



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

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Collaboration Enabler.R1

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KU Leuven (KUL)

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Publishable summary

This deliverable reports the initial design and development of the Collaboration Enabler, a core component of the REEVALUATE platform that supports the discovery, retrieval, and reuse of digitised cultural heritage assets. The enabler contains two main systems: a multi-modal information retrieval system and a match-making system. These systems leverage ontologies and knowledge graphs which include structured metadata to provide users, such as creative industries, companies, and artists, with intelligent search and matchmaking functionalities. The information retrieval system supports both image-based and text-based queries, while the match-making system suggests relevant artefacts that may interest users based on user profiles and artefact features via knowledge graph embeddings. This deliverable outlines the architecture of the enabler, literature review, methodology, implementation details, and experiments, demonstrating the effectiveness of the systems. This document also provides detailed API designs and specifications, facilitating seamless integration and interaction with the user-interface components.