



An integrated toolbox for improved verification and prevention of adulterations and non-compliances in organic and geographical indications food supply chain

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Executive Summary

This deliverable presents the final version of the Data Management Plan (DMP) for the THEROS project, describing in a consolidated manner how data are generated, processed, managed, shared, protected, and preserved during and after the project's lifetime. It builds upon the data management framework initially established in Deliverable D1.3 – Data Management Plan (intermediate version) and reflects the actual data management practices implemented following the development, integration, and validation of the THEROS toolbox components.

The document defines the data management policy of THEROS, ensuring alignment with Horizon Europe requirements, FAIR data principles, and applicable ethical and legal frameworks. As such, it provides a complete and up-to-date overview of data governance within the project, taking into account the full technical maturity reached by the THEROS system.

This deliverable has been prepared through the collaborative efforts of the project coordinator and the technical partners responsible for the design, implementation, and operation of the THEROS toolbox. These components include, among others, the EO-based ecosystem services, MEMS-based photonics systems, IoT sensors network, DNA-based authenticity kit, blockchain-based traceability system and verification engine, the Digital Marketplace, the Dynamic Digital Product Passport, the Green Accountability Tool, and the data management, harmonisation, and interoperability platform.

In line with Horizon Europe guidance, the THEROS Data Management Plan is conceived as a living document that has evolved throughout the project's duration. This final version captures the outcome of this iterative process and confirms that data management practices have been continuously updated to reflect technical progress, pilot deployment requirements, and validation activities.

The deliverable is structured as follows:

Chapter 1 introduces the deliverable and outlines the overall approach to data management within THEROS, highlighting its relevance for project implementation and long-term sustainability.

Chapter 2 describes the data management methodology applied in THEROS, including data types and sources, FAIR data provisions, data access and security measures, resource allocation, and compliance with ethical, legal, and regulatory requirements, following the European Commission DMP template.

Chapter 3 provides concluding remarks summarising the final data management approach and key outcomes.

Chapter 4 presents a consolidated summary table of all datasets included in the final Data Management Plan of THEROS.