TITAN

Transparency solutions for transforming the food system

Deliverable 1.5 – Data Management Plan

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Executive Summary

The updated Data Management Plan (DMP) at the end of TITAN's second Reporting Period outlines how project data is generated, managed, and shared in alignment with FAIR principles. The project develops trusted, privacy-preserving solutions for sensitive data, especially in public administration and healthcare domains.

This DMP includes an updated overview of all datasets produced so far and the procedures for their publication on Zenodo. Public and non-sensitive datasets will be deposited in a dedicated TITAN community on Zenodo, each receiving a DOI and rich metadata to ensure findability, interoperability, and long-term preservation. Sensitive data will not be shared publicly; instead, only anonymized or pseudonymized derivatives will be uploaded, with raw versions remaining inside TITAN's secure, access-controlled environments.

The DMP details the standards, metadata schemes, and formats used to maximize interoperability and future reuse. It also clarifies roles and responsibilities among partners for data collection, curation, anonymization, quality assurance, and repository upload. Security, privacy, and GDPR compliance remain central throughout the data lifecycle.

Overall, this updated DMP reinforces TITAN's commitment to transparent, secure, and reusable research outputs, ensuring that shared datasets remain accessible and meaningful to the broader scientific and EOSC communities.

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Abbreviations

Acronym	Definition
AI	Artificial Intelligence
BC	Blockchain
BPMN	Business Process Modeling Notation
D	Deliverable
DMP	Data management plan
ERP system	Enterprise resource planning system
FSC	Food supply chain
SME	Small and medium-sized enterprises
T	Task
TITAN	Transparency solutions for transforming the food system
WP	Work package

Terminology

Acronym	Definition
Data repository	A data repository enables data archiving by providing a long-term storage solution, often set up for researchers. In TITAN, data repositories are used to make data publicly available.
Data provenance	Data provenance refers to the data origin, what it will be used for and how it moves.
Metadata	Metadata is information about other data and is thus linked to certain data. Metadata is not about the content of these data, but describe certain characteristics, such as authors, language, date of publication or how to access it.
Interoperability	The concept interoperability in the context of TITAN refers to the formatting of data in a way that it can be shared and used by diverse (dissimilar) systems.
Ontology	An ontology encompasses a description of the data structure by defining data classes, properties and relations.
Creative Common licenses	Creative Commons licenses form a coherent whole of various public licenses with which a work that falls under copyright law, such as datasets, can be distributed freely.

1. Introduction

The European Green Deal and the Farm to Fork strategy frame the EU's ambition to transform the food system toward sustainability, transparency and resilience. Transparency is a prerequisite for informed choices by consumers and for evidence-based policymaking across the value chain.

TITAN leverages digital innovations to enable transparency—supporting a paradigm shift toward a demand-driven food system with healthier and more sustainable outcomes. WP1 coordinates this effort across a diverse consortium and ensures coherent governance of data. Building on the foundations set in earlier DMP versions, D1.5 provides the Month-36 update focused on what actually happened in M1–M36 and consolidates WP/Task-level dataset reports.

In line with D1.4, TITAN continues to implement FAIR data practices with Zenodo as the default repository for public outputs (with 4TU.ResearchData as an alternative when size/format warrants). This update reaffirms roles and processes and compiles the datasets generated, used or re-used to date, including the DOIs, licenses, and access conditions applied.

Because TITAN's pilots include human participants, data management remains tightly coupled to ethics and data protection requirements (GDPR), with appropriate safeguards and anonymization or controlled access. Partners should continue to read this DMP alongside WP10 ethics deliverables.

Finally, D1.5 maintains the project's commitment to open science: "as open as possible, as closed as necessary." If data cannot be immediately open, WP Leaders must justify embargoes or restrictions and state an embargo end date, where applicable.

2. Objectives of the document

This document looks back at Month 36. It compiles dataset tables for each work package and task based on data actually generated and used. For every dataset it records the DOI, license, and access level. It verifies how FAIR was applied in practice: findability through DOIs and metadata, accessibility, interoperability, and reuse supported by clear licensing and documentation. It follows the D1.4 data management plan by keeping Zenodo as the primary repository and the data register as the internal inventory. It links reported datasets to ethics and legal safeguards such as consent, DPIA when needed, anonymization or pseudonymization, and data sharing agreements in line with WP10. It also prepares the way to D1.6 at Month 48 by listing gaps and the actions to close them.

2.1 Associated Tasks

D1.5 sits within WP1 – Project Management & Coordination.

- T1.4: defines and maintains the data management lifecycle (this DMP).
- T1.6 and WP10: ensure ethical compliance for human-participant data and alignment with GDPR and institutional review processes.

Roles remain as stated in D1.4: WP Leaders ensure adherence within their WPs; the Project Coordinator maintains the data register/repository status; TUD supports infrastructure and clarifications; all partners ensure internal team compliance.

3. How to read this document

- Section 6 (by WP) is the working area for partners. For each Task in your WP, paste the completed dataset table(s) (one table per dataset). If a Task produced no datasets, add a one-line note: "No datasets produced." This mirrors the practical guidance given in D1.4, adapted to an M36 retrospective.

- For every dataset, include: DOI (Zenodo preferred), license, access level (Open/Embargoed/Restricted/Confidential), and, if not open, a reason and embargo end date.
- TITAN Project does not have a single data registry. Therefore, every partner should have a local store on their own premises and make it available through ZENODO DOI generation.
- Read this document together with the relevant WP10 ethics deliverables for guidance on consent, safeguards, and lawful processing.

4. Summary of Data Processing After 36 Months (Retrospective)

This section summarizes the types of data actually processed during M1–M36 across pilots and research activities (personal and non-personal; primary and secondary). It complements the earlier expectations recorded in D1.4.

4.1 Purpose of Data Collection (observed)

- Data supported tool development, validation, and evaluation across pilots, and underpinned scientific publications and deliverables.
- Publicly shareable datasets increase reproducibility and support policy and industry decision-making.

4.2 Data Types and Utility by WP

WP2: qualitative interviews/focus groups with stakeholders; utility: typologies, org. strategies.

WP3: technology inventories, modeling/diagrams, interoperability assets; utility: methods & standards.

WP4: lab measurements, ERP/traceability, DNA/omics; utility: food safety/authenticity risk insights.

WP5: farm/field sustainability data, RFID/inventory, product catalogs; utility: waste reduction, footprinting.

WP6: consumer tools, nutrition/LCA, traceability to consumers; utility: healthy/sustainable choices.

WP7: policy interviews/surveys; utility: governance and transparency recommendations.

4.3 Provenance

Primary (pilots, instruments, apps, surveys) and secondary sources (e.g., Eurostat, LCA, nutrition databases) were used; provenance must be recorded per dataset table.

4.4 Formats and Storage

Common open formats (CSV/JSON/XML/RDF) alongside documentation (PDF/DOCX), media (JPG/PNG/MP4), and analytics files; storage on institutional/consortium services.

5. FAIR and Open Research Data

TITAN continues to implement FAIR with Zenodo as the default open repository (community collection), rich metadata (DataCite profile), and DOIs for citation and versioning.

5.1 Findable

Deposit datasets to Zenodo (or 4TU.ResearchData when size justifies), include grant number and project acronym, supply rich metadata and controlled vocabularies.

5.2 Accessible

Principle: "as open as possible, as closed as necessary," with open formats; restrict only when justified (ethics/IPR/privacy). If restricted/embargoed, include reason and (if applicable) end date in the table.

5.3 Interoperable

Prefer open/tabular formats, schema/ontologies, READMEs, and, where applicable, RDF; provide documentation for any non-standard formats.

5.4 Re-usable

Apply appropriate licenses (e.g., CC-BY for data; CC0 when applicable) and clear provenance; include README and, when relevant, executable code/containers.

6. Reporting Instructions and Guidelines

For each WP, create a subsection for every Task. Paste the completed dataset table(s) under the relevant Task. If a Task produced no datasets, insert "No datasets produced." Keep section numbering.

WP: XX	Task: XXX	Partner name:
Field	Description / Options	Answers
Data ID / Reference	Unique identifier for the dataset (e.g., WP number, task, acronym).	
Data Title	Title or short description of the dataset.	
Origin of Data	☐ Primary data (collected/generated within project) ☐ Secondary data (re-used from external sources)	
Data Collection Method	Select one or more: ☐ Interviews ☐ Surveys ☐ Measurements ☐ Demonstrations ☐ Literature ☐ Sensor data ☐ Simulation / modeling ☐ Administrative / project records ☐ Other (specify)	
Content / Data Type	☐ Text (notes, reports, transcripts) ☐ Numeric (tables, counts, measurements) ☐ Audiovisual (images, sound, video, presentations)	

	☐ Software / code ☐ Metadata only ☐ Other (specify)	
Volume / Size	Indicate approximate size: ☐ <100 MB ☐ 100 MB–1 GB ☐ 1–10 GB ☐ 10–100 GB ☐ >100 GB (Specify if applicable)	
File Formats	Specify all formats used (e.g., DOCX, PDF, PPTX, CSV, XLSX, JSON, XML, JPEG, PNG, MP4, WAV, etc.).	
Software Required	List software needed to access/use data (e.g., MS Office, R, Python, Matlab, GIS tools, proprietary lab software).	
Generation / Collection Details	Describe how the data was generated or collected (e.g., "Survey of 200 participants using online form," "Sensor logs from LL trials," "Simulation outputs from WP2 model").	
Source of Secondary Data (if used)	Provide details of external data (dataset title, source, DOI, license).	
Purpose of Data	Describe intended use (e.g., project management, reporting, financial monitoring, scientific analysis, Living Lab coordination, dissemination, ethics compliance).	
FAIR & Sharing	Indicate: • DOI (e.g., via Zenodo, institutional repository): • Link/URL or location • Access level: ☐ Open ☐ Restricted ☐ Confidential (consortium only) • License applied (e.g., CC-BY, CC0, proprietary):	
Ethical / Legal Considerations	Note if data includes: • Personal data (GDPR compliance) • Sensitive data (health, financial, etc.) • Ethical approvals required.	
Documentation / Accessibility	Indicate whether supporting materials exist: ☐ README file ☐ Website / online documentation	

	☐ Executable code / scripts ☐ API or service endpoint ☐ None (explain why)	
Contact / Responsible Partner	Partner name, contact person, email:	

Table 1 Template Data Management Reporting Table

6.1 Step-by-step: filling each table field

1. **Data ID / Reference**
   - Format: WP#-T#-ShortName-v# (e.g., WP2-T2.1-SensorTrials-v1).
   - Must be unique inside your WP. If you revise a dataset, increment the version.
2. **Data Title**
   - 5–15 words; plain language (what/where/when).
   - Example: "Household energy sensor logs from LL-North, Jan–May 2024".
3. **Origin of Data**
   - Tick **Primary** (generated/collected in the project) or **Secondary** (re-used).
   - If Secondary, you must complete the "Source of Secondary Data" field (see #10).
4. **Data Collection Method**
   - Tick all that applies: Interviews, Surveys, Measurements, Demonstrations, Literature, Sensor data, Simulation/Modeling, Admin/Project records, Other (specify).
   - Add brief specifics (e.g., "BLE wearables at 1 Hz", "CATI survey, 30 items").
5. **Content / Data Type**
   - Tick: Text, Numeric, Audiovisual, Instrument-specific outputs, Software/code, Metadata only, Other.
   - Add a short inventory (e.g., "CSV (measurements), MP4 (camera), JSON (metadata)").
6. **Volume / Size**
   - Choose a range and add an estimate (e.g., "10–100 GB (approx. 28 GB uncompressed; 11 GB zipped)").
   - Mention compression if used.
7. **File Formats**
   - List **all** formats (e.g., CSV, XLSX, JSON, XML, DOCX, PDF, JPG/PNG/SVG, MP4/WAV).
   - Prefer **open, machine-readable** formats (CSV/JSON) alongside human-readable (PDF).
8. **Software Required**

Name software **and version/edition** (e.g., “Python ≥3.11 with pandas 2.x”, “ArcGIS Pro 3.2”). Note OS constraints and any **proprietary** tools.

