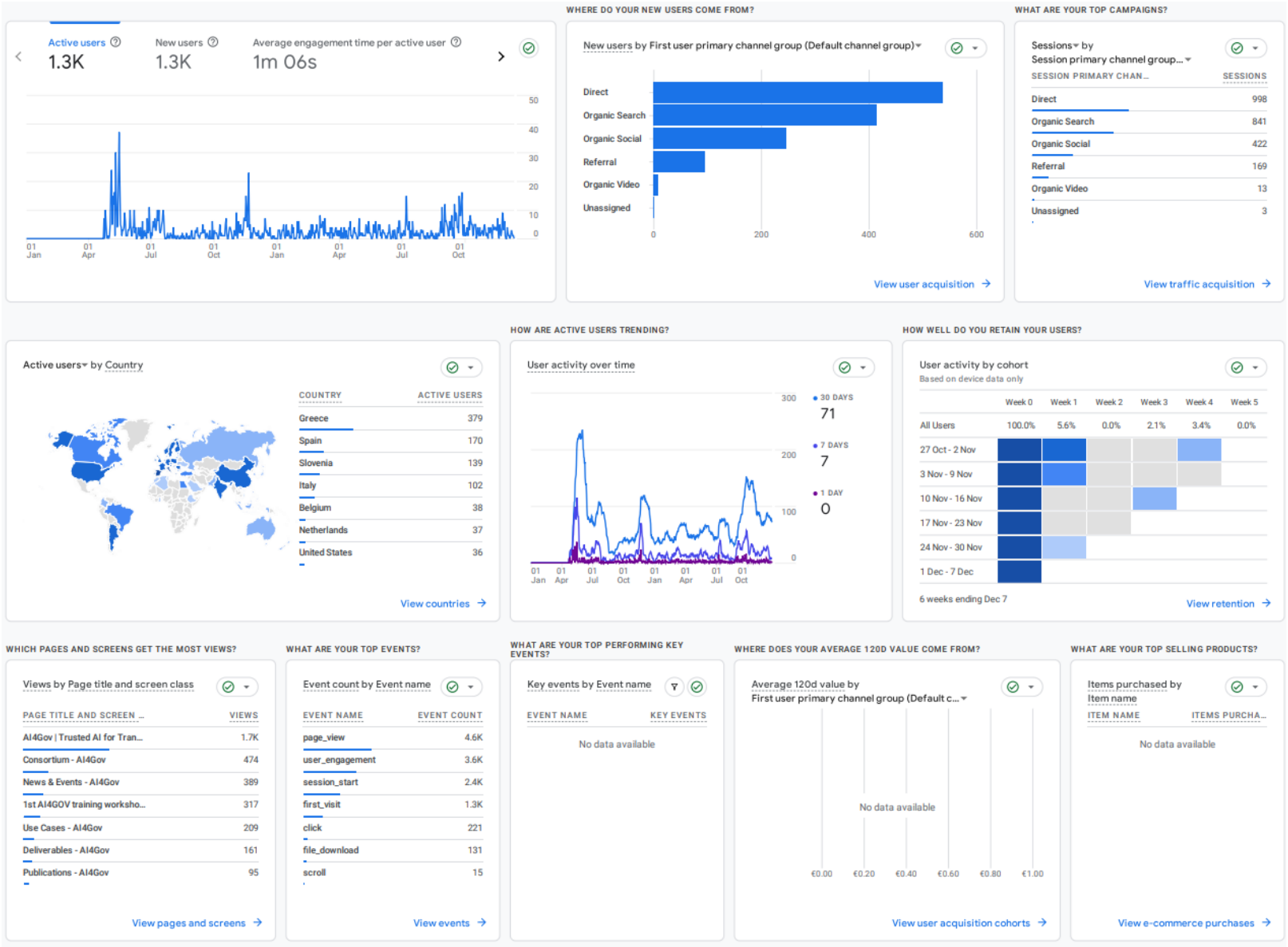

Figure 3: Google analytics

2.2 Social Media Channels

2.2.1 LinkedIn

LinkedIn is our main social media channel. The AI4Gov LinkedIn page (https://www.linkedin.com/company/ai4gov-project/) follows the same look and has the same core messaging as the website (Figure 4).

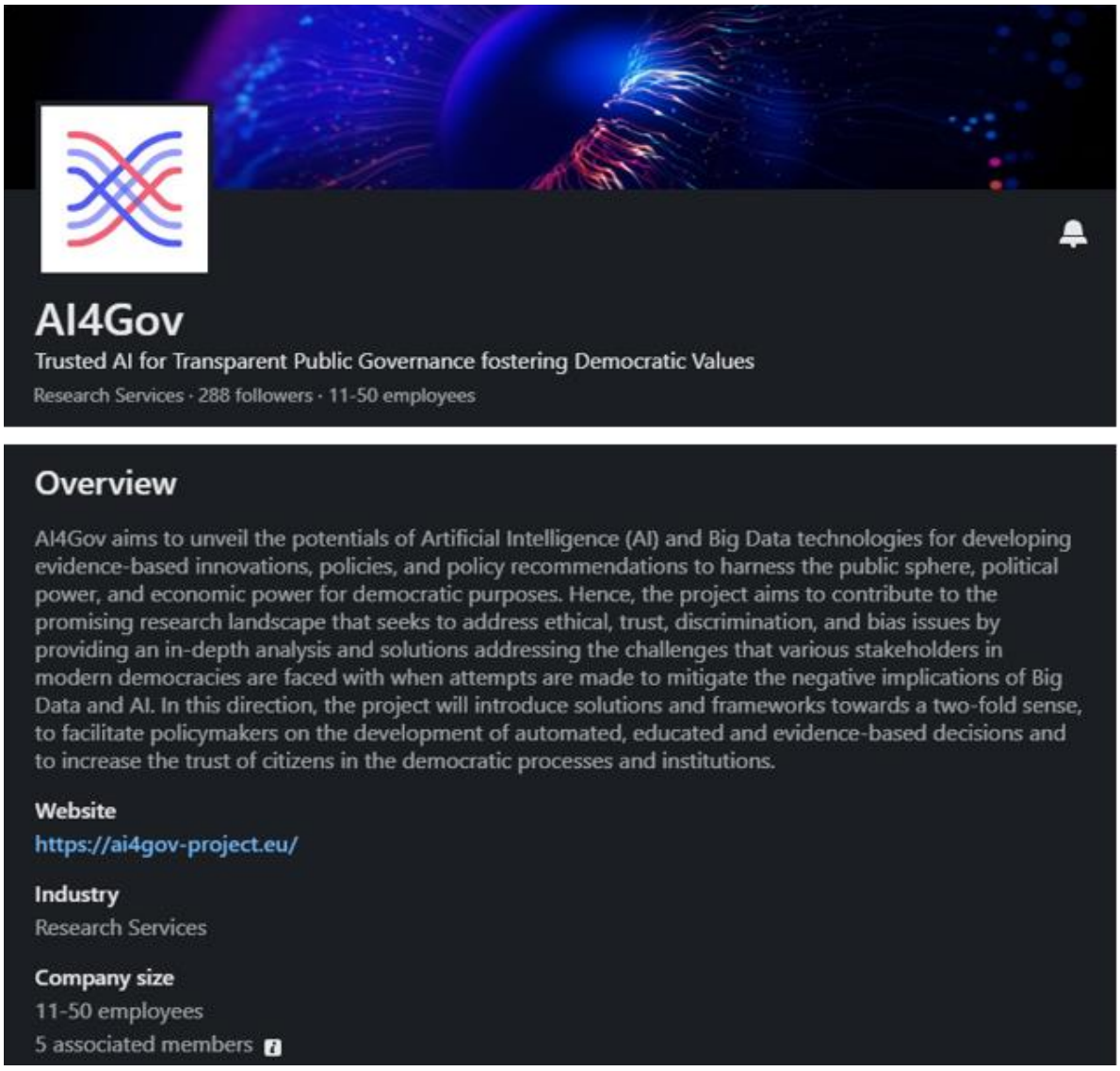

Figure 4: AI4Gov LinkedIn page

We are continuously informing the community trying to maintain a balance, sharing only events or information worth highlighting. We follow the practice of publishing content on the website first and then posting a short description on LinkedIn, referring the reader back to the website.

Depending on the post, we make use of the following tags: ***#aibias, #ai, #artificialintelligence, #aipolicy, #bias, #democracy, #policyresearch, #policymaking, #education, #aieducation, #aigovernance, #governance, #AIAct.***

2.2.1.1 LinkedIn analytics

At the end of the second year, we reached nearly 100 posts on LinkedIn, as in Tables 2 and 4, not including reposts of third-party posts. These posts have in total: 347 Reposts, 1,342 Likes, 1,631 Clicks and 37,012 impressions. Currently, our LinkedIn page has 647 followers, a 115% increase over 2023.

Year	Followers	Posts	Reposts	Likes	Clicks	Impressions
2023	301	26	119	562	361	10,742
2024	647	99	347	1,342	1,631	37,012
2025	-	-	-	-	-	-

Table 2: LinkedIn analytics

2.2.2 X (former Twitter)

The same principles as for LinkedIn were applied also for X, where AI4Gov is also present (https://twitter.com/ai4gov_project), although we recognize that due to recent changes, its importance in terms of the communication of the project is subordinate to that of LinkedIn. Regardless, we take care like any news/events that are published in LinkedIn to be published immediately after on X as well.

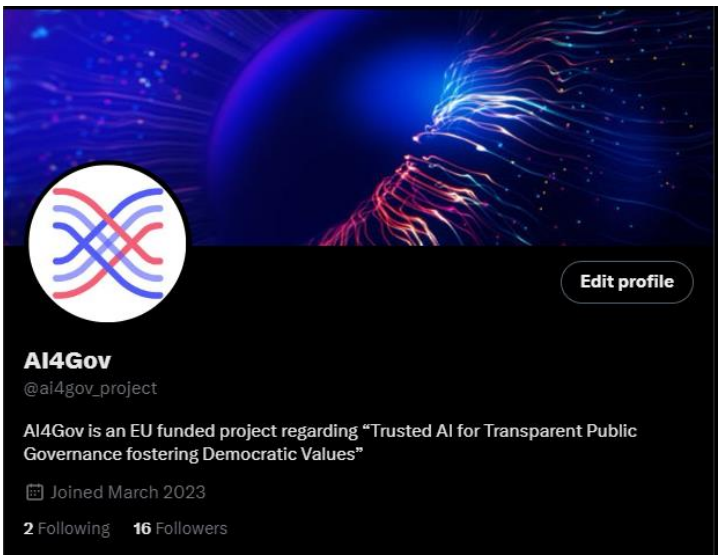

Figure 5: AI4Gov X page

Depending on the post, we make use of the following tags: ***#AI, #ArtificialIntelligence, #AI4Gov, #policy, #governance, #democracy, #education, #bias, #BLOCKCHAIN.***

2.2.2.1 X analytics

At the end of the second year, we reached a total of 54 posts on X as reported in Tables 3 and 5. These posts have in total: 3, 475 views and 44 reposts. Currently, our X account has 52 followers.

Year	Followers	Posts	Reposts	Views
2023	16	16	6	384
2024	52	38	44	3,475
2025	-	-	-	-

Table 3: Twitter analytics

2.2.3 YouTube

The YouTube channel shown in Figure 6 (https://www.youtube.com/@AI4GovProject) is the latest of AI4Gov's social media channels and it was first created to host the videos from the 1st training workshop organized in Ljubljana, Slovenia, in October 2023.

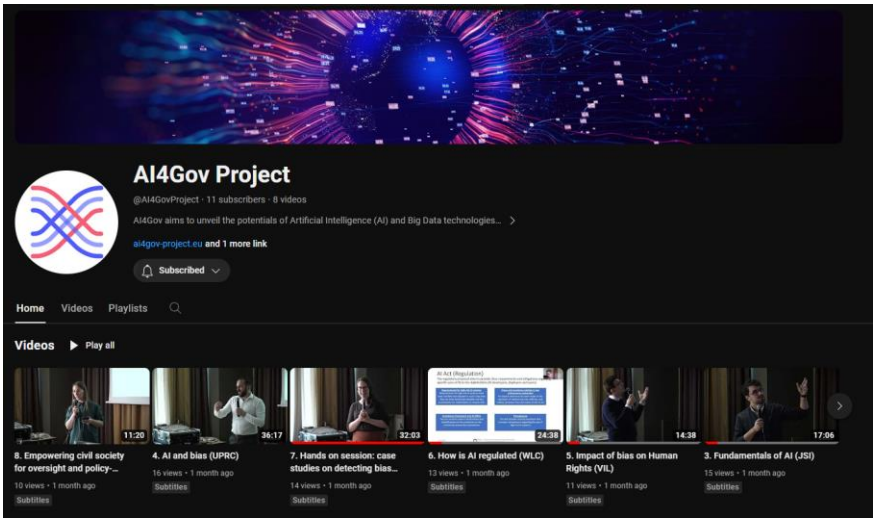

Figure 6: AI4Gov YouTube page

2.2.3.1 YouTube analytics

Currently, the YouTube channel hosts 18 videos, from the:

- 1st AI4Gov training workshop: “Bias in AI”
- 2nd AI4Gov training workshop & 1st discussion panel: Trusted AI for Transparent Public Governance
- Deep-dive workshop organized by the AI, Big Data, and Democracy taskforce as part of the AI UK Fringe event
- ‘Trustworthy AI by design’ webinar, organized by the AI, Big Data, and Democracy Task Force, with the support of the Horizon Results Booster service.
- 1st AI4Gov Open Day, that was live-streamed on YouTube

Currently, the AI4Gov channel has 73 subscribers and 824 video views.

Table 4: List of LinkedIn posts

#	Description	Partner	Target audience	Link
	2023			
1	UBITECH participates at the kick-off meeting of the AI4Gov Innovation Action on trusted AI for transparent public governance	UBI	General Public	https://www.linkedin.com/posts/ubitech_ubitech-participates-at-the-kick-off-meeting-activity-7051192215368327168-R1zH?utm_source=share&utm_medium=member_desktop
2	AI4Gov KICK-OFF MEETING	MAG	General Public	https://www.linkedin.com/feed/update/urn:li:activity:7056205139929366529/
3	Upcoming 1st AI4GOV Training Workshop: Bias In AI	JSI	General Public	https://www.linkedin.com/feed/update/urn:li:activity:7059886287507324928
4	1ST AI4GOV TRAINING WORKSHOP: BIAS IN AI	JSI	General Public	https://www.linkedin.com/feed/update/urn:li:activity:7067075256028454912
5	Deliverable 2.1: AI4Gov Holistic Regulatory Framework V1	VIL	General Public	https://www.linkedin.com/feed/update/urn:li:activity:7084533164630564864
6	AI4Gov Project Presents At The TI-2023 Workshop	VIL	Researchers and AI/ML integrators	https://www.linkedin.com/feed/update/urn:li:activity:7085163409704431616
7	Deliverable 6.1: Specification Of UC Scenarios And Planning Of Integration And Validation Activities V1	VIL	General Public	https://www.linkedin.com/feed/update/urn:li:activity:7086667426603442177
8	Consolidated Working Draft Of The Framework Convention On Artificial Intelligence, Human Rights, Democracy And The Rule Of Law	WLC	Legal/Ethical authorities	https://www.linkedin.com/feed/update/urn:li:activity:7090706463026786304
9	Learning Material From 1st AI4Gov Training Workshop	JSI	General Public	https://www.linkedin.com/feed/update/urn:li:activity:7102576096381984769
10	AI4Gov Presented At University Of Brasilia, Brazil	JSI	General Public	https://www.linkedin.com/feed/update/urn:li:activity:7105129251732881408
11	Upcoming 1st newsletter	MAG	General Public	https://www.linkedin.com/feed/update/urn:li:activity:7108090422958129152
12	AI4Gov Presented In A Workshop On Citizens´ Participation In Local Governance	SIE	Citizens, Political Scientists and Civil Society	https://www.linkedin.com/feed/update/urn:li:activity:7113431478813831168
13	AI4Gov – Fostering Democratic Values Through The Utilization Of AI And Blockchain (UPRC)	UPRC	General Public	https://www.linkedin.com/feed/update/urn:li:activity:7115330464747274240
14	YouTube channel	MAG	General Public	https://www.linkedin.com/feed/update/urn:li:activity:7120327723431923712

