

D1.3 Interim report on legal and ethical impact assessment

Related Work Package	WP1 – Project Management and Coordination
Related Task	Task 1.4. – Legal and Ethical Compliance
Lead Beneficiary	KU Leuven
Contributing Beneficiaries	
Document version	v.1.0
Deliverable Type	R-Document, Report
Distribution level	PU - Public
Contractual Date of Delivery	31/03/2025
Actual Date of Delivery	01/04/2025

Authors	Jean De Meyere (KU Leuven)
	Abdullah Elbi (KU Leuven)
	Ana Maria Corrêa (KU Leuven)
Reviewers	Asbjørn Følstad (SINTEF)
	Davide Moroni (CNR)



Funded by the European Union. Views and opinions expressed are however those of the author(s) only and do not necessarily reflect those of the European Union or Directorate-General for Communications Networks, Content and Technology. Neither the European Union nor the granting authority can be held responsible for them.



Version history

Version	Description	Date completed
v0.1	TOC preparation	20.09.2024
v0.2	First version of the Deliverable for external review	03.02.2025
v0.3	Integration of the EEAB comments and second version of the Deliverable for internal review	03.03.2025
v1.0	Integration of the comments from internal reviewers and sent to the Coordinator for approval	31.03.2025

Statement of Originality

This deliverable contains original unpublished work except where clearly indicated otherwise. Acknowledgement of previously published material and of the work of others has been made through appropriate citation, quotation or both.

Disclaimer

This document contains material, which is the copyright of one or more FAITH consortium parties, and may not be reproduced or copied without permission.

All FAITH consortium parties have agreed to full publication of this document.

The commercial use of any information contained in this document may require a license from the proprietor of that information.

Neither the FAITH consortium as a whole, nor individual FAITH consortium parties, warrant that the information contained in this document is capable of use, nor that use of the information is free from risk, accepting no liability for loss or damage suffered by any person using this information.



Executive summary

This deliverable introduces a comprehensive framework for assessing regulatory and ethical risks within the FAITH's Trustworthiness Assessment Framework (TAF). The assessment examines the respect of trustworthy AI characteristics by the FAITH AI_TAF. We consider the characteristics established by the EU High-Level Expert Group (HLEG): fairness and non-discrimination, technical accuracy and robustness, privacy and data governance, transparency in AI decision-making, human oversight mechanisms, societal and environmental well-being, and accountability measures. The assessment further considers those requirements in light of EU digital regulations, including the EU AI Act, GDPR, cybersecurity regulations, and anti-discrimination laws.

The deliverable consists of two complementary components. First, a **spreadsheet** template **in .xls and .ods format** provides a detailed questionnaire to gather the information necessary to complete the assessment. Second, a text document in pdf format that contains a theoretical explanation of the regulatory and ethical framework the questionnaire focuses on, guidance on how to complete the questionnaire and links to additional resources and templates **for regulatory assessments such as Data Protection Impact Assessments (DPIAs) or Fundamental Rights Impact Assessments (FRIAs).**

The assessment considers FAITH's seven large scale pilots (LSPs), focusing on seven domains: media, transportation, education, port infrastructure, waste-water treatment, healthcare and active ageing. While the assessment primarily focuses on the FAITH AI_TAF itself, it will as well take into account the impact of the FAITH AI_TAF on regulatory and ethical compliance for the LSPs. This deliverable, however, does not serve as a legal and ethical assessment of the AI system under test in each LSP. This interim report will evolve based on changes in EU legal frameworks, internal and external recommendations, and the evolution of best practices in AI governance.



Table of Contents

	1.	Intr	roduction	8	
	1.1.	Pur	pose of FAITH	8	
	1.2.	Pur	pose of this deliverable	10	
	1.3.	Inp	ut from and contribution to other deliverables and project	11	
	1.4.	Str	ucture of the document	11	
2	. The	e the	eoretical framework for trustworthy AI from a legal & ethical perspectiv	e	13
	2.1.	Imp	pact Assessment for AI Technologies in the EU	13	
	2.2.	Fur	ndamental Rights in the EU	13	
	2.3.	Dat	a protection Rules (GDPR)	16	
	2.3	.1.	Theoretical overview	16	
	2.3	.2.	Data Protection Impact Assessment – DPIA	17	
	2.4.	Cyb	persecurity obligations	20	
	2.4	.1.	Theoretical overview	20	
	2.4	.2.	In practice	21	
	2.4	.3.	Relevance for FAITH	23	
	2.5.	Ant	ti-discrimination regulation	24	
	2.5	.1.	Theoretical overview	24	
	2.5	.2.	In Practice	24	
	2.5	.3.	Relevance for FAITH	26	
	2.6.	The	EU AI Act	28	
	2.6	.1.	Theoretical overview	28	
	2.6	.2.	In Practice	31	
	2.6	.3.	Overview of (selected) assessment framework	32	
	2.6	.4.	Relevance for FAITH	33	
	2.7.	Eth	ical Obligations	33	
	2.7	.1.	The High-level expert group on Artificial Intelligence	33	
	2.7	.2.	The Fundamental Rights-Based Approach	34	
	2.7	.3.	Ethical Principles and Key Requirements	34	
	2.7	.4.	The Assessment List for Trustworthy Al	34	
	2.7	.5.	Assessing the FAITH AI_TAF through the HLEG AI Lens	35	
3	. The	e Ho	w-To: instructions for the assessment		37
	3.1.	Wh	o Will Carry Out or Be Involved in the Legal and Regulatory Assessment	: of	
	FAITH	I AI_	_TAF	37	
	3.2.	Wh	en Will the AI system(s) impact assessment of the FAITH_AI TAF Be		
	Cond	ucte	d?	38	
	3.3.	Но	w Will the AI system(s) impact assessment of the FAITH_AI TAF Be		
	Cond	ucte	d in Practice?	38	



3	.4.	The	review by the External Ethics Advisory Board	40	
4.	Ass	essn	nent template for the FAITH AI_TAF		41
4	.1.	Des	cription of the FAITH AI_TAF	41	
	4.1	.1.	General Information	41	
	4.1	.2.	Privacy – General Information	41	
	4.1	.3.	General Technological Information	42	
4	.2.	AI A	Act Assessment	45	
4	.3.	Leg	al and Ethical Risk Impact Assessment	49	
	4.3	.1.	Legal Risks	49	
	4.3	.2.	Ethical Risks	50	
	4.3	.3.	Legal and Ethical Risk Identification	50	
	4.3	.4.	Legal and ethical Risk Management	60	
	4.3	.5.	Legal and ethical Risk Mitigation	61	
5.	Соі	nclus	sion		62
6.	Ref	erer	nces		63
7.	An	nex .			66



List of Figures

Figure 1 - Fundamental Rights in the EU

List of Tables

Table 1 - Description of LSPs

Table 2 - FAITH AI_TAF's supporting tools

- Table 3 Fundamental Rights in the context of LSPs
- Table 4 Forms of discrimination
- Table 5 Legally Protected Grounds in the Access to and Supply of Goods and Services in EU countries based on the Country Report non-discrimination 2023 compiled by the European Equality Law Network
- Table 6 Applicability of the AI Act
- Table 7 Additional Ethical Frameworks for LSPs
- Table 8 Cluster of partners for the assessment
- Table 9 Division of the questionnaire
- Table 10 General Information Question
- Table 11- General Privacy Questions
- Table 12 General Technological Questions
- Table 13 AI Act General Information
- Table 14 AI Act Classification
- Table 15 AI Models Interactions
- Table 16 Human Oversight Assessment
- Table 17 Technical Robustness and Safety Assessment
- Table 18 Privacy and Data Governance Assessment
- Table 19 Transparency Assessment
- Table 20 Fairness Assessment
- Table 21- Societal and environmental well-being assessment
- Table 22 Accountability Assessment
- Table 23- Risk assessment matrix



List of Abbreviations

Abbreviation	Explanation
ALTAI	Assessment List for Trustworthy Artificial Intelligence
CSA	Cybersecurity Act
CRA	Cyber Resilience Act
DPO	Data Protection Officer
DPIA	Data Protection Impact Assessment
EDPB	European Data Protection Board
EEAB	External Ethics Advisory Board
ENISA	EU Agency for Cybersecurity
FAITH	Fostering Artificial Intelligence Trust for Humans
FRIA	Fundamental Rights Impact Assessment
GDPR	General Data Protection Regulation
GPAI	General-Purpose Artificial Intelligence
HLEG	High-Level Expert Group for Al
LSP	Large Scale Pilot
NIST	National Institute of Standards and Technology
TAF	Trustworthiness Assessment Framework



Introduction 1.

1.1. Purpose of FAITH

FAITH (Fostering AI Trust for Humans) aims to enhance awareness and foster cooperation among various stakeholders working on various aspects of trustworthiness at different stages of an AI-system lifecycle. FAITH aims to provide AI practitioners and stakeholders with a practical playbook for how to assess and build trustworthy AI systems and to measure systems' trustworthiness continuously. By adopting a human-centric, trustworthiness assessment framework (the FAITH AI TAF), FAITH enables the testing, measuring and optimisation of risks associated with AI trustworthiness in critical domains. The developed FAITH AI_TAF will be validated throughout seven large scale pilots (LSP) activities in identified critical domains, namely robotics, education, media, transport, healthcare, active ageing and industrial processes. Table 1 describes the objective of each of these LSPs.

Domain	Description
LSP 1 Media	The pilot will assess the AI trustworthiness of a solution for supporting local journalists in characterising if a locally developed narrative is true or false, before it takes the form of a news item and is forwarded to the PRESShub's news portal, a portal that congregates news content from 38 regional media organisations in Romania.
LSP 2 Transport	The pilot will assess the AI trustworthiness of a scalable privacy- preserving platform based on pervasive AI and video analytics that can help to improve efficiency, safety and security on board trains and in stations by using privacy-preserving smart cameras that capture and analyse visual data in real-time.
LSP 3 Education	The pilot will assess the trustworthiness of novel, AI-based student assessment methods of inquiry learning during laboratory work. It will evaluate an AI-driven learning companion that will support students in developing their learning path and provide automatic guidance.
LSP 4 Port infrastructure	The pilot will assess the AI trustworthiness of systems used for the remote control of maritime and/or underwater UAV (uncrewed automatic vehicle) during the missions programmed for the acquisition of data and images of the port's infrastructures; to determine automatically the state of infrastructures, the seriousness of damages and to assign a level of priority of maintenance works ; and to determine the presence of any kind of dangerous situation that can result in a problem for the infrastructure .
LSP 5 Wastewater treatment	The pilot will assess the AI trustworthiness of systems used to evaluate alternative methods to regulate nitrogen levels in the Oslofjord in Norway and to optimise the wastewater treatment process to reduce nitrogen disposal and associated cost and risks.
LSP 6 Healthcare	The pilot will assess the AI trustworthiness of systems used for segmentation in prostate imaging , a particularly challenging task
GA #101135032	Distribution level · Public Page & of 75

Table 1 - Description of LSPs



	especially for the delineation of the prostate gland and its anatomic substructures. The system's aim is to provide objective, segmentation of the prostate gland eliminating intra and inter-observer variability and saving precious time for the radiologists.
LSP 7 Active ageing	The pilot will assess the AI trustworthiness of systems used for providing personalised and timely support for improving the quality of care for the senior population . The purpose of the pilot is to provide information about the well-being state of the senior through monitoring of daily activity parameters and his/her frailty progression, detecting changes in behaviour patterns, cognitive skills, and functional abilities through the use of AI.

The FAITH AI_TAF methodology includes the analysis of the trustworthiness of AI systems, research on adequate risk assessment-based approach, identify suitable AI technologies and resources as well as measures to achieve trustworthiness, determines the ethical and legal requirements for outcomes, proposes psychosocial profiles to determine the trustworthiness of AI participants¹ and develops metrics and scales for measuring AI risks and trustworthiness, estimates the risks for trustworthiness. The FAITH AI_TAF focuses not only on the technical but also social and human threats and selecting appropriate technical, social, behavioural, legal and policy-related measurements and controls to mitigate risks to ensure AI trustworthiness.

The FAITH AI_TAF is a **risk-based approach** that identifies social, human and technical trustworthiness threats and vulnerabilities. It is based on four components: (i) the **NIST AI Risk Management Framework**, (ii) the **ENISA guidelines on how to achieve trustworthiness by design**, (iii) **requirements imposed by the EU legislative instruments** and **stakeholder's intelligence and (iv) users' engagement**. The FAITH AI_TAF adopt the **7 trustworthiness characteristics developed by NIST**: safety, security and resilience, explainability and interpretability, enhancement of privacy, fairness and mitigation of harmful bias, accountability and transparency and validity and reliability.

The FAITH AI_TAF is a 6 steps methodology: (1) **cartography**, (2) **threat analysis**, (3) **impact assessment**, (4) **vulnerability analysis**, (5) **risk analysis**, (6) **countermeasures**. The FAITH AI_TAF incorporates three supporting tools, and several tools have been identified as mitigation measures for specific trustworthiness characteristics.

¹ Al participants are the key players involved in the creation, design, development, and implementation of artificial intelligence systems. They encompass a range of roles including designers, developers, and data specialists, all working together to ensure that AI technologies are effective, ethical, and aligned with their intended purposes.



Table 2 - FAITH AI_TAF's supporting tools

	FAITH AI_TAF's supporting tools
FAITH AI TrustGuard	Checklist based risk assessment for AI-based systems in isolation.
FAITH AI TrustSense	Tool used to profile the trustworthiness of AI Participants.
FAITH AI Model Hub	A metadata collection repository for AI models and datasets integrating the notion of the AI model passport and data passport.

This deliverable aims at assessing the legal and ethical conformity of the FAITH AI_TAF and of the above-mentioned supporting tools, as well as the impact of the FAITH AI_TAF in the context of the 7 LSPs of the project. Please note that the FAITH AI_TAF is still being developed throughout the course of the project and that this section will evolve to reflect this development.

1.2. Purpose of this deliverable

The FAITH AI_TAF aims to be compliant with European and international initiatives such as the NIST AI Risk Management Framework and the ENISA Guidelines on achieving trustworthy AI2. Furthermore, the FAITH AI_TAF must consider requirements imposed by regulatory instruments, notably the EU legal framework surrounding artificial intelligence. This includes not only the EU AI Act3, but also privacy and data protection regulation (including the General Data Protection Regulation - GDPR4), cybersecurity regulation (including the NIS II Directive5), anti-discrimination laws and relevant sectoral regulations, depending on the actual usage of the AI system by the LSP.

This deliverable proposes a framework for assessing the regulatory and ethical risk of Al systems within the FAITH AI_TAF. The Framework will delve into the elements of trustworthiness in AI functioning: fairness, technical accuracy and robustness, privacy and data governance, transparency, human oversight, societal and environmental well-being and accountability. While parts of the FAITH AI_TAF may not fall under the legal definition of AI, they will still be assessed from a regulatory and ethical perspective. It will also provide an assessment framework and guidance for the LSPs, enabling them to further reinforce the trustworthiness assessment provided by the FAITH AI_TAF.

Throughout the course of the project, the deliverable will be updated based on relevant changes in the EU legal framework surrounding artificial intelligence. Through continuous discussion with technical partners, FAITH External Ethics Advisory Board (EEAB), technical

² Deliverable 2.1, p. 89

³ Directive (EU) 2022/2555 on measures for a high common level of cybersecurity across the Union [2022] OJ L333/80 (NIS 2 Directive)

⁴ Regulation (EU) 2016/679 on the protection of natural persons with regard to the processing of personal data and on the free movement of such data [2016] OJ L119/1 (General Data Protection Regulation)

⁵ Regulation of the European Parliament and of the Council on harmonised rules on Artificial Intelligence [2024] (AI Act)



partners and LSPs leaders, the framework will also be further tailored to better consider practical and technical limitations that may arise throughout the project.

It is important to note that the various templates, assessments, and guidance discussed in this deliverable are offered as advice and do not constitute official legal counsel. In some cases, the activities performed by AI participants will require the intervention of legal counsel and/or ad-hoc domain experts, such as AI counsel, data protection officers or lawyers. Furthermore, the proposed guidance, assessments, and templates do not offer one-size-fits-all solutions, and tailoring may be needed for each AI user relying on the FAITH framework.

Regarding ethics, it is important to further understand that the templates, assessments and guidance discussed in this deliverable should not be understood as a simple checklist that need to be completed. Ethical considerations are complex and might require further analysis than provided by this assessment.

Following the recommendations in this deliverable will not eliminate all regulatory and ethical risks, as this is virtually impossible, but aims to contribute to legal and ethics compliance efforts by mitigating the residual risk to an acceptable level.

1.3. Input from and contribution to other deliverables and project

Deliverable 2.1 (FAITH Methodological Framework and Requirement Analysis v1) contains the description of the FAITH AI TAF. Deliverable 2.1 assesses and outlines existing efforts, initiatives and results in identifying technical, legal, and policy-related efforts for AI Trustworthiness. It initiates a framework adopting a risk assessment approach in identifying, estimating and managing trustworthiness risks, capturing all its dimensions (cybersecurity, transparency, robustness, accuracy, data quality and governance, and human oversight). While similar, the objectives of Deliverable 2.1 and this deliverable are not the same. Deliverable 2.1 outlines the methodology of the FAITH AI_TAF based on its analysis of AI Trustworthiness while this deliverable focuses on the respect of legal and ethical requirements by the FAITH AI TAF and its use within the LSPs.