9. **Generation / Collection Details**

Describe **who/where/when/how**: sampling frame, instruments, protocols, calibration, units, frequency, inclusion/exclusion, QA steps, and any preprocessing (cleaning, anonymization, derived variables).

10. **Source of Secondary Data (if used)**

Give full citation, DOI/URL, license (e.g., CC-BY 4.0), date accessed, and any use restrictions. Example: “Eurostat ‘Energy balance’ (DOI: …), license CC-BY 4.0, accessed 2024-05-18.”

11. **Purpose of the Data**

Link to WP objectives, Tasks, and Deliverables (IDs). Example: “Supports WP3-T3.2 algorithm validation; reported in D3.4; reused by WP5 impact assessment.”

12. **FAIR & Sharing**

- **DOI**: Provide the dataset’s DOI (Zenodo).
- **Link**: provide the URL of the datasets (if existing), or the name of the institution hosting the data and the contact details of the contact person for access requests.
- **Access level**: Open / Embargoed / Restricted / Confidential (consortium only).
    - If "Embargoed", indicate what license you intend to release the material under later.
    - If "Restricted" or "Confidential" provide an estimate of the retention period.
- **License**: CC-BY 4.0 recommended for data; MIT/Apache-2.0 for code unless obligations differ.
- **If Embargoed or Restricted**: give a **clear reason** and **embargo end date** (see Section 4).

13. **Ethical / Legal Considerations**

- State whether the dataset contains **personal data** (GDPR), **sensitive categories**, export-controlled items, or third-party IP.
- Note approvals (ethics board/protocol IDs), consent model, anonymization/pseudonymization, DPIA status, and Data Processing Agreements if any.

14. **Documentation / Accessibility**

Tick all that apply and **provide links**:

- **README file** (required for all open or shared datasets)
- **Website / online documentation** (e.g., docs site, demo)
- **Executable code / scripts** (e.g., notebooks, CLI, container, workflow)
- **API or service endpoint**
- If none exist, write “None” and explain why.

15. **Contact / Responsible Partner**

- Partner name, contact person, role, email.
- If a maintainer differs from the contact, list both.

6.2 Making data accessible

Following the Horizon Europe principles on Open access & Data management, stated in Annex 5, Article 17, TITAN adheres to the principle "as open as possible, as closed as necessary". Research data will be made openly accessibly where possible with an open license (for licenses see §2.2.4).

All public data shall be published in Zenodo, the data repository described in §2.2.1, which is openly available and can be accessed free of charge. Zenodo provides a citation and a DOI to each uploaded data or information item. In addition, data will be shared in an openly accessible format to stimulate data re-use.

The link to TITAN's Zenodo community can be found **here**.

Access to data can be restricted if of sensitive nature and raises ethical, IPR or privacy concerns. These data will be distributed only if it is deemed necessary, and via a data sharing agreement. The Joint Controller Agreement is an example of this. Determining the terms for sharing sensitive data lays within the discretion of the partner that is in control of the data, because in the end, they know best how sensitive data are.

The management of IPR and exploitation will, besides the principles that are already defined in the CA and GA, be discussed in the exploitation plans (D8.4, D8.5, D8.6).

6.3 If your data cannot be fully open

Select "Embargoed", "Restricted", or "Confidential" and include the reason and timeline. Examples you can paste:

- *Embargoed until 2026-03-31 to align with journal publisher policy for the associated article under review.*
- *Restricted due to GDPR: contains pseudonymized data with residual re-identification risk; access via DUA upon request to the PI.*
- *Confidential: third-party proprietary components under license; redistribution not permitted by vendor.*

Where possible, provide open derivatives (e.g., aggregated statistics, synthetic data, or code/notebooks that reproduce figures using a toy dataset).

7. Work Package Reporting

Below, from WP2 – WP7, each task reports on the generated and used data during the project, following the instructions given above. Use the table per data artefact to report under your task. WP1 management does not generate any data artifacts. WP8 and WP9 are about dissemination analytics and media artifacts; utility: outreach and uptake evidence deliverable to report.

7.1 WP2 — [Managing stakeholder transparency interests in digitalizing food supply chain networks]

T 2.1. Identifying and selection of primary and secondary stakeholder relationships and digital transparency potentials in food supply chain network structures

WP: 2	Task: 2.1	Partner name: Wageningen University
Field	**Description / Options**	**Answers**
Data ID / Reference	Unique identifier for the dataset (e.g., WP number, task, acronym).	WP2-T2.1
Data Title	Title or short description of the dataset.	• Semi-structured interviews with technology providers • Focus group discussions for stakeholder analysis
Origin of Data	Primary data (collected/generated within project) Secondary data (re-used from external sources)	Primary Data
Data Collection Method	Select one or more: Interviews Surveys Measurements Demonstrations Literature Sensor data Simulation / modeling Administrative / project records Other (specify)	• Semi-structured interviews • Focus group discussions
Content / Data Type	Text (notes, reports, transcripts) Numeric (tables, counts, measurements) Audiovisual (images, sound, video, presentations) Software / code Metadata only Other (specify)	• Text: transcripts • Audiovisual: video, images • Software: Atlas.ti
Volume / Size	Indicate approximate size: <100 MB 100 MB–1 GB 1–10 GB 10–100 GB	10–100 GB

	>100 GB (Specify if applicable)	
File Formats	Specify all formats used (e.g., DOCX, PDF, PPTX, CSV, XLSX, JSON, XML, JPEG, PNG, MP4, WAV, etc.).	• Transcripts: DOCX • Video: MP4 • Images: JPEG, PNG • Coding results: XLSX
Software Required	List software needed to access/use data (e.g., MS Office, R, Python, Matlab, GIS tools, proprietary lab software).	MS Office, Atlas.ti
Generation / Collection Details	Describe how the data was generated or collected (e.g., "Survey of 200 participants using online form," "Sensor logs from LL trials," "Simulation outputs from WP2 model").	• 21 semi-structured interviews were performed online • 14 focus group discussions were conducted in person
Source of Secondary Data (if used)	Provide details of external data (dataset title, source, DOI, license).	N/A
Purpose of Data	Describe intended use (e.g., project management, reporting, financial monitoring, scientific analysis, Living Lab coordination, dissemination, ethics compliance).	Reporting, scientific analysis, and dissemination.
FAIR & Sharing	Indicate: • DOI (e.g., via Zenodo, institutional repository): • Link/URL or location • Access level: Open Restricted Confidential (consortium only) • License applied (e.g., CC-BY, CC0, proprietary):	Access level: Confidential (partner only)
Ethical / Legal Considerations	Note if data includes: • Personal data (GDPR compliance) • Sensitive data (health, financial, etc.) • Ethical approvals required.	• Personal data (GDPR compliance; informed consent was provided by all respondents) • No Sensitive data (health, financial, etc.) • Ethical approvals granted by the WU Research Ethics Committee

Documentation / Accessibility	Indicate whether supporting materials exist: README file Website / online documentation Executable code / scripts API or service endpoint None (explain why)	• Executable code from Atlas.ti
Contact / Responsible Partner	Partner name, contact person, email:	Wageningen University Dr. Verena Otter (verena.otter@wur.nl)

T2.2 Evaluating stakeholders in the selected EU's FSC networks as a basis for developing norm strategies to deal with stakeholders' digital transparency claims

WP: 2	**Task: 2.2**	**Partner name:** Wageningen University
Field	**Description / Options**	**Answers**
Data ID / Reference	Unique identifier for the dataset (e.g., WP number, task, acronym).	WP2-T2.2
Data Title	Title or short description of the dataset.	Focus group discussion for stakeholder analysis (the same as for T2.1)
Origin of Data	Primary data (collected/generated within project) Secondary data (re-used from external sources)	Primary Data
Data Collection Method	Select one or more: Interviews Surveys Measurements Demonstrations Literature Sensor data Simulation / modeling Administrative / project records Other (specify)	Focus group discussion
Content / Data Type	Text (notes, reports, transcripts) Numeric (tables, counts, measurements) Audiovisual (images, sound, video, presentations) Software / code	• Text: transcripts; • Audiovisual: video, images; • Software: Atlas.ti

	Metadata only Other (specify)	
Volume / Size	Indicate approximate size: <100 MB 100 MB–1 GB 1–10 GB 10–100 GB >100 GB (Specify if applicable)	10–100 GB
File Formats	Specify all formats used (e.g., DOCX, PDF, PPTX, CSV, XLSX, JSON, XML, JPEG, PNG, MP4, WAV, etc.).	• Transcripts: DOCX • Video: MP4; • Images: JPEG, PNG • Coding results: XLSX
Software Required	List software needed to access/use data (e.g., MS Office, R, Python, Matlab, GIS tools, proprietary lab software).	MS Office, Atlas.ti
Generation / Collection Details	Describe how the data was generated or collected (e.g., "Survey of 200 participants using online form," "Sensor logs from LL trials," "Simulation outputs from WP2 model").	• 14 focus group discussions were conducted in person (the same as for T2.1). • Stakeholder evaluation factors were extracted by using Atlas.ti.
Source of Secondary Data (if used)	Provide details of external data (dataset title, source, DOI, license).	N/A
Purpose of Data	Describe intended use (e.g., project management, reporting, financial monitoring, scientific analysis, Living Lab coordination, dissemination, ethics compliance).	Reporting, scientific analysis, and dissemination.
FAIR & Sharing	Indicate: • DOI (e.g., via Zenodo, institutional repository): • Link/URL or location • Access level: Open Restricted Confidential (consortium only) • License applied (e.g., CC-BY, CC0, proprietary):	Access level: Confidential (partner only)
Ethical / Legal Considerations	Note if data includes: • Personal data (GDPR compliance)	• Personal data (GDPR compliance; informed