15	DELIVERABLE D2.3: REFERENCE ARCHITECTURE AND INTEGRATION OF AI4Gov PLATFORM V1	UPRC	General Public	https://www.linkedin.com/posts/ai4gov-project_deliverable-d23-reference-architecture-activity-7126203323677876225-5dDq?utm_source=share&utm_medium=member_desktop
16	1st AI4Gov publication	MAG	Researchers and AI/ML integrators	https://www.linkedin.com/feed/update/urn:li:activity:7127612620727042048
17	3rd plenary meeting - Limassol	MAG	General Public	https://www.linkedin.com/feed/update/urn:li:activity:7128070492808167424
18	1st Newsletter	MAG	General Public	https://www.linkedin.com/feed/update/urn:li:activity:7128370220011765760
19	Repost of KT4D post on cluster activities	MAG	General Public	https://www.linkedin.com/feed/update/urn:li:activity:7129800360147206146
20	SEEDA-CECNSM 2023 conference	MAG	Researchers and AI/ML integrators	https://www.linkedin.com/feed/update/urn:li:activity:7130108773628542976
21	Leveraging Self-Sovereign Identity And European Blockchain Services Infrastructure For Transparency In AI	UBI	Researchers and AI/ML integrators	https://www.linkedin.com/feed/update/urn:li:activity:7130231169744338944
22	Upcoming 1st panel discussion - educational workshop	AUTH	Public authorities	https://www.linkedin.com/feed/update/urn:li:activity:7130241995511332864
23	Post by George Kotlidas on 1st panel discussion		General Public	https://www.linkedin.com/feed/update/urn:li:activity:7132747699333832705?updateEntityUrn=urn%3Ali%3Afs_feedUpdate%3A%28V2%2Curn%3Ali%3Aactivity%3A7132747699333832705%29
24	Deliverable 3.1: Decentralized Data Governance, Provenance And Reliability V1	UBI	Researchers and AI/ML integrators	https://www.linkedin.com/feed/update/urn:li:activity:7133387541025599491
25	Post by MAG on 1st panel discussion	MAG	General Public	https://www.linkedin.com/posts/gruppo-maggioli_ai4govorganized-on-november-21-two-panel-activity-7133426783210602496-92Hg?utm_source=share&utm_medium=member_desktop
26	Holistic Regulatory Framework: AI4Gov's Tool For Ethical And Democratic AI	VIL	General Public	https://www.linkedin.com/feed/update/urn:li:activity:7141349839816085504
	2024			
27	Παρουσιάσεις Ημερίδας "Αξιόπιστη Τεχνητή Νοημοσύνη Για Διαφανή Δημόσια Διακυβέρνηση"	AUTH	General Public	https://www.linkedin.com/feed/update/urn:li:activity:7148640505348743169
28	Deliverable D4.3: Policies Visualization Services V1	UPRC	Researchers and AI/ML integrators	https://www.linkedin.com/posts/sotiris-athanassopoulos-1785906_deliverable-d43-policies-visualization-activity-7152566209018765312-OpYt?utm_source=share&utm_medium=member_desktop
29	WOULD YOU TRUST A LARGE LANGUAGE MODEL TO HELP EXPLAIN INSTITUTIONAL PROCESSES?	IBM	Researchers and AI/ML integrators	https://www.linkedin.com/feed/update/urn:li:activity:7158831939175489537
30	KT4D webinar (repost with AI4Gov comments)	MAG	General Public	https://www.linkedin.com/feed/update/urn:li:activity:7163883699116097536

31	Post from WLC for AI4Gov (Gender & ethical management - session 1)	WLC	General Public	https://www.linkedin.com/posts/white-label-consultancy_ai4gov-gender-and-ethical-management-activity-7160972098352357376-QxQ5?utm_source=share&utm_medium=member_desktop
32	AI, Big Data And Democracy – AI UK Fringe Event (upcoming)	MAG	General Public	https://www.linkedin.com/feed/update/urn:li:activity:7170363937262092289
33	Recordings of AI, Big Data And Democracy – AI UK Fringe Event	MAG	General Public	https://www.linkedin.com/feed/update/urn:li:activity:7172887696049094656
34	Unleashing The Potential Of AI: EU AI Act And Its Policy Implications	SIE	Policy makers	https://www.linkedin.com/feed/update/urn:li:activity:7176578101013868544
35	2nd Newsletter	MAG	General Public	https://www.linkedin.com/feed/update/urn:li:activity:7184110139795288065
36	Post from WLC for AI4Gov (Gender & ethical management - session 2)	WLC	General Public	https://www.linkedin.com/posts/white-label-consultancy_regulatory-approaches-to-ai-in-different-activity-7183753393159491584-JTHX?utm_source=share&utm_medium=member_desktop
37	JSI internal workshop: Gender dimension in STEM research	JSI	Researchers and AI/ML integrators	https://www.linkedin.com/feed/update/urn:li:activity:7186008911810854912
38	Repost with comments, of WLC's post from 11/4/2024	MAG	General Public	https://www.linkedin.com/feed/update/urn:li:activity:7186719061752365056
39	10th Privacy days	JSI	General Public	https://www.linkedin.com/posts/tanjaz_bias-ai-research-activity-7187010548322942978-YHKb?utm_source=share&utm_medium=member_desktop
40	Introduction to EU AI Act	WLC	General Public	https://www.linkedin.com/feed/update/urn:li:activity:7188841981341552640
41	Introduction to EU AI Act (repost with comments for AI4Gov)	WLC	General Public	https://www.linkedin.com/posts/white-label-consultancy_ai-artificialintelligence-ai4gov-activity-7189137305025077248-1By_?utm_source=share&utm_medium=member_desktop
42	MOOC1	JSI	General Public	https://www.linkedin.com/feed/update/urn:li:activity:7189584545246035968
43	MAG's (Italy) post on AI4Gov	MAG	General Public	https://www.linkedin.com/posts/gruppo-maggioli_ai-pubblica-amministrazione-progetto-ai4gov-activity-7194618698257575937-VTeD?utm_source=share&utm_medium=member_desktop
44	10th Privacy days	JSI	General Public	https://www.linkedin.com/feed/update/urn:li:activity:7200810090986192898
45	12th European Conference on Rare Diseases and Orphan Products	JSI	General Public	https://www.linkedin.com/posts/ai4gov-project_%CE%B1%CE%B94gov-at-the-12th-european-conference-on-activity-7201216161873555456-HXI0?utm_source=share&utm_medium=member_desktop
46	Global conference on AI and human rights in Ljubljana (post by JSI)	JSI	General Public	https://www.linkedin.com/posts/tanjaz_ai4gov-bias-ai-activity-7207070861130948608-ImO0?utm_source=share&utm_medium=member_desktop

47	Post on upcoming data for Policy CIC	JSI	General Public	https://www.linkedin.com/posts/tanjaz_conference-sessions-announcement-6-registration-activity-7210904772416045056-Zjll?utm_source=share&utm_medium=member_desktop
48	Post from SOLARIS project mentioning synergies with AI4Gov		General Public	https://www.linkedin.com/posts/solaris-eu-project_researchcollaboration-research-activity-7211290791833436160-jFYh?utm_source=share&utm_medium=member_desktop
49	Tackling The Importance Of Informal Learning And Open Education In AI4Gov Project	JSI	General Public	https://www.linkedin.com/posts/ai4gov-project_tackling-the-importance-of-informal-learning-activity-7212427537317019650-H8u-?utm_source=share&utm_medium=member_desktop
50	Global conference on AI and Human Rights	JSI	Researchers and AI/ML integrators	https://www.linkedin.com/posts/ai4gov-project_global-conference-on-ai-and-human-rights-activity-7217108190314786816-J6R2?utm_source=share&utm_medium=member_desktop
51	Deliverable 2.2: Holistic Regulatory Framework V2	VIL	General Public	https://www.linkedin.com/posts/ai4gov-project_deliverable-22-holistic-regulatory-framework-activity-7218990047969042432-cKZ0?utm_source=share&utm_medium=member_desktop
52	Towards a Benchmark for causal business process reasoning with LLMs	IBM	Researchers and AI/ML integrators	https://www.linkedin.com/posts/limonad_towards-a-benchmark-for-causal-business-process-activity-7219247060896612352-KxOO?utm_source=share&utm_medium=member_desktop
53	Deliverable 6.2: Specification Of UC Scenarios And Planning Of Integration And Validation Activities V2	VIL	General Public	https://www.linkedin.com/feed/update/urn:li:activity:7220066297110306816
54	How can traditional biases impact the rights and values of vulnerable citizens? Insights from the AI4Gov study	VIL	Public authorities	https://www.linkedin.com/feed/update/urn:li:activity:7224406678190886912
55	MT & VVV internal workshop	MT	General Public	https://www.linkedin.com/posts/municipality-vari-voula-vouliagmeni-aa5974136_home-activity-7224683529794727936-ijiv?utm_source=share&utm_medium=member_desktop
56	ATM Grupo Maggioli partner del proyecto AI4Gov	ATM	General Public	https://www.linkedin.com/posts/atm-grupo-maggioli_ai4gov-activity-7224685309702119424-PJrM?utm_source=share&utm_medium=member_desktop
57	AI4Gov in Data for Policy 2024 conference	JSI	General Public	https://www.linkedin.com/feed/update/urn:li:activity:7225129973873840128
58	AI4Gov Open Day	MAG	General Public	https://www.linkedin.com/posts/ai4gov-project_ai-artificialintelligence-ai4gov-activity-7238912658677129218-ypoC?utm_source=share&utm_medium=member_desktop
59	AI4Gov Open Day	ATM	General Public	https://www.linkedin.com/posts/atm-grupo-maggioli_atmgrupomaggioli-grupomaggioli-ai4gov-activity-7238939274736218112-GTrp?utm_source=share&utm_medium=member_desktop
60	AI4Gov Open Day (Maggioli Italy)	MAG	General Public	https://www.linkedin.com/posts/gruppo-maggioli_ai-artificialintelligence-ai4gov-activity-7239289431541645312-CSgE?utm_source=share&utm_medium=member_desktop

61	AI4Gov Open Day	KT4D	General Public	https://www.linkedin.com/feed/update/urn:li:activity:7239649698838384641/
62	AI4Gov Open Day	ITHACA	General Public	https://www.linkedin.com/posts/ithaca-project_ai-artificialintelligence-ai4gov-activity-7239939088827527171-8qGF/?utm_source=share&utm_medium=member_desktop
63	AI4Gov Open Day	DPB	General Public	https://www.linkedin.com/posts/fiwarespace_ai4gov-open-day-activity-7239913256696336384-Mkw7?utm_source=share&utm_medium=member_desktop
64	AI4Gov Open Day (agenda)	MAG	General Public	https://www.linkedin.com/posts/ai4gov-project_open-day-ai4gov-agenda-activity-7241728406495612929-bNeO?utm_source=share&utm_medium=member_desktop
65	AI4Gov Open Day	ATM	General Public	https://www.linkedin.com/posts/atm-grupo-maggioli_open-day-2709-ai4gov-activity-7242925491580522496-N5n0?utm_source=share&utm_medium=member_desktop
66	Trustworthy AI by design (KT4D)		General Public	https://www.linkedin.com/posts/kt4democracy_democracy-ai-bigdata-activity-7241788450738171904-JW77?utm_source=share&utm_medium=member_desktop
67	Trustworthy AI by design (Trust-IT)		General Public	https://www.linkedin.com/posts/trust-it-services_democracy-ai-bigdata-activity-7244976443049275393-m3iG?utm_source=share&utm_medium=member_desktop
68	Trustworthy AI by design (Net4Society)		General Public	https://www.linkedin.com/posts/net4society_trustworthy-ai-by-design-insights-from-the-activity-7243922236779171840-Yqp6?utm_source=share&utm_medium=member_desktop
69	Trustworthy AI by design (Konnectable Technologies Ltd.)		General Public	https://www.linkedin.com/posts/konnektable-technologies-ltd_ai-bigdata-democracy-activity-7244324650380349440-VDF8?utm_source=share&utm_medium=member_desktop
70	Trustworthy AI by design (MNLT Innovations PC)		General Public	https://www.linkedin.com/posts/mnlt_aibigdatademocracytaskforce-video-activity-7243976738420998145-REc2?utm_source=share&utm_medium=member_desktop
71	AI4Gov 5th GA	ATM	General Public	https://www.linkedin.com/posts/atm-grupo-maggioli_atmgrupomaggioli-ai4gov-evento-activity-7245076831253544960-yUEr?utm_source=share&utm_medium=member_desktop
72	AI4Gov Open Day	MAG	General Public	https://www.linkedin.com/posts/ai4gov-project_ai-artificialintelligence-ai4gov-activity-7245326558247174146-gyXM?utm_source=share&utm_medium=member_desktop
73	AI4Gov Open Day (Rythmisis)		General Public	https://www.linkedin.com/posts/oraiozilikoutsoupia_ai4gov-madrid-aiapplications-activity-7245431862339268618-7nMZ?utm_source=share&utm_medium=member_desktop
74	AI4Gov Open Day (Rythmisis)		General Public	https://www.linkedin.com/posts/georgios-kotlidas-9b504319b_ethicsboard-ai4gov-ai-activity-7245419291603288064-6ul2?utm_source=share&utm_medium=member_desktop

75	AI4Gov Open Day	JSI	General Public	https://www.linkedin.com/posts/alenkagucek_ai-bias-biasdetection-activity-7245336140986146816-SAXH?utm_source=share&utm_medium=member_desktop
76	Trustworthy AI by design	MAG	General Public	https://www.linkedin.com/posts/ai4gov-project_ai-artificialintelligence-ai4gov-activity-7246497311487410176-NIaR?utm_source=share&utm_medium=member_desktop
77	Trustworthy AI by design (HYPER AI project)	HYPER AI	General Public	https://www.linkedin.com/posts/hyper-ai-project_democracy-ai-bigdata-activity-7246493742906449920-qdim?utm_source=share&utm_medium=member_desktop
78	Trustworthy AI by design (Dipartimento di Design)	HYPER AI	General Public	https://www.linkedin.com/posts/design-polimi_ai-bigdata-democracy-activity-7246454942566170624-T5Cb?utm_source=share&utm_medium=member_desktop
79	Trustworthy AI by design	MAG	General Public	https://www.linkedin.com/posts/ai4gov-project_ai-artificialintelligence-ai4gov-activity-7247243514592301056-zUUw?utm_source=share&utm_medium=member_desktop
80	Trustworthy AI by design (KT4D)		General Public	https://www.linkedin.com/posts/kt4democracy_webinar-trustworthy-ai-activity-7246816843221331969-ciMr?utm_source=share&utm_medium=member_desktop
81	Trustworthy AI by design (ORBIS)		General Public	https://www.linkedin.com/posts/ilaria-mariani-7078a213_webinar-trustworthy-ai-activity-7246955851247177729-HcYh?utm_source=share&utm_medium=member_desktop
82	12ο Πανελλήνιο Συνέδριο Ανάλυσης Δεδομένων	AUTH	Researchers and AI/ML integrators	https://www.linkedin.com/posts/ai4gov-project_join-our-cloud-hd-video-meeting-activity-7247550493227425794-i2dL?utm_source=share&utm_medium=member_desktop
83	AI4Gov Open Day	WLC	General Public	https://www.linkedin.com/posts/silvinapezzetta_ai4gov-is-an-eu-funded-project-to-promote-activity-7247529324772229121-6Vao?utm_source=share&utm_medium=member_desktop
84	Trustworthy AI by design	ATM	General Public	https://www.linkedin.com/posts/atm-grupo-maggioli_atmgrupomaggioli-grupomaggioli-ai4gov-activity-7247636521598500865-gCsw?utm_source=share&utm_medium=member_desktop
85	Trustworthy AI by design (KT4D)		General Public	https://www.linkedin.com/posts/kt4democracy_ai-europe-bigdata-activity-7247893264891056128-tiO6?utm_source=share&utm_medium=member_desktop
86	AI4Gov Open Day (ITHACA)		General Public	https://www.linkedin.com/posts/ithaca-project_ai4gov-kt4democracy-ithacaproject-activity-7248244279364501505-d5Hm?utm_source=share&utm_medium=member_desktop
87	AI4Gov Open Day (VIVE-MAIS project)		General Public	https://www.linkedin.com/posts/fundacionintras_inteligenciaartificial-activity-7245711359311532032-ZiYA?utm_source=share&utm_medium=member_desktop
88	AI4Gov Open Day (VIVE-MAIS project)	MAG	General Public	https://www.linkedin.com/feed/update/urn:li:activity:7249678797527011329

