



PEERS
PracticeE Ecosystem for standaRdS

Deliverable 4.6
PEERS Ecosystem Data Population report

28 February 2025

V1.0





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EXECUTIVE SUMMARY

This report provides an overview of the data population process for the CBRNe Knowledge Hub, a web-based platform designed by PEERS to centralise and structure critical documents within the CBRNe domain. In particular, we discuss the data population as of Beta release of the Hub, ahead of the final Gamma release in August 2025. The document outlines the methodology, data sources, classification approach, challenges encountered, and future recommendations for improving the Hub's content quality and accessibility.

The CBRNe Knowledge Hub serves as a repository of knowledge, gathering policy documents, standards, training materials, research papers, and best practices relevant to the CBRNe (Chemical, Biological, Radiological, Nuclear, and Explosive) sector. The data population process aims to ensure that users - ranging from policymakers to CBRN first responders - have access to validated, high-quality information essential for decision-making, regulatory compliance, and emergency preparedness and response.

To achieve this, a structured methodology was implemented, involving a systematic data collection strategy, rigorous validation procedures, and integration of documents into a well-organised, searchable framework. This process was guided by predefined metadata and classification standards to ensure consistency, accuracy, and ease of access.

Despite the success of the data collection and integration efforts, several challenges were encountered, including variability in document formats, discrepancies in access (free & paid), and ensuring IPR compliance. To mitigate these issues, a robust metadata schema was developed, incorporating expert-driven best practices for standardisation and categorisation. Additionally, access control mechanisms were put in place to protect sensitive documents while ensuring that publicly available information remains easily accessible.

The report also highlights user engagement strategies, including the implementation of advanced search functionalities. Specifically, through incorporation of social features, we incorporate user feedback loops to continuously refine and improve the repository's usability. A key priority moving forward is to expand the data repository, incorporating additional sources, ensuring multilingual support, and integrating data visualisation and analytics to enhance the retrieval and classification of documents.

This deliverable represents a significant milestone in the PEERS project, demonstrating the feasibility and effectiveness of a centralised knowledge hub for CBRNe stakeholders. The next steps involve continuous monitoring and updates, fostering collaborations with domain experts, and enhancing the Hub's technological capabilities to ensure long-term sustainability and impact.