	• Sensitive data (health, financial, etc.) • Ethical approvals required.	consent was provided by all respondents) • No Sensitive data (health, financial, etc.) • Ethical approvals granted by the WU Research Ethics Committee
Documentation / Accessibility	Indicate whether supporting materials exist: README file Website / online documentation Executable code / scripts API or service endpoint None (explain why)	• Executable code from Atlas.ti
Contact / Responsible Partner	Partner name, contact person, email:	Wageningen University Dr. Verena Otter (verena.otter@wur.nl) Dr. Dengxiao Lang (dengxiao.lang@wur.nl)

7.2 WP3 — [Digital Technologies]

Among WP3 tasks, T3.1 - Requirements on digital technologies and methodologies for creating transparency in the food supply chain and associated cross-cutting technological challenges and T3.3 - Develop and evaluate approaches for overcoming cross-cutting challenges are highly interconnected due to the iterative nature of the research. Qualitative data collection for T3.1 is still an ongoing effort and also feeds into the completion of T3.3. Therefore, the dataset for these two tasks is the same, and its details are explained in one table. T3.2 - Create an inventory of state-of-the-art technologies and methodologies for opening data and transparency mainly relies on the literature, and it is covered in a separate table.

T3.1 & T3.3

WP: 3	Task: 3.1 & 3.3	Partner name: TUD
Field	**Description / Options**	**Answers**
Data ID / Reference	Unique identifier for the dataset (e.g., WP number, task, acronym).	WP3-T3.1&T3.3-v1
Data Title	Title or short description of the dataset.	Online interviews and focus groups with TITAN

		SMEs and external participants
Origin of Data	Primary data (collected/generated within project) Secondary data (re-used from external sources)	Primary data
Data Collection Method	Select one or more: Interviews Surveys Measurements Demonstrations Literature Sensor data Simulation / modeling Administrative / project records Other (specify)	Interviews, focus groups, and workshop material
Content / Data Type	Text (notes, reports, transcripts) Numeric (tables, counts, measurements) Audiovisual (images, sound, video, presentations) Software / code Metadata only Other (specify)	Text (transcripts) and audiovisual (video) (private, not to be shared) Pictures of workshops outputs (whiteboard)
Volume / Size	Indicate approximate size: <100 MB 100 MB–1 GB 1–10 GB 10–100 GB >100 GB (Specify if applicable)	1-10 GB
File Formats	Specify all formats used (e.g., DOCX, PDF, PPTX, CSV, XLSX, JSON, XML, JPEG, PNG, MP4, WAV, etc.).	avi/mp4 for recordings Docx/pdf for transcripts Png/bmp for pictures
Software Required	List software needed to access/use data (e.g., MS Office, R, Python, Matlab, GIS tools, proprietary lab software).	MS Teams, MS Office, Atlas.ti, Bizagi Modeler
Generation / Collection Details	Describe how the data was generated or collected (e.g., "Survey of 200 participants using online form," "Sensor logs from LL trials," "Simulation outputs from WP2 model").	Online interviews were organized in collaboration with WP2 and WP7, and separate interviews to deepen the focus on WP3 research questions. Focus groups were conducted online with TITAN SMEs, and in-person focus group discussions were held as part of the workshop

		organized in collaboration with WP7. Signed consent is collected before all data collection activities.
Source of Secondary Data (if used)	Provide details of external data (dataset title, source, DOI, license).	N/A
Purpose of Data	Describe intended use (e.g., project management, reporting, financial monitoring, scientific analysis, Living Lab coordination, dissemination, ethics compliance).	Project deliverables reporting (D3.1, D3.4, and D3.6) and scientific publications of the PhD candidate
FAIR & Sharing	Indicate: • DOI (e.g., via Zenodo, institutional repository): • Link/URL or location • Access level: Open Restricted Confidential (consortium only) • License applied (e.g., CC-BY, CC0, proprietary):	DOI: 10.5281/zenodo.17296318 Publication under preparation, the dataset contains: - Interview guides and Informed consent form templates It is made available in Zenodo with an open access level under CC-BY-SA license. (paper submission planned by Jan. 2026)
Ethical / Legal Considerations	Note if data includes: • Personal data (GDPR compliance) • Sensitive data (health, financial, etc.) • Ethical approvals required.	Ethics approval was obtained before data collection was performed. No personal data in the publicly shared dataset.
Documentation / Accessibility	Indicate whether supporting materials exist: README file Website / online documentation Executable code / scripts API or service endpoint None (explain why)	A readme file will be included in the dataset before paper submission.
Contact / Responsible Partner	Partner name, contact person, email:	Delft University of Technology, Esra Zorer, e.zorer@tudelft.nl

T3.2. Create an inventory of state-of-the-art technologies and methodologies for opening data and transparency

WP: 3	Task: 3.2	Partner name:

Field	Description / Options	Answers
Data ID / Reference	Unique identifier for the dataset (e.g., WP number, task, acronym).	WP3-T3.2-State-of-the-artTechnologies-v1)
Data Title	Title or short description of the dataset.	Literature review on state-of-the-art technologies and methodologies, Nov 2024
Origin of Data	Primary data (collected/generated within project) Secondary data (re-used from external sources)	Primary data
Data Collection Method	Select one or more: Interviews Surveys Measurements Demonstrations Literature Sensor data Simulation / modeling Administrative / project records Other (specify)	Literature
Content / Data Type	Text (notes, reports, transcripts) Numeric (tables, counts, measurements) Audiovisual (images, sound, video, presentations) Software / code Metadata only Other (specify)	Text (literature review)
Volume / Size	Indicate approximate size: <100 MB 100 MB–1 GB 1–10 GB 10–100 GB >100 GB (Specify if applicable)	1-10 GB
File Formats	Specify all formats used (e.g., DOCX, PDF, PPTX, CSV, XLSX, JSON, XML, JPEG, PNG, MP4, WAV, etc.).	PDF
Software Required	List software needed to access/use data (e.g., MS Office, R, Python, Matlab, GIS tools, proprietary lab software).	MS Office, Zotero, Rayyan
Generation / Collection Details	Describe how the data was generated or collected (e.g., “Survey of 200 participants using online form,” “Sensor logs from LL trials,” “Simulation outputs from WP2 model”).	Advanced search queries were searched on Scopus and Web of Science databases. The exact queries used can be found in the scientific publication:

		https://doi.org/10.1007/978-3-031-72234-9_36 Additional publications were identified through references from the publications appeared in the literature search. The publications were organized and screened in Zotero, Rayyan, and MS Office programs.
Source of Secondary Data (if used)	Provide details of external data (dataset title, source, DOI, license).	N/A
Purpose of Data	Describe intended use (e.g., project management, reporting, financial monitoring, scientific analysis, Living Lab coordination, dissemination, ethics compliance).	Creating an inventory of state-of-the-art technologies and methodologies that enable transparency in food supply chains. The results are shared as part of conference proceedings, and in D3.4 and M 3.7 of TITAN.
FAIR & Sharing	Indicate: • DOI (e.g., via Zenodo, institutional repository): • Link/URL or location • Access level: Open Restricted Confidential (consortium only) • License applied (e.g., CC-BY, CC0, proprietary):	DOI of the paper: https://doi.org/10.1007/978-3-031-72234-9_36 Literature review – no public data
Ethical / Legal Considerations	Note if data includes: • Personal data (GDPR compliance) • Sensitive data (health, financial, etc.) • Ethical approvals required.	N/A
Documentation / Accessibility	Indicate whether supporting materials exist: README file Website / online documentation Executable code / scripts API or service endpoint None (explain why)	N/A

Contact / Responsible Partner	Partner name, contact person, email:	Delft University of Technology, Esra Zorer, e.zorer@tudelft.nl

T3.4. Framework of ontologies enabling data interoperability along the supply chain

WP: 3	Task: 3.4	Partner name: INRAE
Field	Description / Options	Answers
Data ID / Reference	Unique identifier for the dataset (e.g., WP number, task, acronym).	T3.4 NSR-Food
Data Title	Title or short description of the dataset.	Network of Semantic Resources for the Food Supply Chain
Origin of Data	Primary data (collected/generated within project) Secondary data (re-used from external sources)	Compiled from online repositories
Data Collection Method	Select one or more: Interviews Surveys Measurements Demonstrations Literature Sensor data Simulation / modeling Administrative / project records Other (specify)	Online research, consultations with experts and users. This is not the final version of the document. It is currently under review and will be adjusted according to feedback.
Content / Data Type	Text (notes, reports, transcripts) Numeric (tables, counts, measurements) Audiovisual (images, sound, video, presentations) Software / code Metadata only Other (specify)	Text, internet links
Volume / Size	Indicate approximate size: <100 MB 100 MB–1 GB 1–10 GB 10–100 GB >100 GB (Specify if applicable)	919KB
File Formats	Specify all formats used (e.g., DOCX, PDF, PPTX, CSV, XLSX, JSON, XML, JPEG, PNG, MP4, WAV, etc.).	PDF
Software Required	List software needed to access/use data (e.g., MS Office, R, Python, Matlab, GIS tools, proprietary lab software).	PDF reader and the internet

Generation / Collection Details	Describe how the data was generated or collected (e.g., "Survey of 200 participants using online form," "Sensor logs from LL trials," "Simulation outputs from WP2 model").	Examination of resources, consultation with users and experts
Source of Secondary Data (if used)	Provide details of external data (dataset title, source, DOI, license).	https://agroportal.lirmm.fr/
Purpose of Data	Describe intended use (e.g., project management, reporting, financial monitoring, scientific analysis, Living Lab coordination, dissemination, ethics compliance).	Guide for locating semantic resources relevant to food supply chain actors
FAIR & Sharing	Indicate: • DOI (e.g., via Zenodo, institutional repository): • Link/URL or location • Access level: Open Restricted Confidential (consortium only) • License applied (e.g., CC-BY, CC0, proprietary):	Zenodo DOI: **10.5281/zenodo.17249682** Access level: Open
Ethical / Legal Considerations	Note if data includes: • Personal data (GDPR compliance) • Sensitive data (health, financial, etc.) • Ethical approvals required.	None
Documentation / Accessibility	Indicate whether supporting materials exist: README file Website / online documentation Executable code / scripts API or service endpoint None (explain why)	None
Contact / Responsible Partner	Partner name, contact person, email:	Bernadette Durand Bernadette.durand@inrae.fr