89	L'AI al fianco della pubblica amministrazione (MAG Italy)	MAG	General Public	https://www.linkedin.com/posts/gruppo-maggioli_ai-pubblicaamministrazione-trasformazionedigitale-activity-7249691755988602880-SlhY?utm_source=share&utm_medium=member_desktop
90	Training & Learning	JSI	General Public	https://www.linkedin.com/posts/ai4gov-project_training-learning-activity-7256914601869516801-T4f7?utm_source=share&utm_medium=member_desktop
91	Responsible AI: Balancing Innovation and Ethics	Bay-Slo Gesellschaft	General Public	https://www.linkedin.com/posts/bay-slo-gesellschaft-504b552b2_join-us-for-the-first-event-in-our-innovation-focused-activity-7262429244960526336--YQ-?utm_source=share&utm_medium=member_desktop
92	AI4Gov at the GenAI Summit	MAG	General Public	https://www.linkedin.com/feed/update/urn:li:activity:7262798440751878144
93	Ο Δήμος Βάρης Βούλας Βουλιαγμένης στην Ανοιχτή Ημέρα για την Τεχνητή Νοημοσύνη του ευρωπαϊκού έργου AI4GOV στη Μαδρίτη	VVV	General Public	https://www.linkedin.com/feed/update/urn:li:share:7263213821421346816/
94	Trustworthy AI by design (KT4D) - Insights from the AI, Big Data and Democracy Taskforce	MAG	General Public	https://www.linkedin.com/posts/ai4gov-project_trustworthy-ai-by-design-webinar-post-report-activity-7264224065647738880-iaAm?utm_source=share&utm_medium=member_desktop
95	GenAI Summit SE Europe (Hara's post)	MAG	General Public	https://www.linkedin.com/posts/hstefanou_genaisummit-horizoneurope-ai-activity-7264647126763118592-urDD?utm_source=share&utm_medium=member_desktop
96	GenAI Summit SE Europe	MAG	General Public	https://www.linkedin.com/feed/update/urn:li:activity:7264999604474040320
97	Decentralized Data Governance, Provenance and Reliability V3	UBI	General Public	https://www.linkedin.com/posts/ai4gov-project_decentralized-data-governance-provenance-activity-7265257642099400704-yDkQ?utm_source=share&utm_medium=member_desktop
98	Responsible AI: Balancing Innovation and Ethics	JSI	General Public	https://www.linkedin.com/feed/update/urn:li:activity:7265658707865186305
99	Public Authorities: What Role in the AI Act?	AUTH	General Public	https://www.linkedin.com/posts/ai4gov-project_public-authorities-what-role-in-the-ai-act-activity-7267170534155591682-Yrc3?utm_source=share&utm_medium=member_desktop

Table 5: List of X posts

#	Description	Partner	Target audience	Link
	2023			
1	Upcoming 1st AI4GOV Training Workshop: Bias In AI	JSI	General Public	https://x.com/ai4gov_project/status/1655538569778167808?s=20
2	1st AI4GOV Training Workshop: Bias In AI (happening)	JSI	General Public	https://x.com/ai4gov_project/status/1658463478187798529?s=20
3	Deliverable 6.1: Specification Of UC Scenarios And Planning Of Integration And Validation Activities V1	VIL	General Public	https://x.com/ai4gov_project/status/1680934895860711425?s=20
4	Upcoming 1st newsletter	MAG	General Public	https://x.com/ai4gov_project/status/1702333336738558153?s=20
5	AI4Gov Presented In A Workshop On Citizens´ Participation In Local Governance	SIE	Citizens, Political Scientists and Civil Society	https://twitter.com/ai4gov_project/status/1707676755207528780
6	AI4Gov – Fostering Democratic Values Through The Utilization Of AI And Blockchain (UPRC)	UPRC	General Public	https://x.com/ai4gov_project/status/1711686262321566113?s=20
7	YouTube channel	MAG	General Public	https://x.com/ai4gov_project/status/1714564985207115926?s=20
8	DELIVERABLE D2.3: REFERENCE ARCHITECTURE AND INTEGRATION OF AI4Gov PLATFORM V3	UPRC	General Public	https://x.com/ai4gov_project/status/1720439083518898556?s=20
9	1st AI4Gov publication	MAG	Researchers and AI/ML integrators	https://x.com/ai4gov_project/status/1721854978061389992?s=20
10	3rd plenary meeting - Limassol	MAG	General Public	https://x.com/ai4gov_project/status/1722313018434863280?s=20
11	1st Newsletter	MAG	General Public	https://x.com/ai4gov_project/status/1722605563891372387?s=20
12	SEEDA-CECNSM 2023 conference	MAG	Researchers and AI/ML integrators	https://x.com/ai4gov_project/status/1724348620944675029?s=20
13	Leveraging Self-Sovereign Identity And European Blockchain Services Infrastructure For Transparency In AI	UBI	Researchers and AI/ML integrators	https://x.com/ai4gov_project/status/1724731708111528074?s=20
14	Upcoming 1st panel discussion - educational workshop	AUTH	Public authorities	https://x.com/ai4gov_project/status/1724734207203704871?s=20
15	Deliverable 3.1: Decentralized Data Governance, Provenance And Reliability V1	UBI	General Public	https://x.com/ai4gov_project/status/1727623873359757611?s=20
16	Holistic Regulatory Framework: AI4Gov's Tool For Ethical And Democratic AI	VIL	General Public	https://x.com/ai4gov_project/status/1735589393249780043?s=20

	2024			
17	Παρουσιάσεις Ημερίδας "Αξιόπιστη Τεχνητή Νοημοσύνη Για Διαφανή Δημόσια Διακυβέρνηση"	AUTH	General Public	https://x.com/ai4gov_project/status/1742878097022534014?s=20
18	Deliverable D4.3: Policies Visualization Services V1	UPRC	Researchers and AI/ML integrators	https://x.com/ai4gov_project/status/1746806486901109242?s=20
19	WOULD YOU TRUST A LARGE LANGUAGE MODEL TO HELP EXPLAIN INSTITUTIONAL PROCESSES?	IBM	Researchers and AI/ML integrators	https://x.com/ai4gov_project/status/1753078453140873544?s=20
20	Recordings of AI, Big Data And Democracy – AI UK Fringe Event	MAG	General Public	https://x.com/ai4gov_project/status/1767126648690766157?s=20
21	Unleashing The Potential Of AI: EU AI Act And Its Policy Implications	SIE	Policy makers	https://x.com/ai4gov_project/status/1770818002474135561
22	2nd Newsletter	MAG	General Public	https://x.com/ai4gov_project/status/1778365188955083215
23	JSI internal workshop: Gender dimension in STEM research	JSI	Researchers and AI/ML integrators	https://x.com/ai4gov_project/status/1780246093831209359
24	10th Privacy days	MAG	General Public	https://x.com/ai4gov_project/status/1781255835579994498
25	Introduction to EU AI Act	WLC	General Public	https://x.com/ai4gov_project/status/1783083212836635085
26	MOOC1	JSI	General Public	https://x.com/ai4gov_project/status/1783820958366572795
27	European Cooperation Network on Elections	MAG	General Public	https://x.com/ai4gov_project/status/1785955310915457284
28	12th European Conference on Rare Diseases and Orphan Products	JSI	General Public	https://x.com/ai4gov_project/status/1791082210688106894
29	Tackling The Importance Of Informal Learning And Open Education In AI4Gov Project	JSI	General Public	https://x.com/ai4gov_project/status/1806670818048450933
30	Global conference on AI and Human Rights	JSI	Researchers and AI/ML integrators	https://x.com/ai4gov_project/status/1811345688279536009
31	Deliverable 2.2: Holistic Regulatory Framework V2	VIL	General Public	https://x.com/ai4gov_project/status/1813227057284894726
32	Deliverable 6.2: Specification Of UC Scenarios And Planning Of Integration And Validation Activities V2	VIL	General Public	https://x.com/ai4gov_project/status/1814302569105162362
33	How can traditional biases impact the rights and values of vulnerable citizens? Insights from the AI4Gov study	VIL	Public authorities	https://x.com/ai4gov_project/status/1818644527587962901
34	MT & VVV internal workshop	MT	General Public	https://x.com/Dimos_VVV/status/1818921916062720471
35	MT & VVV internal workshop	MAG	General Public	https://x.com/ai4gov_project/status/1819015328082395298
36	AI4Gov in Data for Policy 2024 conference	JSI	General Public	https://x.com/ai4gov_project/status/1819365021320614124

37	AI4Gov Open Day	MAG	General Public	https://x.com/ai4gov_project/status/1833212290436633028
38	AI4Gov Open Day	KT4D	General Public	https://x.com/KT4Democracy/status/1834173473112932369
39	AI4Gov Open Day	ITHACA	General Public	https://x.com/ithaca_project/status/1834175592717074695
40	AI4Gov Open Day	ITHACA	General Public	https://www.facebook.com/search/top?q=ithaca%20project
41	AI4Gov Open Day	DPB	General Public	https://twitter.com/FIWARESpace/status/1834149250542043606
42	AI4Gov Open Day	DPB	General Public	https://www.facebook.com/FIWARESpace/posts/pfbid0DvPTKpPVuLjFDx6e6vnbD1Ej2NKcV9RmikXDQzytJAjnFRXSXYPNG84SVupvtM46l
43	AI4Gov Open Day	DPB	General Public	https://www.instagram.com/fiware.space/p/C_0ILtqIvvQ/
44	AI4Gov Open Day (agenda)	MAG	General Public	https://x.com/ai4gov_project/status/1836030333474480175
45	AI4Gov Open Day (agenda, Maggioli Italy)	MAG	General Public	https://www.linkedin.com/posts/gruppo-maggioli_open-day-ai4gov-agenda-activity-7241816311759073283-pSQt?utm_source=share&utm_medium=member_desktop
46	AI4Gov Open Day	MAG	General Public	https://x.com/ai4gov_project/status/1839561940474970134
47	Trustworthy AI by design	MAG	General Public	https://x.com/ai4gov_project/status/1840734000194760869
48	12ο Πανελλήνιο Συνέδριο Ανάλυσης Δεδομένων	AUTH	Researchers and AI/ML integrators	https://x.com/ai4gov_project/status/1841853687309717940
49	Training & Learning	JSI	General Public	https://x.com/ai4gov_project/status/1851153468292997266
50	Ο Δήμος Βάρης Βούλας Βουλιαγμένης στην Ανοιχτή Ημέρα για την Τεχνητή Νοημοσύνη του ευρωπαϊκού έργου AI4GOV στη Μαδρίτη	VVV	General Public	https://x.com/Dimos_VVV/status/1857447150025609670
51	Trustworthy AI by design (KT4D) - Insights from the AI, Big Data and Democracy Taskforce	MAG	General Public	https://x.com/ai4gov_project/status/1858460636931359200
52	Decentralized Data Governance, Provenance and Reliability V4	UBI	General Public	https://x.com/ai4gov_project/status/1859519684896301222
53	Responsible AI: Balancing Innovation and Ethics	JSI	General Public	https://x.com/ai4gov_project/status/1859897739737505907
54	Public Authorities: What Role in the AI Act?	AUTH	General Public	https://x.com/ai4gov_project/status/1861407873974043098

2.3 Newsletters

We launched our first newsletter in November 2023, structured to inform readers in a clear way on project developments and achievements, past and future events, while at the same time providing easy access to resources, including publications, deliverables, and training material. In each of our newsletters, as in the first one, we will include news from sister projects and in turn, they will publish ours.

Our first newsletter was created as a pdf file and sent to those that have been registered through our website. From the second onwards, we are using LinkedIn's built-in functionality for creating newsletters. That had a direct effect on the number of subscribers, as all our LinkedIn followers have been automatically informed about the newsletter. Currently, the number of subscribers is 252.

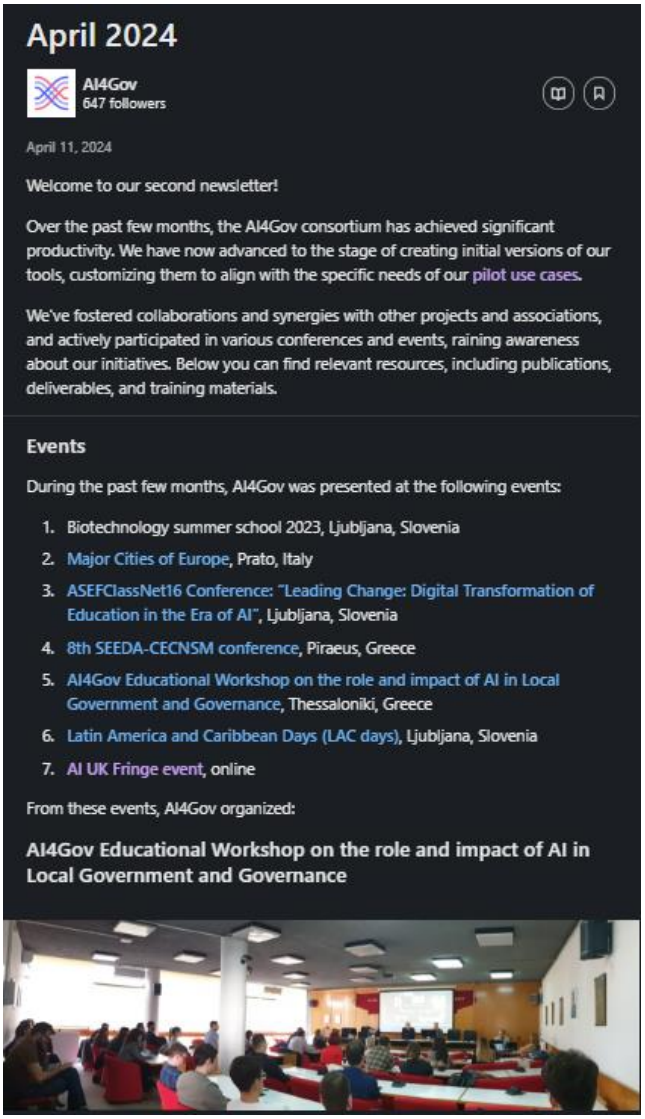

Figure 7: Part of Newsletter #2

2.4 Brochure & Roll-up banner

For use at face-to-face events, we designed a trifold brochure and a roll-up banner that follow the same design approach as the digital communication materials. Both state key messages in a concise manner, avoiding technical/scientific jargon.

In the second year, both the brochure and the roll-up banner have been updated with more clear descriptions of the objectives and the key solutions develop by the project. QR codes for the first AI4Gov MOOC have also been added.

2.4.1 Brochure

The trifold brochure (Figure 8), has the following structure:

- Outer page:
  - Logo, emphasized tagline, EU emblem and funding acknowledgement
  - Contact information (website, mail), QR codes for LinkedIn, X & YouTube, EU disclaimer
  - Consortium
  - QR code for the first AI4Gov MOOC: Trustworthy & Democratic AI - Fundamentals
- Inner page:
  - Project description & objectives
  - Solutions with brief descriptions
  - Pilot cases

2.4.2 Roll-up banner

The roll-up banner (Figure 9) contains the same elements as the brochure, except for the descriptions, as its aim is to inform the public faster comparing with the brochure. From top to bottom the structure is as follows:

- Logo & tagline
- Objectives
- QR codes for LinkedIn, X & YouTube
- QR code for the first AI4Gov MOOC: Trustworthy & Democratic AI - Fundamentals
- Solutions
- Pilot cases
- Consortium
- EU emblem and funding acknowledgement, contact information (website, mail)

Figure 8: AI4Gov Brochure, 2nd version

Figure 9: AI4Gov Roll-up banner, 2nd version

2.5 Communication KPIs

Table 6 lists the Communication measures and their respective KPIs that have been included in the DoA, their targets and current values as of December 2024.

Communication Measure	Target KPIs		2023	2024	%
[C1] Project website	Visits	**1000**	2224	4599	460%
	registers	**200**	18	252	126%
	blog interactions	**350**	45	493	141%
[C2] Web/social content, blogposts, articles, whitepapers	Y1: >2/month	**24**	29	-	113%
	Y2: >3/month	**36**	-	39%	108%
	Y3: >4/month	**48**	-	-	-
[C3] Live audience feedback and live survey in online event	live audience survey in online event	**1**	0	11	1100%
	responders	**50**	0	118	236%
[C4] Digital liaisons with projects	backlinks to website	**20**	0	3	15%
	common posts	**10**	0	12	120%
[C5] Videos, YouTube channel	1 promo/pilot/tool	**6**	0	2	33%
	total	**15**	8	21	120%
[C6] Social media: ResearchGate, LinkedIn, Twitter, Facebook	followers	**1000**	332	824	82%
	posts	**800**	196	737	92%
	interactions	**5000**	1038	4038	81%
[C7] Marketing pack and promotional press kit	Rollup, brochure, banner, factsheet (interim and final)		Roll-up banner, Brochure (interim)	Roll-up banner, Brochure (final)	
[C8] Project identity/branding	Logo, graphics, pitch, e-card		Logo, graphics	Logo, graphics	
[C9] Press releases, newsletters, and digital briefs	Y1: >=8	**8**	3	-	38%
	Y2: >=8 (1/pilot)	**8**	-	8	100%
	Y3: >=16 (1/pilot + 1/tool)	**16**	-	-	-
[C10] Stakeholders' database and engagement tracker	Y1: >=1500	**1500**	618	-	15%
	Y2: >=2500	**2500**	-	1719	43%
	Y3: >=4000 entries	**4000**	-	-	-

Table 6: Communication KPIs

Status of KPIs:

- Most of the Communication KPIs had a significant increase over 2023 and some of them, **C1, C2(year 2), C3, C4(common posts), C5(total # of videos), C7** and **C8** have already achieved the targets expected at project duration. Regardless, we will keep building on them as they are important for the communication of the project's results.
- **C6, C9** and **C10** are expected to be achieved during the third year

3 Means of Dissemination

3.1 Events

The AI4Gov consortium has been particularly active during its first year in disseminating the project to various stakeholders and the general public. Since March 2023, AI4Gov has been presented at 15 events in 6 countries, both physically and virtually.