The final version of this deliverable (D1.4) will rely on and extend this deliverable to provide a comprehensive overview of the regulatory and ethical issues surrounding the FAITH AI TAF. Furthermore, it will also consider at a high-level the regulatory risks present for FAITH LSPs. This will also enable the possibility of creating links with D2.6 (Gap Analysis of the Regulatory Framework for FAITH Pilots), complementing the assessment framework developed in this deliverable with legal analysis tailored to each LSP. Finally, cross-collaboration will happen between deliverables, resulting in improved contributions for all.

This deliverable also took inspiration from the Template & Guidance for Legal and Ethical Impact Assessment from the Themis 5.0 Project⁶.

1.4. Structure of the document

⁶ S. Garcia, A. Corrêa and G. Stamatellos, 'Template & Guidance for Legal and Ethical Impact Assessment', available https://www.themis-trust.eu/ files/ugd/a245c2 c1fe2d866bf140e5a4e5daa8afb292ce.pdf at accessed 17 March 2025 GA #101135932



This deliverable consists of two main components: a Spreadsheet template and an accompanying Text document. These components work together to provide a comprehensive framework for assessing the FAITH AI_TAF and to provide guidance to LSPs owners.

The **Spreadsheet Template** serves as a detailed questionnaire designed to evaluate the FAITH AI_TAF and its alignment with regulatory and **ethical** standards. This template is intended to structure the assessment process by providing a systematic format for inputting information related to the evaluation of the FAITH AI_TAF. It ensures that all necessary elements of trustworthiness, compliance, and functionality are documented clearly and consistently. The template also offers prompts to guide assessors in identifying areas of potential concern and in capturing the outcomes of their assessments.

The **Text Document** complements the Spreadsheet template by offering theoretical, regulatory, and practical insights to support the assessment process. This document fulfils several key functions:

- 1. **Theoretical Framework**: It provides a detailed explanation of the regulations and frameworks that must be observed in the assessment process. This includes the impact of fundamental human rights as articulated in the EU Charter of Fundamental Rights and other ethical guidelines developed by the High-Level Expert Group on Artificial Intelligence. By situating these considerations within a broader theoretical context, the document helps assessors understand the importance of regulatory and ethical compliance in AI system development. Annex I of this document provides a summary chart containing the essential information related to the regulations analysed in this deliverable.
- 2. **Regulatory Overview**: The document outlines the specific regulatory obligations that the FAITH AI_TAF must meet. It also provides a high-level, step-by-step overview on how to respect those regulations and, when relevant, discusses available assessment frameworks. These regulations are:
 - The **General Data Protection Regulation (GDPR)**, which governs the processing of personal data.
 - The **EU AI Act**, which establishes requirements for trustworthiness and risk management in AI systems.
 - **Cybersecurity Regulations**, including the NIS II Directive and the Cybersecurity Act, which emphasize secure-by-design principles and the resilience of critical infrastructure.
 - **Non-Discrimination Laws**, which mandate the prevention of discriminatory outcomes.
- 3. **Spreadsheet Template Instructions**: The Text document explains in detail how the Spreadsheet template is to be used for assessments. It describes the type of information that must be provided in each section of the template, guiding assessors on how to accurately document their findings.

The deliverable provides a practical tool for a structured assessment as well as a theoretical guide for understanding the regulatory and ethical challenges surrounding AI. The deliverable aims at ensuring that the FAITH AI_TAF is not only compliant with existing legal requirements but also contributes to the establishment of trustworthy AI within different contexts.



2. The theoretical framework for trustworthy ai from a legal & ethical perspective

2.1. Impact Assessment for AI Technologies in the EU

In the EU, there is no overarching obligation for comprehensive "AI impact assessments," but several horizontal legal instruments impose requirements to assess and mitigate the risks AI poses to **fundamental rights and societal interests**. These obligations include:

- Fundamental Rights Impact Assessments (FRIAs): Mandated by the AI Act, Article 27, for selected high-risk AI systems, focusing on their implications for fundamental rights.
- **Data Protection Impact Assessments (DPIAs)**: Required under GDPR, Article 35, when AI systems process personal data in ways that present high risks to individuals.
- **Risk Management systems for High-Risk AI systems**: Introduced by the AI Act (Chapter III), including conformity assessments to ensure compliance.
- Cybersecurity Risk Management: Addressed by the NIS Directives (Directives (EU) 2016/1148 and 2022/2555), the upcoming Cyber Resilience Act⁷, and the Cybersecurity Act⁸, which together establish obligations for secure design and certification of ICT products and AI-based technologies.

In the following sections, we examine these legal instruments and their relevance to the FAITH AI_TAF. While horizontal obligations are central, **domain-specific and national regulations** may introduce additional requirements, particularly in the areas of data protection and cybersecurity. It is important to note that not all parts of the FAITH AI_TAF extensively rely on AI technologies in order to perform. However, this does not mean that we should not assess those parts of the FAITH AI_TAF. Other regulatory obligations not focused on artificial intelligence such as data protection and cybersecurity obligation still apply. The FAITH AI_TAF will also integrate with AI models which might require documentation as prescribed in the AI Act. Furthermore, assessing the FAITH AI_TAF is essential, given the role it will play in trustworthy AI assessments that will result in concrete AI applications.

2.2. Fundamental Rights in the EU

The protection of fundamental rights is a cornerstone of the EU legal framework and plays a crucial role in the context of AI. At the EU level, fundamental rights are protected by the **Charter of Fundamental Rights of the European Union** ("the Charter")⁹, a binding instrument that guarantees a comprehensive set of rights, including **liberty and security** (Article 5 of the Charter), **freedom of expression** (Article 10 of the Charter), **equality** (Article 16 of the Charter), and **justice** (Article 6 and 7 of the Charter). These rights are directly relevant to the development and deployment of AI systems, as they provide a basis for assessing whether AI technologies align with core democratic values. Fundamental rights are also protected by the European Charter of Fundamental Rights ("ECHR") and by the constitutional traditions of Member States.

⁷ Proposal for a Regulation of the European Parliament and of the Council on horizontal cybersecurity requirements for products with digital elements and amending Regulation (EU) 2019/1020 COM/2022/454 final (Cyber Resilience Act)

⁸ Regulation (EU) 2019/881 on ENISA and on information and communications technology cybersecurity certification [2019] OJ L151/15 (Cybersecurity Act)

⁹ Charter of Fundamental Rights of the European Union [2012] OJ C





Figure 1 - Fundamental Rights in the EU

Both the **GDPR** and the **AI Act** share the objective of protecting those fundamental rights and freedoms: the GDPR mentions that the processing of natural personal data should "respect [data subjects'] rights and freedoms"¹⁰. Similarly, the AI Act states that its purpose is to "lay down a uniform legal framework for [...] AI while ensuring a high level of protection of health, safety, **fundamental rights [...]**"¹¹.

Regarding **cybersecurity and robustness of AI systems**, the **NIS II Directive** states that "The availability of cyber-resilient network and information systems and the availability, confidentiality and integrity of data are vital [...] for enhancing the trust of individuals and organisations in the Union's ability to promote and protect a global, open, free, stable and secure cyberspace **grounded in human rights**, fundamental freedoms, democracy and the rule of law."¹² This framework is further supported by the **Cybersecurity Act** and the forthcoming **Cyber Resilience Act**, both of which aim to **strengthen the EU's cybersecurity landscape**.

Assessing the FAITH AI_TAF through the lens of fundamental rights involves critically evaluating **whether its methodologies and outputs safeguard these rights effectively**. For example, the requirement to integrate mechanisms that ensure non-discrimination and uphold human dignity is not merely a best practice but a legal obligation under EU law. Those principles should be taken into account throughout the entire lifecycle of AI systems, influencing their design, implementation and oversight.

The significance of fundamental rights extends beyond mere legal compliance. Safeguarding fundamental rights is **integral to fostering public trust and ensuring the acceptability of AI technologies by the general public**¹³ - making the safeguarding of fundamental rights a key

¹⁰ GDPR, recital 1

¹¹ AI Act, recital 1

¹² NIS II, recital 70

¹³ David Leslie and others, 'Human Rights, Democracy, and the Rule of Law Assurance Framework for AI systems: A Proposal' http://arxiv.org/abs/2202.02776 accessed 27 December 2024



component of developing and maintaining trustworthy AI systems. Furthermore, several domains directly concerned by FAITH LSPs have the potential to directly impact users' fundamental rights, as some of those rights are stated in Table 3¹⁴.

Domain	Impact on Fundamental Rights (preliminary list)
LSP 1 Media	AI tools used in the context of content moderation must respect freedom of expression and information (Article 11 of the Charter).
LSP 2 Transport	Al systems used in monitoring transportation must respect the right to safety (Article 6 of the Charter) and to privacy (Article 8 of the Charter) of individuals and prevent discrimination (Article 14 of the Charter).
LSP 3 Education	Al systems used in adaptive learning systems must respect the right to education (Article 14 of the Charter) and prevent discrimination (Article 21 of the Charter).
LSP 4 Port infrastructure	AI systems used in the monitoring of maritime installations must respect the right to safety (Article 6 of the Charter) of individuals.
LSP 5 Wastewater treatment	Al systems used in the monitoring of waste-water treatment must respect the right to safety (Article 6 of the Charter) of individuals
LSP 6 Healthcare	Al systems used in diagnostics must respect the right to health (Article 35 of the Charter) and prevent discrimination (Article 21 of the Charter).
LSP 7 Active ageing	Al systems used for active ageing must respect the right to health (Article 35 of the Charter) and prevent discrimination (Article 21 of the Charter) and the right to privacy (Article 8 of the Charter).

Table 3 - Fundamental Rights in the context of LSPs

The FAITH AI_TAF should integrate these considerations holistically, treating fundamental rights as central to trustworthy AI. By embedding safeguards at every stage of AI lifecycle and aligning with the EU's vision of human-centric AI, the framework ensures that systems are not only technically robust but also societally legitimate, fostering trust across diverse contexts.

Other regulations might be relevant for the deployment of trustworthy AI that are not considered within this deliverable, such as copyright regulation for example. This does not mean those regulations do not play an important role, nor are they linked with exercising fundamental rights with the EU. However, they do not fit the scope of our assessment. As indicated in the initial section of this deliverable, this assessment does not replace a full compliance overview for the FAITH AI_TAF and the AI systems that relies upon the FAITH AI_TAF.

¹⁴ Table 4 is a non-exhaustive list of potential human right impacts of FAITH's LSPs GA #101135932 Distribution level : **Public**



2.3. Data protection Rules (GDPR)

2.3.1. Theoretical overview

The development and deployment of AI models resort to the processing of large amount of data. Data can be used both during the development of the model, as data is relied upon for training and during the deployment of the model when the model processes data to produce outputs. This processing of data can include personal data, e.g. "any information relating to an identified or identifiable natural person" (GDPR, Article 2(1)). In that case, the right to data protection, protected by Article 8 of the Charter, is to be respected. It is therefore necessary to assess the conformity of the FAITH AI_TAF with data protection regulations.

In the EU, data protection is governed by the **GDPR**, which has been in effect since May 2018. The GDPR applies to all entities that process the personal data of individuals within the EU or offer goods and services to EU residents, even if those entities are located outside the EU. Personal data, as defined by the GDPR, refers to any information that can identify a natural person, such as names, emails, and location data (GDPR, Article 4(1)). Also, anonymous data are excluded from its scope.

The GDPR establishes fundamental principles that must be followed when processing personal data:

- Lawfulness, Fairness, and Transparency: Data processing must have a legal basis (Article 6) and be carried out fairly and transparently. Clear information must be provided to individuals about how their data will be used (Article 5(1)(a), Articles 12– 14).
- 2. **Purpose Limitation**: Data must be collected for specified, explicit, and legitimate purposes and not processed further in ways incompatible with those purposes (Article 5(1)(b)).
- 3. **Data Minimization**: Only data that is necessary for the specified purposes should be collected and processed (Article 5(1)(c)).
- 4. **Accuracy**: Data must be accurate and kept up to date. Inaccurate data should be corrected or deleted promptly (Article 5(1)(d)).
- 5. **Storage Limitation**: Data should only be stored for as long as necessary to fulfil the purposes for which it was collected. Afterward, it must be deleted or anonymized (Article 5(1)(e)).
- 6. **Integrity and Confidentiality**: Personal data must be protected against unauthorized access, loss, or damage using appropriate technical and organizational measures (Article 5(1)(f)).
- 7. Accountability: Controllers must demonstrate compliance with GDPR principles and take responsibility for ensuring that all data processing activities meet its requirements (Article 5(2), Article 24).

Under the GDPR, organizations may also be required to conduct a **Data Protection Impact Assessment (DPIA)** for activities likely to pose high risks to individuals' rights and freedoms (Article 35). DPIAs involve identifying potential risks associated with data processing and implementing measures to mitigate them. They are particularly relevant when introducing new technologies, such as AI systems, that process sensitive or large-scale personal data (Article 35(3)).



The GDPR also grants individuals specific rights over their personal data, including:

- The right to access and obtain copies of their data (Article 15).
- The **right to rectification** of inaccurate or incomplete data (Article 16).
- The **right to erasure** or the "right to be forgotten," subject to certain conditions (Article 17).
- The **right to data portability**, allowing individuals to transfer their data between service providers (Article 20).
- The **right to restrict processing** (Article 18) and the **right to object** to specific types of data use (Article 21).

These principles and obligations have direct implications for the FAITH framework, particularly in assessing the trustworthiness of systems that process personal data. The inclusion of measures such as DPIAs ensures that privacy risks are identified and addressed proactively, reinforcing the protection of fundamental rights while fostering trust in AI technologies.

2.3.2. Data Protection Impact Assessment – DPIA

2.3.2.1 Overview of existing DPIA Framework

Various frameworks and templates have been developed to facilitate the implementation of DPIAs across different sectors and use cases. Many **Data Protection Authorities (DPAs)** in the EU provide guidance and tools to support organizations that process personal data. These resources aim to ensure compliance with GDPR requirements while addressing specific risks associated with diverse processing activities (Article 35). Below are some examples:

- European Data Protection Board (EDPB): The EDPB provides guidelines to determine whether a DPIA is necessary¹⁵, including criteria such as large-scale data processing, profiling, or the use of new technologies.
- French Data Protection Authority (CNIL): CNIL offers a comprehensive guide on Privacy Impact Assessment, including a summarization of the four essential phases of a DPIA: describing processing, assessing risks, mitigating risks, and formalizing outcomes¹⁶. An infographic describing these different steps has also been developed¹⁷. The CNIL further provides "how-to-sheets" directly aimed at AI professionals¹⁸.
- Irish Data Protection Commission (DPC): The DPC offers a DPIA template¹⁹ that focuses on documenting decisions, engaging with data subjects, and ensuring compliance with GDPR principles such as transparency and accountability.

¹⁵ Article 29 Working Party, 'Guidelines on Data Protection Impact Assessment (DPIA)' (WP248 rev.01, 2017) https://ec.europa.eu/newsroom/article29/items/611236 accessed 27 December 2024

¹⁶ CNIL, 'Privacy Impact Assessment (PIA) Methodology' (2018) https://www.cnil.fr/sites/cnil/files/typo/document/CNIL-PIA-1-Methodology.pdf

¹⁷ CNIL, 'Guidelines on DPIA' https://www.cnil.fr/en/guidelines-dpia accessed 27 December 2024

¹⁸ CNIL, 'AI how-to sheets' https://www.cnil.fr/fr/ai-how-to-sheets accessed 27 December 2024

¹⁹ DPC, Sample DPIA Template, https://www.dataprotection.ie/en/organisations/know-your-obligations/dataprotection-impact-assessments#sample-dpia-template accessed 25 February 2025



- Spanish Data Protection Authority (AEPD): The AEPD offers a guide to managing risks to the rights and freedom of data subjects applicable to any processing activities²⁰. The guide also contains guidelines for carrying out a DPIA for high-risk processing activities.
- United Kingdom Information Commissioner's Office (ICO)²¹:The ICO provides guidance on DPIAs²², including specific information on when a DPIA is required²³, examples of high-risk processing activities²⁴ and a DPIA template²⁵.
- **Fraunhofer-Gesellschaft**: Fraunhofer provides extensive documentation for practically realizing DPIAs in their 2022 Conference Paper "Data Protection Impact Assessments in Practice"²⁶.

2.3.2.2 In Practice

A DPIA can be divided in these five different steps: (i) the initiation phase, (ii) the preparation phase, (iii) the execution phase, (iv) the implementation phase and the (v) sustainability phase²⁷. The data controller is responsible for conducting the DPIA (GDPR, art. 35 (1)), with the assistance of data processors if necessary (GDPR, art. 28 (3)(f)) and with the advice of the Data Protection Officer (GPDR, art. 35 (2)). It is recommended to include representatives of data subjects if possible.

Step 1: The Initiation Phase

The initiation phase consists of the **threshold assessment** to determine whether a DPIA is necessary²⁸. The assessment focuses on any personal data processing that, considering the nature, scope, context and purposes, is likely to result in a high risk to the rights and freedoms of natural persons. While innovative technologies, including AI, have a higher chance of meeting this threshold, this is not necessarily the case. In the case of the development and/or

²⁰AEPD, 'Risk Management and Impact Assessment in the Processing of Personal Data' https://www.aepd.es/guides/risk-management-and-impact-assessment-in-processing-personal-data.pdf accessed 25 February 2025

²¹ Despite leaving the EU in 2020, the UK still follows a data protection regime similar to the GDPR.