7.3 WP4 — [Pilots for Food Safety]

T4.1a Demonstration of traceability and authenticity in the olive supply chain

WP: 4	Task: 1a	USC / INL
Field	Description / Options	Answers

Data ID / Reference	Unique identifier for the dataset (e.g., WP number, task, acronym).	WP4 - T4.1. - Olive Oil - v1
Data Title	Title or short description of the dataset.	DNA sequences obtained from autochthonous olive samples
Origin of Data	Primary data (collected/generated within project) Secondary data (re-used from external sources)	Primary
Data Collection Method	Select one or more: Interviews Surveys Measurements Demonstrations Literature Sensor data Simulation / modeling Administrative / project records Other (specify)	Measurements
Content / Data Type	Text (notes, reports, transcripts) Numeric (tables, counts, measurements) Audiovisual (images, sound, video, presentations) Software / code Metadata only Other (specify)	Text (FASTA format)
Volume / Size	Indicate approximate size: <100 MB 100 MB–1 GB 1–10 GB 10–100 GB >100 GB (Specify if applicable)	<100MB
File Formats	Specify all formats used (e.g., DOCX, PDF, PPTX, CSV,	.gb / .gbk, .fasta / .fa

	XLSX, JSON, XML, JPEG, PNG, MP4, WAV, etc.).	
Software Required	List software needed to access/use data (e.g., MS Office, R, Python, Matlab, GIS tools, proprietary lab software).	MS Office
Generation / Collection Details	Describe how the data was generated or collected (e.g., "Survey of 200 participants using online form," "Sensor logs from LL trials," "Simulation outputs from WP2 model").	Olive tree samples were provided by industrial collaborators and identified based on morphological traits following the criteria of the International Olive Council (IOC). DNA was extracted, and one fragment each from the Lupeol synthase and Cycloartenol synthase genes was amplified and sequenced using the Sanger method. The resulting raw data was subsequently curated with Geneious Prime software.
Source of Secondary Data (if used)	Provide details of external data (dataset title, source, DOI, license).	NA
Purpose of Data	Describe intended use (e.g., project management, reporting, financial monitoring, scientific analysis, Living Lab coordination, dissemination, ethics compliance).	Scientific analysis of reference samples for specific method development
FAIR & Sharing	Indicate: • DOI (e.g., via Zenodo, institutional repository): • Link/URL or location • Access level: Open Restricted Confidential (consortium only)	Access level: Open https://www.ncbi.nlm.nih.gov/nuccore/PV067672 https://www.ncbi.nlm.nih.gov/nuccore/PV067673 https://www.ncbi.nlm.nih.gov/nuccore/PV089797 https://www.ncbi.nlm.nih.gov/nuccore/PV089798 https://www.ncbi.nlm.nih.gov/nuccore/PV089799 https://www.ncbi.nlm.nih.gov/nuccore/PV089800 https://www.ncbi.nlm.nih.gov/nuccore/PV089801 https://www.ncbi.nlm.nih.gov/nuccore/PV176823 https://www.ncbi.nlm.nih.gov/nuccore/PV176824 https://www.ncbi.nlm.nih.gov/nuccore/PV176825 https://www.ncbi.nlm.nih.gov/nuccore/PV176826

	• License applied (e.g., CC-BY, CC0, proprietary):	https://www.ncbi.nlm.nih.gov/nuccore/PV176827
Ethical / Legal Considerations	Note if data includes: • Personal data (GDPR compliance) • Sensitive data (health, financial, etc.) • Ethical approvals required.	None
Documentation / Accessibility	Indicate whether supporting materials exist: README file Website / online documentation Executable code / scripts API or service endpoint None (explain why)	https://www.ncbi.nlm.nih.gov/nuccore
Contact / Responsible Partner	Partner name, contact person, email:	USC and INL Marta Prado marta.prado@usc.es

T4.1b Development of a traceability system and food safety testing for the presence of undeclared food allergens

WP: 4	Task: T4.1b	USC / INL
Field	**Description / Options**	
Data ID / Reference	Unique identifier for the dataset (e.g., WP number, task, acronym).	WP4-T4.1-LabMeas-v1
Data Title	Title or short description of the dataset.	Laboratory measurements of food products for safety and authenticity analysis
Origin of Data	Primary data (collected/generated within project) Secondary data (re-used from external sources)	Primary
Data Collection Method	Select one or more: Interviews Surveys	Measurements

	Measurements Demonstrations Literature Sensor data Simulation / modeling Administrative / project records Other (specify)	Other: documentation, ingredient declaration of products.
Content / Data Type	Text (notes, reports, transcripts) Numeric (tables, counts, measurements) Audiovisual (images, sound, video, presentations) Software / code Metadata only Other (specify)	Numeric (analytical values), Text (metadata and protocols), PDF (reports)
Volume / Size	Indicate approximate size: <100 MB 100 MB–1 GB 1–10 GB 10–100 GB >100 GB (Specify if applicable)	1–10 GB (approx. 6 GB raw and processed files)
File Formats	Specify all formats used (e.g., DOCX, PDF, PPTX, CSV, XLSX, JSON, XML, JPEG, PNG, MP4, WAV, etc.).	CSV, XLSX, PDF, DOCX
Software Required	List software needed to access/use data (e.g., MS Office, R, Python, Matlab, GIS tools, proprietary lab software).	MS Office, R or Python
Generation / Collection Details	Describe how the data was generated or collected (e.g., "Survey of 200 participants using online form," "Sensor logs from LL trials," "Simulation outputs from WP2 model").	Samples collected from different production batches and analyzed for contaminants, pathogens, and chemical markers. Measurements taken with standardized lab equipment (HPLC, GC-MS). Metadata recorded in CSV/XLSX with QA logs
Source of Secondary Data (if used)	Provide details of external data (dataset title, source, DOI, license).	None
Purpose of Data	Describe intended use (e.g., project management, reporting, financial monitoring, scientific analysis, Living Lab coordination, dissemination, ethics compliance).	Supports WP4-T4.1 and Deliverable D4.2 for validation of risk models and authenticity verification.

FAIR & Sharing	Indicate: • DOI (e.g., via Zenodo, institutional repository): • Link/URL or location • Access level: Open Restricted Confidential (consortium only) • License applied (e.g., CC-BY, CC0, proprietary):	 DOI: not applicable Location: in partners' cloud storage. Access level: Confidential (Consortium only) License: Proprietary, NDA enforced
Ethical / Legal Considerations	Note if data includes: • Personal data (GDPR compliance) • Sensitive data (health, financial, etc.) • Ethical approvals required.	No personal data. Commercially sensitive data about origins of samples and suppliers. NDA enforced.
Documentation / Accessibility	Indicate whether supporting materials exist: README file Website / online documentation Executable code / scripts API or service endpoint None (explain why)	Documentation explaining the data and the analysis done.
Contact / Responsible Partner	Marta Prado : marta.prado@usc.es	USC and INL

T4.1c Microbiology of fermented food products, safety demonstration of food cultures

At the time of writing, several contributions from partners remain outstanding, which prevents full completion of this section. We expect these inputs to be available for the final deliverable, and the last version of the DMP will incorporate all remaining updates to ensure comprehensive coverage following the conclusion of the pilot.

T4.1d Omics and molecular approaches for microbial and chemical quality of long shelf-life food products

WP: 4	Task: T4.1d	Partner name: UCSC
Field	Description / Options	Answers
Data ID / Reference	Unique identifier for the dataset (e.g., WP number, task, acronym).	WP4-T4.1d_ONT reads
Data Title	Title or short description of the dataset.	Oxford Nanopore reads obtained through *tuf*-gene amplicon sequencing of a

		simple *Bacillus* spp. mock community, artificially contaminated plant-based products spiked with *Bacillus* spores and from DNA of 72 commercial plant-based products.
Origin of Data	Primary data (collected/generated within project) Secondary data (re-used from external sources)	Primary
Data Collection Method	Select one or more: Interviews Surveys Measurements Demonstrations Literature Sensor data Simulation / modeling Administrative / project records Other (specify)	Other: Experimental laboratory data collection
Content / Data Type	Text (notes, reports, transcripts) Numeric (tables, counts, measurements) Audiovisual (images, sound, video, presentations) Software / code Metadata only Other (specify)	Metadata files
Volume / Size	Indicate approximate size: <100 MB 100 MB–1 GB 1–10 GB 10–100 GB >100 GB (Specify if applicable)	10-100 GB (around 40GB)
File Formats	Specify all formats used (e.g., DOCX, PDF, PPTX, CSV, XLSX, JSON, XML, JPEG, PNG, MP4, WAV, etc.).	.FastQ
Software Required	List software needed to access/use data (e.g., MS Office, R, Python, Matlab, GIS tools, proprietary lab software).	• MinKNOW (v23.11.5) for ONT sequencing and reads generation, • Dorado (v0.5.3) for super accurate base-calling • Nanoplot (for quality reads),

		• Epi2meLabs (v5.1.10) (with customized options) for microbial identification, • Notepad to access reads, • R studio (ver. 1.4.1106) for data elaboration.
Generation / Collection Details	Describe how the data was generated or collected (e.g., "Survey of 200 participants using online form," "Sensor logs from LL trials," "Simulation outputs from WP2 model").	Data were generated through DNA sequencing using Oxford Nanopore Technologies (ONT) on a MinION device. Libraries were prepared following the Native Barcoding Kit 24 v14 protocol. Sequencing was carried out on MinION R10.4.1 flow cells. Signal acquisition and basecalling (Super Accuracy mode) were performed using ONT software (MinKNOW and Dorado), and reads were filtered based on quality and length. Taxonomic classification was performed using Minimap2 against custom-made BacTufDB database.
Source of Secondary Data (if used)	Provide details of external data (dataset title, source, DOI, license).	None
Purpose of Data	Describe intended use (e.g., project management, reporting, financial monitoring, scientific analysis, Living Lab coordination, dissemination, ethics compliance).	Scientific analysis
FAIR & Sharing	Indicate: • DOI (e.g., via Zenodo, institutional repository): • Link/URL or location • Access level: Open	DOI: not applicable Location: deposited in the NCBI Sequence Read Archive (SRA), under the

	Restricted Confidential (consortium only) • License applied (e.g., CC-BY, CC0, proprietary):	BioProject PRJNA1158730 (Biosamples: SAMN43546484 - SAMN43546573; SAMN47172496 - SAMN47172535; SAMN47177166 - SAMN47177271; SAMN47178037 - SAMN47178138). Access level: Restricted (data are private upon data publication in a peer-reviewed journal).
Ethical / Legal Considerations	Note if data includes: • Personal data (GDPR compliance) • Sensitive data (health, financial, etc.) • Ethical approvals required.	No personal data. No sensitive data. No ethical approvals required.
Documentation / Accessibility	Indicate whether supporting materials exist: README file Website / online documentation Executable code / scripts API or service endpoint None (explain why)	Supporting materials such as a README file, scripts, or APIs are not provided because all data analyses were conducted using standard and publicly available tools (e.g., Minimap2, R packages, ONT software).
Contact / Responsible Partner	Partner name, contact person, email:	Università Cattolica del Sacro Cuore, Prof.ssa Vania Patrone & Marta Bisaschi. Vania.patrone@unicatt.it Marta.bisaschi1@unicatt.it

T4.1e Real-time & intelligent data sharing for verification of honey and herbs suppliers

At the time of writing, several contributions from partners remain outstanding, which prevents full completion of this section. We expect these inputs to be available for the final deliverable, and the last version of the DMP will incorporate all remaining updates to ensure comprehensive coverage following the conclusion of the pilot.