With even greater momentum, the project partners presented AI4Gov in an additional 29 events during 2024, as listed in **Error! Reference source not found.**.

Table 7: Events were AI4Gov was presented

Type of event	Title of Event	Location	No of attendees
2023			
Exhibition	5th International exhibition VERDE.TEC	Athens, Greece	45
Workshop	HOW TO ADDRESS »GENDER EQUALITY AND GENDER DIMENSION« IN HORIZON EUROPE PROJECT PROPOSAL?	Ljubljana, Slovenia	70
Other	Athens Money Show	Athens, Greece	200
Seminar	JSI AI Seminars	JSI	20
Workshop	1ST AI4GOV TRAINING WORKSHOP: BIAS IN AI	Ljubljana, Slovenia	48
Exhibition	2nd ATTICA GREEN EXPO	Athens, Greece	50
Workshop	TI-2023 Workshop	Pafos, Cyprus	80
Workshop	How to improve the engagement of citizens in civic actions on local authorities	Brasov, Romania	28
Other	LECTURE PRESENTING THE AI4GOV PROJECT at UNIVERSITY OF BRASILIA	University of Brasília, Brasil	20
Workshop	Biotechnology summer school 2023	University of Ljubljana	60
Conference	Major Cities of Europe	Prato, Italy	140
Conference	ASEFClassNet16 Conference: “Leading Change: Digital Transformation of Education in the Era of AI”	Ljubljana, Slovenia	100
Conference	8th SEEDA-CECNSM conference	Piraeus, Greece	20
Workshop	AI4Gov Educational Workshop on The Role and Impact of Artificial Intelligence in Local Government and Governance	Thessaloniki, Greece	170
Conference	Latin America and Caribbean Days (LAC days)	Ljubljana, Slovenia and online	30
2024			
Workshop	AI UK Fringe event	Online	71

Workshop	Gender Dimension in STEM research	Ljubljana, Slovenia	12
Conference	Privacy days 2024	Ptuj, Slovenia	70
Other	European Cooperation Network on Elections	Online	27
Conference	12th European Conference on Rare Diseases and Orphan Products	Hybrid (Brussels and online)	100
Webinar	Ethics for a responsible governance of AI	online	30
Conference	Building bridges across languages: Human-Centered AI for the Euro-Med	Ljubljana, Slovenia	50
Conference	GLOBAL CONFERENCE ON AI AND HUMAN RIGHTS	Ljubljana, Slovenia	200
Workshop	Workshops for Technology in Public Administration	Puebla de la Calzada, Spain	39
Workshop	MT & VVV internal workshop	Online	39
Workshop	Study on Government services and biases	Athens, Greece	7
Workshop	Study on Government services and biases	Athens, Greece	8
Workshop	Study on Government services and biases	Thessaloniki, Greece	12
Workshop	Study on Government services and biases	Thessaloniki, Greece	9
Workshop	Study on Government services and biases	Thessaloniki, Greece	25
Workshop	Study on Government services and biases	Thessaloniki, Greece	26
Workshop	Study on Government services and biases	Ormoz, Slovenia	12
Workshop	Study on Government services and biases	Badajoz, Spain	3
Workshop	Study on Government services and biases	Badajoz, Spain	2
Workshop	Study on Government services and biases	Badajoz, Spain	9
Demonstration	1st Open Day	Madrid, Spain	97
Conference	ITWG (EUROSAI IT Working Group) event	Oslo, Norway	100
Exhibition	Congreso Potencial Digital	Cáceres, Spain	100
Conference	Congreso Potencial Digital	Cáceres, Spain	20
Webinar	Trustworthy AI by design	Online	57
Webinar	12ο Πανελλήνιο Συνέδριο Ανάλυσης Δεδομένων	Thessaloniki, Greece	
Conference	12ο Πανελλήνιο Συνέδριο Ανάλυσης Δεδομένων	Thessaloniki, Greece	225
Conference	GenAI Summit SE Europe	Athens, Greece	90
Conference	I Foro TIC de Diputaciones	Sevilla, Spain	80
Other	Jornada "Inteligencia Artificial para Ayuntamientos"	Granada, Spain	120

Of the 29 events in 2024, 16 were organized by AI4Gov partners including several workshops, webinars and culminating in the 1st AI4Gov Open Day, where all use cases and solutions were presented and tested by potential stakeholders.

Selected events organized by AI4Gov partners are mentioned in the following subsections.

3.1.1 (2023) 1st AI4Gov training workshop: Bias in AI

AI4Gov held its 1st Training Workshop: "Bias In AI", in May 2023, in Ljubljana, Slovenia, a hybrid event organized and hosted by the Jožef Stefan Institute (JSI).

The first session focused on the fundamentals of AI and bias (What is bias, Fundamentals of AI, AI and bias (bias in algorithms, bias in data)), as well as the impact of bias on human rights, especially for underrepresented groups.

In the second session, participants watched case study presentations,

- Policy/public administration example from Slovenia: "Slovenian national AI programme"
- Citizens' example: "Empowering civil society for oversight and policy-making"),

and participated in practical exercises, divided into groups (Hands on session: case studies on detecting bias, followed by a panel discussion). The workshop concluded with a lecture on AI and regulation.

Figure 10: Photos from the 1st AI4Gov training workshop: Bias in AI

Almost 20 participants joined in person and another 30 via remote access, representing the European Commission, public administration (representatives of ministries), academia, IT Industry, public organizations, and project partners.

The presentations were filmed from VideoLectures.NET[3] (managed from partner JSI) and form the basis of conducting AI4Gov training materials and will be also used for MOOCs creation. The video lectures are available at a dedicated subpage via the open education platform VideoLectures.NET and on the AI4Gov YouTube channel. The video lectures on VideoLectures.NET are accompanied with presentation slides whilst the YouTube videos are accompanied with subtitles in English, Greek, Spanish and Slovenian language (generated by JSI).

3.1.2 (2023) AI4Gov Educational Workshop on the Role and Impact of Artificial Intelligence in Local Government and Governance

In November 2023, AI4Gov organized the educational workshop "Trusted AI for Transparent Public Governance - AI4Gov Workshop", hosted by the Aristotle University of Thessaloniki (AUTH). It was a hybrid event, specifically for the Greek audience (in Greek language), comprised of two discussion panels and a training workshop:

[3] https://videolectures.net/AI4GOVtraining2023_ljubljana/

- Discussion panel 1: “Artificial Intelligence in Local Governance, Perspectives and Challenges”, moderated by partner Greek Ministry of Tourism
- Discussion panel 2: “Accessible and Inclusive Artificial Intelligence for Citizens”, moderated by partner ViLabs
- Educational workshop:
    - AI-based Decision Making in the era of Big Data
    - Bias – Are we aware of it?
    - Responsible and Bias-free AI-Based Decision-Making
    - Blockchain and e-government
    - Hands on session (examples from practise)

Figure 11: Photos from the AI4Gov educational workshop – 1st discussion panel

More than 160 people participated, both physically and remotely, including members of municipal councils, field experts and citizen associations, while the event was welcomed by representatives of the Greek Ministry of Digital Governance, as well as of Regional and Local Government. The presentations were filmed, and the videos are available on the AI4Gov YouTube channel[4].

3.1.3 (2024) AI UK Fringe event

The AI, Big Data, and Democracy task force (see section 383.2) was selected to participate in the AI UK Fringe event that brings together leaders in academia from across the UK’s AI ecosystem to showcase, exhibit, and provide updates on their groundbreaking work, with an exploratory, in-depth workshop.

[4] https://www.youtube.com/@AI4GovProject/playlists

Figure 12: AI UK Fringe event, promotional banner

On March 7, the AIBD&D task force organized an online workshop to explore topics at the intersection of Artificial Intelligence and Deliberative Democracy.

- In the first part, via a serious of short keynotes, leading researchers addressed AI's impact on democracy, online deliberation, trustworthy AI, and the skills needed to navigate this landscape
- In the second part, all four projects of the task force demonstrated their tools designed to support healthy democratic discourse using AI-powered technologies

71 people from the scientific community attended the workshop, the videos of which are available on YouTube[5]

3.1.4 (2024) 1st AI4Gov Open Day

On September 27, AI4Gov organized its first Open Day in Madrid, hosted by partner Diputación de Badajoz. It was a long-awaited event by the project partners, as it would be the first time that all AI4Gov tools would be demonstrated live and could be tested by those attending the event in person.

[5] Part 1: https://www.youtube.com/watch?v=HhLul_qADcM
Part 2: https://www.youtube.com/watch?v=u7FiVavFwBQ

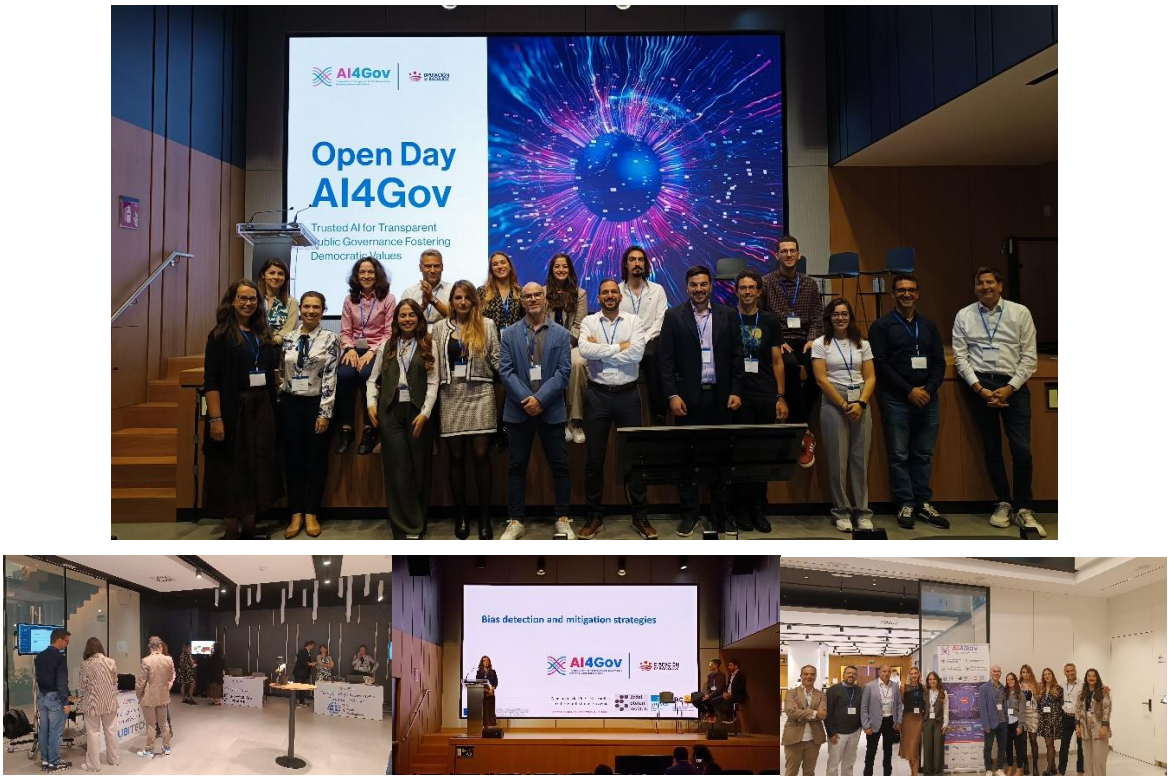

Figure 13: 1st AI4Gov photos

The event agenda (Figure 15) offered participants the opportunity to:

- Watch a short presentation of the project and talks from experts on topics related to the use and impact of trustworthy artificial intelligence in the public sector
- Have a hands-on experience with the AI4Gov tools and see their application in selected use cases in three different countries
- Interact with representatives from Academia, Industry and Public Authorities

Nearly 100 people attended this hybrid event which was also broadcast live on YouTube[6].

3.1.5 (2024) 'Trustworthy AI by design' webinar

In October 2024, the AI, Big Data, and Democracy task force (see section 383.2) organized the 'Trustworthy AI by design' webinar with the support of the Horizon Results Booster service. This event showcased their collaborative efforts to equip policymakers and citizens with advanced

[6] https://www.youtube.com/watch?v=uFJWL7hrY1E&t=12234s

tools for evidence-based decision-making, considering the latest advancements in information technologies, while also addressing the needs of vulnerable groups and cultural contexts.

Figure 14: 'Trustworthy AI by design' webinar

Nearly 60 people attended the webinar the recording of which is available on YouTube[7]. A post-event report[8] has been created that includes the key points of all presentations and the takeaways from the subsequent panel discussion.

[7] https://www.youtube.com/watch?v=271S4GMD9SI&t=16s
[8] https://ai4gov-project.eu/wp-content/uploads/2024/11/AI-Big-Data-Democracy-Taskforce-Post-Webinar-Report.pdf

Open Day AI4Gov, September 27

Hybrid Event, Auditorium Meeting Place Orense 34, Madrid

Agenda

FRIDAY 27 SEPTEMBER 2024 - 09:00 - 13:30 CET	
09.00	**Arrival**
09:30 (5')	**Welcome** *Diputación Provincial de Badajoz*
09:35 (5')	**Introduction to the AI4Gov project** *Spiros Borotis, Maggioli*
09:40 (20')	**Trusted AI for Transparent Public Governance fostering Democratic Values** *George Manias, University of Piraeus Research Center*
	The AI4Gov Holistic Regulatory Framework *Eri Goga, ViLabs*
10:00 (10')	**Data driven sustainability for a liveable Badajoz** *Miguel López Corbacho, Diputación Provincial de Badajoz*
10:10 (10')	**Q&A**
10:20 (10')	**Legal Trends in AI Public Governance** *Dr. Maria- Oraiozili Koutsoupia | George Kotlidas, Rythmisis - National Institute of Artificial Intelligence, Personal Data and Digital Governance Law*

10:30 (20')	**Guest speakers**
	• **Skills necessary for public employees to purchase Artificial Intelligence systems**
	  ○ *Oscar Corcho, Artificial Intelligence Professor, AI.nnovation Center, Polytechnic University of Madrid. Co-founder of Localidata and Librairy.*
	• **Social Operative System (sOS): The Use of Technology to Develop New Forms of Governance**
	  ○ *Dr Joan Huerva Subirachs, Professor at the University of Barcelona*

10:50 (20')	**Guest projects**
	• **SAFE-CITIES, Improved Risk-based Approach for the Protection of Public Spaces in European rural areas**
	  ○ *Prof. Willem-Jan van den Heuvel, D-VISOR*
	• **VIVEMAIS, Advancing social-health public services through public private partnership collaboration, democratization of assistive technologies, positive co-design, and social acceptance**
	  ○ *Irene Medina, INTRAS Foundation*

11:10 (10')	**Q&A**
11:20 (20')	**Break**

11:40 (20')	**Pitches**
	• **Trustworthy Data-driven Touristic Policies: Pilot use cases in the Municipality of Vari-Voula-Vouliagmeni, Greece**
	  ○ *Dimitris Apostolopoulos, Municipality of Vari-Voula-Vouliagmeni*
	• **Policy-oriented Visualization Workbench**
	  ○ *Kostis Mavrogiorgos, University of Piraeus Research Center*
	• **Bias detection & mitigation strategies**
	  ○ *Alenka Guček, Jožef Stefan Institute*
	• **Blockchain in the modern eGovernment**
	  ○ *Xanthi Papageorgiou, UBITECH*

12.00 (90')	**Open Day Visit** (in-person participants) • Gain hands-on experience with the AI4Gov tools and explore how they address challenges in the public sector • Discuss with project partners their adaptability to other use cases • Meet our guest speakers, learn more about our guest projects

Figure 15: 1st Open Day agenda

3.2 Clustering activities

Following the suggestion of the EC project officer, AI4Gov formed a cluster with three other projects funded under the same call:

KT4D Knowledge Technologies for Democracy	Fostering **Civic Participation** in Democracy by Harnessing the Benefits of Knowledge Technologies	https://kt4democracy.eu/
ITHACA AI To Enhance Civic Participation	Artificial Intelligence to Enhance **Civic Participation**	https://www.ithaca-project.eu/
orbis	Augmenting participation, co-creation, **trust and transparency** in Deliberative Democracy at all scales	https://orbis-project.eu/

Table 8: Sister projects of AI, Big Data and Democracy task force (AIBD&D)

The cluster, named AI, Big Data and Democracy task force (AIBD&D), started on February 2023 with recurring meetings aimed at understanding the goals and approach of each project and continued with technical overviews of the solutions under development. Soon as it was realized that the projects partially overlap and complement one another, it was decided that it would be mutually beneficial to use the Horizon Results Services provided by the EC, specifically:

- Module A: Identifying and creating the portfolio of R&I project results, and
- Module B: Helping projects from the portfolio to design and execute a portfolio dissemination plan.