²² ICO, 'Data Protection Impact Assessments (DPIAs)' https://ico.org.uk/for-organisations/uk-gdpr-guidance-and-resources/accountability-and-governance/data-protection-impact-assessments-dpias/ accessed 24 January 2024

²³ ICO, 'When do we need to do a DPIA' https://ico.org.uk/for-organisations/uk-gdpr-guidance-and-resources/accountability-and-governance/data-protection-impact-assessments-dpias/when-do-we-need-to-do-a-dpia/ accessed 24 January 2024

²⁴ ICO, 'Examples of processing 'likely to result in high risk' https://ico.org.uk/for-organisations/uk-gdprguidance-and-resources/accountability-and-governance/data-protection-impact-assessments-dpias/examplesof-processing-likely-to-result-in-high-risk/ accessed 24 Janaruy 2024

²⁵ ICO, 'Sample DPIA template' https://ico.org.uk/media2/migrated/2553993/dpia-template.docx accessed 24 Janaruy 2024

²⁶Michael Friedewald and others, 'Data Protection Impact Assessments in Practice' (2022) https://publica.fraunhofer.de/handle/publica/417238 accessed 22 January 2025

²⁷ ibid. ²⁸ ibid.



deployment of a high-risk AI system (see below, section on the AI Act), the processing of personal data is a strong indicator of a need for a DPIA²⁹.

The EDPB identified **9 criteria** to assess whether a DPIA is necessary. If two (or more) of those criteria are met, a DPIA is presumed to be necessary. Those nine criteria are:

- 1) The collection of sensitive personal data;
- 2) The large-scale collection of personal data;
- 3) The collection of data from vulnerable persons, such as minors;
- 4) The crossing or combination of data sets;
- 5) Innovative uses or application of new technological or organizational solutions;
- 6) Processing of personal data for evaluation or scoring;
- Automated-decision making;
- 8) systematic monitoring;
- 9) When the processing prevents data subjects from exercising a right or using a service or a contract

These activities present **high risks to the rights and freedoms of individuals** either because of the physical, material or non-material damage they may cause or because of their purpose, scope and nature³⁰.

This evaluation should be realised **before the processing activities** take place and should be **reviewed on a regular basis and/or if any changes** in the scope and/or purpose of processing take place.

Step 2: The Preparation Phase

The preparation phase involves **mapping the processing activities** by describing the processing information (scope, nature, purpose, means, etc.) and **planning** the actual execution of the assessment³¹.

Step 3: The Execution Phase

The execution phase involves **consultation with the data subject (or their representatives)** if necessary, the identification and analysis of risks to individuals' rights, including privacy breaches or unauthorised access (GDPR, art. 35 (7)), risk assessment and the evaluation of the technical and organisational measures addressing the identified risks (GDPR, art. 35 (7)(d)) in order to calculate the remaining risk. The **necessity**³² and **proportionality**³³ should be tested

³⁰ Katerina Demetzou, 'Data Protection Impact Assessment: A tool for Accountability and the Unclarified Concept of "High Risk" in the General Data Protection Regulation' (2019) 35 Computer L & Security Rev 105342

²⁹CNIL, 'Carrying Out Protection Impact Assessment If Necessary' https://www.cnil.fr/en/carrying-out-protection-impact-assessment-if-necessary accessed 27 December 2024

³¹ Friedewald (n 13)

³² E.g. whether measures are necessary to achieve risk reduction

³³ E.g. whether measures are proportionate to the reduction achieved



at the time. If **high-risk remains**, the processing should either be abandoned or the relevant supervisory authorities should be contacted³⁴.

Step 4: The implementation of the identified measures

The implementation phase involves the implementation and testing of mitigating measures identified in the execution phase. These measures have to be tested and the tests recorded as proof of GPDR compliance. Once this is done, **the processing can begin**.

Step 5: The Sustainability Phase

The sustainability phase involves the **monitoring of the processing activities** in order to identify deviation or changes³⁵ that could lead to a review, adjustments and/or update of the DPIA (GDPR, art. 35 (11)).

2.3.2.3 Relevance for FAITH

If the FAITH AI_TAF relies on the processing of personal data, it might be necessary to perform a DPIA if the use of the FAITH AI_TAF creates high risk for data subject's rights and freedoms.

Within the FAITH LSPs that are processing personal data, leveraging existing DPIA methodologies ensures a structured approach to managing risks across pilot domains. For example:

- In **healthcare** (LSP6), DPIAs are critical for ensuring the secure handling of sensitive health data while respecting patients' rights to privacy and dignity.
- In education (LSP3), DPIAs can address the risks of profiling and algorithmic bias in adaptive learning systems, ensuring non-discriminatory access to educational resources.
- In **active ageing** (LSP7), DPIAs support the responsible use of personal data in caregiving technologies, balancing data-driven insights with individual autonomy and confidentiality.

2.4. Cybersecurity obligations

2.4.1. Theoretical overview

As AI systems are cyber assets within ICT infrastructure, they are vulnerable to security risks, including threats from internal and external actors. The compromission of the security of AI systems can lead to risk for fundamental rights: for example, malicious actors might target AI systems to unlawfully obtain personal data or to influence the model. Is it therefore necessary to assess the conformity of the FAITH AI_TAF with cybersecurity regulations.

Cybersecurity obligations in the EU aim at ensuring the resilience of digital infrastructures, safeguarding individual rights, and protecting critical sectors. These obligations are particularly relevant for AI systems, which are considered cyber assets within ICT infrastructures. The following EU frameworks establish the primary cybersecurity obligations for systems and products:

³⁴ Friedewald (n 13)

³⁵ ibid

GA #101135932



2.4.1.1 NIS Directive and NIS II Directive

The **NIS Directive³⁶** was the first EU-wide legislation on cybersecurity. It established baseline requirements for operators of essential services and digital service providers to secure their networks and systems.

Its successor, the **NIS II Directive**, expands the scope to include more sectors and introduces stricter requirements. Entities categorized as "**essential**" or "**important**" are required to adopt **technical and organizational measures** proportionate to their risks, ensure supply chain security, and report significant incidents to competent authorities (Articles 20–23). The NIS II Directive entered into force on 1 October 2024.

The directive applies to sectors like **healthcare**, **transport**, **and energy**, where cybersecurity is critical to operational continuity and safety.

2.4.1.2 Cybersecurity Act

The **Cybersecurity Act (CSA)** reinforces the EU Agency for Cybersecurity (ENISA) and establishes an **EU-wide certification framework for ICT products, services, and processes**. It ensures compliance with standardized rules and fosters trust in digital technologies.

Certifications under the CSA may demonstrate compliance with the requirements of the AI Act (Article 15), particularly for high-risk AI systems, by verifying adherence to cybersecurity best practices (Articles 48–56).

2.4.1.3 Cyber Resilience Act

The **Cyber Resilience Act** (CRA) introduces **common requirements for products with digital elements**, focusing on secure-by-design principles. Manufacturers, importers, and distributors must conduct cybersecurity risk assessments during design, development, and operation (CRA Articles 5–10).

The CRA requires **continuous monitoring, regular updates, and vulnerability management** throughout the product lifecycle. Products meeting CRA standards also satisfy AI Act Article 15.

2.4.2. In practice

Step 1: Identifying Responsible Entities and Applicable Frameworks

NIS II Directive: Applies to essential and important entities operating in critical sectors such as healthcare, transport, and energy. These entities are defined by Member States based on their operational size and sectoral importance (NIS II, Articles 6 and 21).

Cybersecurity Act (CSA): Provides a voluntary framework for cybersecurity certifications, applicable to ICT products, services, and processes. This is particularly relevant for demonstrating compliance with cybersecurity standards (CSA Articles 48–56).

Cyber Resilience Act (CRA): Applies to products with digital elements, including connected devices and AI components. Manufacturers, importers, and distributors are responsible for

³⁶ Directive (EU) 2016/1148 concerning measures for a high common level of security of network and information systems across the Union [2016] OJ L194/1 (NIS Directive)



conducting cybersecurity risk assessments during design, development, and operational phases (CRA Articles 5–10).

Step 2: Mapping system Components

Once the applicable frameworks are identified, the next step involves **defining the product or system's scope and mapping its components**. This includes:

- Identifying system functionalities and interdependencies within networks.
- Understanding how the system interacts with third-party services, supply chain partners, or other connected systems.
- For example, in **healthcare (LSP6)**, the mapping should include interactions between patient databases, diagnostics, and external service providers tools such as the tools used to identify potential vulnerabilities.

Step 3 : Conducting a Cybersecurity Risk Assessment

A cybersecurity risk assessment evaluates potential threats to system security, data integrity, and operational resilience. This process includes:

- Identifying risks: Assess vulnerabilities such as unauthorized access, malware, or data breaches.
- **Analysing impacts**: Consider the consequences of a breach, such as disruption of critical services, financial losses, or harm to individuals' rights and freedoms.
- **Applying risk thresholds**: Evaluate whether the identified risks meet the thresholds for further action, as outlined in NIS II, CRA, or CSA requirements.

For example, under the **CRA**, manufacturers must perform vulnerability testing throughout the product lifecycle (CRA Article 7).

Step 4: Implementing Risk Mitigation Measures

Mitigation measures should address both technical and organizational vulnerabilities. Examples include:

- **Technical measures**: Encryption, intrusion detection systems, and secure-by-design principles.
- **Organizational controls**: Staff training, access control policies, and incident response plans.
- **Supply chain security**: Ensuring that vendors and third-party providers meet cybersecurity standards, as required under NIS II (Article 21).
- These measures should be **proportionate to the risks** identified during the assessment.

Step 5: Documenting the Process

All cybersecurity assessments must be thoroughly documented to demonstrate compliance with EU frameworks. Documentation can include:

• **Risk assessment reports** detailing identified vulnerabilities and their impacts.



- Mitigation measures implemented to address risks.
- **Ongoing monitoring plans** to ensure continued compliance.

Step 6: Incident Detection and Reporting

Mechanisms should be in place to monitor, detect and report cybersecurity incidents:

- Incident reporting is **mandatory for essential and important entities** under NIS II (Article 23). Reports must include the nature, scope, and impact of the incident, as well as mitigation actions taken.
- Organizations should ensure real-time monitoring systems are in place to identify potential threats early.

Step 7: Ongoing Monitoring and Updates

Cybersecurity is an **ongoing process** that requires continuous monitoring and adaptation:

- Regularly review and update cybersecurity measures to address emerging threats.
- Deploy timely updates and patches to mitigate newly identified vulnerabilities, as indicated in the CRA (Article 7).
- Revisit assessments periodically, especially after changes in scope, functionality, or regulatory updates.

2.4.3. Relevance for FAITH

The FAITH AI_TAF should ensure to **respect cybersecurity requirements**. The use of the FAITH AI_TAF should not create additional cybersecurity risks. FAITH should consider these cybersecurity obligations across its LSPSs to ensure compliance and enhance system resilience. The FAITH AI TAF aims to be compliant with ENISA Guidelines³⁷, providing a strong foundation for meeting cybersecurity requirements.

Particular attention should be brought to LSP2 (transport), LSP4 (maritime transport), LSP5 (waste-water treatment) and LSP6 (health) as they might concern critical infrastructures designed by the NIS II directive. For instance:

- **LSP4 (maritime transport)**: Implement measures to protect operational networks within maritime infrastructures from cyber threats.
- LSP5 (wastewater treatment): Apply measures such as continuous monitoring, updates and vulnerability managements to secure products and systems managing wastewater treatment facilities.
- LSP6 (health): Adopt encryption and secure access controls to safeguard sensitive health data while complying with NIS II and CRA requirements. Adopt measures to comply with the Medical Device Regulation³⁸.

GA #101135932

³⁷ See Deliverable 2.1, p. 93

³⁸ Regulation (EU) 2017/745 on medical devices [2017] OJ L117/1 (Medical Device Regulation)b



2.5. Anti-discrimination regulation

2.5.1. Theoretical overview

The use of AI models can lead to discriminations. Biases, for example contained within the training data, can lead to unfair treatment of individuals. Those biases should be identified and corrected in order for AI models to produce fair results. It is therefore necessary to assess the conformity of the FAITH AI_TAF with anti-discrimination regulations.

Anti-discrimination regulation in the European Union (EU) lacks a unified legal framework comparable to the General Data Protection Regulation (GDPR). Instead, the EU offers a partially harmonized legal landscape that establishes minimum standards for non-discrimination, leaving member states the flexibility to adopt additional protections. This means that FAITH must comply with both EU-wide frameworks and any enhanced national laws when operating across different jurisdictions.

The EU Equality Legal Framework encompasses key directives addressing discrimination in areas such as employment, education, access to goods and services, and healthcare. Examples include:

- **The Race Equality Directive**³⁹, which prohibits discrimination based on racial or ethnic origin in employment and access to services.
- **The Gender Goods and Services Directive**⁴⁰, which ensures equal treatment between men and women in access to goods and services.
- **The Employment Equality Directive**⁴¹, which addresses discrimination in the workplace on grounds such as religion, disability, age, or sexual orientation.

Each member state builds upon these minimum standards, allowing for additional protected characteristics. For instance, **Sweden** includes protections against discrimination based on transgender identity, a characteristic not explicitly mentioned in all member states' laws.

Furthermore, it is relevant to note that the anti-discrimination framework in the EU goes further than merely complying with formal anti-discrimination laws. The horizontal character of the Charter needs to be considered, particularly regarding the right to non-discrimination (Article 21 of the Charter). Member States constitutions and constitutional traditions also have to be considered.

2.5.2. In Practice

Step 1: Identifying Applicable Regulations

• At the **EU level**, the Equality Framework serves as the baseline, ensuring protections against discrimination on grounds such as race, sex, religion, disability, or sexual orientation.

³⁹ Council Directive (EU) 2000/43/EC of 29 June 2000 implementing the principle of equal treatment between persons irrespective of racial or ethnic origin [2000] OJ L180/22 (Race Equality Directive)

⁴⁰ Council Directive (EU) 2004/113/EC of 13 December 2004 implementing the principle of equal treatment between men and women in the access to and supply of goods and services [2004] OJ L373/37 (Gender Goods and Services Directive)

⁴¹ Council Directive (EU) 2000/78/EC of 27 November 2000 establishing a general framework for equal treatment in employment and occupation [2000] OJ L303/16 (Employment Equality Directive)



• At the **national level**, member states may introduce additional protections. Those specific protections should be identified. Table 5 provides a non-exhaustive overview of the protection offered by EU countries.

Step 2: Assessing the Potential for Discrimination

Al systems should be evaluated for potential discriminatory outcomes. Discrimination can take different forms, as highlighted in Table 4.

Type of Discrimination	Description
Direct discrimination	Occurs when an individual is treated less favourably due to a protected characteristic.
Indirect discrimination	Occurs when neutral rules, criteria or policies cause a disproportionate adverse impact on certain protected groups with no valid justification.
Multiple discrimination	Occurs when an individual is treated less favourably due to multiple, dissociable protected characteristics.
Intersectional discrimination	Occurs when an individual is treated less favourably due to multiple, indissociable protected characteristics.
Harassment	Occurs when an undesirable behaviour linked with a protected characteristic degrades a person's dignity and/or creates an intimidating environment.
Injunction to discriminate	Occurs when a behaviour encourages discrimination based on a protected characteristic
Refusal to put in place reasonable accommodations	Occurs when reasonable accommodations based on a protected characteristic are refused. It is mostly applicable for people with health conditions or impairments.
Discrimination by association	Occurs when an individual is treated less favourably due to its link with a protected characteristic.
Discrimination based on an alleged criteria	Occurs when an individual is treated less favourably due to an alleged protected characteristics.

Step 3: Implementing Anti-Discrimination Safeguards

Measures to prevent discrimination in AI systems often focus on addressing risks related to data, algorithms, and oversight mechanisms:

- Training data is reviewed to ensure it is representative and unbiased with respect to protected characteristics.
- Fairness assessments are regularly conducted to identify and address potential discriminatory outcomes in decision-making processes.



• Organizations establish compliance mechanisms, such as designating teams or officers to oversee the implementation of anti-discrimination practices.

Step 4: Monitoring and Adapting

Effective anti-discrimination practices require ongoing monitoring and adjustments:

- Impact assessments are carried out periodically to examine the effects of AI tools on protected groups and to ensure equitable treatment.
- Policy reviews are conducted to align practices with new regulatory developments or judicial rulings related to discrimination. For example, changes in case law may necessitate updates to risk assessment methodologies.

2.5.3. Relevance for FAITH

For FAITH, development should start with the EU Equality Framework as baseline compliance. However, to operate across the EU, the FAITH AI_TAF must address each member state's protected characteristics for equal treatment in goods and services. Providers must consider multiple discrimination types, such as direct, indirect or associative discrimination⁴².

The FAITH AI_TAF should provide safeguards against discrimination and not create additional risks for discrimination.

Addressing anti-discrimination regulation is essential for FAITH's LSPs. The LSPs operate in contexts where risks of discrimination can manifest in various ways:

- **Healthcare (LSP6)**: Algorithms used for diagnostics or treatment planning are assessed to ensure that ethnicity or socio-economic status does not influence results unfairly.
- Education (LSP3): Adaptive learning tools are designed to provide equitable access for students, including those with disabilities or from marginalized communities.
- **Transport (LSP2)**: Autonomous surveillance systems used within transportation should not discriminate on protected criteria.