7.4 WP5 — Pilots for Sustainability

T5.1a Developing a new traceability tool to help farmers to grow tomato more sustainably

WP: 5	**Task: 5.1a**	**Partner name: Agricolus**
Field	**Description / Options**	Fields: crop, crop use, soil management Crop details (variety, yield, ect.), Irrigation system details, Field details (soil texture, management types, slope etc.) Data from Weather forecast. Data from Satellite index Data from Smart scouting (pest and diseases, crop damage, phenology); Data from Crop operations, machinery. Production lots information Agriplug data
Data ID / Reference	Unique identifier for the dataset (e.g., WP number, task, acronym).	WP5#T5.1a
Data Title	Title or short description of the dataset.	Tomato agri data, 18 settembre 2025
Origin of Data	☐ Primary data (collected/generated within project) ☐ Secondary data (re-used from external sources)	Primary data (collected/generated within project)
Data Collection Method	Select one or more: ☐ Interviews ☐ Surveys ☐ Measurements ☐ Demonstrations ☐ Literature ☐ Sensor data ☐ Simulation / modeling	Survey – Measurements – sensor data

	☐ Administrative / project records ☐ Other (specify)	
Content / Data Type	☐ Text (notes, reports, transcripts) ☐ Numeric (tables, counts, measurements) ☐ Audiovisual (images, sound, video, presentations) ☐ Software / code ☐ Metadata only ☐ Other (specify)	Text (agricultural attributes); Numeric (specific domain values of agricultural attributes)
Volume / Size	Indicate approximate size: ☐ <100 MB ☐ 100 MB–1 GB ☐ 1–10 GB ☐ 10–100 GB ☐ >100 GB (Specify if applicable)	<100 MB
File Formats	Specify all formats used (e.g., DOCX, PDF, PPTX, CSV, XLSX, JSON, XML, JPEG, PNG, MP4, WAV, etc.).	Xlsx
Software Required	List software needed to access/use data (e.g., MS Office, R, Python, Matlab, GIS tools, proprietary lab software).	Ms Office
Generation / Collection Details	Describe how the data was generated or collected (e.g., "Survey of 200 participants using online form," "Sensor logs from LL trials," "Simulation outputs from WP2 model").	4 farmer/agronomist have used Agricolus web platform to collect data and data collected through Agriplug Hardware
Source of Secondary Data (if used)	Provide details of external data (dataset title, source, DOI, license).	For Phytosanitary product (Fitogest) Italian recognized database https://fitogest.imagelinenetwork.com/it/banca-dati-e-portale/
Purpose of Data	Describe intended use (e.g., project management, reporting, financial monitoring, scientific analysis, Living Lab coordination, dissemination, ethics compliance).	Internal Test of lot features

FAIR & Sharing	Indicate: • DOI (e.g., via Zenodo, institutional repository): • Link/URL or location • Access level: ☐ Open ☐ Restricted ☐ Confidential (consortium only) • License applied (e.g., CC-BY, CC0, proprietary):	DOI (e.g., via Zenodo, institutional repository): N/A • Link/URL or location: send my mail -company repository • Access level: Confidential (consortium only) • License applied (e.g., CC-BY, CC0, proprietary): proprietary
Ethical / Legal Considerations	Note if data includes: • Personal data (GDPR compliance) • Sensitive data (health, financial, etc.) • Ethical approvals required.	N/A
Documentation / Accessibility	Indicate whether supporting materials exist: ☐ README file ☐ Website / online documentation ☐ Executable code / scripts ☐ API or service endpoint ☐ None (explain why)	README file
Contact / Responsible Partner	Partner name, contact person, email:	Agricolus, Sofia Maria Lilli, sm.lilli@agricolus.com

T5.1b Developing a new traceability tool to help farmers to grow rice more sustainably

WP: 5	**Task: 5.1b**	**Partner name:** Agricolus
Field	**Description / Options**	Fields: crop, crop use, soil management Crop details (variety, yield, ect.), Irrigation system details, Field details (soil

		texture, management types, slope etc.) Data from Weather forecast. Data from Satellite index Data from Smart scouting (pest and diseases, crop damage, phenology); Data from Crop operations, machinery. Production lots information Agriplug data
Data ID / Reference	Unique identifier for the dataset (e.g., WP number, task, acronym).	WP5#T5.1b
Data Title	Title or short description of the dataset.	Rice agri data, 18 settembre 2025
Origin of Data	☐ Primary data (collected/generated within project) ☐ Secondary data (re-used from external sources)	Primary data (collected/generated within project)
Data Collection Method	Select one or more: ☐ Interviews ☐ Surveys ☐ Measurements ☐ Demonstrations ☐ Literature ☐ Sensor data ☐ Simulation / modeling ☐ Administrative / project records ☐ Other (specify)	Survey – Measurements – sensor data
Content / Data Type	☐ Text (notes, reports, transcripts) ☐ Numeric (tables, counts, measurements) ☐ Audiovisual (images, sound, video, presentations) ☐ Software / code	Text (agricultural attributes); Numeric (specific domain values of agricultural attributes)

	☐ Metadata only ☐ Other (specify)	
Volume / Size	Indicate approximate size: ☐ <100 MB ☐ 100 MB–1 GB ☐ 1–10 GB ☐ 10–100 GB ☐ >100 GB (Specify if applicable)	<100 MB
File Formats	Specify all formats used (e.g., DOCX, PDF, PPTX, CSV, XLSX, JSON, XML, JPEG, PNG, MP4, WAV, etc.).	Xlsx
Software Required	List software needed to access/use data (e.g., MS Office, R, Python, Matlab, GIS tools, proprietary lab software).	Ms Office
Generation / Collection Details	Describe how the data was generated or collected (e.g., "Survey of 200 participants using online form," "Sensor logs from LL trials," "Simulation outputs from WP2 model").	4 farmer/agronomist have used Agricolus web platform to collect data and data collected through Agriplug Hardware
Source of Secondary Data (if used)	Provide details of external data (dataset title, source, DOI, license).	For Phytosanitary product (Fitogest) Italian recognized database https://fitogest.imagelinenetwork.com/it/banca-dati-e-portale/
Purpose of Data	Describe intended use (e.g., project management, reporting, financial monitoring, scientific analysis, Living Lab coordination, dissemination, ethics compliance).	Internal Test of lot features
FAIR & Sharing	Indicate: • DOI (e.g., via Zenodo, institutional repository): • Link/URL or location • Access level: ☐ Open ☐ Restricted	DOI (e.g., via Zenodo, institutional repository): N/A • Link/URL or location : send my mail -company repository • Access level: Confidential (consortium only) X

	☐ Confidential (consortium only) • License applied (e.g., CC-BY, CC0, proprietary):	• License applied (e.g., CC-BY, CC0, proprietary): proprietary
Ethical / Legal Considerations	Note if data includes: • Personal data (GDPR compliance) • Sensitive data (health, financial, etc.) • Ethical approvals required.	N/A
Documentation / Accessibility	Indicate whether supporting materials exist: ☐ README file ☐ Website / online documentation ☐ Executable code / scripts ☐ API or service endpoint ☐ None (explain why)	README file
Contact / Responsible Partner	Partner name, contact person, email:	Agricolus, Sofia Maria Lilli, sm.lilli@agricolus.com

T5.1c Development of a common language for growers and purchasers of fruits and vegetables

WP: 5	Task: T5.1c	Partner name: CONSENTIO
Field	Description / Options	Answers
Data ID / Reference	Unique identifier for the dataset (e.g., WP number, task, acronym).	WP2-T2.1-Consentio-v1
Data Title	Title or short description of the dataset.	Fruits & vegetables suppliers and buyers commerce log between March and August 2025.
Origin of Data	Primary data (collected/generated within project)	Platform activity log
Data Collection Method	Select one or more: Measurements	Platform user activity
Content / Data Type	Numeric (tables, counts, measurements)	CSV
Volume / Size	Indicate approximate size: 100 MB–1 GB	No compression

File Formats	CSV, XLSX, JSON	CSV preferred
Software Required	MS Office / Excel	
Generation / Collection Details	Describe how the data was generated or collected	Activity KPIs gathered in a CSV file for post analysis. No need to run postprocessing to clean data.
Source of Secondary Data (if used)	Provide details of external data.	No secondary source used
Purpose of Data	Describe intended use (e.g., project management, reporting, financial monitoring, scientific analysis, Living Lab coordination, dissemination, ethics compliance).	To analyze the impact of the freshness indicator used within a common language descriptor on the buying activity.
FAIR & Sharing	Indicate: • DOI (e.g., via Zenodo, institutional repository): • Link/URL or location • Access level: Open Restricted Confidential (consortium only) • License applied (e.g., CC-BY, CC0, proprietary):	Not applicable here
Ethical / Legal Considerations	Note if data includes: • Personal data (GDPR compliance) • Sensitive data (health, financial, etc.) • Ethical approvals required.	No Ethical and/or Legal consideration of the extracted data. They are anonymized and not specific to any organization.
Documentation / Accessibility	Indicate whether supporting materials exist: README file	Under construction during second phase of the 12-month pilot.
Contact / Responsible Partner	Partner name, contact person, email:	Vincent Rosso vincent@consentio.co

T5.1d Setting up the supply chain for carbon certificates in almond production

No datasets have been produced for this pilot as a complete supply chain has not yet been implemented.