AI4Gov led the application process that was accepted in September 2023. In the following months the projects engaged with the experts assigned to the cluster, initially on Module A, the final report of which was delivered on January 2024, identifying a joint portfolio of research and innovation results and recommending as a main joint activity the organization of a webinar.

On April 2024, the cluster proceeded with Module B that led to the organization of the 'Trustworthy AI by design' webinar in October 2024, reported in section 3.1.5. The HRB experts also produced a joint flyer (Figure 16) and a video pill to facilitate common messaging implemented in dissemination items.

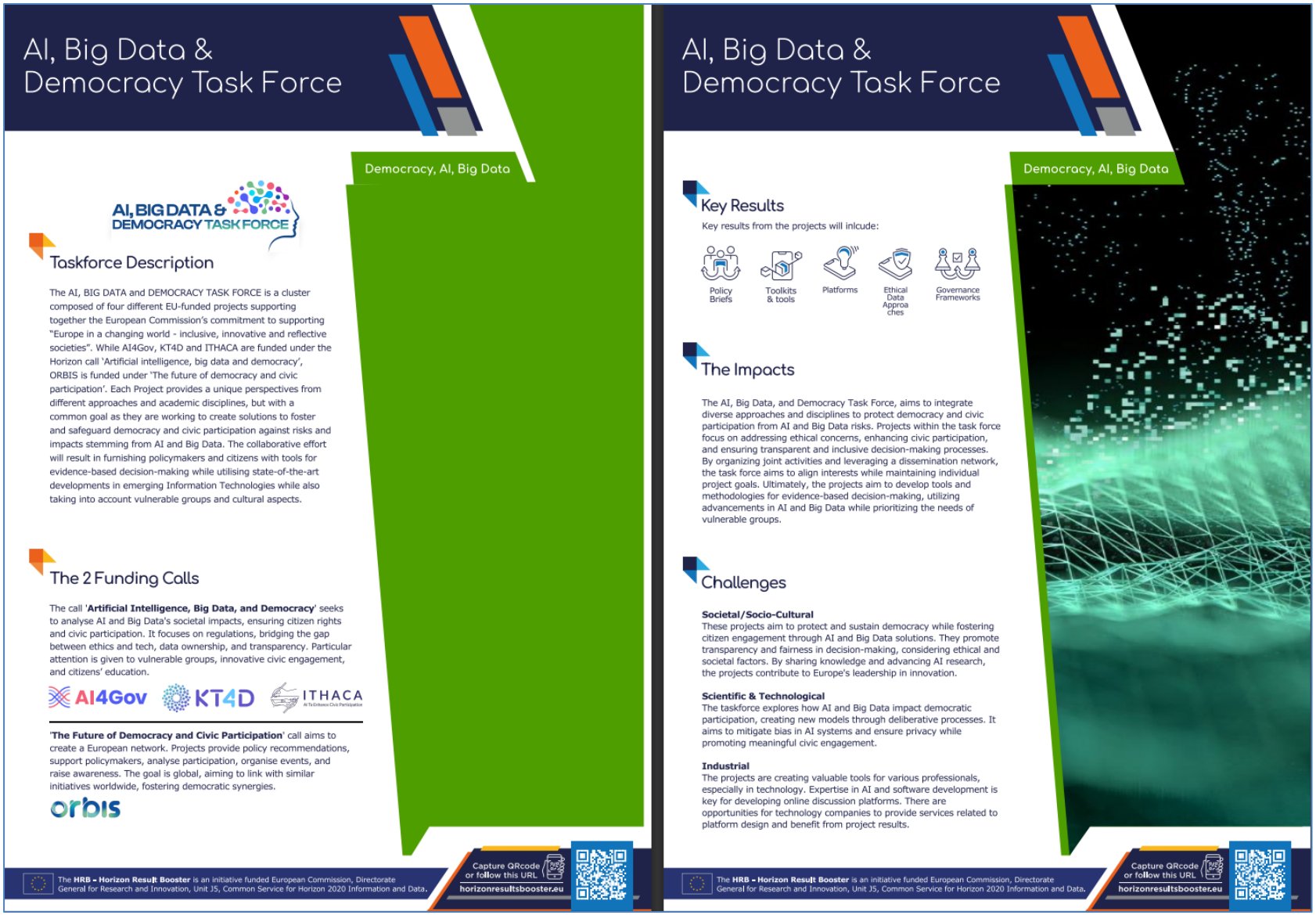

Figure 16: AIBD&D cluster joint flyer

In addition to the AIBD&D cluster, AI4Gov is exploring potential synergies with projects THEMIS 5.0, ENFIELD, SOLARIS, TWON, and MAMMOTH:

THEMIS 5.0 Trustworthy AI	Human-centered Trustworthiness Optimization in Hybrid Decision Support	https://www.themis-trust.eu
ENFIELD	European Lighthouse to Manifest Trustworthy and Green AI	https://www.enfield-project.eu/
SOLARIS	Strengthening democratic engagement through value-based generative adversarial networks	https://projects.illc.uva.nl/solaris/
twon twin of online social networks	TWin of Online Social Networks	https://www.twon-project.eu/
MAMMOth	Multi-Attribute, Multimodal Bias Mitigation in AI Systems	https://mammoth-ai.eu/project/

Table 9: Projects with which AI4Gov is exploring synergies

3.3 Scientific publications

AI4Gov is dedicated in advancing research and that is evident from the number of publications; in addition to the two papers during the first year, nine more have been submitted during 2024, most of them already accepted, as in Table 10.

Table 10: Publications

Year	Type of publication	Reference	Status	Link to the publication	DOI	Title of the Journal/Proceedings/Books series
2023	Conference proceedings / workshop/ poster	Manias G. et al. (2023). AI4Gov: Trusted AI for Transparent Public Governance Fostering Democratic Values. Proceedings of the 2023 19th International Conference on Distributed Computing in Smart Systems and the Internet of Things (DCOSS-IoT), Pafos, Cyprus, pp. 548-555. doi: 10.1109/DCOSS-IoT58021.2023.00090.	Accepted	https://ieeexplore.ieee.org/document/10257230	10.1109/DCOSS-IoT58021.2023.00090.	In 2023 19th International Conference on Distributed Computing in Smart Systems and the Internet of Things (DCOSS-IoT)
2023	Conference proceedings /workshop/ poster	Mavrogiorgos K. et. al. (2023, December 1-3). A Question Answering Software for Assessing AI Policies of OECD Countries [Paper Presentation]. 4th European Symposium on Software Engineering (ESSE 2023), Napoli, Italy.	Accepted	https://dl.acm.org/doi/10.1145/3651640.3651651	https://doi.org/10.1145/3651640.3651651	The 4th European Symposium on Software Engineering (ESSE 2023)
2024	Article in Journal	Fournier F. et al. (2023). The WHY in Business Processes: Discovery of Causal Execution Dependencies [Manuscript submitted for publication].	Under review	http://arxiv.org/abs/2310.14975	10.48550/arxiv.2310.14975	
2024	Article in Journal	Fahland D. et al. (2023). How well can large language models explain business processes? [Manuscript submitted for publication].	Under review	https://arxiv.org/abs/2401.12846	10.48550/arXiv.2401.12846	
2024	Conference proceedings /workshop/ poster	Bridging Global Disparities: An Analytics Pipeline for Detecting Bias and Incompleteness in Rare Diseases Datasets (POSTER)	Accepted	https://www.rare-diseases.eu/posters-2/		
2024	Conference proceedings /workshop/ poster	Bridging Global Disparities: An Analytics Pipeline for Detecting Bias and Incompleteness in Rare Diseases Datasets (ABSTRACT of poster for publication)	Accepted			The Orphanet Journal of Rare Diseases (OJRD) (It will be a special supplement published later this year, featuring abstracts from speakers and top scoring poster presenters at the ECRD 2024)
2024	Conference proceedings /workshop/ poster	Fostering Fundamental Human Rights and Trustworthiness though the Utilization of Emerging Technologies: the AI4Gov Platform	Accepted	https://www.ai-right-to-life.si/_files/ugd/510aed_3d76b33174f243e2b9f78067a3712437.pdf		

2024	Conference proceedings /workshop/ poster	Mitigating Bias in Time Series Forecasting for Efficient Wastewater Management	Accepted	https://ieeexplore.ieee.org/abstract/document/10636931	10.1109/ICICoS62600.2024.10636931.	In 2024 7th International Conference on Informatics and Computational Sciences (ICICoS)
2024	Article in Journal	Bias in Machine Learning: A Literature Review	Accepted	https://www.mdpi.com/2076-3417/14/19/8860	https://doi.org/10.3390/app14198860	
2024	Conference proceedings /workshop/ poster	Towards a Benchmark for Causal Business Process Reasoning with LLMs	Accepted	-		
2024	Conference proceedings /workshop/ poster	eXplainable Random Forest	Accepted	https://ceur-ws.org/Vol-3765/Camera_Ready_Paper-10.pdf		Proceedings of Workshop on Embracing Human-Aware AI in Industry 5.0 (HAII5.0 2024)

3.4 Dissemination KPIs

Table 11 lists the Dissemination measures and their respective KPIs that have been included in the DoA, their targets and current values as of December 2023.

Table 11: Dissemination KPIs

Dissemination Measure	Target KPIs		2023	2024	%
[D1] Organization/attendance to conferences/workshops	Organized	**10**	2	24	240%
	Attended	**20**	13	27	135%
	Visitors	**500**	1081	2815	563%
	Speakers	**10**	26	82	820%
[D2] Common activities with affiliated projects	Common events	**5**	0	10	200%
[D3] Workshop/collaborative schemas with similar projects	Project synergies	**20**	3	13	65%
	Common products/services	**5**	-	-	0%
[D4] Public administration links, synergies	Adopters	**10**	-	-	-
	Testers	**20**	-	19	-
[D5] Open access exhibitions and demonstration events	Exhibition	**1**	-	-	-
	Demo days	**2**	0	1	50%
	Attendees	**50**	0	97	194%
[D6] Onsite pilot promotional demonstrations/workshops	demonstration (1 per pilot)	**3**	0	1	33%
	workshops (4 per pilot)	**12**	3	12	100%
[D7] Online and/or F2F training/webinars	webinar/trainings	**4**	2	6	150%
	attendees	**80**	218	271	339%
[D8] F2F with citizens/public	events	**2**	0	1	50%
	appearances	**3**	0	3	100%
[D9] F2F with organizations	events	**2**	0	0	0%
	appearances	**3**	0	3	100%
[D10] Open access reports	journals	**4**	0	3	75%
	conferences	**15**	2	8	53%
[D11] Non-scientific reports	articles	**5**	4	16	320%
[D12] Standardization liaisons	standards/organizations	**10**	-	-	-
[D13] Association liaisons	liaisons	**50**	0	3	6%

Status of KPIs:

- Most of the Dissemination KPIs have a significant increase over 2023 and some of them, **D1, D2, D7, D8 (appearances), D9 (appearances), and D11** have already achieved the targets expected at project duration. Regardless, we will keep building even further as they are important for the dissemination of project results.
- **D3:** Expected to be achieved, especially for project synergies. AI4Gov is already exploring - mainly within the AIBD&D cluster - whether meaningful common products/services can be developed
- **D4, D5, D6, D8, D9 & D10:** Expected to be achieved by end of 2025
- **D12:** Results are expected during 2025
- **D13:** An increase is expected within 2025

4 Standardization activities

Standards and regulations are established by authorities, recognized organizations, or companies. These institutions create documents that provide requirements, specifications, guidelines, or characteristics that can be used consistently to ensure that materials, products, processes, and services are fit for their purpose as well as electrical, electronic and related technologies.

AI4Gov recognizes the importance of standardization and alignment with regulations in achieving its vision. The project will investigate existing standards and regulations, establish liaisons with Standard Developing Organizations (SDOs), and actively contribute to the standardization process.

In the AI4Gov project, standards and regulations such as Ethical Guidelines for Trustworthy AI, information security management systems (ISMS), privacy information management system (PIMS), Cybersecurity guidelines, General Data Protection Regulation (GDPR), Electronic Identification, Authentication and Trust Services (eIDAS) regulation are of interest. This deliverable provides an analysis of all the standards and regulations that are considered to have an impact on the development activities.

4.1 General Guidelines

Standardization is based on a consensus, which reflects the economic and social interests of companies in a sector channelled through their National Standardisation Organizations. Besides European Standardization Organizations (ESOs) such as CEN, CENELC, ETSI, the international standardisation bodies (e.g., ISO, IEC, ITU) are also developing the most accepted standards.

A *standard* is a technical specification, adopted by a recognised standardisation body, for repeated or continuous application, with which compliance is not compulsory. Standards can be developed by national, regional (e.g., European), or international organisations, by a group of companies (e.g., USB, IEEE) or by companies itself (company standard).

A *regulation* is a document providing binding legislative rules, that is adopted by an authority. Regulations are adopted by the European Council.

The hierarchy of the legal system in Europe with regards to standardisation activities is depicted in Figure 17.

There are some differences (e.g., guidelines, rules) on how standards are developed in European Standardization Organizations or the International Standardisation Organisations. All standardisation bodies (national, European, and international) have their well-defined rules for drafting documents. The following sub-sections present the standardisation processes of CEN (CENELEC) and ISO (IEC) in a brief way. Based on the cooperation agreements (Vienna Agreement between CEN and ISO, Frankfurt Agreement between CENELEC and IEC) and common Internal Regulations, the standardisation processes of CEN, CENELEC, ISO, IEC are harmonised. Most of the national drafting rules are based on the CEN/CENELEC and ISO/IEC rules.

Figure 17: Hierarchy of the EU legal system

4.1.1 European Standardization Process

Existing European Standards (ENs) are developed and agreed by the three officially recognised organisations: the European Committee for Standardisation (CEN), the European Committee for Electrotechnical Standardisation (CENELEC), and the European Telecommunications Standards Institute (ETSI).

By setting common standards that are applied across the whole of the European single market, CEN and CENELEC ensure the protection of consumers, facilitate cross-border trade, ensure the interoperability of products, encourage innovation and technological development, include environmental protection, and enable businesses to grow. Products and services that meet these European Standards (ENs) can be offered and sold in all participating countries. CEN and CENELEC bring together the national standards agencies of 34 countries. The national members of CEN and CENELEC (National Standardisation Bodies) are obliged to implement EN as national standards and to withdraw any conflicting national standards.

The organisational structure, common rules, and structure guidelines for drafting standard documents are provided by CEN/CENELEC Internal Regulations. The process of developing a new European Standard (EN) consists in the following steps:

1. Proposal: Any interested party can introduce a proposal of a new EN. In general, the proposals come from CEN and CENELEC members.
2. Acceptance of proposal: Once an EN proposal is accepted, the member countries shall put related national activity on hold. This means that they do no initiate new projects, nor revise existing standards at national level.
3. Drafting: The EN is developed by experts within the Technical Body of CEN/CENELEC.
4. Enquiry – Public comment at national level & weighted vote: Once the draft of an EN is prepared, it is released for public comment and vote. If the results of the CEN Enquiry show a 100% approval, then the European Standard will be published.
5. Formal vote: If the results of the CEN Enquiry show less than 100% approval, then the proposed draft will be revised and resubmitted for another weighted vote.

6. Publication: After its publication, a European Standard must be given the status of national standard in all member countries, which also have the obligation to withdraw any national standards that would conflict with it.
7. Review: Each EN is reviewed at least within five years from its publication. This review results in the confirmation, modification, revision, or withdrawal of the EN. A majority of the CEN members decides whether an EN should be confirmed, revised, or withdrawn.

4.1.2 International Standardization Process

ISO (International Organisation for Standardisation), IEC (International Electrotechnical Commission) and ITU (International Telecommunication Union) are three global organisations that develop International Standards for the World and cooperate to ensure that International Standards fit together seamlessly and complement each other. Joint committees ensure that International Standards combine all relevant knowledge of experts working in related areas.

ISO and IEC cooperate with CEN and CENELEC in the framework of Vienna (ISO-CEN) and Frankfurt Agreement (IEC-CENLEC). The main objective of these Agreements is to develop together one single standard which becomes an International as well as European Standard.

