



# fRamework for safE, opEn, collaboratiVe And inclUsive digitisAtion and management of cultural heritagE

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**Context Validation Enabler**

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**CERTH (CERTH)**

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# Document Sheet

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## Document history

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0.2	16.05.2025	Violence Detection	Georgios Botsoglou (CERTH)
0.3	19.05.2025	Crime Scene Detection	Nikolaos Kyriakidis (CERTH)
0.4	02.06.2025	Nudity Detection	Giacomo Blanco (LINKS)
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0.6	06.06.2025	Introduction and Implementation	Panagiotis Stalidis (CERTH)
0.7	16.06.2025	Document Consolidation	Panagiotis Stalidis (CERTH), Thodoris Semertzidis (CERTH)
0.8	19.06.2025	Document Revision - Corrections	Nikolaos Kyriakidis (CERTH)
0.9	25.06.2025	Final version	Georgios Botsoglou(CERTH), Thodoris Semertzidis (CERTH)

## Publishable summary

This document provides a report of the work accomplished with regards to the Context Validation enabler. The Context Validation enabler is a tool that allows curators and digital artefact owners to monitor and control the context in which their property is used and or reused. It describes a state-of-the-art methodology that allows the verification of arbitrarily defined contexts through a multimodal large language model architecture. Additionally, a methodology is proposed to make this model even more cost effective by reducing its memory and computation footprint while retaining the predictive accuracy. For some specific contexts, it is imperative that the detection of a violation is with very high accuracy and that no cases are missed, such as nudity, crime scenes and violence. A description of the research and methodologies employed to solve these special cases is also provided in this report. An overview of the current implementation of the enabler is also provided, along with the steps taken so far to ensure its integration with the other enablers of the REEVALUATE platform. This process is ongoing, with continuous efforts being made to refine and enhance the integration.

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