



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

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DELIVERABLE 1.7:

Mock-ups and Architectural Schemes (v2)

Work Package 1

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FRAUNHOFER FOKUUS

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Document Sheet

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Publishable summary

This document consists of two major parts, the architectural framework for the REEVALUATE enablers and the screens/mock-ups designed as a guide to set the basic rules for visual and aesthetic design of the REEVALUATE applications.

The first part, presenting the architectural framework is based on the conceptual architecture presented in the project proposal. The architecture has then been extended and refined, based on the user needs and usage scenarios identified and described in Task 1.3 “User needs and usage scenarios”.

Subsequently, the suitability of the architectural framework has been verified by mapping the elements of the KAOS (Knowledge Acquisition in automated specification) diagrams produced in Task 1.3 to the framework. Those diagrams were reported in D1.3 “User needs and usage scenarios”. The suitability of the framework was checked by ensuring that all identified issues had elements in the architecture that addressed them. Only goals that can only be addressed outside the architectural framework, such as “low energy footprint” or “effective and efficient AI”, were excluded, as those need to be addressed by the specific implementation.

Based on the architectural framework presented, different views of the framework are derived, showing the modular use of a subset of the enablers for specific tasks and the possibility of developing stand-alone tools for specific purposes. Additionally, UML diagrams showing the information flow between the framework entities are provided for typical interactions.

The second part of the deliverable presents mock-up applications for the Marketplace, the Public Sensing App, the Contextualisation App and the REEVALUATE Hub.

The design mock-ups have been developed as interactive web applications, although with fixed, mocked-up content and without any access to real data sources or enablers, in order to not only act as a visual design guideline, but also as a guide for the interactive behaviour of REEVALUATE applications.

This deliverable serves as the core document for the coordinated development of the enablers and applications to be developed in WP 2 “Semantic Management Enablers” and WP 3 “Collaboration & IPR Management Enablers”, which will subsequently be integrated, piloted and validated in WP 4 “Piloting and Validation of the REEVALUATE framework”.

The deliverable represents an updated version of D 1.5, submitted in January 2025.