ISO standards are internationally agreed by experts from by ISO technical committees (TC) and subcommittees (SC). The organisational structure, common rules, and structure guidelines for drafting standard documents are provided by ISO Directives and Policies. The ISO standardization process consists in the following steps:

1. Proposal: A new work item proposal is submitted for vote by the members of the relevant TC/SC to determine the inclusion of the work item in the programme of work.
2. Preparatory: Usually, a working group of experts is set up by the TC/SC for the preparation of a working draft. The draft is then forwarded to the working group's parent committee for the consensus-building phase.
3. Committee: As soon as a first draft is available, it is registered by the ISO Central Secretariat and distributed for comments and voting. Successive drafts may be considered until consensus is reached on the technical content. Afterwards, the text is finalized for submission as a draft International Standard (DIS).
4. Enquiry: The proposed draft is circulated to all ISO members for voting and comment. If more than two-thirds majority of the members are in favour, a final draft International Standard (FDIS) is approved for submission. If the approval criteria are not met, the text is returned to the originating TC/SC for further study and a revised document will again be circulated for voting.
5. Approval: FDIS is circulated to all ISO member bodies for a final Yes/No vote.
6. Publication: Once a final draft has been approved, the final text is sent to the ISO Central Secretariat which publishes the International Standard.
7. Review: All International Standards are reviewed at least once every five years. A majority of the ISO members decides whether an International Standard should be confirmed, revised, or withdrawn.

4.2 AI4Gov Standardisation Strategy

The focus of T7.2 Contributions to Standards and Policy Recommendations (WP7) is related to project's standardization and policy-making activities and includes also the identification of existing *standards* and relevant *regulations* affecting the AI4Gov project.

Ensuring alignment with relevant standards and applicable regulations is essential to realizing the vision of AI4Gov. Therefore, AI4Gov will adopt a dual approach to standardization:

- Firstly, it will conduct an investigation of existing standards and relevant regulations, compiling a synthesized list that project partners can refer to. This will enable the consortium to have a comprehensive understanding of the regulatory landscape and relevant industry standards.
- Secondly, AI4Gov will establish liaisons with relevant SDOs, capitalizing on the existing relationships within the consortium. Through these liaisons, the project will actively contribute and submit proposals to the appropriate bodies, where appropriate.

In this scope, a preliminary survey has been carried out among the project partners to determine international, European, national, or regional regulations that affect the AI4Gov project partners and shall be considered to ensure legal compliance. This survey serves multiple purposes: validating the importance of regulations and standards, assessing the consortium's involvement with SDOs, and evaluating the standardization potential of AI4Gov. By gathering input from consortium members, the project can ensure that the identified standards and regulations are comprehensive and that the standardization efforts are aligned with the expertise and priorities of the consortium.

All partners have submitted their answers on time. The questionnaire can be found in APPENDIX A. The following sub-sections provide an overview of AI4Gov standardization strategy, draw up a standardization activity plan to guide standardization efforts for the duration of the project and list the relevant standards and regulations affecting the project.

It must be noted, however, that the AI4Gov project is still in the early stages of development. Therefore, it would not be feasible to list all possible topics and assets relevant for standardization. Depending on the technical developments of the projects, new assets will likely appear at later stages of the project.

Based on the initial plan presented in D7.1 and the Survey on Standards & Regulations, the AI4Gov standardisation strategy is based on the PDCA (Plan-Do-Check-Act) cycle and involves pursuing the following activities presented in Table 12.

Table 12: AI4Gov Standardization Plan

Act	Plan
• If the new subject areas and regulations relevant to the project are planned or identified by SDOs (e.g., CEN, CENELEC, ETSI, IEC, ISO, IEEE) the partners must create a corresponding analysis of the target status and compare it with the current status. • Furthermore, the questions of what can be optimized and where lay a further potential of standardization activities, must be clarified. • If it is determined that the goal has not been reached, the cycle is run through again.	• Based on the surveys detailed in 1.2.3, a decision on standards and regulations relevant for the project is carried out.
Check	**Do**

• Partners shall periodically review and align their standardisation activities and provide a report for internal and external awareness.	• Project partners must ensure the compatibility and interoperability of their services and technical solutions with the relevant standards and regulations.
	• Partners must contribute towards the compliance, application, and development of standards in the areas of relevance to the AI4Gov as follows (check list again):
	  ○ Improving interoperability and reducing overlap, redundancy, and fragmentation of the data.
	  ○ Project partners contribute to activities in Standards Development Organisations (SDOs) working on interoperability standards for security and for linking communication protocols to provide end-to-end security for developed tools.
	• The project partners participate towards creating a hierarchical catalogue of technical and social measures for assuring privacy protection. That implies processing of data which includes personal data within the definition of the GDPR.

4.2.1 Horizon Standardisation Booster Collaboration

To ensure that AI4Gov's outcomes are effectively utilized and the project gains valuable support, the Horizon Standardisation Booster services have been engaged. This strategic collaboration underscores AI4Gov's commitment to aligning its technological advancements and governance solutions with relevant standards, fostering greater trust, interoperability, and adoption across various sectors. Starting in January 2025, AI4Gov will initiate its standardisation plan with the Booster to develop a robust standardisation strategy. This initiative aims to develop a robust

standardisation strategy that aligns the project's tools and outcomes with internationally recognized frameworks and technical standards. The key objective of this consultation is to achieve concrete results, culminating in a summary report at the end of the period, which will include future recommendations. This will prove to be very useful, as it will strengthen the standardisation path of the project.

4.3 AI4Gov Standardization Plan

Standardization of processes can be easy or complex depending on the level of commitment shown by all the stakeholders.

Built on a preliminary study and partner consultations in T7.2 Contributions to Standards and Policy Recommendations (WP7), a standardisation plan is presented in Table 13. Guided by this framework, project partners can decide on the key areas that need to be standardized and the steps to follow. The AI4Gov standardization plan is based on 4 steps, as follows:

1. **WHAT** are the topics and assets with standardization potential within AI4Gov.
2. **WHERE** these could be submitted and with which SDOs AI4Gov should liaise with.
3. **HOW** the standardization activities can be achieved.
4. **WHO** can lead and support standardization efforts within the project.

Table 13: AI4Gov Standardization Process

Step	Step	Actions	Status
WHAT	Identify key assets	• Identify the project key assets for standardization.	Done
	Identify standards & regulations	• Identify the relevant standards and regulations applicable to AI4Gov project.	Done
	Integrate existing standardization framework	• Integrate existing standards. • Investigate new concepts vs existing standard concepts. • Perform evaluation of developed components and tools. • Reach out for feedback and external review.	Planned
	Identify gaps and areas for new standards adoption	• Identify additional aspects that might be considered as a new standard/extension. • Check why the addition fits as a standard, what is new, why would it be required. • Seek for support from similar projects to enforce the need.	Planned
WHERE	Identify relevant SDOs	• Identify relevant bodies (Standards Developing Organizations – SDOs) and communities for policy making and standardization activities. • Organize workshops.	Done
HOW	Document the process	• Document the procedure as the project is developing.	Ongoing

		• Document all the concepts and the connected existing standards.	
	Monitor and analyse	• Any newly introduced process needs to be monitored and analysed periodically. • Taking feedback from individual tasks by way of performance metrics helps track the effectiveness of standardization.	Ongoing
WHO	Define partners activities	• Engage all partners: the project goals, development strategies, and process standardization must be properly updated to all the stakeholders. • The team members must be given proper training about how the standardization process works. • Define working groups and check the engagement process.	Ongoing

During the lifetime of the AI4Gov project, SIE, as task leader of T7.2, will monitor the execution of the standardization plan and analyse the nature and significance of project contributions in different standardisation initiatives.

A detailed study in T7.2 containing the updated status of all activities will be the basis of the Dissemination, Communication, Standardization deliverable series D7.2/3/4 "Dissemination, Communication, Standardization Activities Report" within the context of T7.2 Contributions to Standards and Policy Recommendations (WP7).

4.3.1 WHAT

4.3.1.1 Identification of assets for standardization

AI4Gov will build a vibrant community of relevant and committed technology providers, legal advisors, policymakers, public authorities, and citizens which will actively engage with the project's results to increase their trust in the democratic process.

Overall, AI4Gov will develop, validate, and make available within the platform:

- A values-based, regulatory compliant, debiased **AI-based Holistic Regulatory Framework (HRF)** that will integrate into different architecture blueprints ensuring a holistic view on intersectional bias and ethics.
- A **Data Governance Framework (DGF)** that will focus on governing the entire data pipeline and policy making procedures. The framework will offer protection and privacy enforcement for the data and will ensure that decisions follow specific protocols, regulations and legislations and are in-line with the HRF.
- A **Virtualized Unbiasing Framework (VUF) for AI & Big Data** that will use different methods and techniques to identify and mitigate bias in AI and Big Data model by design.
- An **Explainable AI (XAI) Toolkit** to enhance trustworthiness, fairness and explainability, by enabling humans to reason about the outcomes of Explainable AI (XAI) & Situation-Aware

Explainability (SAX). XAI Toolkit will be combined with VUF to provide bias removal recommendations.

- A **Policy Recommendation Toolkit (PRT)** that will enable public authorities and other policy makers to reuse policy models and datasets in their policy development tasks.
- The **Bias Detector Toolkit** that will integrate functionalities such as: identify and quantify hidden biases and their root causes, and automatically fix or mitigate detected biases.
- A holistic **Blockchain-based Information Exchange (BIE)** solution for regulating access to the data by the various participants and facilitating the secure & trustful exchange of data across all stakeholders.

Based on the nature of technical activities in WP3 and WP4 (e.g., AI/ML/XAI/SAX tools, Federated Learning, Interactive Self-Explained Visualizations, Data Aggregation, Data/AI Governance, Regulatory Sandboxes, Qualitative Analysis, Bias Detector Toolkit, Assessment tools), the following aspects of AI4Gov are considered relevant to the ongoing standardisation and regulation activities:

- Connecting multiple AI tools and services through APIs and service interfaces to realise an extensible open platform.
- Exchange of data by the diverse tools and systems that need to be integrated through the platform.
- Establishing interconnectivity and interoperability of different policy models and datasets.
- Smart contracting through the use of blockchain technology.
- Security and privacy of information exchanged between partners in a collaboration and also the information exchanged through the platform.
- Linkage and interoperability of commonly used security protocols.
- The use of Cloud services for storage.

In standardisation, the development and experimentation of the AI4Gov platform will contribute towards several standards and regulations. AI4Gov contributions are expected to be in the areas of:

- Blockchain technology
- Cybersecurity
- Threat detection
- Trust assessment framework architecture
- Risk assessment
- Secure data and communication protocols
- Artificial intelligence
- Smart community infrastructures

4.3.1.2 Identification of relevant standards and regulations

The standardisation activities in AI4Gov project are designed with the focus on standardisation and utilisation of relevant regulations.

Based on the preliminary identification of relevant standardisation organizations, SIE, as lead of T7.2 Contributions to Standards and Policy Recommendations (WP7), has prepared a survey of

the relevant *standards* that project partners can leverage, participate, and contribute towards and relevant *regulations* that influence the operations of project partners in the context of carrying out necessary activities in the project.

The survey was sent out from July 20th to December 15th, 2023, for feedback from the partners. Partner contributions in this survey are summarised in Annex A. The following two sub-sections list the AI4Gov relevant standards and regulations.

4.3.1.2.1 Relevant Standards

Standards provide a set of guidelines and best practices related to service providers of all types and sizes to maintain consistency and security of their services. It also helps them to adapt with rapidly evolving technologies and keep pace with the competition. Moreover, standardisation organisations can provide valuable support to the implementation of public policy and help policy makers to:

- Identify solutions for energy efficiency;
- Save money and time by providing technical details and safety requirements needed for effective policies;
- Employ the expertise and ready-to-use solutions agreed upon various stakeholders' groups.

The following list records the standards that could be relevant to AI4Gov:

- **ISO/IEC JTC 1 Information Technology**
  - **ISO/IEC 19510:2013** Information technology - Object Management Group Business Process Model and Notation
- **IEEE XES** (eXtensible Event Stream) Standard: The goal of the XES Standard is to standardize a language to transport, store, and exchange (possibly large volumes of) event data (e.g., for process mining).
- **IEEE 1063-2001** Standard for Software User Documentation
- **ISO/IEC JTC 1/SC 27 Information security, cybersecurity and privacy protection:**
  - **ISO/IEC 27001:2022** Information security, cybersecurity and privacy protection - Requirements
- **ISO/IEC JTC 1/SC 32 Data management and interchange**
  - **ISO/IEC TR 10032:2003** Information technology - Reference Model of Data Management
  - **ISO/IEC 11179-3:2023** Information technology - Metadata registries (MDR) - Part 3: Metamodel for registry common facilities
  - **ISO/IEC 11179-6:2023** Information technology - Metadata registries (MDR) - Part 6: Registration
- **ISO/IEC JTC 1/SC 38 Cloud computing and distributed platforms:**
  - **ISO/IEC TS 5928:2023** Cloud computing and distributed platforms - Taxonomy for digital platforms
  - **ISO/IEC 19944-1:2020** Cloud computing and distributed platforms - Data flow, data categories and data use - Part 1: Fundamentals

- **ISO/IEC 19944-2:2022** Cloud computing and distributed platforms - Data flow, data categories and data use - Part 2: Guidance on application and extensibility
- **ISO/IEC 22123-3:2023** Information technology - Cloud computing - Part 3: Reference architecture
- **ISO/IEC TS 23167:2020** Information technology - Cloud computing - Common technologies and techniques
- **ISO/IEC 23751:2022** Data sharing agreement (DSA) framework
- **ISO/IEC TR 30102:2012** Information technology - Distributed Application Platforms and Services (DAPS) - General technical principles of Service Oriented Architecture

- **ISO/IEC JTC 1/SC 42 Artificial intelligence**
  - **ISO/IEC TS 4213:2022** Information technology - Artificial intelligence - Assessment of machine learning classification performance
  - **ISO/IEC 8183:2023** Information technology - Artificial intelligence - Data life cycle framework
  - **ISO/IEC 20546:2019** Information technology - Big data - Overview and vocabulary
  - **ISO/IEC TR 20547-1:2020** Information technology - Big data reference architecture - Part 1: Framework and application process
  - **ISO/IEC TR 20547-2:2018** Information technology - Big data reference architecture - Part 2: Use cases and derived requirements
  - **ISO/IEC 20547-3:2020** Information technology - Big data reference architecture - Part 3: Reference architecture
  - **ISO/IEC TR 20547-5:2018** Information technology - Big data reference architecture - Part 5: Standards roadmap
  - **ISO/IEC 22989:2022** Information technology - Artificial intelligence - Artificial intelligence concepts and terminology
  - **ISO/IEC 23053:2022** Framework for Artificial Intelligence (AI) Systems Using Machine Learning (ML)
  - **ISO/IEC TR 24027:2021** Information technology - Artificial intelligence (AI) - Bias in AI systems and AI aided decision making
  - **ISO/IEC TR 24028:2020** Information technology - Artificial intelligence - Overview of trustworthiness in artificial intelligence
  - **ISO/IEC TR 24030:2021** Information technology - Artificial intelligence (AI) - Use cases
  - **ISO/IEC TR 24368:2022** Information technology - Artificial intelligence - Overview of ethical and societal concerns
  - **ISO/IEC 24668:2022** Information technology - Artificial intelligence - Process management framework for big data analytics
- **ISO/TC 268 Sustainable cities and communities**
  - **ISO 37105:2019** Sustainable cities and communities - Descriptive framework for cities and communities
  - **ISO 37106:2021** Sustainable cities and communities - Guidance on establishing smart city operating models for sustainable communities

- **ISO 37122:2019** Sustainable cities and communities - Indicators for smart cities
- **ISO 37166:2022** Smart community infrastructures - Urban data integration framework for smart city planning (SCP)
- **ISO 37170:2022** Smart community infrastructures - Data framework for infrastructure governance based on digital technology in smart cities

4.3.1.2.2 Relevant Regulations

Applicable regulations ensure that project activities meet the necessary legal requirements for safety, security, and privacy. Therefore, it is important for all project partners to know which regulations need to be followed both, during the design and development of the platform, as well as for its operation.

The following regulations were identified by the AI4Gov partners:

- **General Data Protection Regulation (GDPR)**: Privacy and data protection, privacy by design need to be considered, incl. the right to be forgotten. This regulation affects AI4Gov both during the project and in the post-project phase.
- **Greek Law 4624/2019, GDPR** (in accordance with Regulation 679/2016 of the E. U.): Obligation to protect citizens' as well as employees' personal data.
- **Slovenian Personal Data Protection Act (ZVOP-2):** Privacy and data protection, privacy by design need to be considered, incl. the right to be forgotten. This regulation affects AI4Gov both during the project and in the post-project phase. However, the legal provisions are the same as in GDPR.
- **CETS 108 - Convention for the Protection of Individuals with regard to Automatic Processing of Personal Data (Convention 108):** Convention for the protection of individuals regarding the processing of personal data affects AI4Gov both during the project and in the post-project phase. The purpose of this Convention is to secure the right to privacy, with regard to automatic processing of personal data.
- **EC 2009/136 Directive on E-privacy:** Directive 2009/136/EC concerns the processing of personal data and the protection of privacy in the electronic communications sector. AI4Gov activities must comply with this directive. The E-privacy Directive covers processing of personal data and the protection of privacy including provisions on:
  - the security of networks and services;
  - the confidentiality of communications;
  - access to stored data;
  - processing of traffic and location data;
  - calling line identification;
  - public subscriber directories; and
  - unsolicited commercial communications.
- **EU 2022/868 Regulation on Data Governance Act:** The DGA covers the data of public bodies, private companies, and citizens. Its main aims are to safely enable the sharing of sensitive data held by public bodies, to regulate data sharing by private actors. This regulation affects AI4Gov both during the project and in the post-project phase.

