



Quality control and risk register

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Acronym of the project: XAlface

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Short abstract

This document reports the activities relative to WP1, T1.2 "Quality control and risk assessment." In this current version, the document reports the quality control actions and the risk register. The risk register extends the risks individuated in the project proposal.



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1. Introduction

The objective of Work Package 1 is to ensure the project is managed in an efficient way, to be responsible for the financial and administrative management, to maintain the necessary infrastructure (IT, document and data handling), to perform risk management, to manage communication within the project and with the Commission, to resolve conflicts, and to carry out the strategic and executive management of the project as a whole.

In this document, we report the activities relative to Task 1.2 "Quality control and risk assessment".

2. Quality control

As far as quality control activities in XAIface are concerned, the following elements have been set up for the time being:

- A **mailing list** was set up to keep project partners up-to-date on project deadlines, progress, results and events;
- A copy of the **Gantt chart** was distributed to all partners: this will ensure that documents are prepared on time and their quality is improved as a result;
- The **list of deliverables**, with deadlines and responsible institution for each deliverable, was distributed to the project partners: this also will ensure that documents are prepared on time and their quality is improved as a result;
- A **template** for drafting project documents has been created: this will ensure that the documents are all in the same format and contain all important information;
- The **logos** of the project partners and other useful **images** for documents etc. are made available to project partners in high quality on the XAlface's *Google Drive*: this ensures that the quality of the visual content of the documents is high;
- The **slides** of the presentations made during the project are shared with the project partners on XAlface's *Google Drive*: this will ensure that all partners have access to the information they need;
- The text to be included in the **Acknowledgement** section of the scientific articles produced during the project has been defined and shared via *Google Drive*: this will ensure that the project and its funding will be mentioned correctly by all partners.
- A **slack** channel has been created in order to host technical discussions and create subgroups for consortium collaboration.
- **Google Drive folders** have been created for storing deliverable versions ready for submission.

3. Risk management

The project Risk Register that was originally specified at the project proposal stage is regularly reviewed. New risks and mitigation measures are added to the Risk Register (section 3.1), including likelihood (probability of occurrence) and impact (estimate of their severity of impact on time, cost and performance provided), as well as detailed corrective/mitigation measures.



3.1 Risk Register

The risk register below reports project risks classified according to different categories: Technological risks, implementation risks, integration risks, cooperation risks, management risks, exploitation risks, data protection risks, standards compliance risks.

For each risk, identified by a unique ID number, the following is reported:

- description of the risk;
- WPs involved, which work packages are potentially impacted by the occurrence of this risk?;
- Proposed risk-mitigation measures;
- Probability of the problem occurring;
- Impact on the project of the problem should it occur.

Legend:

- L low probability / low impact
- M medium probability / medium impact
- H high probability / high impact

ID	Description of risk	WPs involv ed	Proposed risk-mitigation measures	P r b a b i l i t y	l m p a c t
			echnological risk	1	
1.1	Not enough relevant data	3	Generate artificial face images to complement existing datasets	М	н
1.2	Results of assessment not convincing	5	Report the findings anyway and focus on the more convincing achieved results	L	L
1.3	Results too specific to face recognition	4, 5	Provide a set of protocols and metrics that can be equally applied to other fields	М	L
1.4	Some of the influencing factors cannot be fully explainable	4, 5	Factors that were not initially planned could be included as well as using alternative machine- learning models (notably generative models) that may be more easily explainable.	Н	М
1.5	Privacy, ethical and legal requirements not sufficiently taken into account in the design.	3 + all tech. WPs	Legal expert UNIVIE is a partner in the consortium and will be in close contact with the technical teams. L-E-P issues will be added as a permanent topic on the agenda of the Project Board.	н	М
1.6	Technical problems during component/module	5,6	The system architecture will be designed with maximum flexibility to simplify the integration	н	М