D1.3 Interim report on legal and ethical impact assessment

Table 5 - Legally Protected Grounds in the Access to and Supply of Goods and Services in EU countries based on the Country Report non-discrimination 2023 compiled by the European Equality Law Network

Countr	у АТ	BE	BG	HR	CY	CZ	DK	EE	FI	FR	DE	EL	Н	IE	IT	LV	LT	LU	Μ	NL	PL	ΡΤ	RO	SK	SI	ES	SE
Discrimination													U						T								
Race & Ethnic origin	\checkmark																										
Sex	\checkmark	~	\checkmark	✓	~	\checkmark	√	\checkmark	\checkmark	\checkmark	\checkmark	~	√	\checkmark	√	✓	√	\checkmark	√	\checkmark							
Age	Х	\checkmark	х	\checkmark	Х	\checkmark	х	\checkmark	х	\checkmark	\checkmark	\checkmark	x	х	\checkmark	x	\checkmark	\checkmark	\checkmark	\checkmark	\checkmark						
Ancestry	×	x	x	x	x	x	x	x	x	x	\checkmark	\checkmark	x	x	\checkmark	x	x	x	x	x	x	\checkmark	x	\checkmark	\checkmark	x	x
Disability	\checkmark																										
Sexual orientation	\checkmark	\checkmark	Х	\checkmark	х	\checkmark	\checkmark	\checkmark	\checkmark	\checkmark	х	\checkmark	\checkmark	\checkmark	х	\checkmark	\checkmark	\checkmark	х	\checkmark	\checkmark	х	\checkmark	\checkmark	\checkmark	\checkmark	\checkmark
Religion or Belief	\checkmark	\checkmark	\checkmark	\checkmark	Х	\checkmark	Х	\checkmark	\checkmark	\checkmark	\checkmark	\checkmark															
Nationality	х	\checkmark	Х	х	Х	Х	\checkmark	х	\checkmark	\checkmark	\checkmark	\checkmark	\checkmark	Х	\checkmark	х	\checkmark	\checkmark	x	\checkmark	\checkmark	\checkmark	\checkmark	\checkmark	\checkmark	х	х
Gender Identity	\checkmark	\checkmark	Х	\checkmark	Х	\checkmark	\checkmark	Х	Х	\checkmark	\checkmark	\checkmark	\checkmark	\checkmark	х	х	х	х	х	\checkmark	\checkmark	х	х	\checkmark	\checkmark	\checkmark	\checkmark
Family Status	х	\checkmark	Х	Х	Х	Х	Х	Х	\checkmark	\checkmark	Х	\checkmark	\checkmark	\checkmark	х	х	х	\checkmark	\checkmark	\checkmark	х	х	х	\checkmark	Х	Х	Х
Social Status	х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	\checkmark	\checkmark	Х	х	х	\checkmark	х	х	х	х	х	\checkmark	\checkmark	\checkmark	\checkmark	х
Language	\checkmark	\checkmark	Х	Х	\checkmark	Х	Х	\checkmark	Х	\checkmark	\checkmark	\checkmark	\checkmark	Х	х	х	х	х	х	х	х	х	\checkmark	\checkmark	\checkmark	\checkmark	х
Health status	х	\checkmark	Х	Х	Х	Х	Х	\checkmark	\checkmark	\checkmark	Х	\checkmark	\checkmark	Х	х	х	х	х	х	\checkmark	х	х	\checkmark	\checkmark	х	\checkmark	х
Political opinion	х	\checkmark	Х	Х	Х	Х	Х	\checkmark	Х	\checkmark	\checkmark	Х	\checkmark	Х	х	х	х	\checkmark	х	\checkmark	\checkmark	х	х	\checkmark	\checkmark	\checkmark	х
Property	х	Х	\checkmark	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	х	х	х	х	\checkmark	х	х	х
Belonging to a disadvantaged group	x	х	х	х	х	х	х	х	х	х	х	х	х	х	х	х	х	х	х	х	х	х	\checkmark	х	х	х	х
Any other personal/ social characteristi	x	х	х	х	х	х	х	х	х	\checkmark	х	х	\checkmark	\checkmark	х	х	х	\checkmark	\checkmark	х	х	х	х	х	\checkmark	\checkmark	х
Any other ground/criterion	x	x	х	х	х	x	х	х	\checkmark	\checkmark	х	х	\checkmark	\checkmark	х	х	х	\checkmark	\checkmark	\checkmark	х	х	\checkmark	х	х	х	x

GA #101135932

Distribution level : Public

Page 27 of 75



2.6. The EU AI Act

2.6.1. Theoretical overview

The **Artificial Intelligence Act**, published on 12 July 2024, introduces harmonized rules for the regulation of AI systems in the European Union. It aims to **protect fundamental rights** while **promoting innovation** and **fostering trust in AI technologies**. The Act entered into force on 1 August 2025. The AI Act **will be** applicable from **2 August 2026** (AI Act, art. 113), but some rules will be subject to earlier or later applicability. The Act also establishes a transitional period for certain AI systems placed on the market before the applicability of the AI Act (AI Act, art. 111). **Error! Reference source not found.** details the scheduled applicability of the Regulation.⁴³

Date	Applicable Rules
2 February 2025	Application of rules for prohibited AI systems (AI Act, art. 113 (a))
	AI Literacy (AI Act, art. 4)
2 August 2025	Application of rules for providers of general-purpose AI models (AI Act, art. 113 (b))
2 August 2026	 General applicability of the AI Act (art. 113 AI Act) Starting from this date, high-risk AI systems that were placed on the market before August 2, 2026, must comply with the AI Act if they undergo significant changes in their design.(art. 111, 2)
2 August 2027	 Application of rules for AI systems embedded into regulated products (AI Act, art. 133 (c)) General-purpose AI models placed on the market before 2 August 2025 have to comply with the AI Act (art. 111, 3)
2 August 2030	• High-risk AI systems intended to be used by public authorities have to comply with the AI Act (Art. 111, 2)
31 December 2030	• Al systems which are components of high-risk large-scale IT systems that were placed on the market before 2 August 2027 have to comply with the AI Act (Art. 111, 1)

Table 6 - Applicability	of the AI Act
-------------------------	---------------

⁴³ The below table is not exhaustive, but contains the relevant information in the context of the FAITH Project. The complete timeline for the AI Act is available at the following address: https://artificialintelligenceact.eu/implementation-timeline/



The AI Act defines an **AI system** broadly as a "machine-based system that is designed to operate with varying levels of autonomy and that may exhibit adaptiveness after deployment, and that, for explicit or implicit objectives, infers, from the input it receives, how to generate outputs such as predictions, content, recommendations, or decisions that can influence physical or virtual environments;" (AI Act, art. 3, (1)). This definition ensures flexibility, covering a wide array of current and emerging technologies. The Act applies to providers, and deployers of AI systems operating in the EU market, regardless of their geographic location. However, it explicitly excludes pure research and development activities unless such systems are deployed in real-world conditions, thereby ensuring that innovation and exploratory development are not hindered.

To address the diverse risks posed by AI systems, the AI Act adopts a **risk-based approach**, dividing systems into four categories based on the potential risks to health, safety, and fundamental rights:

1. Unacceptable Risk:

Al practices deemed incompatible with EU values and fundamental rights are prohibited under the Act (Al Act, art. 5). These include:

- **Subliminal, Manipulative and Deceptive Techniques (AI Act, art. 5 (1) (a))**: Al systems that exploit vulnerabilities in individuals' behaviour without their awareness to materially distort their actions.
- **Exploitation of Vulnerabilities (AI Act, art. 5 (1) (b))**: AI systems that target individuals based on age, mental capacity, or other vulnerabilities to influence their decisions detrimentally.
- Social Scoring (AI Act, art. (1) (c): AI systems used by public authorities or private entities to systematically rank individuals based on their social behaviours when the system leads to an unfavourable or detrimental treatment of individuals or groups of individuals (i) in social contexts that are unrelated to the contexts in which the data was originally generated or collected or (ii) that is unjustified or disproportionate to their social behaviour or its gravity.
- **Crime prediction and predictive policing (AI Act, art. (1) (d)):** AI systems that are based solely on the profiling of a natural person or on assessing their personality traits and characteristics in order to assess or predict the risk of a natural person committing a criminal offence.
- Untargeted Scraping of Facial Images for the Creation or Expansion of Large-Scale Facial Databases (AI act, art. (1) (e)
- **Emotion Recognition (AI act, art. (1) (f))**: AI systems used to infer emotions of a person in the areas of workplace and education institutions.
- **Biometric Categorization (Al act., art. (1)(g)):** Al systems used to categorise persons based on their biometric data to deduce or infer their race, political opinions, trade union membership, religious or philosophical beliefs, sex life or sexual orientation.
- **Remote Biometric Identification systems (AI Act, art. (1)(h)):** AI systems used for the purposes of law enforcement relying on the use of 'real-time' biometric identification systems in publicly accessible spaces.



2. High-Risk systems:

Al systems used in critical sectors or for safety components are subject to stringent requirements (AI Act, Annex III). These include applications in healthcare, education, public infrastructure, and employment. Providers of high-risk AI systems must comply with comprehensive obligations to ensure safety and accountability. These obligations include:

- **Continuous Risk Management**: Providers must implement risk management systems to identify, monitor, and mitigate risks throughout the AI system lifecycle (AI Act, art. 9).
- **High Data Quality Standards**: Training, testing, and validation datasets must be accurate, representative, and free from discriminatory biases (AI Act, art. 10).
- **Transparency Requirements**: Providers must document and explain how the AI system works to ensure its decisions can be understood and audited (AI Act, art. 13).
- **Human Oversight**: Measures must be in place to allow human operators to monitor and intervene in AI system operations when necessary (AI Act, art. 14).
- **Technical Documentation**: Providers must create detailed records demonstrating compliance with the Act's provisions, including risk assessments and mitigation strategies (AI Act, art. 11).
- **Conformity Assessment**: High-risk systems must pass a conformity assessment to verify compliance before being placed on the market (AI Act, art. 43–44).

3. Limited Risk:

systems with limited risk are subject to transparency obligations to inform users about their interactions with AI (AI Act, art. 52). For example, users must be notified when interacting with AI chatbots or when content is AI-generated.

4. Low/Minimal Risk:

Al systems that pose minimal risk to users' rights and safety face no specific obligations under the AI ACT, allowing for broad application without regulatory burdens. Examples include spam filters and AI-based recommendations.

The Act places particular emphasis on **high-risk systems**, recognizing their potential for significant societal and individual impact. Providers of these systems are required to maintain extensive documentation, ensure effective human oversight, and conduct pre-market conformity assessments. Furthermore, public entities, private entities providing public services deploying high-risk systems and deployers of high-risk AI systems used to evaluate a person's credit trustworthiness or to evaluate the risk and pricing in the case of life and health insurance must perform **Fundamental Rights Impact Assessments (FRIAs)** to evaluate risks to rights such as privacy, equality, and freedom of expression (AI Act, art. 27). These assessments align with the EU's broader commitment to ensuring that AI technologies respect human dignity and fundamental rights.



2.6.2. In Practice

Step 1: Identifying Applicable Obligations

Classification of AI systems under the AI Act determines their regulatory obligations:

- **Unacceptable Risk**: Includes prohibited practices such as subliminal manipulation and real-time biometric identification in public spaces (AI Act, Article 5).
- **High-Risk AI systems**: These include applications listed in Annex III, such as medical diagnostics, autonomous vehicles, and recruitment. High-risk systems require compliance with obligations such as risk management, conformity assessments, and human oversight (AI Act, art. 8–28).
- Limited and Minimal Risk systems: These are subject to transparency obligations, including notifying users about interactions with AI systems (AI Act, art. 52–54).

Step 2: Establishing a Risk Management system – for high-risks AI systems not falling under an exception

High-risk AI systems must implement a lifecycle risk management system (AI Act, art. 9). This includes:

- **Identifying Risks**: Evaluating potential threats to health, safety, and fundamental rights based on the AI system's intended use.
- **Risk Analysis**: Assessing the likelihood and severity of identified risks.
- **Mitigation Measures**: Developing technical and organizational measures to address risks, such as data security protocols and fairness audits.
- **Documentation and Monitoring**: Maintaining records of risk analyses and mitigation measures for transparency and compliance audits.

Step 3: Conducting a Fundamental Rights Impact Assessment (FRIA) – mandatory for certain high-risk AI systems (AI act, art. 27)

The FRIA evaluates potential impacts on fundamental rights, particularly for high-risk AI systems. FRIAs are only obligatory for public entities. However, from a trustworthy AI perspective, it is primordial to ensure the respect of fundamental rights by AI systems. This process involves:

- Identifying Risks to Rights: Analysing potential harms such as discrimination, privacy violations, and infringements on freedom of expression (AI Act, art. 27).
- **Stakeholder Involvement**: Consulting representatives from affected groups or civil society organizations to ensure diverse perspectives are considered.
- Integration with Risk Management: Aligning the FRIA with broader risk assessments to provide a holistic evaluation of risks and mitigation measures.
- **Documentation**: Recording the FRIA findings and proposed mitigation actions to ensure traceability and accountability.



Step 4: Performing Conformity Assessments

Conformity assessments verify that high-risk AI systems comply with the AI Act's requirements (AI Act, art. 43–44). This step includes:

- **Compliance Verification**: Demonstrating adherence to requirements such as transparency, data governance, and human oversight.
- **Certification**: Obtaining certification under EU-recognized standards, such as those outlined in the CSA framework.
- **Submission of relevant Technical Documentation**: Providing risk management records, FRIA findings, and evidence of compliance to authorities.

Step 5: Monitoring and Post-Market Surveillance

Post-market surveillance ensures that high-risk AI systems continue to comply with regulatory requirements after deployment (AI Act, art. 61). This involves:

- **Monitoring Performance**: Conducting regular evaluations of the AI system's functionality and impact on users.
- **Incident Reporting**: Reporting any serious malfunctions or violations of fundamental rights to regulatory authorities.
- **Updating systems**: Adapting AI systems to address newly identified risks, changes in legal requirements, or advancements in technology.

2.6.3. Overview of (selected) assessment framework

Several frameworks and resources provide guidance for conducting impact assessments and ensuring compliance under the AI Act. These frameworks offer practical guidance and methodologies for assessing risks and aligning with the regulatory requirements:

- Knowledge Center Data & Society: This resource offers a detailed <u>template and</u> <u>instructions</u> for implementing conformity assessments under the AI Act. It is particularly useful for high-risk AI systems, providing a structured approach to risk evaluation and mitigation.
- **Decision-tree based approach**: Hanif et al.⁴⁴ follows a decision-tree based approach to clearly define obligations under the AI Act, for ensuring accountability and fairness in AI systems, aligning with FRIA requirements and broader risk management processes.
- Scenario-based approach: Noveli et al.⁴⁵ focuses on a scenario-based approach towards AI Risk Assessment, emphasizing ethical considerations and compliance. Other methodologies, such as the Z-Inspection[®] framework, follow a similar method by relying on socio-technical scenarios⁴⁶.
- European Data Protection Board (EDPB): The EDPB issued an opinion on certain data protection aspects related to the processing of personal data in the context of AI

⁴⁴ Hilmy Hanif and others, 'Navigating the EU AI Act Maze Using a Decision-Tree Approach' (2024) 1 ACM J Responsible Computing 21:1

⁴⁵ Claudio Novelli and others, 'AI Risk Assessment: A Scenario-Based, Proportional Methodology for the AI Act' (2023) https://papers.ssrn.com/abstract=4464783 accessed 27 December 2024

⁴⁶'Z-Inspection[®]: A Process to Assess Trustworthy AI' (2021) IEEE Xplore https://ieeexplore.ieee.org/document/9380498 accessed 27 December 2024



models⁴⁷ GDPR and AI models, highlighting the integration of privacy principles with AI risk assessments, particularly for systems requiring DPIAs and FRIAs.

- Confederation of European Data Protection Organisations (CEDPO): The CEDPO issues a short guide on FRIA⁴⁸ and answers practical questions such as what it is, who should complete it, when should it be conducted, what the requirements are and how it interacts with DPIAs and other frameworks.
- Al Office Methodology (forthcoming): A methodology under development by the European Commission's AI Office aims to provide a unified framework for risk management and conformity assessments. It is expected to align closely with the AI Act's provisions in the coming months.

2.6.4. Relevance for FAITH

FAITH's objective to improve AI Trustworthiness means that the compliance of the FAITH AI_TAF with the AI Act must be observed. Not only regulatory compliance but also respect of the principles of the Act should be considered. This is to be considered not only for legal compliance reasons, but also because the AI Act share the objective of creating more trustworthy AI systems with FAITH.

For FAITH's LSPs, compliance with the AI Act is essential to ensure trust and accountability in its AI systems. Examples include:

- Education (LSP3): Adaptive learning platforms powered by AI should avoid biases that could disadvantage students from underrepresented communities. These systems require transparency measures to explain AI-driven decisions and support human intervention where necessary.
- Transport (LSP2): AI systems used to analyse passenger behaviour and manage crowd flow should undergo a Fundamental Rights Impact Assessment (FRIA) to mitigate risks such as privacy violations or discriminatory flagging of individuals. The system must also adhere to transparency and human oversight obligations to avoid over-reliance on AI-driven decisions.
- Healthcare (LSP6): AI models recommending treatment plans must demonstrate compliance with data quality, accuracy, and risk management requirements. For instance, conformity assessments and robust human oversight mechanisms must ensure that the system is free from bias and supports equitable healthcare access.