- **Greek Law 4727/2020** "Digital Governance (Transposition to the Greek Legislation of Directive (EU) 2016/2102 and the Directive (EU) 2019/1024) – Electronic Communications (Transposition to the Greek Law of Directive (EU) 2018/1972) and other provisions": Law 4727/2020 contains provisions on the open availability and re-use of public sector documents, information, and data (OPEN DATA). Appropriate Datasets are available on the data.gov.gr portal. AI4Gov will examine if the provisions of the Law can be applied to the Datasets provided by Greek partners.
- **EU 2019/1024 Directive on open data and the re-use of public sector information**: The Open Data Directive mandates the release of public sector data in free and open formats. The overall objective of the Directive is to continue the strengthening of the EU's data economy by increasing the amount of public sector data available for re-use, ensuring fair competition and easy access public sector information, and enhancing cross-border innovation based on data. The AI4Gov seeks to leverage data from the public sector (ie, from municipalities and ministries) and enhance their usability and accessibility by following the laws and regulations of the EU.
- **eIDAS Regulation on Electronic Identification, Authentication and Trust Services:** This is a regulation that sets standards for electronic identification and authentication, as well as digital signatures and other trust services and affects AI4Gov both during the project and in the post-project phase.
- **EU 2022/2555 NIS2 Directive for cybersecurity:** The NIS2 Directive provides legal measures to establish a higher level of cybersecurity and resilience within organizations of the European Union. This directive affects AI4Gov during the project life.
- **HLEG Ethics guidelines for trustworthy AI:** Written by the High-Level Expert Group on AI (AI HLEG), these Guidelines set out a framework for achieving Trustworthy AI and will be considered during project life.
- **Greek Law 4961/2022** (contains regulations regarding the use of A.I in the public sector): Citizens should be informed when the Ministry employs A.I. methods
- **FAIR data principles:** As a quality standard, the FAIR principles have been widely accepted by EU policymakers and have ignited global debates about data stewardship in open science and data-driven research. The FAIR Principles for Scientific Data Management and Stewardship (Wilkinson, 2016) were published as guidelines to enhance digital asset Findability, Accessibility, Interoperability, and Reusability and will be followed throughout the whole lifecycle and data cycle of the project. Well-described, accessible, and standard data are essential for finding relevant data, performing machine analysis, and employing Artificial Intelligence (AI).
- **UNE 178201:2016 Smart cities. Definition, attributes and requirements:** Standardization governing Smart cities. Definition, attributes and requirements. (Not an ISO standard, but from the Spanish standardization body)
- **FIWARE Standards:** Standards set forth by the FIWARE Foundation, as a quality-control measure for solutions compatible with FIWARE software components. DPB's Public Service Smart Management Platform is based on FIWARE, and as such is compliant with said standards.

- **Gender Equality Plan:** ViLabs has published its GEP, that has developed and adopted since 2022. The present GEP translates ViLabs commitment to the promotion of gender equality setting it into an explicit goal. The GEP foresees the implementation as well as the monitoring and evaluation of specific intersectional gender equality actions around five thematic areas: Organisational Governance, Human Resources, Organisational Communication, Research and Gender/Sexual Harassment. In the context of AI4Gov, VIL will conduct intersectional and interdisciplinary gender analysis that will run through and beyond the project's scope, examining and understanding the effect of gender in AI, Big Data and democracy. An effective gender strategy will be used tailored to the needs of the project, and thus increase its societal relevance and acceptance and fostering the gendered innovation process.
- Regulations regarding social responsibility are to be considered during the project life:
    - **OECD-Guidelines**: The OECD Guidelines comprise a set of recommendations addressed by governments to companies, compliance with which is voluntary. The Guidelines stipulate principles and rules for responsible business conduct that is in line with internationally recognised standards.
    - **UN Global Compact**: UN Global Compact take into account the fundamental responsibilities of business in the areas of human rights, labour, environment and anti-corruption.
    - **UN Guiding Principles on Business and Human Rights:** The UN Guiding Principles on Business and Human Rights are a set of guidelines for States and companies to prevent, address and remedy human rights abuses committed in business operations.

4.3.2 WHERE

Based on the results of the distributed questionnaire, the following Standard Developing Organizations (SDOs) were suggested by the AI4Gov consortium for setting up liaisons and potentially submitting contributions:

- **BDVA** (Big Data Value Association): The BDVA is an industry-driven international not-for-profit organisation which focuses on all related areas of Big Data and AI technologies, such as infrastructures, data platforms, data spaces, data privacy, Industrial AI, business models, standardisation, skills, high performance computing, etc.
- **CEN-CENELEC** (European Committee for Standardization - European Committee for Electrotechnical Standardization): CEN-CENELEC is a provider of European Standards and technical specifications.
- **ECSO** (European Cyber Security Organisation): ECSO contributes to developing cybersecurity communities and building the European cybersecurity ecosystem. ECSO federates the European Cybersecurity public and private sector, including large companies, SMEs and start-ups, research centres, universities, end-users and operators of essential services, clusters and associations, as well as the local, regional and national public administrations across the European Union Members States and the European Free Trade Association (EFTA).

- **EDRi** (European Digital Rights) is an international advocacy group headquartered in Brussels, Belgium. EDRi is a network of non-profit organizations (NGO), experts, advocates and academics working to defend and advance fundamental rights in the digital environment.
- **ENISA** (European Union Agency for Cybersecurity): ENISA contributes to EU cyber policy and helps the EU and EU countries to be better equipped and prepared to prevent, detect and respond to information security problem.
- **EurAI** (European Association for Artificial Intelligence) is the representative body for the European artificial intelligence community. The main objective of this non-profit association is to promote the science and technology of artificial intelligence in Europe.
- **ISO** (International Organization for Standardization): It's an independent, non-governmental international organization that develops and publishes international standards.
- **W3C** (World Wide Web Consortium): This international community works to develop Web standards.

4.3.3 HOW

The first step in standardization is to properly document the process for future reference and audit purposes. This involves creating a written record of the steps involved in the process and any relevant policies, procedures, and guidelines that shall be respected. Proper documentation provides an overview of individual steps that lead to the result and ensures that identified improvements are implemented in a timely manner. Furthermore, the documentation must include the record and description of all activities performed within the task, project concepts and the connected existing standards.

The first iteration of this document is represented by Section 4.2.1. The Standardization Plan includes 4 main steps that need to be followed and closely monitored throughout AI4Gov project-life. The standardization process documentation will be stored in the project SharePoint and updated accordingly.

Like any other process, the standardization activities must be constantly monitored and analysed. To this end, it is essential to implement mechanisms to monitor the standardized processes continuously, so that necessary adjustments can be made as part of process improvement cycle.

After defining the key standardization activities that each task in AI4Gov project, in correlation with the identified assets for standardization, data will be collected and analysed on a regular basis. This will help identifying the areas where the standardization process is not being followed correctly or where improvements can be made. Taking feedback from individual tasks by way of performance metrics helps track the effectiveness of standardization.

4.3.4 WHO

The standardization process implies that all AI4Gov project partners are familiar with the task's goal and the standardization strategy. In this scope, all partners shall participate in a proper training about how the standardization process works. Additionally, working groups will be defined to check the engagement process. These activities will be carried out by SIE, the task lead of T7.2 Contributions to Standards and Policy Recommendations (WP7).

The strategic direction in AI4Gov is to pursue and support the following activities:

- According to the relevance of their roles in the project, the project partners shall ensure the compatibility and interoperability for their services/solutions and user scenarios/pilots with the relevant standards identified in this document.
- Partners shall support SIE and MAG and contribute towards the compliance, application and development of standards in the areas of relevance to the AI4Gov and partner/user activities.
- Project partners shall contribute to activities in Standards Development Organisations (SDOs) working on interoperability standards for security and for linking communication protocols in order to provide end-to-end security for developed systems.
- Project partners shall participate towards creating a hierarchical catalogue of technical and social measures for assuring privacy protection. Digitising implies processing of data which includes personal data within the definition of the GDPR. This means, in addition to technical measures to ensure the security of the data, additional technical and social measures are needed in AI4Gov to protect the privacy of personal data. Such social or non-technical measures will include, e.g., codes of conduct, charters and certifications, best practice guidelines, collection of evidence of privacy protection assurance, etc.
- Partners shall periodically review and align their standardisation activities and provide a report for internal and external awareness.

To make sure that AI4Gov contributes towards international standardisation through collaborating with European, International and other standardisation organisations, the relevant technical committees and their specific standards will be studied in T7.2. In this respect, based on the identification relevant standardisation areas, SIE has prepared a list of relevant and active standardisation initiatives that AI4Gov partners can leverage, participate, and contribute towards, as shown in Table 14. While preparing the list of standardisation initiatives, the following relevance criteria have been considered:

- Relevance of existing technical committees to the objectives of AI4Gov.
- Relevance of existing EN-, ISO- and IEC-Standards within the responsibility and the work programme of the above technical committees.
- Relevance of existing EN-, ISO- and IEC-Standards already applied by AI4Gov partners.
- Relevance of the overlapping standards which hinder the development of AI4Gov platform.
- The need of new necessary standards to support the development of the AI4Gov platform.

Table 14: AI4Gov Standardisation initiatives

WHAT		WHERE	WHO
Topic / Working Group	**Relevant (existing) Standards**	**Related AI4Gov Activities**	**Partners**
Information Technology	ISO/IEC 19510:2013	IBM will closely monitor these standards in relation to XAI Library task in **WP4**.	IBM
	IEEE XES		
Software and systems engineering	IEEE 1063-2001	SIE and UPRC will follow recommendations provided by IEEE 1063-2001 in relation with AI4Gov Extensible Open Platform task in **WP3**.	SIE, UPRC
Information security, cybersecurity and privacy protection	ISO/IEC 27001:2022	HRF (**WP2**) will follow ISO/IEC 27001 about information security. Data process and analysis will be structured on confidentiality, integrity, and availability of data. VIL is a certified organisation for ISO 27001.	MAG, SIE, UBI, VIL, UPRC, JSI, AUTH, MT, VVV
Data management and interchange	ISO/IEC TR 10032:2003	AI4Gov partners will investigate these standards that provide information on how to identify organizations and organizational parts in data interchange. These standards will be analysed during company registration phase or when exchanging business messages. Partners involved in **WP3**, **WP4**, **WP6** will closely monitor these standards.	MAG, SIE, UPRC
	ISO/IEC 11179-3:2023		
	ISO/IEC 11179-6:2023		
Cloud computing and distributed platforms	ISO/IEC TS 5928:2023	This list of standards provides a comprehensive vocabulary and guidance on application and extensibility that is relevant to all types of organizations. There is little potential to further enhance these standards and therefore the activities in AI4Gov project will focus on the use of this standard terminologies across project documents and dissemination channels.	MAG, UPRC
	ISO/IEC 19944-1:2020		
	ISO/IEC 19944-2:2022		
	ISO/IEC 22123-3:2023		
	ISO/IEC TS 23167:2020		
	ISO/IEC 23751:2022		
	ISO/IEC TR 30102:2012		
Artificial intelligence	ISO/IEC TS 4213:2022	**WP4**, **WP5** and **WP6** partners will monitor these standards based on their implications in the Big	

	ISO/IEC 8183:2023	Data, AI and Trustworthy activities related to WP4/WP5/WP6 tasks.	MAG, SIE, IBM, UPRC, JSI, AUTH
	ISO/IEC 20546:2019		
	ISO/IEC TR 20547-1:2020		
	ISO/IEC TR 20547-2:2018		
	ISO/IEC 20547-3:2020		
	ISO/IEC TR 20547-5:2018		
	ISO/IEC 22989:2022		
	ISO/IEC 23053:2022		
	ISO/IEC TR 24027:2021		
	ISO/IEC TR 24028:2020		
	ISO/IEC TR 24030:2021		
	ISO/IEC TR 24368:2022		
	ISO/IEC 24668:2022		
Sustainable cities and communities	ISO 37105:2019	These standards offer a descriptive framework for sustainable cities and communities and will be monitored during **WP5** and **WP6** project activities.	MAG, AUTH, VVV
	ISO 37106:2021		
	ISO 37122:2019		
	ISO 37166:2022		
	ISO 37170:2022		

The activities in the above table will be promoted among all project partners in order to raise their awareness and also to promote the uptake and exploitation of the different standards. The task lead (SIE) will carefully monitor the technical activities in the AI4Gov project with the view to provide necessary support towards the adoption/uptake of existing or development of standards.

4.4 Most relevant standards to AI4Gov

Following the identification of potential standards to which AI4Gov could contribute, the subsequent step involves refining the list and evaluating the most appropriate standards. To ensure a well-founded decision, the project carefully considered several criteria, such as expertise, relevance and opportunities for collaboration. AI4Gov assessed its internal capabilities and compared them with the technical focus and requirements of the identified standards development organizations (SDOs) and relevant interest groups. By aligning its expertise with the goals and activities of these organizations, the project sought to ensure valuable and impactful contributions.

Regarding the information security, cybersecurity and privacy protection, ISO/IEC 27001:2022 is among the most widely recognised standards. In the AI4Gov project, ISO/IEC 27001:2022 plays a pivotal role in ensuring that the handling of sensitive data, including citizen information, policy records, and governmental workflows, aligns with global security standards. This standard aligns AI4Gov's goals with stringent regulatory requirements, enhancing its credibility and building trust among its stakeholders. Similarly, municipalities and ministries are more likely to endorse and utilize a system that prioritizes security and reliability at its core. In this way, AI4Gov is aligning its data management practices with internationally recognised information security standards, ensuring the confidentiality and integrity of sensitive data. This includes the protection of citizen information, policy records and governmental workflows. The AI4Gov' Visualization Workbench provides users with access to information that is tailored to their specific role and responsibilities within the system. This ensures that each user only has access to the relevant data and tools needed to perform their tasks efficiently and securely. By implementing role-based access controls, AI4Gov not only enhances operational efficiency but also ensures that sensitive information is safeguarded, limiting exposure to unauthorized individuals. This approach fosters a more organized and secure environment, where users can focus on their designated responsibilities without the risk of accessing unnecessary or irrelevant data. Additionally, it aligns with best practices for data privacy and security, ensuring that each user can interact with the tools in a way that is appropriate for their role and level of authority.

Moreover, the utilisation of the blockchain technology within AI4Gov can be beneficial for organizations that want to ensure the transparency and integrity. In this way, due to its decentralized and immutable nature, blockchain provides a robust solution and ensures that data is not tampered with. Thus, blockchain supports the data integrity of this standard. Each action taken on the blockchain (such as a transaction or a data modification) is logged, creating a permanent, traceable record that can be used to enforce accountability and identify unauthorized access. In this way, participants in a transaction cannot deny their involvement, this providing transparency and reliability in the developed tools. Blockchain technology can become helpful in detecting unauthorized access and can help mitigate potential risks.

Another relevant standard for AI4Gov is ISO/IEC TR 24028:2020, from the Artificial Intelligence area. It is entitled "AI – Overview of Trustworthiness in Artificial Intelligence" and it is extremely relevant to the project's objectives as it provides a comprehensive framework for assessing trustworthiness of AI systems. This standard is based on several key elements, such as

transparency, accuracy, safety and reliability. It is also based on establishing potential mitigation techniques in case of any risk. The standard's focus on transparency ensures that AI decisions are understandable and auditable, which is vital for public-sector applications where accountability is important. This ensures the implementation of AI in a way that it adheres to ethical principles. By adopting a structured approach to AI reliability, AI4Gov ensures that its long-term goals remain on track. The Bias Detector Catalogue tool is an AI4Gov tool which adheres to this standard as well. It emphasizes the trustworthiness of AI systems by addressing key aspects such as transparency, fairness, and accountability. The Catalogue's comprehensive range of tools and solutions, designed to detect and mitigate bias at various stages of AI development, directly supports the standard's guidelines for ensuring fairness in AI systems.

AI4Gov also aligns with the ISO/IEC TR 24027:2021 AI standard, which stands for Bias in AI systems and AI aided decision making. Is ensures fairness and avoids bias, offers transparency and addresses unwanted bias through treatment strategies. Among AI4Gov's tools, The Bias Detector Catalogue also aligns with this standard, enhancing the project's objective to mitigate bias and to ensure transparency. The Bias Detector Catalogue provides a structured approach to uncovering biases across various stages, from data collection to model deployment, ensuring that AI4Gov can systematically identify and mitigate biases in accordance with the standard's guidelines. The Bias Detector Catalogue enables AI4Gov to evaluate the effects of bias on algorithmic decisions and ensure that any negative impacts on fairness, equity, and public trust are minimized. This alignment reinforces the project's dedication to fairness, accountability, and ethical AI deployment, ensuring that its systems foster public trust and meet the expectations of stakeholders in line with global standards.