T5.1d Farm-level Inputs & Outputs (multi-crop)

WP: 5	**Task:** T5.1d	**Partner name:** AgriMarketplace
Field	**Description / Options**	**Answers**
Data ID / Reference	Unique identifier for the dataset (e.g., WP number, task, acronym).	WP5-T5.1d-FarmIO-v1
Data Title	Title or short description of the dataset.	Multi-crop farm input & output dataset for the Carbon Calculator (incl. pilot almond farm)
Origin of Data	Primary data (collected/generated within project) Secondary data (re-used from external sources)	Primary + Secondary
Data Collection Method	Select one or more: Interviews Surveys Measurements Demonstrations Literature Sensor data Simulation / modeling Administrative / project records Other (specify)	Measurements & administrative records (inputs, operations, yields, energy, irrigation); Literature (emission factors)
Content / Data Type	Text (notes, reports, transcripts) Numeric (tables, counts, measurements) Audiovisual (images, sound, video, presentations) Software / code Metadata only Other (specify)	Numeric (CO_2e factors, activities, yields), JSON (model params), Text (protocols/metadata)
Volume / Size	Indicate approximate size: <100 MB	1–10 GB

	100 MB–1 GB 1–10 GB 10–100 GB >100 GB (Specify if applicable)	
File Formats	Specify all formats used (e.g., DOCX, PDF, PPTX, CSV, XLSX, JSON, XML, JPEG, PNG, MP4, WAV, etc.).	CSV, XLSX, JSON, PDF, DOCX
Software Required	List software needed to access/use data (e.g., MS Office, R, Python, Matlab, GIS tools, proprietary lab software).	Excel, Python ≥3.11
Generation / Collection Details	Describe how the data was generated or collected (e.g., "Survey of 200 participants using online form," "Sensor logs from LL trials," "Simulation outputs from WP2 model").	Collected via AgriMarketplace across participating farms; almond pilot (PrimeAlmonds) used for validation; emission factors from IPCC 2019; LCI as available (e.g., ecoinvent).
Source of Secondary Data (if used)	Provide details of external data (dataset title, source, DOI, license).	IPCC 2019; FAOSTAT/Eurostat; ecoinvent (restricted)
Purpose of Data	Describe intended use (e.g., project management, reporting, financial monitoring, scientific analysis, Living Lab coordination, dissemination, ethics compliance).	Core input to the Carbon Calculator; supports analyses and crediting.
FAIR & Sharing	Indicate: • DOI (e.g., via Zenodo, institutional repository): • Link/URL or location • Access level: Open Restricted Confidential (consortium only)	**Aggregated Open** (Zenodo, CC-BY); **Raw farm-level Restricted/Confidential** (NDA).

	• License applied (e.g., CC-BY, CC0, proprietary):	
Ethical / Legal Considerations	Note if data includes: • Personal data (GDPR compliance) • Sensitive data (health, financial, etc.) • Ethical approvals required.	Commercially sensitive farm-level data; NDA; geo-privacy.
Documentation / Accessibility	Indicate whether supporting materials exist: README file Website / online documentation Executable code / scripts API or service endpoint None (explain why)	README, data dictionary, methodology document.
Contact / Responsible Partner	Partner name, contact person, email:	Tiago Pessoa (tpessoa@agrimp.com)

T5.1d Soil Samples & Lab Analyses (multi-crop; almond pilot included)

WP: 5	**Task: T5.1d**	**Partner name:** AgriMarketplace
Field	**Description / Options**	**Answers**
Data ID / Reference	Unique identifier for the dataset (e.g., WP number, task, acronym).	WP5-T5.1d-SoilSamples-v1
Data Title	Title or short description of the dataset.	Soil samples and laboratory analyses for SOC/bulk density (multi-crop; includes almond pilot plots)
Origin of Data	Primary data (collected/generated within project) Secondary data (re-used from external sources)	Primary
Data Collection Method	Select one or more: Interviews Surveys	Measurements (soil sampling per protocol); accredited lab analyses

	Measurements Demonstrations Literature Sensor data Simulation / modeling Administrative / project records Other (specify)	
Content / Data Type	Text (notes, reports, transcripts) Numeric (tables, counts, measurements) Audiovisual (images, sound, video, presentations) Software / code Metadata only Other (specify)	Numeric (SOC, N, pH, bulk density, texture), PDF (lab reports), Text (metadata)
Volume / Size	Indicate approximate size: <100 MB 100 MB–1 GB 1–10 GB 10–100 GB >100 GB (Specify if applicable)	100 MB–1 GB
File Formats	Specify all formats used (e.g., DOCX, PDF, PPTX, CSV, XLSX, JSON, XML, JPEG, PNG, MP4, WAV, etc.).	CSV, XLSX, PDF, DOCX
Software Required	List software needed to access/use data (e.g., MS Office, R, Python, Matlab, GIS tools, proprietary lab software).	Excel; R/Python
Generation / Collection Details	Describe how the data was generated or collected (e.g., "Survey of 200 participants using online form," "Sensor logs from LL trials," "Simulation outputs from WP2 model").	Field sampling (e.g., 0–30 cm composite samples per plot), QA/QC; lab methods per standard; almond pilot among sampled sites.
Source of Secondary Data (if used)	Provide details of external data (dataset title, source, DOI, license).	N/A

Purpose of Data	Describe intended use (e.g., project management, reporting, financial monitoring, scientific analysis, Living Lab coordination, dissemination, ethics compliance).	Calibration/validation of sequestration modules; supports MRV.
FAIR & Sharing	Indicate: • DOI (e.g., via Zenodo, institutional repository): • Link/URL or location • Access level: Open Restricted Confidential (consortium only) • License applied (e.g., CC-BY, CC0, proprietary):	**Aggregated Open** (Zenodo, CC-BY); **Raw geo-located Restricted** (NDA).
Ethical / Legal Considerations	Note if data includes: • Personal data (GDPR compliance) • Sensitive data (health, financial, etc.) • Ethical approvals required.	No personal data; protect precise locations.
Documentation / Accessibility	Indicate whether supporting materials exist: README file Website / online documentation Executable code / scripts API or service endpoint None (explain why)	Sampling protocol, lab methods, README.
Contact / Responsible Partner	Partner name, contact person, email:	Tiago Pessoa (tpessoa@agrimp.com)

T5.1d Farm Practices Survey (multi-crop)

WP: 5	**Task: T5.1d**	**Partner name:** AgriMarketplace
Field	**Description / Options**	**Answers**

Data ID / Reference	Unique identifier for the dataset (e.g., WP number, task, acronym).	WP5-T5.1d-FarmPracticesSurvey-v1
Data Title	Title or short description of the dataset.	Farm management practices survey (multi-crop; includes almond pilot farms)
Origin of Data	Primary data (collected/generated within project) Secondary data (re-used from external sources)	Primary
Data Collection Method	Select one or more: Interviews Surveys Measurements Demonstrations Literature Sensor data Simulation / modeling Administrative / project records Other (specify)	Surveys/questionnaires (digital/phone)
Content / Data Type	Text (notes, reports, transcripts) Numeric (tables, counts, measurements) Audiovisual (images, sound, video, presentations) Software / code Metadata only Other (specify)	Numeric & Text responses; PDF (survey instrument)
Volume / Size	Indicate approximate size: <100 MB 100 MB–1 GB 1–10 GB 10–100 GB >100 GB (Specify if applicable)	<100 MB

File Formats	Specify all formats used (e.g., DOCX, PDF, PPTX, CSV, XLSX, JSON, XML, JPEG, PNG, MP4, WAV, etc.).	XLSX, CSV, PDF
Software Required	List software needed to access/use data (e.g., MS Office, R, Python, Matlab, GIS tools, proprietary lab software).	Excel
Generation / Collection Details	Describe how the data was generated or collected (e.g., "Survey of 200 participants using online form," "Sensor logs from LL trials," "Simulation outputs from WP2 model").	Survey on fertilisation, irrigation, energy use, tillage/cover crops; supports model parameters.
Source of Secondary Data (if used)	Provide details of external data (dataset title, source, DOI, license).	N/A
Purpose of Data	Describe intended use (e.g., project management, reporting, financial monitoring, scientific analysis, Living Lab coordination, dissemination, ethics compliance).	Fill data gaps for calculator inputs; triangulation with records.
FAIR & Sharing	Indicate: • DOI (e.g., via Zenodo, institutional repository): • Link/URL or location • Access level: Open Restricted Confidential (consortium only) • License applied (e.g., CC-BY, CC0, proprietary):	Aggregated Open (CC-BY); Raw Restricted (NDA; anonymised).
Ethical / Legal Considerations	Note if data includes: • Personal data (GDPR compliance) • Sensitive data (health, financial, etc.) • Ethical approvals required.	If any personal data arose, anonymised; otherwise, commercial sensitivity applies
Documentation / Accessibility	Indicate whether supporting materials exist:	Survey template; README.

	README file Website / online documentation Executable code / scripts API or service endpoint None (explain why)	
Contact / Responsible Partner	Partner name, contact person, email:	Tiago Pessoa (tpessoa@agrimp.com)

T5.1e Improving the transparency in the Vietnamese shrimp supply chain by implementing digital traceability

At the time of writing, several contributions from partners remain outstanding, which prevents full completion of this section. We expect these inputs to be available for the final deliverable, and the last version of the DMP will incorporate all remaining updates to ensure comprehensive coverage following the conclusion of the pilot.