2.7. Ethical Obligations

2.7.1. The High-level expert group on Artificial Intelligence

Trustworthy AI extends beyond mere compliance with laws and regulations. The High-Level Expert Group on AI (HLEG AI), in its *Ethics Guidelines for Trustworthy AI*, argues that achieving

⁴⁷ European Data Protection Board, 'Opinion 28/2024 on Certain Data Protection Aspects Related to the Processing of Personal Data in the Context of AI Models' (2024) https://www.edpb.europa.eu/our-worktools/our-documents/opinion-board-art-64/opinion-282024-certain-data-protection-aspects_en accessed 27 December 2024

⁴⁸ Confederation of European Data Protection Organisations 'Fundamental Rights Impact Assessment : What are they? How do they work?' https://cedpo.eu/wp-content/uploads/CEDPO-micro-insight-paper-fundamental-rights-impact-assessments.pdf accessed 24 January 2024



trustworthiness requires AI systems to be lawful, ethical, and robust. These three pillars are mutually reinforcing and must coexist throughout the lifecycle of AI systems.

2.7.2. The Fundamental Rights-Based Approach

The HLEG AI emphasises a **fundamental rights-based approach** as the foundation for **ethical and robust AI**. As stated in the Guidelines, "respect for fundamental rights, within a framework of democracy and the rule of law, provides the most promising foundation for identifying abstract ethical principles and values, which can be operationalised in the context of AI." This framework ensures alignment with the **EU Charter of Fundamental Rights and international human rights law**, grounding the ethical principles in universally recognised standards of **dignity, freedom, and equality**⁴⁹.

2.7.3. Ethical Principles and Key Requirements

The HLEG on AI outlines four ethical principles critical to ensuring ethical and robust AI systems:

- 1. Respect for Human Autonomy
- 2. Prevention of Harm
- 3. Fairness
- 4. Explicability

These principles are operationalised through seven key requirements for Trustworthy AI:

- **1. Human Oversight**: Ensuring AI systems support human autonomy and decision-making.
- 2. Technical Robustness and Safety: Preventing harm through robust system design.
- **3. Privacy and Data Governance**: Protecting individual privacy and ensuring data integrity.
- 4. Transparency: Facilitating traceability and explainability of AI decisions.
- 5. Diversity, Non-Discrimination, and Fairness: Mitigating bias and ensuring equitable access.
- **6. Societal and Environmental Well-being**: Supporting broader societal goals and minimising environmental impact.
- **7.** Accountability: Establishing mechanisms for redress and minimising risks through proactive governance.

These principles should underpin the FAITH AI_TAF. This deliverable focuses on whether the FAITH AI_TAF respects those requirements and enables LSPs to operationalise these requirements effectively, ensuring adherence to the HLEG AI's standards.

2.7.4. The Assessment List for Trustworthy AI

The Guidelines were then further revised and translated into an **accessible and dynamic checklist** to guide developers and deployers of AI systems in implementing the principles in

⁴⁹ Nathalie A Smuha, 'The Work of the High-Level Expert Group on AI as the Precursor of the AI Act' (2024) https://papers.ssrn.com/abstract=5012626 accessed 19 December 2024



practice. The process involved discussion with over 350 stakeholders⁵⁰ and ended with the production of the **Assessment List for Trustworthy AI** (ALTAI), a 34-pages document to be used as a self-assessment checklist. The document describes the **seven requirements** elaborated by the HLEG and contains a list of questions for each requirement, as well as introductory guidance. A glossary is also available for relevant definitions and the assessment is also available as a web-based tool⁵¹.

2.7.5. Assessing the FAITH AI_TAF through the HLEG AI Lens

Lawfulness is assessed by evaluating whether the FAITH AI_TAF aligns with regulatory obligations, such as those under the AI Act and GDPR. The FAITH AI_TAF should also integrate robustness by respecting cybersecurity obligations under the NIS II Directive, the Cybersecurity Act, and the Cyber Resilience Act. These standards ensure that security measures are embedded in the design of AI systems.

Ethical considerations are more expansive, demanding the FAITH AI_TAF to ensure:

- Respect for **fundamental rights**, particularly non-discrimination and individual autonomy.
- Transparency and **explainability mechanisms** allow developers and users to understand AI systems' decision-making processes.
- Adhere to the seven requirements for a trustworthy AI.

The FAITH AI_TAF's adherence to the HLEG AI's framework will be evaluated based on its capacity to foster trustworthiness through compliance, robustness, and ethical soundness, directly reflecting the principles of human-centric AI development. Relying on the ALTAI, this deliverable ensures a comprehensive understanding of ethical challenges related to AI systems.

Furthermore, additional ethical frameworks for specific sectors provide additional guidance and requirements to be followed. This is particularly relevant for FAITH LSPs for which those frameworks exist, as shown in Table 7⁵².

Domain	Additional Ethical Framework
LSP 1	The Resolution 1003 of the Parliamentary Assembly of the
Media	Council of Europe on the Ethics of Journalism adopted on 1 July 1993 ⁵³ .

Table 7 - Additional Ethical F	Frameworks for LSPs
--------------------------------	---------------------

⁵⁰ European Commission, 'Assessment List for Trustworthy Artificial Intelligence (ALTAI) Self-Assessment' https://digital-strategy.ec.europa.eu/en/library/assessment-list-trustworthy-artificial-intelligence-altai-selfassessment accessed 27 December 2024

⁵¹ European Commission, 'ALTAI - Assessment List Trustworthy Artificial Intelligence' https://futurium.ec.europa.eu/en/european-ai-alliance/pages/altai-assessment-list-trustworthy-artificialintelligence accessed 27 December 2024

⁵² Table 8 contains a non-exhaustive list of ethical frameworks that could be considered by LSPs when assessing the trustworthiness of their AI systems.

⁵³ Council of Europe Parliamentary Assembly Resolution 1003 on Ethics of Journalism (1 July 1993) https://assembly.coe.int/nw/xml/XRef/Xref-XML2HTML-en.asp?fileid=16414



	• Relevant national code of conduct or ethics ⁵⁴ .
LSP 3 Education	 The Council of Europe Platform on Ethics, Transparency and Integrity in Education (ETINED) provides several guidance, such as ethical principles⁵⁵, ethical behaviour for actors in education⁵⁶ and a compendium of best practices to promote academic integrity⁵⁷.
LSP 6 Healthcare	 The WHO guidance on Ethics & Governance of Artificial Intelligence for Health published on 28 June 2021⁵⁸. The World Medical Association Declaration of Helsinki on Ethical Principles for Medical Research Involving Human Participants adopted in June 1964⁵⁹.
LSP 7 Active ageing	• The WHO report on developing an ethical framework for health ageing ⁶⁰ .

⁵⁴ A list of 55 ethical codes from 45 countries is available here: https://www.presscouncils.eu/ethical-codes-database/codes/

⁵⁵CouncilofEurope,'EthicalPrinciples'https://rm.coe.int/CoERMPublicCommonSearchServices/DisplayDCTMContent?documentId=09000016806c90cd

⁵⁶Council of Europe, 'Ethical Behaviour for Actors in Education' http://rm.coe.int/CoERMPublicCommonSearchServices/DisplayDCTMContent?documentId=09000016806d2b6 f

⁵⁷ Council of Europe, 'Best Practices in Academic Integrity' https://rm.coe.int/bpp-a-compendium-of-best-practices-eng-/1680a86621

⁵⁸ WHO, 'Ethics & Governance of Artificial Intelligence for Health' (2021) https://www.who.int/publications/i/item/9789240029200

⁵⁹ World Medical Association, 'Declaration of Helsinki' (1964) https://www.wma.net/policies-post/wma-declaration-of-helsinki/

⁶⁰ WHO, 'Developing an Ethical Framework for Health Ageing' (2017) https://www.who.int/publications/i/item/WHO-HIS-IER-REK-GHE-2017.4


3. The How-To: instructions for the assessment

3.1. Who Will Carry Out or Be Involved in the Legal and Regulatory Assessment of FAITH AI_TAF

Completing the questionnaire-based assessment described in this deliverable is a collaborative exercise that requires the **participation of multiple stakeholders** to ensure a comprehensive evaluation of the FAITH AI_TAF. A **holistic perspective** is essential to adequately assess the efficiency and relevance of the FAITH AI_TAF, integrating the **expertise and insights of all partners.**

The full questionnaire is to be completed by the partner **to the best of their expertise and capabilities**⁶¹. This approach guarantees that the responses are comprehensive, accurate and informed by firsthand knowledge. Some questions may call for **collaboration** among several partners, while others may necessitate input from the entire consortium.

To facilitate the filling of the questionnaire, partners are divided in **four clusters**. Each question of the questionnaire will refer to the most appropriate partner for answering the question. Table 8 describes the clusters.

Cluster	Partners
Coordinating Partner	 Idryma Technologias Kai Erevnas - FORTH
Technical	Trustilio
Partners	 University of Southampton - UoS
	Trustilio
	 Athens Technology Center - ATC, Freedom House Romania - FH (Media LSP)
	 Consiglio Nazionale delle Ricerche (CNR), MERMEC (Transportation LSP)
LSP Partners	 Erevnitiko Panepistimiako Institouto Systimation Epikoinonion Kai Ypologiston - ICCS, Ellinogermaniki Agogi Scholi Panagea
	Savva AE - EA (Education LSP)
	 Fundacion de la comunidad Valenciana para la investigación, promocion y estudios comerciales de Valenciaport - VFP, APRA (Port infrastructure LSP)
	• SINTEF, Veas Selvkost AS (Waster-water treatment LSP)
	 FORTH, Universita degli Studi di Firenze – UNIFI, Universita de Pisa – UNIPI (healthcare LSP)
	• Active Ageing Association - AOA, BRIDG OU (active ageing LSP)
Legal Partners	 Katholieke Universiteit Leuven – KU Leuven, author of the questionnaire

Table 8 -Cluster of partners for the assessment

⁶¹ As specified in section 5.3, questions that cannot be answered can be left blank GA #101135932 Distribution level : **Public**



The FAITH AI_TAF is itself an assessment framework intended to be used with a different range of AI models. As such, parts of the questionnaire will provide little information when considering the FAITH AI_TAF from a general perspective. While it is still important to collect this information, it is beneficial to also consider the impact of the FAITH AI_TAF in more concrete settings.

To do so, when LSP Partners answer the questionnaire, they should consider not only the FAITH AI_TAF itself, but as well **the (expected) impact of the FAITH AI_TAF on the trustworthiness** of the AI system(s) relied upon in the context of their specific pilot. For example, if the use of the FAITH AI_TAF results in the implementation of measures reducing certain legal and/or ethical risks identified in the questionnaire, this should be clearly indicated. This will allow to gather more information on the practical impacts of the FAITH AI_TAF. However, it is important to remember that the questionnaire does not aim at assessing the LSP system under test itself but rather the application of the FAITH AI_TAF within the LSP.

KU Leuven will oversee the assessment, using project documentation prepared by the relevant partners to ensure the questionnaire is completed methodically. This approach facilitates the smooth integration of contributions, fostering a coherent and structured process that reflects the shared expertise of the consortium.

3.2. When Will the AI system(s) impact assessment of the FAITH_AI TAF Be Conducted?

The assessment will take place in an **iterative manner** throughout the course of the FAITH project. The first phase will start following the validation of the questionnaire **after March 31**st **2025**. Once all partners have answered the assessment, KU Leuven will congregate the results.

The results of the questionnaire will then be periodically reviewed throughout the project. The second iteration of the legal and regulatory assessment for the FAITH AI_TAF will involve the relevant partners through **a legal workshop** and will serve as to complete and update the information which may not be available at the stage of the first iteration.

KU Leuven **may update or adapt the current assessment** after the second iteration, depending, for instance, on the result of the first two iterations which may raise new points of attention or on developments in the field which need to be taken into consideration (e.g. new assessment methodology provided by the AI Office). The final assessment of the FAITH AI_TAF will be presented in **Deliverable 1.4** (Final report on the legal and ethical self-assessment and the activities of the EEAB) **on 31 March 2028**.

3.3. How Will the AI system(s) impact assessment of the FAITH_AI TAF Be Conducted in Practice?

The legal and regulatory assessment will consist of a questionnaire conducted by KU Leuven. The questionnaire will consist of a series of questions, divided in the following categories : general information, AI information and identification of legal risks. The subsequent section of the deliverable outline the questionnaire and provides additional information regarding its answering.

All partners will answer the questionnaire in order to maximise the amount of information obtained to assess the FAITH AI_TAF. Partners of the same LSP are encouraged to collaborate, delivering one questionnaire for the LSP instead of one for each partner. The questionnaire is GA #101135932 Distribution level : Public Page 38 of 75



to be filled out to the best of the **Partner's knowledge and expertise** by taking into account the designation of the preferred cluster for each question⁶². **Partners are invited to answer as many questions as they can, but leaving answers blank is also a possibility**.

The questionnaire is composed of **168 questions, divided in 3 different sections and 13 subsections**. Table 9 describes the division of the questions and the estimated time⁶³ allocated for each section. The questionnaire does not need to be answered entirely at the same time and different persons within each organisation can answer different questions and/or sections. In the third section of the questionnaire, 'Legal and Ethical Risk Identification', each sub-section is divided in a legal and an ethical part.

	Section	Number of questions	Estimated time to complete (in minutes)
	General Information	4	30
General Information	Privacy Information	4	20
	Technological Information	27	120
AI	Al Act – General Information and Application	13	60
Information	Al Act - Classification	26	120
	AI Act – Models Interaction	5	25
	Human Agency and Oversight	12	60
Legal and Ethical Risk Identification	Technical Robustness and Safety	21	100
	Privacy and Data Governance	16	80
	Transparency	9	45

Table 9 -	Division	of the	question	inaire

 $^{^{\}rm 62}$ See Section 5.1 of this Deliverable

⁶³ Current numbers are estimated. The next version of the Deliverable (Deliverable 1.4) will be able to gather feedback from Partners to improve the estimated time necessary to answer questions.



Diversity, Non- Discrimination and Fairness	11	55
Societal and environmental well-being	10	50
Accountability	10	50

The questionnaire contains two separate cells to answer the question: a first cell "Answer" and a second cell "Explanation". A short and concise answer should be given in the answer cell, while the 'Explanation" cell allows for a more thought-out description. It is essential to include as much information as possible in the explanation cell. For **questions related to ethics**, a detailed description of the thought process leading to the answer is to be provided as best as possible. If possible, concrete examples should be relied upon.

3.4. The review by the External Ethics Advisory Board

The External Ethics Advisory Board have reviewed the first version of the deliverable, including the description of the assessment and the legal questionnaire during a workshop organised on February 17, 2025 by KU Leuven. The Deliverable has been updated to integrate the comments presented during the meeting. Additional feedback, provided by the EEAB in a written form, will be incorporated in the next version of the Deliverable (D1.4).



4. Assessment template for the FAITH AI_TAF

4.1. Description of the FAITH AI_TAF

The first section of the questionnaire aims at providing **an overview of the FAITH AI_TAF** to assess which are the applicable regulations. The purpose of this first part is to gather all pertinent information to describe the FAITH AI_TAF and its components from a technological point of view, including the intended interactions of the FAITH AI_TAF with third-party AI systems (e.g. the models LSPs are relying upon in their operations). The information contained in the **AI Model Passport**⁶⁴ proposed within the FAITH AI_TAF can serve as a blueprint for answering the questionnaire.

4.1.1. General Information

The first set of questions, that can be found in the Spreadsheet Questionnaire in the sheet "General Information" aims at collecting **information related to the purpose and objective of the FAITH AI_TAF**.

Question N°	Preferred cluster	Question
1	Coordinating and Technical Partners	What is the problem that the FAITH AI_TAF aims to address?
2		Based on the problem definition, what is the intended purpose of the FAITH AI_TAF?
3		Based on the problem definition, which are the objectives of the FAITH AI_TAF?
4		Describe in plain language and in general terms how the FAITH AI_TAF is intended to operate. Graphic representation can be used.

4.1.2. Privacy – General Information

The second part of the assessment focuses on the implication of **data protection and privacy within the FAITH AI_TAF**. This part of the assessment does not focus on a full GPDRconformity analysis, but serve as a starting point to clearly understand what type of personal data processing is taking place while using the FAITH AI_TAF. It is found in the Spreadsheet Questionnaire under the "Privacy – General Questions" sheet.

In order to answer these questions, we refer to the section of this deliverable focusing on Data protection Rules (GDPR). Notably, in case of further questions regarding the assessment of whether the data processing activities is likely to result in high risk for data subjects, **we refer to the EDPB Guidelines.**



Table 11 - Genera	Privacy Questions
-------------------	-------------------

Question N°	Preferred cluster	Question
5	Technical Partners	Does the use of the FAITH AI_TAF involve the processing of personal data?
6		When using the FAITH AI_TAF, who is the data controller?
7		When using the FAITH AI_TAF, who is the data processor?
8	Technical and Legal Partners	Is the processing of personal data in the FAITH AI_TAF likely to result in a high risk to the rights and freedoms of data subjects considering its nature, scope, context and purposes?

4.1.3. General Technological Information

The final part of the general questionnaire aims to gather **technical information** regarding the FAITH AI_TAF.