4.5 Summary

Standardisation is one of the most powerful tools of the technological and economic infrastructure of a nation as well as of a region and greatly influences its competitive ability and the strategies of companies. Digital transformation of public sphere is not happening in a regulation-free environment and legal compliance is mandatory. Therefore, standardisation is of special importance in supporting the digital transformation of political systems and public institutions.

For these reasons, it is important for all project partners to recognise the benefits of standardisation and to address findings that could improve the European and global framework of standards. In addition, project partners need to be aware of which regulations should be followed during the design and development of the project platform as well as for its operation.

The first deliverable within task T7.2 Contributions to Standards and Policy Recommendations (WP7) provides an overview of ongoing activities and initiatives taken towards standardization. Before engaging in further standardization activities, alignment with existing standards is a crucial step and allows the project consortium to make use of best practices and identify any gaps that can be addressed through its work. By aligning with existing standards, AI4Gov can build upon a solid foundation and contribute to the advancement of related standards.

This deliverable offers a list of relevant standards and applicable regulations in AI4Gov project. It also defines and establishes the interface and cooperation processes with relevant Standard Developing Organizations (SDOs) at an early stage. Through these collaborations, AI4Gov aims to contribute to existing work in various forms, including presentations, active participation in meetings, or even introducing new work items that align with its objectives and expertise.

Existing standards continuously require optimizations and new contributions in relation to the rapid growth of the technical advancements and contributions to policy making. AI4Gov targets the contribution to standards from various domains such as Information Technology, Blockchain and distributed ledger technologies, Sustainable cities and communities. Additionally, AI4Gov main's objective is to help in policy making by providing an AI Holistic Regulatory Framework (HRF) which protects citizens from potential abuse enabled by the use of Big Data and AI. The HRF will be in-line with existing standards, applicable laws, protocols, and regulations, but also with ethical recommendations for AI (e.g., the recommendations of the HLEG).

Furthermore, the standardisation plan described in this document provides a number of helpful foundations and clear directions for AI4Gov project partners. It is also intended to initiate and structure cooperation with SDOs.

Standardisation is a dynamic topic that will be actively observed throughout all project phases in order to achieve an optimal contribution to standardisation and alignment between the project activities and related standards and regulations. The subsequent work in T7.2 and the deliverable D7.4 will build on this deliverable to monitor and update the planned activities, leading to a visible impact of the AI4Gov project in the wider area of standardisation.

5 Conclusions

In this document we updated on the communication, dissemination and standardization activities carried out until the end of the second year, aimed at raising awareness of the AI4Gov project, informing about its progress, demonstrating its results, and engaging potential stakeholders.

During the second year AI4Gov was presented in a significant number of events, several of them organized by project partners, and was also adequately communicated through social media, as evident from the respective KPIs.

With tangible results to demonstrate, activities during the third year will focus on participation at prominent international events, aiming at the adoption of the solutions by potential stakeholders. Emphasis will also be placed on the project's contribution to standards and policies.

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APPENDIX A - Survey on Standards & Regulations

Relevant Standards for AI4Gov

	Relevant **Standards** for AI4Gov *Which of the following standards are relevant for AI4Gov project?	MAG	SIE	IBM	UBI	VIL	UPRC	JSI	AUTH	DPB	MT	VVV	WLC
Information Technology	**ISO/IEC JTC 1 Information Technology**												
	ISO/IEC TS 5723:2022 Trustworthiness - Vocabulary												
	ISO/IEC 19464:2014 Advanced Message Queuing Protocol (AMQP)												
	ISO/IEC 19510:2013 Object Management Group Business Process Model and Notation			x									
	ISO/IEC 19845:2015 Universal Business Language Version 2.1 (UBL v2.1)												
	ISO/IEC 21972:2020 Upper-level ontology for smart city indicators												
	ISO/IEC 24039:2022 Smart city digital platform reference architecture - Data and service												
	ISO/IEC 30145-1:2021 Smart City ICT reference framework - Part 1: Smart city business process framework												
	ISO/IEC 30145-2:2020 Smart City ICT reference framework - Part 2: Smart city knowledge management framework												
	ISO/IEC 30145-3:2020 Smart City ICT reference framework - Part 3: Smart city engineering framework												
	ISO/IEC 30146:2019 Smart city ICT indicators												
	ISO/IEC 30182:2017 Smart city concept model - Guidance for establishing a model for data interoperability												
	IEEE eXtensible Event Stream (XES) Standard			x									
Software & System engineering	**ISO/IEC JTC 1/SC 7 Software and systems engineering**												
	ISO/IEC/IEEE 14764:2022 Software life cycle processes - Maintenance												
	ISO/IEC 16350:2015 Application management												
	ISO/IEC 25010:2011 Systems and software Quality Requirements and Evaluation (SQuaRE) - System and software quality models												
	ISO/IEC/IEEE 29119-1:2022 Software testing - Part 1: General concepts												
	ISO/IEC/IEEE 29119-2:2021 Software testing - Part 2: Test processes												
	ISO/IEC/IEEE 29119-3:2021 Software testing - Part 3: Test documentation												
	ISO/IEC/IEEE 29119-4:2021 Software testing - Part 4: Test techniques												
	ISO/IEC TR 29119-11:2020 Software testing - Part 11: Guidelines on the testing of AI-based systems												
	ISO/IEC TS 33052:2016 Process reference model (PRM) for information security management												
	IEEE 1063-2001 Standard for Software User Documentation		x				x						
	IEEE 1074-1991 Standard for Developing Software Life Cycle Processes												

Information Security	**ISO/IEC JTC 1/SC 27 Information security, cybersecurity and privacy protection**												
	ISO/IEC 15408-1:2022 Evaluation criteria for IT security - Part 1: Introduction and general model												
	ISO/IEC 15408-2:2022 Evaluation criteria for IT security - Part 2: Security functional components												
	ISO/IEC 15408-3:2022 Evaluation criteria for IT security - Part 3: Security assurance components												
	ISO/IEC 15408-4:2022 Evaluation criteria for IT security - Part 4: Framework for the specification of evaluation methods and activities												
	ISO/IEC 15408-5:2022 Evaluation criteria for IT security - Part 5: Pre-defined packages of security requirements												
	ISO/IEC 18045:2022 Evaluation criteria for IT security - Methodology for IT security evaluation												
	ISO/IEC 27000:2018 Security techniques - Information security management systems - Overview and vocabulary												
	ISO/IEC 27001:2022 Information security management systems - Requirements	x	x		x	x	x	x	x		x	x	
	ISO/IEC 27002:2022 Information security controls												
	ISO/IEC 27003:2017 Security techniques - Information security management systems - Guidance												
	ISO/IEC 27017:2015 Security techniques - Code of practice for information security controls based on ISO/IEC 27002 for cloud service												
	ISO/IEC TS 27570:2021 Privacy protection - Privacy guidelines for smart cities												
	ISO/IEC TS 30104:2015 Security techniques - Physical Security Attacks, Mitigation Techniques and Security Requirements												
	ISO/IEC 30111:2019 Security techniques - Vulnerability handling process												
	ITU-T X.1205 Overview of cybersecurity												
Data management	**ISO/IEC JTC 1/SC 32 Data management and interchange**						x						
	ISO/IEC TR 10032:2003 Reference Model of Data Management	x					x						
	ISO/IEC 11179-1:2023 Metadata registries (MDR) - Part 1: Framework												
	ISO/IEC TR 11179-2:2019 Metadata registries (MDR) - Part 2: Classification												
	ISO/IEC 11179-3:2023 Metadata registries (MDR) - Part 3: Metamodel for registry common facilities		x				x						
	ISO/IEC 11179-4:2004 Metadata registries (MDR) - Part 4: Formulation of data definitions												
	ISO/IEC 11179-6:2023 Metadata registries (MDR) - Part 6: Registration		x										

Cloud computing	**ISO/IEC JTC 1/SC 38 Cloud computing and distributed platforms**												
	ISO/IEC TS 5928:2023 Cloud computing and distributed platforms - Taxonomy for digital platforms						x						
	ISO/IEC 19941:2017 Cloud computing - Interoperability and portability												
	ISO/IEC 19944-1:2020 Data flow, data categories and data use - Part 1: Fundamentals	x					x						
	ISO/IEC 19944-2:2022 Data flow, data categories and data use - Part 2: Guidance on application and extensibility						x						
	ISO/IEC 22123-1:2023 Cloud computing - Part 1: Vocabulary												
	ISO/IEC 22123-2:2023 Cloud computing - Part 2: Concepts												
	ISO/IEC 22123-3:2023 Cloud computing - Part 3: Reference architecture						x						
	ISO/IEC TS 23167:2020 Cloud computing - Common technologies and techniques						x						
	ISO/IEC TR 23186:2018 Cloud computing - Framework of trust for processing of multi-sourced data												
	ISO/IEC 23751:2022 Data sharing agreement (DSA) framework						x						
	ISO/IEC TR 30102:2012 Distributed Application Platforms and Services (DAPS) - General technical principles of Service Oriented Architecture						x						
	IEEE 2301-2020 Guide for Cloud Portability and Interoperability Profiles (CPIP)												
	IEEE 2302-2021 Standard for Intercloud Interoperability and Federation (SIIF)												
Internet of Things (IoT)	**ISO/IEC JTC 1/SC 41 Internet of things and digital twin**												
	ISO/IEC 21823-1:2019 Interoperability for IoT systems - Part 1: Framework												
	ISO/IEC 21823-3:2021 Interoperability for IoT systems - Part 3: Semantic interoperability												
	ISO/IEC TR 22417:2017 Internet of things (IoT) use cases												
	ISO/IEC 30141:2018 Internet of Things (IoT) - Reference Architecture												
	ISO/IEC 30147:2021 Methodology for trustworthiness of IoT system/service												
	ISO/IEC AWI 30149 Internet of things (IoT) - Trustworthiness framework												
	ISO/IEC 30161-1:2020 Requirements of IoT data exchange platform for various IoT services - Part 1: General requirements and architecture												
	ISO/IEC 30161-2:2023 Data exchange platform for IoT services - Part 2: Transport interoperability between nodal points												
	ISO/IEC TR 30164:2020 Internet of things (IoT) - Edge computing												
	ISO/IEC 30165:2021 Internet of Things (IoT) - Real-time IoT framework												
	ISO/IEC TR 30176:2021 Integration of IoT and DLT/blockchain: Use cases												
	IEEE 2413-2019 Standard for an Architectural Framework for the Internet of Things												

Artificial Intelligence (AI)	**ISO/IEC JTC 1/SC 42 Artificial intelligence**							x	x				
	ISO/IEC TS 4213:2022 AI - Assessment of machine learning classification performance						x	x	x				
	ISO/IEC 8183:2023 AI - Data life cycle framework		x				x	x	x				
	ISO/IEC 20546:2019 Big data - Overview and vocabulary							x	x				
	ISO/IEC TR 20547-1:2020 Big data reference architecture - Part 1: Framework and application process		x				x	x	x				
	ISO/IEC TR 20547-2:2018 Big data reference architecture - Part 2: Use cases and derived requirements		x				x	x	x				
	ISO/IEC 20547-3:2020 Big data reference architecture - Part 3: Reference architecture	x	x				x	x	x				
	ISO/IEC TR 20547-5:2018 Big data reference architecture - Part 5: Standards roadmap	x	x				x	x	x				
	ISO/IEC 22989:2022 AI - Artificial intelligence concepts and terminology						x	x	x				
	ISO/IEC 23053:2022 Framework for AI Systems Using Machine Learning (ML)						x	x	x				
	ISO/IEC TR 24027:2021 AI - Bias in AI systems and AI aided decision making	x					x	x	x				
	ISO/IEC TR 24028:2020 AI - Overview of trustworthiness in artificial intelligence	x		X			x	x	x				
	ISO/IEC TR 24030:2021 Artificial intelligence (AI) - Use cases							x	x				
	ISO/IEC TR 24368:2022 AI - Overview of ethical and societal concerns						x	x	x				
	ISO/IEC 24668:2022 AI - Process management framework for big data analytics	x						x	x				
Sustainable cities and communities	**ISO/TC 268 Sustainable cities and communities**												
	ISO 37105:2019 Descriptive framework for cities and communities								x				
	ISO 37106:2021 Guidance on establishing smart city operating models for sustainable communities	x							x				
	ISO 37122:2019 Indicators for smart cities								x			x	
	ISO 37166:2022 Urban data integration framework for smart city planning (SCP)								x				
	ISO 37170:2022 Data framework for infrastructure governance based on digital technology in smart cities	x							x				
Blockchain	**ISO/TC 307 Blockchain and distributed ledger technologies (DLT)**												
	ISO/TR 3242:2022 Use cases												
	ISO/TR 6039:2023 Identifiers of subjects and objects for the design of blockchain systems												
	ISO 22739:2020 Vocabulary												
	ISO/TR 23244:2020 Privacy and personally identifiable information protection considerations												
	ISO/TR 23249:2022 Overview of existing DLT systems for identity management												
	ISO 23257:2022 Reference architecture												
	ISO/TS 23258:2021 Taxonomy and Ontology												
	ISO/TR 23455:2019 Overview of and interactions between smart contracts in blockchain and distributed ledger technology systems												
	ISO/TR 23576:2020 Security management of digital asset custodians												
	ISO/TS 23635:2022 Guidelines for governance												
	ISO/TR 23644:2023 Overview of trust anchors for DLT-based identity management												
	IEEE 2144.1-2020 Standard for Framework of Blockchain-based Internet of Things (IoT) Data Management												
	IEEE 2418.2-2020 Standard for Data Format for Blockchain Systems												
	IEEE 2418.10-2022 Standard for Blockchain based Digital Asset Management												
	IEEE 3205-2023 Standard for Blockchain Interoperability Data Authentication and Communication Protocol												

Relevant Regulations for AI4Gov

Relevant **Regulations** for AI4Gov *Which of the following regulations are relevant for AI4Gov project?	MAG	SIE	IBM	UBI	VIL	UPRC	JSI	AUTH	DPB	MT	VVV	WLC
GDPR (General Data Protection Regulation)	x	x	X	x	x	x	x	x	x	x	x	x
Greek Law 4624/2019 regarding GDPR								x		x	x	x
Slovenian Personal Data Protection Act (ZVOP-2) regarding GDPR							x	x				x
Convention 108		x						x				x
EC 2009/136 Directive on E-privacy	x	x						x				x
EU 2022/868 Regulation on Data Governance Act	x	x				x		x			x	x
Greek Law 4727/2020 regarding digital governance								x			x	x
EU 2019/1024 Directive on open data and the re-use of public sector information	x					x		x			x	x
eIDAS Regulation on Electronic Identification, Authentication and Trust Services		x										
EU 2022/2555 NIS2 Directive for cybersecurity		x						x				
HLEG Ethics guidelines for trustworthy AI	x	x				x		x			x	x
Greek Law 4961/2022 regarding use of AI in public sector								x		x	x	x
FAIR data principles	x				x	x					x	x
UNE 178201:2016 Smart cities. Definition, attributes and requirements								x	x			x
FIWARE Standards									x			
Gender Equality Plan					x	x		x				x
OECD-Guidelines	x	x				x		x				x
UN Global Compact		x										
UN Guiding Principles on Business and Human Rights		x										

Relevant SDOs for AI4Gov

Relevant **SDOs** for AI4Gov *Which of the following Standard Developing Organizations (SDOs) are relevant for AI4Gov project?	MAG	SIE	IBM	UBI	VIL	UPRC	JSI	AUTH	DPB	MT	VVV	WLC
AIOTI (Alliance for IoT and Edge Computing Innovation)												
ANSI (American National Standards Institute)												
ASTM International												
BDVA (Big Data Value Association)	x	x			x	x		x			x	
CEN-CENELEC (European Committee for Standardization - European Committee for Electrotechnical Standardization)					x							
ECSO (European Cyber Security Organisation)								x				
EDRi (European Digital Rights)	x	x			x	x		x		x	x	
ENISA (European Union Agency for Cybersecurity)	x	x				x				x	x	
ETSI (European Telecommunications Standards Institute)												
EurAI (European Association for Artificial Intelligence)	x	x			x	x		x		x	x	
IEC (International Electrotechnical Commission)												
IEEE (Institute of Electrical and Electronics Engineers)												
IETF (Internet Engineering Task Force)												
ISO (International Organization for Standardization)	x	x			x	x		x		x	x	
ITU (International Telecommunications Union)												
W3C (World Wide Web Consortium)					x	x					x	