T5.1f Development of a fully automated inventory system for the hospitality sector

WP: 5	Task: T5.1f	Partner name: TotalCtrl
Field	Description / Options	Answers
Data ID / Reference	Unique identifier for the dataset (e.g., WP number, task, acronym).	WP5-T5.1f-UserTesting-v1
Data Title	Title or short description of the dataset.	Usability testing transcripts and notes from hospitality inventory pilot
Origin of Data	Primary data (collected/generated within project) Secondary data (re-used from external sources)	Primary
Data Collection Method	Select one or more: Interviews Surveys Measurements Demonstrations Literature Sensor data Simulation / modeling Administrative / project records Other (specify)	Interviews, Demonstrations
Content / Data Type	Text (notes, reports, transcripts) Numeric (tables, counts, measurements)	Text (notes, transcripts), Audiovisual (Images, video recordings, presentations)

	Audiovisual (images, sound, video, presentations) Software / code Metadata only Other (specify)	
Volume / Size	Indicate approximate size: <100 MB 100 MB–1 GB 1–10 GB 10–100 GB >100 GB (Specify if applicable)	100 MB–1 GB
File Formats	Specify all formats used (e.g., DOCX, PDF, PPTX, CSV, XLSX, JSON, XML, JPEG, PNG, MP4, WAV, etc.).	DOCX, PDF, MP4, PPTX, PNG
Software Required	List software needed to access/use data (e.g., MS Office, R, Python, Matlab, GIS tools, proprietary lab software).	MS Office, standard video player
Generation / Collection Details	Describe how the data was generated or collected (e.g., "Survey of 200 participants using online form," "Sensor logs from LL trials," "Simulation outputs from WP2 model").	Generated through structured usability tests and interviews (M24–M28) with 4 pilot hospitality partners in Norway and Portugal; anonymized transcripts and recordings stored securely
Source of Secondary Data (if used)	Provide details of external data (dataset title, source, DOI, license).	None
Purpose of Data	Describe intended use (e.g., project management, reporting, financial monitoring, scientific analysis, Living Lab coordination, dissemination, ethics compliance).	Validate UX/UI design, support iteration of inventory solution, inform Deliverable D5.3
FAIR & Sharing	Indicate: • DOI (e.g., via Zenodo, institutional repository): • Link/URL or location • Access level: Open Restricted Confidential (consortium only) • License applied (e.g., CC-BY, CC0, proprietary):	DOI: [to be deposited in Zenodo]. Access level: Restricted (due to GDPR). License: CC-BY-NC 4.0 for anonymized transcripts; raw video under consortium-only
Ethical / Legal Considerations	Note if data includes: • Personal data (GDPR compliance) • Sensitive data (health, financial, etc.)	Contains personal data (voices, opinions); GDPR safeguards applied;

	• Ethical approvals required.	informed consent obtained; anonymization applied to transcripts
Documentation / Accessibility	Indicate whether supporting materials exist: README file Website / online documentation Executable code / scripts API or service endpoint None (explain why)	README file, consent form templates, interview protocols
Contact / Responsible Partner	Partner name, contact person, email:	TotalCtrl, Charlotte@TotalCtrl.com

WP: 5	**Task: T5.1f**	**Partner name:** TotalCtrl
Field	**Description / Options**	**Answers**
Data ID / Reference	Unique identifier for the dataset (e.g., WP number, task, acronym).	WP5-T5.1f-PrototypeLogs-Raw-v1
Data Title	Title or short description of the dataset.	Raw interaction logs from clickable prototype of automated hospitality inventory system (with user identifiers)
Origin of Data	Primary data (collected/generated within project) Secondary data (re-used from external sources)	Primary
Data Collection Method	Select one or more: Interviews Surveys Measurements Demonstrations Literature Sensor data Simulation / modeling Administrative / project records Other (specify)	Sensor data (clickstream), Demonstrations
Content / Data Type	Text (notes, reports, transcripts) Numeric (tables, counts, measurements) Audiovisual (images, sound, video, presentations) Software / code Metadata only Other (specify)	Numeric (timestamps, clicks, flows), Text (error logs), Personal data (names/emails of participants)
Volume / Size	Indicate approximate size:	100 MB–1 GB

	<100 MB 100 MB–1 GB 1–10 GB 10–100 GB >100 GB (Specify if applicable)	
File Formats	Specify all formats used (e.g., DOCX, PDF, PPTX, CSV, XLSX, JSON, XML, JPEG, PNG, MP4, WAV, etc.).	CSV, JSON
Software Required	List software needed to access/use data (e.g., MS Office, R, Python, Matlab, GIS tools, proprietary lab software).	Excel, Python, JSON reader
Generation / Collection Details	Describe how the data was generated or collected (e.g., "Survey of 200 participants using online form," "Sensor logs from LL trials," "Simulation outputs from WP2 model").	Collected automatically during prototype testing sessions with 8 participants (M26–M29); includes user IDs, names, and emails linked to logs
Source of Secondary Data (if used)	Provide details of external data (dataset title, source, DOI, license).	None
Purpose of Data	Describe intended use (e.g., project management, reporting, financial monitoring, scientific analysis, Living Lab coordination, dissemination, ethics compliance).	Internal validation of usability metrics and linking logs to pilot participants
FAIR & Sharing	Indicate: • DOI (e.g., via Zenodo, institutional repository): • Link/URL or location • Access level: Open Restricted Confidential (consortium only) • License applied (e.g., CC-BY, CC0, proprietary):	DOI: not applicable (raw dataset not deposited). Access level: Confidential (consortium only). License: Proprietary.
Ethical / Legal Considerations	Note if data includes: • Personal data (GDPR compliance) • Sensitive data (health, financial, etc.) • Ethical approvals required.	Contains personal data (names/emails); GDPR safeguards applied; informed consent obtained; raw dataset stored securely with restricted access.
Documentation / Accessibility	Indicate whether supporting materials exist: README file Website / online documentation Executable code / scripts	README file, consent forms, secure storage protocols.

	API or service endpoint None (explain why)	
Contact / Responsible Partner	Partner name, contact person, email:	TotalCtrl, Charlotte@TotalCtrl.com

WP: 5	Task: T5.1f	Partner name: TotalCtrl
Field	Description / Options	Answers
Data ID / Reference	Unique identifier for the dataset (e.g., WP number, task, acronym).	WP5-T5.1f-PrototypeLogs-Anon-v1
Data Title	Title or short description of the dataset.	Anonymized interaction logs from clickable prototype of an automated hospitality inventory system.
Origin of Data	Primary data (collected/generated within project) Secondary data (re-used from external sources)	Primary
Data Collection Method	Select one or more: Interviews Surveys Measurements Demonstrations Literature Sensor data Simulation / modeling Administrative / project records Other (specify)	Sensor data (clickstream), Demonstrations
Content / Data Type	Text (notes, reports, transcripts) Numeric (tables, counts, measurements) Audiovisual (images, sound, video, presentations) Software / code Metadata only Other (specify)	Numeric (timestamps, clicks, flows), Text (error logs) — anonymized (user IDs only).
Volume / Size	Indicate approximate size: <100 MB 100 MB–1 GB 1–10 GB 10–100 GB >100 GB (Specify if applicable)	100 MB–1 GB

File Formats	Specify all formats used (e.g., DOCX, PDF, PPTX, CSV, XLSX, JSON, XML, JPEG, PNG, MP4, WAV, etc.).	CSV, JSON
Software Required	List software needed to access/use data (e.g., MS Office, R, Python, Matlab, GIS tools, proprietary lab software).	Excel, Python, JSON reader
Generation / Collection Details	Describe how the data was generated or collected (e.g., "Survey of 200 participants using online form," "Sensor logs from LL trials," "Simulation outputs from WP2 model").	Collected automatically during prototype testing sessions (M26–M29); all personal identifiers removed and replaced with random IDs.
Source of Secondary Data (if used)	Provide details of external data (dataset title, source, DOI, license).	None
Purpose of Data	Describe intended use (e.g., project management, reporting, financial monitoring, scientific analysis, Living Lab coordination, dissemination, ethics compliance).	Measure usability metrics, identify workflow bottlenecks, support Deliverable D5.3 and scientific publications.
FAIR & Sharing	Indicate: • DOI (e.g., via Zenodo, institutional repository): • Link/URL or location • Access level: Open Restricted Confidential (consortium only) • License applied (e.g., CC-BY, CC0, proprietary):	DOI: [to be deposited in Zenodo]. Access level: Open. License: CC-BY 4.0
Ethical / Legal Considerations	Note if data includes: • Personal data (GDPR compliance) • Sensitive data (health, financial, etc.) • Ethical approvals required.	No personal data; dataset fully anonymized; compliant with GDPR
Documentation / Accessibility	Indicate whether supporting materials exist: README file Website / online documentation Executable code / scripts API or service endpoint None (explain why)	README file, anonymization process documentation, JSON schema.
Contact / Responsible Partner	Partner name, contact person, email:	TotalCtrl, Charlotte@TotalCtrl.com

7.5 WP6 — [Pilots for Health]

T6.1a Pilot on simple affordable blockchain traceability systems for agrifood SMEs

At the time of writing, several contributions from partners remain outstanding, which prevents full completion of this section. We expect these inputs to be available for the final deliverable, and the last version of the DMP will incorporate all remaining updates to ensure comprehensive coverage following the conclusion of the pilot.

T6.1b Pilot on using special anti-counterfeiting QR-codes that use steganography and cryptography

At the time of writing, several contributions from partners remain outstanding, which prevents full completion of this section. We expect these inputs to be available for the final deliverable, and the last version of the DMP will incorporate all remaining updates to ensure comprehensive coverage following the conclusion of the pilot.

T6.1c Healthy nutritional habits for kids.

WP: 6	Task: T6.1c	AZTI
Field	Description / Options	Answers
Data ID / Reference	Unique identifier for the dataset (e.g., WP number, task, acronym).	WP6-T6.1 +c-FactsDB
Data Title	Title or short description of the dataset.	Database of contents related with health,food, and sustainable food to feed the chatbot.
Origin of Data	Primary data (collected/generated within project) Secondary data (re-used from external sources)	Primary
Data Collection Method	Select one or more: Interviews Surveys Measurements Demonstrations Literature Sensor data Simulation / modeling Administrative / project records Other (specify)	Literature
Content / Data Type	Text (notes, reports, transcripts) Numeric (tables, counts, measurements) Audiovisual (images, sound, video, presentations) Software / code Metadata only	Text, images of food, Numeric (Excel files with survey results)

	Other (specify)	
Volume / Size	Indicate approximate size: <100 MB 100 MB–1 GB 1–10 GB 10–100 GB >100 GB (Specify if applicable)	1–10 GB
File Formats	Specify all formats used (e.g., DOCX, PDF, PPTX, CSV, XLSX, JSON, XML, JPEG, PNG, MP4, WAV, etc.).	MysSQL database containing text and routes to JPEG/PNG images. XLSX
Software Required	List software needed to access/use data (e.g., MS Office, R, Python, Matlab, GIS tools, proprietary lab software).	SQL database Client
Generation / Collection Details	Describe how the data was generated or collected (e.g., "Survey of 200 participants using online form," "Sensor logs from LL trials," "Simulation outputs from WP2 model").	Generated by partners: Data specifically designed by experts in nutrition and kids behaviour.
Source of Secondary Data (if used)	Provide details of external data (dataset title, source, DOI, license).	None
Purpose of Data	Describe intended use (e.g., project management, reporting, financial monitoring, scientific analysis, Living Lab coordination, dissemination, ethics compliance).	It's the source of data for the chatbot developed
FAIR & Sharing	Indicate: • DOI (e.g., via Zenodo, institutional repository): • Link/URL or location • Access level: Open Restricted Confidential (consortium only) • License applied (e.g., CC-BY, CC0, proprietary):	DOI: not applicable Location: in partners preliminar server. Access level: Confidential (Consortium only)
Ethical / Legal Considerations	Note if data includes: • Personal data (GDPR compliance) • Sensitive data (health, financial, etc.) • Ethical approvals required.	No personal data. Commercially sensitive.
Documentation / Accessibility	Indicate whether supporting materials exist: README file Website / online documentation	Excel files generated by the partners in the process of creation of the database.