Question N°	Question Category	Preferred cluster	Question
9	V		Which AI models/types of AI models are used within the framework of the FAITH AI_TAF?
10	1odel informatic	Technical Partners	Will the AI model(s) to be used within the framework of the FAITH AI_TAF be developed throughout the project and/or will existing AI models be used?
11	on		If the FAITH AI_TAF does not rely on an AI model, what technology does the FAITH AI_TAF use?
12	Data Infor		Will the FAITH AI_TAF rely on personal data processing? How will the FAITH AI_TAF detect and react if the user shares personal data?
13	mation and (What are the sources of the input data that will be used for the FAITH AI_TAF?
14	Quality	What, if any, training, validation and testing data will the FAITH AI_TAF use? You can rely on examples to describe each category of data with examples	



15			What are the sources of the training, validation and testing data that will be used in FAITH AI_TAF?
16	Ou		What is the intended output produced within the FAITH AI_TAF? What will the users receive as final output?
17	ıtput : (un)inten	utput : (un)intended uses and h	What is the intended use of this output within the FAITH AI_TAF? Is the output intended to be used directly by the participant directly receiving it?
18	ded uses and h		Which expertise is expected by the humans receiving the output of the FAITH AI_TAF in order to use it in accordance with its intended purpose?
19	numan supe		Will the reasons behind the output of the FAITH AI_TAF be explained to the human(s) directly receiving it?
20	vision	S Technical and Legal Partners	Are there any foreseeable risks of misuse of the FAITH AI_TAF ? If so, which one?
21	Deployment Setting		Is there a specific setting where the FAITH AI_TAF is intended to be deployed, and/or is it intended as a technology that is adaptable to several different settings?
22		LSP and Technical Partners	If there is one or a limited set of specific settings where the FAITH AI_TAF is intended to be deployed, what are the specific features of those settings?
23			What are the geographical area and language context in which the FAITH AI_TAF will be deployed?
24			If the FAITH AI_TAF is intended to be used in different settings, are there any plans to adapt the technology depending on the deployment of the FAITH AI_TAF? If yes, describe this plan.



25		Describe the interested parties involved in the design / development of FAITH AI_TAF and the specifics of their involvement. Refer to documents developed in the context of the project.
26		Describe the impact the involvement of each group of interest parties has or may have on the design and/or development of the FAITH AI_TAF.
27		For any specific setting the FAITH AI_TAF is intended to be deployed :
27a		Describe the interested parties directly involved in the deployment of the FAITH AI_TAF?
27b		Describe the parties not directly involved, but potentially affected by the deployment of the FAITH AI_TAF?
27c		Is there any foreseeable impact the FAITH AI_TAF can have on a wider community?
28		If the FAITH AI_TAF is intended to be used in different settings :
28 a		Are there any plans to adapt the FAITH AI_TAF depending on the expected parties (individuals and/or groups of individuals) directly involved in the deployment of the system?
28b		Are there any plans to adapt the FAITH AI_TAF depending on the expected parties (individuals and/or groups of individuals) not directly involved, but affected by the deployment of the system?
28c		Are there any plans to adapt the technology depending on the foreseeable wider community on which the FAITH AI_TAF can have an impact?
28d		If yes, describe these adjustments. If no, justify why such adjustments are not needed.



4.2. Al Act Assessment

This next section assesses whether or not the FAITH AI_TAF or its use by LSPs owners result in the applicability of the AI Act. The subsequent set of questions therefore aims at establishing (1) whether the FAITH AI_TAF correspond to **the definition of artificial intelligence within the AI Act**, e.g. "a machine-based system that is designed to operate with varying levels of autonomy and that may exhibit adaptiveness after deployment, and that, for explicit or implicit objectives, infers, from the input it receives, how to generate outputs such as predictions, content, recommendations, or decisions that can influence physical or virtual environments⁶⁵".

Question N°	Preferred cluster	Question
29		Does the FAITH AI_TAF includes components that qualify as an AI system?
30		Is the FAITH AI_TAF composed of a chains of different AI systems? If yes, why?
31		Is the FAITH AI_TAF based on (one or more) general-purpose AI models (GPAI models)?
32		Will the FAITH AI_TAF be 'placed on the market' or 'put into service' during the project lifecycle?
33	Technical Partners	When will the FAITH AI_TAF be 'placed on the market' or 'put into service'?
34		Is the FAITH AI_TAF used throughout the project research, testing or development activities that take place before the FAITH AI_TAF is placed on the market or put into service?
35		Who are the providers of the FAITH AI_TAF
36		Who are the deployers of the FAITH AI_TAF?
37		Are the providers of the FAITH AI_TAF established in the EU?
38		Are the deployers of the FAITH AI_TAF established in the EU?
40		Are the expected interested parties of the FAITH AI_TAF (see question 27) located in the EU?
41	Legal Partner	Based on the information above, is the FAITH AI_TAF in the scope of application of the AI Act?
42	Consortium	Given the overall objective of the FAITH AI_TAF regarding AI Trustworthiness, which aspects of AI Act compliance and/or AI HLEG Requirements should be observed by the FAITH AI_TAF on a voluntary basis?

Table 13 - AI Act - General Information



It is important not only to assess whether the FAITH AI_TAF or its use within a LSP enters the scope of the AI Act, but also to **correctly classify the FAITH AI_TAF within the AI Act itself**. The following questions aim at classifying the FAITH AI_TAF within the categories of the AI Act.

Question	Question	Preferred	Question				
N	Category Cluster						
43			Does the FAITH AI_TAF deploy subliminal, manipulative				
45			and/or deceptive techniques?				
			Does the FAITH AI_TAF exploit vulnerabilities of natural				
44			persons' based on their age, disability or socio-economic				
			situation?				
45			Does the FAITH AI_TAF create or expand facial recognition				
		Technical	database through the untargeted scrapping of facial images?				
46	_	Partners	Does the FAITH AI_TAF result in social scoring of individuals				
	Proł		by public authorities?				
47	nibit		Does the FAITH AI_TAF rely on emotion recognition and				
	ed A						
	vi sy:	Legal Partner	Are there any safeguards against using the FAITH AI_TAF as a prohibited AI beyond its intended purpose?				
48	sten						
	L						
			Does the FAITH AI_TAF fit any of the prohibited uses of AI				
			described in the Al Act?				
49							
			If yes, then the use of the FAITH AI_TAF is prohibited within				
			the EO II the FATTH AI_TAF classifies as a prohibited AI system				
го			Is the FAITH AI_TAF intended to be embedded within a				
50			product, meaning the system is physically integrated into a product?				
	-		Is the FAITH AL TAE intended for remote biometric				
-4	ligh-	Technical	identification systems and not used for the sole purpose of				
51	Risk	and LSP Partners	verifying a person's identity? In the context of an LSP, will the				
	Â	r ar chero	FAITH AI_TAF be connected to such usage?				
			Is the FAITH AI_TAF intended for a safety component of a				
52			critical infrastructure? In the context of an LSP, will the FAITH				

Table 14 - AI Act Classification



D1.3 Interim report on legal and ethical impact assessment

53		Is the FAITH AI_TAF intended for use in education and vocational training? In the context of an LSP, will the FAITH AI_TAF be connected to such usage?
54		Is the FAITH intended for use in employment, workers management and access to self-employment? In the context of an LSP, will the FAITH AI_TAF be connected to such usage?
55		Is the FAITH AI_TAF intended for use in the context of the access to and enjoyment of essential private services and essential public services and benefits? In the context of an LSP, will the FAITH AI_TAF be connected to such usage?
56		Is the FAITH AI_TAF intended for use in the context of law enforcement? In the context of an LSP, will the FAITH AI_TAF be connected to such usage?
57		Is the FAITH AI_TAF intended for use in the context of migration, asylum and border control management? In the context of an LSP, will the FAITH AI_TAF be connected to such usage?
58		Is the FAITH AI_TAF intended for use in the context of the administration of justice and democratic processes? In the context of an LSP, will the FAITH AI_TAF be connected to such usage?
59		Is the FAITH AI_TAF developed and put into service for the sole purpose of scientific research and development? In the context of an LSP, will the FAITH AI_TAF be connected to such usage?
60		Is the FAITH TAIF performing a narrow procedural task? In the context of an LSP, will the FAITH AI_TAF be connected to such usage?
61		Is the FAITH AI_TAF intended to improve the result of a previously completed human activity? In the context of an LSP, will the FAITH AI_TAF be connected to such usage?
62		Is the FAITH AI_TAF intended to detect decision-making patterns and is not meant to replace or influence previously completed human assessments without proper human review? In the context of an LSP, will the FAITH AI_TAF be connected to such usage?
63		Is the FAITH AI_TAF intended to perform a preparatory task for an activity described in questions 50-58bis ? In the context of an LSP, will the FAITH AI_TAF be connected to such usage?



64			Is the FAITH AI_TAF intended for use in an activity described in questions 50-58bis and performs profiling of natural persons? In the context of an LSP, will the FAITH AI_TAF be connected to such usage?
65		Logal	Does the FAITH AI_TAF fit any of the high-risk categories of AI described in the AI Act?
66		Partner	Does the FAITH AI_TAF benefit from an exception for classifying as high-risk under the AI Act?
67	Al with tra obliga	Technical	Is the FAITH AI_TAF directly interacting with persons?
68	nsparency itions	Partners	Does the FAITH AI_TAF generate AI synthetic content?

Finally, AI systems are usually part of a larger network of components and their interaction and relationships should be taken into account within this assessment. This should be considered for the FAITH AI_TAF.

Table 15 - AI Models Interactions

Question	Preferred	Question
N°	cluster	
69		Describe how the FAITH AI_TAF is intended to interact with third- party AI systems.
70	Technical	Describe the information that will be made available to users of the FAITH AI_TAF within their own AI systems.
71	Partners	In the course of the FAITH project, will the providers/deployers of the third-party AI systems be able to modify to FAITH AI_TAF intended purpose?
72		Will it be possible to prevent a third party AI system from using the FAITH AI_TAF in a manner that is not compliant with legal and ethical considerations?



73	LSP and Legal Partners	What are the advantages brought by the FAITH AI_TAF when it comes to legal and ethical considerations?

4.3. Legal and Ethical Risk Impact Assessment

The second part of the assessment focuses on **legal and ethical** risk. The goal of this section is to identify regulatory risks arising within the FAITH AI_TAF. The final goal is to assess the overall impact of the FAITH AI_TAFs for LSPs, while ensuring that the FAITH AI_TAF itself do not create any additional legal, regulatory or ethical risks.

Doing so requires analysing those risks towards specific requirements for trustworthy AI. As the FAITH AI_TAF aims at improving AI Trustworthiness within the seven key requirements of AI, we will input the questionnaire with a high-level overview of risks within the seven characteristics of trustworthy AI highlighted by the HLEG: (i) human oversight, (ii) technical robustness and safety, (iii) privacy and data governance, (iv) transparency, (v) fairness (including non-discrimination and diversity), (vi) social and environmental well-being, (vii) accountability.

Here, it is important to consider **that legal and ethical obligations are not always entirely similar**. While compliance with regulatory obligations ensures ethical AI, it is not always sufficient to merely comply with regulations such as the AI Act. While legal compliance ensures AI meets minimum regulatory standards, ethical responsibility considers the larger societal impacts of AI.

4.3.1. Legal Risks

In the context of legal analysis, risks pertain to **protecting rights and interests enshrined in the law**, such as health, safety, and fundamental rights. Within FAITH, the legal risks associated with the operation of the FAITH AI_TAF are **those that may affect rights and principles outlined in the seven key requirements for trustworthy AI**. Before considering those requirements in more detail, we need to establish what we mean by 'risk' from a legal perspective: **when does legal risk arise**?

This is a nuanced question, and a comprehensive exploration exceeds the scope of this guide. However, to conduct an effective impact assessment of FAITH AI_TAF, we must clarify the concept of legal risk as it applies here. In the EU Legal Framework, legal risks have to be comprehended in the more general settings of recent EU regulation for digital services, which follows a risk-based approach.

The **"rights-based approach"** posits that a right is either violated or not, adhering to a binary logic⁶⁶. As such, risk is framed solely as **the potential violation of a right**, with no consideration

⁶⁶ Karen Yeung and Lee A Bygrave, 'Demystifying the Modernized European Data Protection Regime: Cross-
Disciplinary Insights from Legal and Regulatory Governance Scholarship' (2022) 16 Regulation & Governance 137
GA #101135932GA #101135932Distribution level : PublicPage 49 of 75



for gradations or probabilities⁶⁷. Assessing legal risks therefore consists of relying on a riskbased approach where the risk relies in the breaching of a given right.

Conversely, the **"risk-based approach"** endorsed by the GDPR and more recently by the AI Act, equates risk with "harm," where the likelihood and severity of the harm form the basis for measuring the risk. Within this framework, rights are deemed at risk when foreseeable harm or damage is both probable and measurable.

Given the alignment of the EU's regulatory framework with the risk-based approach, this is the perspective adopted in FAITH's impact assessment. However, we also expand on this framework to incorporate scenarios that might not be fully addressed within it. The next questions of the questionnaire aims at collecting information and assessing potential inferences to rights, even though they might not consist of a violation *per se*. Recognizing and evaluating these interferences provides valuable insights into how technology impacts rights and supports informed adjustments to system design⁶⁸. Therefore, legal risk is conceived in FAITH's legal impact assessment as **the risk of interference with the rights and principles encompassed by the seven requirements for trustworthy AI**.

4.3.2. Ethical Risks

We complement this identification and assessment of legal risks with a **high-level ethics overview** that further develop the fundamental rights-based approach we have focused on in this deliverable. We do so by relying on the ALTAI prepared by the HLEG on Al⁶⁹.

The ALTAI aims to help organisations better understand the requirements for trustworthy AI and to identify what risks an AI system might generate and how to minimise those risks. It aims to allow AI providers and deployers to critically approach the potential impact of their AI systems on society, the environment, consumers, workers and citizens. During our assessment, we rely on the questionnaire developed by the HLEG on AI within the ALTAI to **identify potential risks** caused by the FAITH AI_TAF or by its use in the context of LSPs. The questions have been slightly reworked as to fit within the context of the FAITH Project and the rest of the questionnaire, consisting mainly in minor grammatical and syntactical adaptations.

This questionnaire is designed to assist the Consortium in i) **Identifying potential interferences**, ii) **Evaluating the identified interferences**, and iii) **Managing these interferences** to ensure they do not escalate into violations that could ultimately compromise fundamental rights and/or ethical requirements for trustworthy AI.

4.3.3. Legal and Ethical Risk Identification

4.3.3.1 Human Oversight

Human oversight is a key requirement under the AIA for high-risk AI systems, as outlined in Article 14. While it is voluntary for non-high-risk systems, its implementation is encouraged through the development of specialized Codes of Practice (AI Act, article 56).

⁶⁷ Gianclaudio Malgieri and Cristiana Santos, 'Assessing the (Severity of) Impacts on Fundamental Rights' (2024) https://papers.ssrn.com/abstract=4875937 accessed 13 January 2025

⁶⁸ ibid.

⁶⁹ See Section 5.7.4 of this Deliverable



Human oversight safeguards autonomy and facilitates accountability throughout the Al lifecycle. It ensures human judgment is preserved by regulating the allocation of tasks between humans and AI, and it emphasizes that oversight must go beyond superficial approval of AI outputs. To be meaningful, oversight must address potential cognitive biases, allocate tasks to qualified personnel, and provide sufficient time and resources for effective decision-making.

The ALTAI states that AI systems should support human agency and human decision-making. AI systems should support the user's agency and uphold fundamental rights, both aspects which should be underpinned by human oversight. The ALTAI identifies two requirements for human oversight:

- **Human agency and autonomy**, dealing with how AI systems affect human decision-making, perception, affection, trust and independence.
- **Human oversight,** focusing on the necessary oversight measures, including human-inthe-loop (HITL), human-on-the-loop (HOTL) and human-in-command (HIC) approaches.

Question N°	Preferred Cluster	Question
74	Technical Partners	How will human oversight be implemented for the FAITH AI_TAF?
		ALTAI
75		Is the FAITH AI_TAF designed to interact with, guide, or take decisions affecting humans or society?
76		Could the FAITH AI_TAF generate confusion for some or all end-users or subjects on whether they are interacting with a human or FAITH AI_TAF?
77	Technical, LSP and Legal Partners	Could the FAITH AI_TAF affect human autonomy by generating over-reliance for end-users?
78		Could the FAITH AI_TAF affect human autonomy by interfering with the end-user's decision-making process in any other unintended and undesirable way?
79		Does the FAITH AI_TAF simulate social interaction with or between end-users or subjects?
80		Does the FAITH AI_TAF create a risk of human attachment, stimulating addictive behaviour, or manipulating user behaviour?
81		Is the FAITH AI_TAF self-learning or autonomous, overseen by a human-in-the loop, overseen by an human-on-the loop or overseen by a human-in-command?

Table 16 - Humar	Oversight Assessment
------------------	----------------------



82	Have the humans received specific training on how to exercise oversight of FAITH AI_TAF?
83	Are detection and response mechanisms in place for undesirable adverse effects of FAITH AI_TAF?
84	Is there a 'stop button' or procedure in FAITH AI_TAF to safely abort operations when needed?
85	Does the FAITH AI_TAF implement specific oversight and control measures to reflect its self-learning or autonomous nature (if applicable)?

4.3.3.2 Technical Robustness and Safety

Technical robustness and safety are critical elements of trustworthy AI systems, ensuring that they operate reliably and can handle errors or unexpected conditions without causing harm⁷⁰. Ensuring safety is part of the requirements of the AI Act, and in the case of personal processing, of the GDPR.

The above section focuses on cybersecurity regulation in the EU highlighting the importance of proper security measures. Both the CSA and the CRA proposes cybersecurity frameworks that are compliant with article 15(1) of the AI Act, while the NIS II directive further specifies the requirement for AI systems and tools.

The ALTAI highlights the importance of **dependability**, e.g. the ability to deliver services that can be justifiably trusted and **resilience**, e.g. robustness when facing changes. It highlights four main issues regarding technical robustness and safety : (i) **security**, (ii) **safety**, (iii) **accuracy** and (iv) **reliability**, **fall-back plans and reproducibility**.