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	development. The various		of all modules. Furthermore, all partners agree		
	partners could develop		to use standard protocols, open hardware or		
	processing modules quite		platform independent programming languages		
	independently, without a		in their development. The coordinator		
	detailed discussion about their		experience should guarantee coherence and		
	functionality.		finalise the effort of all of the partners to reach		
			the project objectives.		
	l.	2. Im	plementation risk		
2.1	Evolution of privacy	3 + all	UNIVIE will provide the project with the ability		
	legislation during the	tech.	of analysing the possible evolution of privacy		
	project	WPs	legislation and its application practice, as well	н	н
			as adopting the necessary corrective measures		
		3.	Integration risk		
3.1	Delays in component	4, 5	Continuous monitoring of project progress in		
	development may lead to	., -	WP4 and WP5 will be made to track		
	delays in system integration.		development, determine any potential delays	н	Н
			and enable rapid adaptation.		
		4. 0	Cooperation risk		
4.1	Conflicting goals within	1	At all stages of the concept development, all		
	consortium, e.g., between	-	partners will be fully briefed and will have the		
	research interests and		opportunity to influence the solutions.		
	commercial interests.		Moreover, many of the work packages will be	L	L
			carried out in parallel. This will ensure all views		
			are considered and design decisions are		
			communicated amongst the consortium.		
4.2	Poor quality of deliverables	1	Project progress will be assessed at frequent		
	and/or delay in meeting	_	intervals to predict possible delays and act		
	deadlines.		accordingly. Internal management reports will		
			assist in monitoring progress and aid timely	н	L
			identification of risks or issues in time to deploy		
			corrective solutions.		
	•	5. N	lanagement risk		
5.1	Management, communication	1	Several of the XAIface partners have a track		
	and cooperation problems.		record of working together. A collaborative		
			project atmosphere will be facilitated by	N.4	
			frequent consortium communication, including	М	М
			technical meetings, progress meetings,		
			teleconferences, and emails.		
5.2	Project consistency issues, e.g.	1	The project execution will be monitored closely		
	independencies and		(including reviews at regular consortium		
	(inconsistent) timing of		project meetings) and corrective actions will be		
	activities (e.g. deliverables in		taken where necessary to ensure the project	L	м
	relation to work plan, critical		runs smoothly.	L .	
	project path) that prevent the				
	project running in a				
	streamlined manner.				
5.3	Poor quality of (critical)	1	The progress of the project will be assessed at		
	deliverables, deliverables		frequent intervals to predict possible delays		
	delivered late and/or		and act accordingly. Internal management	М	м
	milestones are missed.		reports will assist in monitoring progress and		
			aid the timely identification of risks/issues in		
			time to deploy corrective solutions.		
6. Exploitation risk					
6.1	The developed solutions are	4, 5	To ensure that the capability for knowledge		
	too specific to the defined		transfer is available the development of the		

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	scenarios (and cannot be		solution will be frequently analysed to ensure		
	generalized)		the components and algorithms are abstracted		
			to a sufficient level.		
6.2	The final solution is	3	Inform policy developers of XAIface activities		
	incompatible with the current		and indicate any necessary changes that are	L	М
	legal framework		needed.		
		7. Da	ta protection risk		
7.1	Non-compliance with GDPR	All	GDPR has been incorporated into the Data		
			Management Plan; adherence to DMP is	L	Н
			monitored at Project Board Meetings		
		8. Stand	ards compliance risk		
8.1	There is a risk that XAIface	All	The project will perform an extensive review of		
	activities are out of step with		existing and developing standards and best		
	current and emerging best		practice. By reviewing existing standards as well		
	practices or developments in		as monitoring developments and engaging at		
	this area. Specifically, bias		forums such as the SC37 biometrics standards		
	measuring solutions being		committee and the SC42 artificial intelligence	Μ	М
	explored by the project are still		standards committee we ensure, that the		
	fairly novel thus not		findings from XAIface are incorporated into		
	necessarily addressed by		developing standards and are able to highlight		
	existing standards.		gaps or areas where there is a need for		
			amendment or revision to existing standards.		

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