Question N°	Preferred Cluster	Question
86	Technical Partners	What are the cybersecurity measures in place for the FAITH AI_TAF?
87		Is the FAITH AI_TAF certified for cybersecurity (e.g. the certification scheme created by the Cybersecurity Act in Europe) or is it compliant with specific security standards?
		ALTAI
88	Technical Partners	Could the FAITH AI_TAF have adversarial, critical or damaging effects (e.g. to human or societal safety) in case of risks or threats such as design or technical faults, defects, outages, attacks, misuse, inappropriate or malicious use?

Table 17 - Technical Robustness and Safety Assessmen	Table	17 -	Technical	Robustness	and	Safety	Assessment
--	-------	------	-----------	------------	-----	--------	------------

⁷⁰ See Data protection Rules (GDPR) GA #101135932



89		How exposed is the FAITH AI_TAF to cyber-attacks?				
90		Does the FAITH AI_TAF maintain its integrity, robustness and overall security against potential attacks over its lifecycle?				
91		Does the FAITH AI_TAF undergo red-team/penetration test activities?				
92		Does the FAITH AI_TAF provide information to end-users about the duration of security coverage and updates?				
93	LSP Partners	Are risks, risk metrics and risk levels related to the FAITH AI_TAF defined in each specific use case?				
94		Are the possible threats to the FAITH AI_TAF identified (design faults, technical faults, environmental threats) as well as the possible consequences?				
95		Does the FAITH AI_TAF include fault tolerance via, e.g. a duplicated system or another parallel system (AI-based or 'conventional')?				
96		Does the FAITH AI_TAF incorporate a mechanism to evaluate when changes merit a new review of its technical robustness and safety?				
97		Could the FAITH AI_TAF's low level of accuracy result in critical, adversarial or damaging consequences?				
98	Technical	Do measures ensure that the data (including training data) used to develop the FAITH AI_TAF is up-to-date, of high quality, complete and representative of the environment the system will be deployed in?				
99	Partners	Is the FAITH AI_TAF's accuracy monitored and documented?				
100		Could the FAITH AI_TAF's operation invalidate the data or assumptions it was trained on, and could this lead to adversarial effects?				
101		Does the FAITH AI_TAF ensure that end-users and/or subjects properly understand the level of accuracy to be expected?				
102		Could the FAITH AI_TAF cause critical, adversarial, or damaging consequences (e.g. pertaining to human safety) in case of low reliability and/or reproducibility?				
103		Does the FAITH AI_TAF implement verification and validation methods and documentation (e.g. logging) to evaluate and ensure different aspects of its reliability and reproducibility?				
104		Does the FAITH AI_TAF include tested failsafe fallback plans to address errors of whatever origin and governance procedures to trigger them?				



105	Does the FAITH AI_TAF include a proper procedure for handling cases where it yields results with a low confidence score?
106	Does the FAITH AI_TAF use (online) continual learning?

4.3.3.3 Privacy and data governance

Privacy and data governance are essential to ensure that all data processed within AI systems is handled securely, lawfully, and ethically. These principles are vital for maintaining user trust and compliance with regulatory standards such as the **GDPR**⁷¹.

Data governance goes beyond ensuring privacy; it establishes the **overarching framework for managing data assets responsibly across their entire lifecycle**. This includes defining roles and responsibilities, implementing policies for data quality, and creating mechanisms to monitor compliance and manage risks. Effective data governance ensures that data remains accurate, secure, and accessible, empowering organizations to make informed decisions while minimizing misuse or inefficiencies. Additionally, a robust governance structure provides transparency and accountability, critical for building stakeholder trust in AI systems.

The ALTAI emphasises the **importance of privacy as a fundamental right** that is particularly affected by AI systems as well as the necessity of proper data governance capabilities in order to effectively preserve privacy.

Question N°	Preferred Clusters	Question	
	The following questions should only be answered if the answer to question 8 highlights a high risk for data subjects' rights and freedom.		
107		Describe the type of the personal data processing	
108		Describe the scope of the personal data processing	
109		Describe the context of the personal data processing	
110		Describe the purposes of the personal data processing	
111	Technical	How will you/have you engaged with relevant stakeholders in relation the processing activities?	
	Partners		
112		Describe compliance and proportionality measures	
		Describe the source of risk and nature of a potential impact on	
113		individuals. Include associated compliance and corporate risks as	
		necessary	
114		Identify additional mitigating measures to reduce or eliminate risks as identified as medium or high risk	

⁷¹ See Section 5.3 of this Deliverable GA #101135932



115		Has a DPIA been conducted, signed off, approved and is it correctly recorded?	
	ALTAI		
116		Is the impact of the FAITH AI_TAF on the right to privacy, the right to physical, mental and/or moral integrity and the right to data protection taken into account?	
117		Are mechanisms established that allow flagging issues related to privacy concerning the FAITH AI_TAF, depending on the use case?	
118		Which following measures, some of which are mandatory under the GDPR, are in place for the FAITH AI_TAF: DPIA, designating a DPO that is included in the AI development, oversight mechanisms for data processing, data minimisation and privacy-by-design and by default?	
119	Partners	Are the right to withdraw consent, the right to object and the right to be forgotten implemented into the development of the FAITH AI_TAF?	
120		Are privacy and data protection implications considered for all data collected, generated, or processed throughout the FAITH AI_TAF's lifecycle?	
121		Are privacy implications considered for non-personal training data and other processed non-personal data?	
122		Is the FAITH AI_TAF aligned with relevant standards (e.g., ISO, IEEE) and widely adopted protocols for daily data management and governance?	

4.3.3.4 Transparency

Transparency ensures that users and stakeholders can understand the functioning of the tools and interact with them appropriately. This understanding goes beyond providing information; it requires knowledge to be relevant, clear, concise, and tailored to the audience. Transparency requirements can be supported by measures such as (i) comprehensive documentation, (ii) user-friendly design, (iii) disclosures about AI usage, and (iv) implementing safeguards for emotion recognition and profiling.

The ALTAI encompasses four elements for transparency within the goal of achieving trustworthy AI: (i) **traceability** (e.g. the proper documentation of the data and systems yielding the FAITH AI_TAF's decision, (ii) **explainability** (e.g. the ability to explain the technical process and reasoning behind the decision made) and (iii) **communication** (e.g. whether the FAITH AI_TAFs' capabilities and limitations have been clearly communicated).



Table 19 - Transparency Assessment

Question N°	Preferred cluster	Question
123		Are the instructions to use the FAITH AI_TAFs provided to the user?
124		Are there any disclaimers regarding the use of the FAITH AI_TAF?
125	Technical Partners	Is the FAITH AI_TAF relying on emotion recognition? If yes, how does the FAITH AI_TAF inform the exposed parties regarding the emotion recognition performed by the FAITH AI_TAF?
126		Is the FAITH AI_TAF relying on profiling? If yes, what is the logic behind the profiling and how it this explained to interested parties?
		ALTAI
127		Are measures in place that address the traceability of the FAITH AI_TAF during its entire lifecycle?
128		Are the decision(s) of the FAITH AI_TAF explained to the users?
129	Technical Partners	Are the users continuously surveyed to verify if they understand the decision(s) of the FAITH AI_TAF?
130		In cases of interactive use of the FAITH AI_TAF, is it communicated to users that they are interacting with an automated tool instead of a human?
131		Are there mechanisms to inform users about the purpose, criteria and limitations of the decision(s) generated by the FAITH AI_TAF?

4.3.3.5 Fairness

Fairness is grounded in the principle that all individuals are of equal moral worth. Within the European Union, laws protect the right of every person to equal treatment and respect. Article 14 of the ECHR states that: "The enjoyment of the rights and freedoms set forth in this Convention shall be secured without discrimination on any ground such as sex, race, colour, language, religion, political or other opinion, national or social origin, association with a national minority, property, birth or other status." Discrimination occurs when decisions, actions, or institutional structures fail to uphold this equality⁷².

⁷² See Section 5.5 of this Deliverable GA #101135932



The EU's non-discrimination laws are fragmented but provide a harmonized baseline through the EU Equality Legal Framework. This framework mandates a minimum level of protection across all Member States, while allowing individual countries to expand these protections in their national laws.

The ALTAI states that inclusion and diversity need to be enabled throughout the entire Al's Lifecyle in order to achieve trustworthy AI. Several obstacles are identified regarding the fairness of an AI system from an ethical point of view:

- The inclusion of **unfair bias**, caused by historic bias, incompleteness and/or bad governance models that can lead to unintended (in)direct prejudice and discrimination against certain groups of people.
- The lack of **accessibility** which prevents certain categories to access and effectively rely on the tools offered. In order to produce AI systems that are user-centric and inclusive, inclusion of Universal Design Principles⁷³ and relevant accessibility standards are to be considered.
- The lack of stakeholder participation throughout the life cycle of the AI system.

Question N°	Preferred Cluster	Question
132	Technical, LSP and Legal Partners	Are there aspects of the FAITH AI_TAF that can result in direct and indirect discrimination? Which ones?
		ALTAI
133		Is there a strategy or set of procedures in place to avoid FAITH AI_TAF creating or reinforcing unfair bias, both regarding the use of input data and the algorithm design?
134		Is diversity and representativeness of end-users and/or subjects in the data taken into account in FAITH AI_TAF?
135		Are educational and awareness initiatives in place to ensure AI literacy efforts to help AI designers and AI developers be more aware of the possible bias they can inject in designing and developing the FAITH AI_TAF?
136	 136 Technical, LSP and Legal Partners 	Is there a mechanism that allows for the flagging of issues related to bias, discrimination or poor performance in FAITH AI_TAF?
137		Is there a commonly used definition of fairness that is implemented in any phase of setting up the FAITH AI_TAF?

Table 20 - Fairness Assessment

 ⁷³ European Committee for Standardization, 'Accessibility: Design for All' https://www.cencenelec.eu/areas-of-work/cen-cenelec-topics/accessibility/design-for-all/ accessed 27 December 2024/
 GA #101135932 Distribution level : Public Page 57 of 75



138	D	oes the FAITH AI_TAF accommodate the variety of preferences and abilities in society?
139	ls t	he FAITH AI_TAF usable by those with special needs, disabilities, or those at risk of exclusion?
140	Are Ur	iversal Design principles incorporated during every step of planning and development of FAITH AI_TAF?
141	Is the	impact of the FAITH AI_TAF on potential end-users and subjects evaluated?
142	Does	s the FAITH AI_TAF's design and development process de mechanisms for participation from a wide range of stakeholders?

4.3.3.6 Societal and environmental well-being

Societal and environmental well-being focuses on creating AI systems that actively promote societal progress while minimizing harm to the environment. These systems should prioritize addressing pressing societal challenges, such as enhancing healthcare accessibility, improving disaster response, and mitigating climate change. They must also consider the broader impact on communities, ensuring that technological advancements do not exacerbate existing inequalities or create new ones. For example, AI deployment should aim to support underserved areas and contribute to reducing disparities rather than perpetuating them.

Moreover, **the environmental footprint of AI systems requires close scrutiny**. Developers should adopt energy-efficient practices and sustainable materials, aiming to balance innovation with ecological responsibility. Such considerations are essential to align AI progress with global sustainability goals.

The ALTAI highlights the importance of considering society as a whole, as well as the environment and sentient beings' interests when developing AI systems. It further stresses out the importance for AI systems to take into account their impact on the long term, on society in general, the environment as well as on democratic processes. The ALTAI distinguishes between (i) the impact on the environment, (ii) the impact on work and skills and (iii) the impact on society at large and democracy.

Question	Preferred	Question
N°	Clusters	
143	Consortium	Is there a strategy in place regarding potential societal and/or environmental impact of the FAITH AI_TAF?
144	Technical and LSP Partners	Will the FAITH AI_TAF have impact on workers within a specified organisation?
ALTAI		



145	All Consortium	Are there potential negative impacts of the FAITH AI_TAF on the environment?
146	Technical Partners	Where possible, did you establish mechanisms to evaluate the environmental impact of the FAITH AI_TAF's development, deployment and/or use (for example, the amount of energy used and carbon emissions)?
147	Technical and LSP	Does the FAITH AI_TAF impact human work and work arrangements?
148	Partners	Is the way paved for introducing the FAITH AI_TAF in your organisation by informing and consulting with impacted workers and their representatives (trade unions, (European) work councils) in advance?
149		Are measures adopted to ensure that the impacts of the FAITH AI_TAF on human work are well understood?
150	All Consortium	Could the FAITH AI_TAF create the risk of de-skilling of the workforce?
151	Technical and LSP Partners	Does the FAITH AI_TAF promote or require new (digital) skills?
152	Consortium	Could the FAITH AI_TAF have a negative impact on society at large or democracy?

4.3.3.7 Accountability

Accountability is a fundamental pillar of trustworthy AI, ensuring that **all actors** involved in the lifecycle of the system—from design to deployment—**are responsible for their decisions and actions**. It requires establishing mechanisms to trace and address potential issues, fostering trust among users and stakeholders.

A **robust accountability framework** maintains transparency and ensures that the AI models operate within ethical and legal boundaries. This includes defining clear roles, embedding accountability into design and implementation, and proactively addressing risks through regular assessments.

The ALTAI states that accountability requires to put in place mechanisms that ensure responsibility for the development, deployment and use of AI systems. This requires a strong risk management framework. The ALTAI further specifies that accountability focuses on (i) **auditability** and (ii) **risk management**.

Question N°	Preferred Clusters	Question	
153	Technical Partners	Are the FAITH AI_TAF's development and dep documented? How?	loyment activities
CA #10112	011	Distribution loval · Dubli o	Dece CO of 70

Table 22 - Accountability Assessment



154		What are the risk management mechanisms in place regarding the FAITH AI_TAF?	
		ALTAI	
155		Are mechanisms established that facilitate the auditability of the FAITH AI_TAF (e.g. traceability of the development process, the sourcing of training data and the logging of the AI system's processes, outcomes, positive and negative impact)?	
156	Technical	Is the FAITH AI_TAF auditable by third parties?	
157	Partners	Is any kind of external guidance or third-party auditing processes foreseen to oversee ethical concerns and accountability measures?	
158		Is risk training organised, and if so, does this also inform about the potential legal framework applicable to the FAITH AI_TAF?	
159	Legal Partner	Is there an AI ethics review board or a similar mechanism to discuss the overall accountability and ethics practices, including potential unclear grey areas concerning the FAITH AI_TAF?	
160	Technical Partners	Is there a process to discuss and continuously monitor and assess the FAITH AI_TAF's adherence to this Assessment List for Trustworthy AI (ALTAI)?	
161		Is there a process for third parties (e.g. suppliers, end-users, subjects, distributors/vendors or workers) to report potential vulnerabilities, risks or biases in the FAITH AI_TAF?	
162		For applications of the FAITH AI_TAF that can adversely affect individuals, are there redress by design mechanisms put in place?	

4.3.4. Legal and ethical Risk Management

Based on the information provided in the questionnaire, KU Leuven will be able to assess and identify potential interferences created by the FAIT TAF. The next step is to **assess those legal and ethical risks**. This requires measuring the identified interferences using consistent criteria. In line with EU law, risk assessment combines **severity**, which reflects the magnitude of an event, and **likelihood**, which indicates the probability of its occurrence. While legal and ethical risks cannot be quantified mathematically, they can be categorized qualitatively as **low**, **medium**, or **high**.

Assessing severity involves understanding the event causing the interference and predicting its potential impact. This requires consideration of objective factors, such as the infringement of legal norms, its reversibility, duration, and scope. Additionally, subjective elements, including societal, group, and individual perceptions, as well as adverse effects such as economic loss, time implications, and harm to well-being, are crucial for determining gravity. Evaluating likelihood, on the other hand, is relatively more straightforward and focuses on



estimating the probability of the identified event occurring, ranging from remote to more likely than not.

By combining these dimensions of severity and likelihood, risks can be assessed in a structured manner. This approach ensures enables comprehensive understanding of the potential impacts and probabilities associated with the FAITH AI TAF.

Table 23 helps to perform the assessment in a structured manner:

SEVERITY OF	High	Low risk	High risk	High risk
THE	interference			
INTERFERENCE	Middle	Low risk	Medium risk	High risk
	interference			
	Minimal or no	Low risk	Low risk	Low risk
	interference			
		Low	Medium	High
		Likeli	hood of the interfe	rence

Table 23- Risk assessment matrix⁷⁴

4.3.5. Legal and ethical Risk Mitigation

After identifying and assessing the interferences with the seven requirements for trustworthy Al that the TAF may pose, the next step is to manage the identified legal and ethical risks. This involves prioritising interferences classified as medium or high risk to ensure they do not escalate into violations of fundamental rights.

Based on the legal and ethical risk assessment, the FAITH consortium and/or LSPs should adopt targeted risk management measures. These can include design modifications, organizational policies, and improved transparency or redress mechanisms. For example, if the FAITH AI TAF or one of the LSPs disproportionately impact non-English speakers due to language bias in input data, the data must be recalibrated. Similarly, if human oversight mechanisms are insufficient for operators to act on system outputs, the framework must ensure adequate response times.

⁷⁴ Kovačević N and others, 'Application of the Matrix Approach in Risk Assessment' (2019) 2(3) Operational Research in Engineering Sciences: Theory and Applications 55 Distribution level : Public GA #101135932 Page 61 of 75



5. CONCLUSION

The assessment methodology and templates presented in this deliverable provide a structured framework for evaluating regulatory and ethical risks in relation to the FAITH AI_TAF. The incorporation of feedback from technical partners, LSP leaders, and the External Ethics Advisory Board will ensure a practical approach while enhancing legal and ethical compliance.

The comprehensive questionnaire addresses fundamental rights, data protection, cybersecurity, and fairness considerations through a unified approach. This holistic perspective enables LSP owners to identify potential risks early and implement appropriate mitigation measures and to evaluate the impact of the FAITH AI_TAF on their own activities. The information collected through the questionnaire within this assessment will allow for a better understanding of the FAITH AI_TAF and its impact on AI models relied upon by Partners within LSPs. It will result in the final version of the Deliverable (D1.4) that will identify any potential legal and ethical risk for the FAITH AI_TAF and propose measures to diminish and/or avoid those risks.

Moving forward, the framework will be updated based on the evolving EU legal landscape for AI regulation, practical insights gained from LSP implementations, technical advances in AI trustworthiness assessment, and emerging best practices. The final version of this deliverable (D1.4) will incorporate these learnings to provide an enhanced assessment framework and questionnaire. This will contribute to FAITH's broader objective of fostering trustworthy AI development while ensuring that legal and ethical considerations remain at the forefront of technological innovation.



6. **REFERENCES**

6.1. LEGISLATION

Charter of Fundamental Rights of the European Union [2012] OJ C326/391

Council Directive (EU) 2000/43/EC implementing the principle of equal treatment between persons irrespective of racial or ethnic origin [2000] OJ L180/22

Council Directive (EU) 2000/78/EC establishing a general framework for equal treatment in employment and occupation [2000] OJ L303/16

Council Directive (EU) 2004/113/EC implementing the principle of equal treatment between men and women in the access to and supply of goods and services [2004] OJ L373/37

Directive (EU) 2016/1148 concerning measures for a high common level of security of network and information systems across the Union [2016] OJ L194/1

Regulation (EU) 2016/679 on the protection of natural persons with regard to the processing of personal data [2016] OJ L119/1

Regulation (EU) 2017/745 on medical devices [2017] OJ L117/1

Regulation (EU) 2019/881 on ENISA and on information and communications technology cybersecurity certification [2019] OJ L151/15

Directive (EU) 2022/2555 on measures for a high common level of cybersecurity across the Union [2022] OJ L333/80

Proposal for a Regulation on horizontal cybersecurity requirements for products with digital elements COM/2022/454 final

Regulation on harmonised rules on Artificial Intelligence [2024]

6.2. SECONDARY SOURCES

Article 29 Working Party, 'Guidelines on Data Protection Impact Assessment (DPIA)' (WP248 rev.01, 2017)

CNIL, 'AI how-to sheets' <u>https://www.cnil.fr/fr/ai-how-to-sheets</u> accessed 27 December 2024

CNIL, 'Carrying Out Protection Impact Assessment If Necessary' <u>https://www.cnil.fr/en/carrying-out-protection-impact-assessment-if-necessary</u> accessed 27 December 2024

CNIL, 'Guidelines on DPIA' <u>https://www.cnil.fr/en/guidelines-dpia</u> accessed 27 December 2024



CNIL, 'Privacy Impact Assessment (PIA) Methodology' (2018)

Council of Europe, 'Best Practices in Academic Integrity' <u>https://rm.coe.int/bpp-a-compendium-of-best-practices-eng-/1680a86621</u>

Council of Europe, 'Ethical Behaviour for Actors in Education' http://rm.coe.int/CoERMPublicCommonSearchServices/DisplayDCTMContent?documentId= 09000016806d2b6f

Council of Europe, 'Ethical Principles'

https://rm.coe.int/CoERMPublicCommonSearchServices/DisplayDCTMContent?documentId =09000016806c90cd

Council of Europe Parliamentary Assembly Resolution 1003 on Ethics of Journalism (1 July 1993)

Demetzou K, 'Data Protection Impact Assessment: A tool for Accountability and the Unclarified Concept of "High Risk" in the General Data Protection Regulation' (2019) 35 Computer L & Security Rev 105342

European Committee for Standardization, 'Accessibility: Design for All' <u>https://www.cencenelec.eu/areas-of-work/cen-cenelec-topics/accessibility/design-for-all/</u> accessed 27 December 2024

European Data Protection Board, 'Opinion 28/2024 on Certain Data Protection Aspects Related to the Processing of Personal Data in the Context of AI Models' (2024)

European Equality Law Network https://www.equalitylaw.eu/ accessed 27 December 2024

Friedewald M and others, 'Data Protection Impact Assessments in Practice' (2022)

Garcia S.,Corrêa A and Stamatellos G., 'Template & Guidance for Legal and Ethical Impact Assessment', available at <u>https://www.themis</u> <u>trust.eu/_files/ugd/a245c2_c1fe2d866bf140e5a4e5daa8afb292ce.pdf</u> accessed 17 March 2025

Hanif H and others, 'Navigating the EU AI Act Maze Using a Decision-Tree Approach' (2024) 1 ACM J Responsible Computing 21:1

Kovačević N and others, 'Application of the Matrix Approach in Risk Assessment' (2019) 2(3) Operational Research in Engineering Sciences: Theory and Applications 55

Leslie D and others, 'Human Rights, Democracy, and the Rule of Law Assurance Framework for AI systems: A Proposal' <u>http://arxiv.org/abs/2202.02776</u> accessed 27 December 2024

Malgieri G and Santos C, 'Assessing the (Severity of) Impacts on Fundamental Rights' (2024) <u>https://papers.ssrn.com/abstract=4875937</u> accessed 13 January 2025



Novelli C and others, 'AI Risk Assessment: A Scenario-Based, Proportional Methodology for the AI Act' (2023)

Smuha N, 'The Work of the High-Level Expert Group on AI as the Precursor of the AI Act' (2024)

WHO, 'Developing an Ethical Framework for Health Ageing' (2017)

WHO, 'Ethics & Governance of Artificial Intelligence for Health' (2021)

World Medical Association Declaration of Helsinki (1964)

Yeung K and Bygrave L, 'Demystifying the Modernized European Data Protection Regime: Cross-Disciplinary Insights from Legal and Regulatory Governance Scholarship' (2022) 16 Regulation & Governance 137

'Z-Inspection[®]: A Process to Assess Trustworthy AI' (2021) IEEE Xplore https://ieeexplore.ieee.org/document/9380498 accessed 27 December 2024



7. Annex 1: SUMMARY CHART – LEGAL IMPACT ASSESSMENTS

	GDPR Al Act		Al Act	Al Act	Cybersecurity	Cybersecurity	Cybersecurity
Impact	Data Protection Impact	Risk	systemic risks	Fundamental	risk	risk	risk
Assessments	Assessment (DPIA)	Managemen	arising from	Rights Impact	management	management	management
Questions		t Assessment	GPAI model	Assessment (FRIA)	NIS Directives – Focus on NIS 2	Cybersecurity Act	Cyber Resilience Act
	The DPIA is a specific	The risk	GPAI models	The FRIA aims	Essential and	The EU's	The upcoming
	undertaking that must be	management	classified as	to identify the	important	Cybersecurity	Cyber
	carried out when the	system is a	'systemic risk'	specific risks	entities	Act	Resilience Act
	processing of personal	continuous	GPAI models	to the rights of	operating in	(Regulation	(CRA) sets
data is likely to result in a		iterative	must undergo	individuals or	critical sectors	(EU)	common
high risk to the rights		process	an	groups of	must put in	2019/881,	cybersecurity
and freedoms of natural		planned and	identification,	individuals	place	CSA)	requirements
persons (GDPR art 35)		run	assessment	likely to be	cybersecurity	introduced a	for products
Summary	The high risk is particularly associated with the use of new technologies	throughout the entire lifecycle of a high-risk Al system aimed at the identification , evaluation and	and mitigation of the systemic risks arising from their development, placing on the market or use at the Union	affected by selected high- risk AI system, and to identify measures to be taken if these risks	risk- management, based on a list of minimum measures to be implemented.	voluntary cybersecurity certification framework, covering ICT products, services and processes, which	with digital elements.



D1.3 Interim report on legal and ethical impact assessment

	management of the reasonably foreseeable risks that the high-risk AI SYSTEMS poses to health, safety and fundamental rights.	level, with identification of the possible sources of these risks. (Al ACT, Art. 55 (1)(a)(b)).	materialise (Al ACT, art. 27).		includes the ones using AI technologies.	
Material ScopeThe scope of the DPIA is any operation or set of operations on personal data (i.e. "processing", GDPR art. 4(2)) that, taking into account the nature, scope, context and purposes, is likely to result in a high risk to the rights and freedoms of natural persons.In the context of FAITH, a high risk may occur when personal aspects as preferences or interests	All high-risk Al systems must undergo the risk management introduced by Art. 9 of the AI ACT. The only exceptions are the high- risk AI systems covered by Union harmonizati	The risk management required by art. 55 AI ACT concerns only GPAI models with systemic risks. An AI model is a GPAI model when i) is trained with a large amount of data using self-	The scope of the FRIA is: - all high-risk AI systems listed in AI ACT, Annex III, if the deployer is a public law body or if the high-risk AI SYSTEMS falls into the notion of public service provided by a private entity.	The risks to be managed are those posed to the security of networks and information systems that the entities use for their operations or the provision of their services (NIS 2, art. 21). Network and information	A cybersecurity certification scheme is "a comprehensiv e set of rules, technical requirements, standards and procedures that are established at Union level" and which serves to assess the cybersecurity	'Product with digital elements' is both software (like mobile apps or operating systems) or hardware products (like laptops and smartphones) and their software or hardware components, placed on the



D1.3 Interim report on legal and ethical

impact	assessment
--------	------------



D1.3 Interim report on legal and ethical impact assessment

incorporated	persons (Al	use,	maintain an	
in the Al	ACT, Annex III,	protection	ICT product or	
chatbot.	points 5b and	and	ICT service	
	c), regardless	maintenance	(CSA, Art.	
	of the private	(NIS2, art.	2(12), (13),	
systemic risk	or public	6(1)).	(14)).	
pertains to	nature of the			
the specific	deployer or	AI STSTEIVISS		
capabilities of	the service	anu unen		
the GPAI	offered.	dssets dre		
model,		therefore		
matching or		information		
exceeding the		information		
capabilities of		systems .		
the most				
advanced				
GPAI model,				
and that can				
have a				
significant				
impact on the				
Union market				
(AI ACT, art.				
3(65)).				

D1.3 Interim report on legal and ethical



impact assessment

	Conducted by data	The	The obligation	Only	The entities	Manufacturer	The common
	, controllers and might	obligation	lies on the	, deployers that	must be	s and	cybersecurity
	involve Data Protection	lies on the	provider of	are (AI ACT,	identified by	providers of	, rules are
	Officers (DPOs), data	provider of	the GPAI	art. 27):	Member	ICT products,	mainly
	subjects and supervisory	the high-risk	model with	1) hadiaa	States among	services and	addressed at
	authorities for	AI SYSTEMS	systemic risk,	1) boales	those	processes may	the
	consultations.	(AI ACT, art.	who bears a	governed by	operating in	rely on a	manufacturer
	In the context of FAITH it	16, 43).	crucial	typically	critical sectors	European	s of products
	is possible that two or		responsibility	nublic	listed by Art. 2	cybersecurity	with digital
	more Partners determine		along the AI	administratio	and 3 and by	certification	elements. The
	iointly the nurnoses and	Provider is	value chain,	n·	the Annexes	scheme to	other
	means of the data	anyone –	given that the	"',	of the NIS 2,	ensure	economic
	nrocessing for instance	person,	model can be	2)	such as	compliance	operators who
~ '	the ISP Partner and the	public	used by a wide	privat	energy,	with the	participate in
Personal	technical Partner	authority,	range of	e entities	transport and	cybersecurity	making the
Scope	working closely together:	company etc.	downstream	providing	healthcare.	requirements	product
	in this scenario the	- who	AI SYSTEMSs.	public		covered by	available on
	Partners would be "ioint	develops,		services, such		the scheme.	the market,
	controllers" and would	places it on		as performing			such as
	be equally responsible	the market or		tasks in the			importers and
	for the DPIA.	puts into		public interest			distributors,
		service an Al		(AI ACI, Rec.			are
		SYSTEIVIS OF a		96);			responsible
		general-		3) private			for verifying
		purpose Ai		or public			that the
		whathar for		entities			manufacturer
		whether lor		offering			s have
		froo of		private or			respected
		charge (Al		public services			their
		Charge (Al					



D1.3 Interim report on legal and ethical impact assessment

		ACT, art.		- typically			obligations
		3(3)).		banking or			(CRA, Chapter
				insurance			II).
				entities (Al			
				ACT, Rec. 96) -			
				intended to			
				perform			
				credit, risk or			
				price			
				evaluations			
				regarding			
				natural			
				persons (Al			
				ACT, Annex III,			
				points 5b and			
				c).			
	The controller has to	The risk	Providers	The	The risk	The CSA	The
	conduct an assessment	management	have to	assessment	management	outlines the	cybersecurity
	that contains:	system under	evaluate the	consists of:	concerns:	framework,	level of the
	1) A detailed	Art. 9 of the	model to	1) a	i) the adoption	for instance in	product must
	, description of the	AI ACT takes	identify the	description of	of appropriate	terms of	be
	processing	a product	risks, also	all the	and	objectives,	appropriate
Practicalities	activity;	safety	through	processes in	proportionate	assurance	to the risks
	2) A necessity and	approach to	adversarial	which the AI	technical,	levels and	identified by
	proportionality	the	testing by	SYSTEMS will	operational	minimum	the
	test for the	regulation of	standardised	be used,	and	elements,	manufacturer
	processing	AI	protocols and	specifying the	organisationa	within which	thanks to the
	activity;	SYSTEIVISS.	AI SYSTEMISS	time, the	l risk	European	cypersecurity
			renecting the	frequency and		cypersecurity	



D1.3 Interim report on legal and ethical impact assessment

3) An evaluation of	This means	state of the	the persons or	management	certification	risk
the risks	that AI	Art (Al ACT,	group likely to	measures; and	schemes can	assessment.
 envisaged to the rights and freedoms of data subjects; 4) Risk mitigation measures to be adopted. 	SYSTEMSs are treated as products that must undergo risk assessment and management procedures and implement specific requirement s to protect health and safety, but also fundamental rights. The risk management system is aimed at identifying and managing "the known	Art. 55(1) (a)). In practice, providers have to continuously assess and mitigate the risks, also through risk management policies, post- market monitoring throughout the whole lifecycle and in cooperation with the downstream actors (AI ACT, Rec. 114).	be affected in a specific context; 2) a risk analysis, identifying specific risks of harm impacting the fundamental rights of the affected persons and groups; 3) a risk management phase, putting in place human oversight safeguards and procedural measures to be adopted in case a certain risk occurs,	 ii) the prevention and minimisation of the impact of incidents on recipients of services. Risk management measures must consider physical, environmenta I, human and interference risks (so called all-hazards approach). They can be technical and organizational . 	be established. The EU Agency for cybersecurity (Enisa) develops draft certification schemes, upon request of the European Commission or the EU Member States, with the support of Ad-Hoc Working Groups and in collaboration with the EU Commission, EU countries, and relevant stakeholders.	The cybersecurity risk assessment consists of (CRA, art. 13): - an analysis of cybersecurity risks considering the intended purpose and reasonably foreseeable use, the conditions of use and the length of time the product is expected to be in use; - an indication of how the cybersecurity

GA #101135932

Distribution level : Public

Page 72 of 75


D1.3 Interim report on legal and ethical impact assessment

and the reasonably foreseeable risks" that the high-risk AI SYSTEMS can pose to health, safety or fundamental rights when the system is used following its	such as redress mechanisms. (!) If a DPIA is required, the two assessments must be coordinated.	requirements are implemented in practice.
Intended purpose, taking into consideratio n the experience of the expected deployers and the presumable context of use.		



Sc

D1.3 Interim report on legal and ethical impact assessment

	Initiated before the start	lt is a	Art. 55 of the	Before	As soon as the	Under the	The
	of the processing,	continuous	AI ACT does	putting the AI	directive is	CSA, the	cybersecurity
	reviewed periodically	process,	not specify	SYSTEMS to	transposed	cybersecurity	risk
	and when there is any	which	when risk	its first use.	into national	certification is	assessment
	change that may impact	requires	management	Like the DPIA,	legislation by	voluntary,	starts during
	its results.	systematic	has to start.	the FRIA	Member	implying that	the design
		review and	An indication	needs to be	States (by 18	it can be	phase of the
		updating.	is contained in	reperformed	October 2024)	performed	product and
		Compared to	Rec. 114	when any of	the concerned	also after the	accompanies
		the DPIA and	which states	the elements	entities will be	commercialisa	its
		also to the	that the	relevant to the	obliged to	tion of the	development
		FRIA, the	model	assessment	implement	relevant ICT	and
		iterations of	evaluation in	change or	the risk	product <i>,</i>	production.
Temporal		the risk	view to the	become	management	service or	Documentatio
Scope		management	identification	outdated (AI	measures.	process (CSA,	n and
•		system seem	of systemic	ACT, art. 27		Art. 56). In	updating must
		even stricter,	risks takes	and rec. 96).		practice, to	be ensured
		because it	place "prior to	Then, if a		meet the	during a
		should	its first	specific risk		certification	specific
		accompany	placing on the	occurs, the		scheme	"support
		every step of	market" and	risk		requirements,	period"
		the Al	that the	management		the ICT	determined by
		SYSTEMS	assessment	measures,		product,	the
		lifecycle.	and mitigation	including		service or	manufacturer,
			of risks is	internal		process must	based on the
			"continuous".	governance		be designed	period of use
				arrangements		and	expected for
				and complaint		developed in	the product
				mechanism,		accordance	

GA #101135932



D1.3 Interim report on legal and ethical impact assessment

	need to be activated.	with such requirements.	