	Executable code / scripts API or service endpoint None (explain why)	Descriptions of the tables in the database.
Contact / Responsible Partner	Partner name, contact person, email:	AITALENTUM; AZTI, UW; UH

T6.1d Impact at looking at food through a single health and sustainability lens -the Sus-Health index

At the time of writing, several contributions from partners remain outstanding, which prevents full completion of this section. We expect these inputs to be available for the final deliverable, and the last version of the DMP will incorporate all remaining updates to ensure comprehensive coverage following the conclusion of the pilot.

7.6 WP7 — [Enabling policy solutions for transparent food supply chains]

T7.1 Assessment of visions for transparency in the food system

WP: 7	Task: 7.1	Partner name: CU
Field	Description / Options	Answers
Data ID / Reference	Unique identifier for the dataset (e.g., WP number, task, acronym).	T7.1
Data Title	Title or short description of the dataset.	Review of transparency definition in EC policy
Origin of Data	Primary data (collected/generated within project) Secondary data (re-used from external sources)	Secondary data
Data Collection Method	Select one or more: Interviews Surveys Measurements Demonstrations Literature Sensor data Simulation / modeling Administrative / project records Other (specify)	Literature
Content / Data Type	Text (notes, reports, transcripts) Numeric (tables, counts, measurements) Audiovisual (images, sound, video, presentations) Software / code Metadata only Other (specify)	Text (notes)

Volume / Size	Indicate approximate size: <100 MB 100 MB–1 GB 1–10 GB 10–100 GB >100 GB (Specify if applicable)	<100 MB
File Formats	Specify all formats used (e.g., DOCX, PDF, PPTX, CSV, XLSX, JSON, XML, JPEG, PNG, MP4, WAV, etc.).	DOCX, XLSX
Software Required	List software needed to access/use data (e.g., MS Office, R, Python, Matlab, GIS tools, proprietary lab software).	MS Office
Generation / Collection Details	Describe how the data was generated or collected (e.g., "Survey of 200 participants using online form," "Sensor logs from LL trials," "Simulation outputs from WP2 model").	Review of the European Commission policies website (full methodology provided in section 3 of D7.1)
Source of Secondary Data (if used)	Provide details of external data (dataset title, source, DOI, license).	The data is publicly available. References to all policies included in the review are provided in D7.1.
Purpose of Data	Describe intended use (e.g., project management, reporting, financial monitoring, scientific analysis, Living Lab coordination, dissemination, ethics compliance).	Scientific analysis for use in D7.1, D7.3 and subsequent publications
FAIR & Sharing	Indicate: • DOI (e.g., via Zenodo, institutional repository): • Link/URL or location • Access level: Open Restricted Confidential (consortium only) • License applied (e.g., CC-BY, CC0, proprietary):	The data is publicly available. References to all policies included in the review are provided in D7.1.
Ethical / Legal Considerations	Note if data includes: • Personal data (GDPR compliance) • Sensitive data (health, financial, etc.) • Ethical approvals required.	All data is publicly available and does not include any personal or sensitive data.
Documentation / Accessibility	Indicate whether supporting materials exist: README file Website / online documentation Executable code / scripts	The data were not stored for the purposes of the project; they are accessed through the public policies website

	API or service endpoint None (explain why)	of the European Commission
Contact / Responsible Partner	Partner name, contact person, email:	Chris Bear Cardiff University Bearck@cardiff.ac.uk

T7.2 Identification of areas where policy requires, constrains or enables transparency

WP: 7	Task: 7.2	Partner name: CU
Field	Description / Options	Answers
Data ID / Reference	Unique identifier for the dataset (e.g., WP number, task, acronym).	T7.2
Data Title	Title or short description of the dataset.	Online interviews with TITAN SMEs, Nov 2022-April 2024; focus groups with TITAN SMEs June 2024; interviews with organisations aiming to influence policy, October 2023-July 2025
Origin of Data	Primary data (collected/generated within project) Secondary data (re-used from external sources)	Primary data
Data Collection Method	Select one or more: Interviews Surveys Measurements Demonstrations Literature Sensor data Simulation / modeling Administrative / project records Other (specify)	Interviews Focus groups
Content / Data Type	Text (notes, reports, transcripts) Numeric (tables, counts, measurements) Audiovisual (images, sound, video, presentations) Software / code Metadata only Other (specify)	Text (transcripts) Audiovisual (video, audio recordings)
Volume / Size	Indicate approximate size: <100 MB 100 MB–1 GB 1–10 GB 10–100 GB	10-100 GB

	>100 GB (Specify if applicable)	
File Formats	Specify all formats used (e.g., DOCX, PDF, PPTX, CSV, XLSX, JSON, XML, JPEG, PNG, MP4, WAV, etc.).	DOCX, MP4, NVP
Software Required	List software needed to access/use data (e.g., MS Office, R, Python, Matlab, GIS tools, proprietary lab software).	MS Teams, MS Office, NVivo
Generation / Collection Details	Describe how the data was generated or collected (e.g., "Survey of 200 participants using online form," "Sensor logs from LL trials," "Simulation outputs from WP2 model").	The SME interview data was generated in collaboration with WP2 and WP3. Online interviews were conducted based on the joint consent form. The meetings were held on MS Teams, and the transcriptions were generated automatically via MS Teams. The focus group data were generated in collaboration with WP3. In-person focus groups were conducted based on the joint consent form and were professionally transcribed. The interviews with organisations aiming to influence policy were conducted either solely by WP7 or in collaboration with WP3. Online interviews were conducted based on the joint consent form. The meetings were held on MS Teams, and the transcriptions were generated automatically via MS Teams. The video and audio recordings,

		transcriptions, and signed consent forms are stored in Cardiff University OneDrive repository.
Source of Secondary Data (if used)	Provide details of external data (dataset title, source, DOI, license).	N/A
Purpose of Data	Describe intended use (e.g., project management, reporting, financial monitoring, scientific analysis, Living Lab coordination, dissemination, ethics compliance).	Scientific analysis, project deliverable reporting (D7.3) and subsequent publications
FAIR & Sharing	Indicate: • DOI (e.g., via Zenodo, institutional repository): • Link/URL or location • Access level: Open Restricted Confidential (consortium only) • License applied (e.g., CC-BY, CC0, proprietary):	Confidential, for use only by specific consortium partners, as designated in the related informed consent forms, and through institutional ethical approval. The data will be anonymized for publication.
Ethical / Legal Considerations	Note if data includes: • Personal data (GDPR compliance) • Sensitive data (health, financial, etc.) • Ethical approvals required.	The data includes basic personal data (e.g. age, gender) and sensitive data (e.g. commercially confidential). Ethical approval was received initially from WUR and subsequently confirmed by TUD and CU.
Documentation / Accessibility	Indicate whether supporting materials exist: README file Website / online documentation Executable code / scripts API or service endpoint None (explain why)	None (the dataset has not yet been shared in any way beyond specific consortium partners)
Contact / Responsible Partner	Partner name, contact person, email:	Chris Bear Cardiff University Bearck@cardiff.ac.uk

T7.3 Identification of challenges faced by policymakers

WP: 7	Task: 7.3	Partner name: CU
Field	Description / Options	Answers
Data ID / Reference	Unique identifier for the dataset (e.g., WP number, task, acronym).	T7.3
Data Title	Title or short description of the dataset.	Interviews and focus group with policymakers; online survey with policy community
Origin of Data	Primary data (collected/generated within project) Secondary data (re-used from external sources)	Primary data
Data Collection Method	Select one or more: Interviews Surveys Measurements Demonstrations Literature Sensor data Simulation / modeling Administrative / project records Other (specify)	Interviews Focus group Survey
Content / Data Type	Text (notes, reports, transcripts) Numeric (tables, counts, measurements) Audiovisual (images, sound, video, presentations) Software / code Metadata only Other (specify)	Text (transcripts) Audiovisual (video, audio recordings) Numeric (tables)
Volume / Size	Indicate approximate size: <100 MB 100 MB–1 GB 1–10 GB 10–100 GB >100 GB (Specify if applicable)	10-100 GB
File Formats	Specify all formats used (e.g., DOCX, PDF, PPTX, CSV, XLSX, JSON, XML, JPEG, PNG, MP4, WAV, etc.).	DOCX, MP4, NVP, XLSX
Software Required	List software needed to access/use data (e.g., MS Office, R, Python, Matlab, GIS tools, proprietary lab software).	MS Teams, MS Office, NVivo
Generation / Collection Details	Describe how the data was generated or collected (e.g., “Survey of 200	The interview data was generated through

	participants using online form," "Sensor logs from LL trials," "Simulation outputs from WP2 model").	online interviews conducted based on the joint consent form. The meetings were held on MS Teams, and the transcriptions were generated automatically via MS Teams. The focus group data were generated through an in-person focus groups, based on the joint consent form, and were professionally transcribed. The video and audio recordings, transcriptions, and signed consent forms are stored in Cardiff University OneDrive repository. The survey was conducted online following institutional ethical approval from Cardiff University. It was circulated to around 350 people (policymakers and related food system actors); 33 responses were received. It was circulated using Jisc Online Surveys.
Source of Secondary Data (if used)	Provide details of external data (dataset title, source, DOI, license).	N/A
Purpose of Data	Describe intended use (e.g., project management, reporting, financial monitoring, scientific analysis, Living Lab coordination, dissemination, ethics compliance).	Scientific analysis, project deliverable reporting (D7.3) and subsequent publications

FAIR & Sharing	Indicate: • DOI (e.g., via Zenodo, institutional repository): • Link/URL or location • Access level: Open Restricted Confidential (consortium only) • License applied (e.g., CC-BY, CC0, proprietary):	Confidential, for use only by specific consortium partners, as designated in the related informed consent forms, and through institutional ethical approval. The data will be anonymized for publication.
Ethical / Legal Considerations	Note if data includes: • Personal data (GDPR compliance) • Sensitive data (health, financial, etc.) • Ethical approvals required.	The data includes basic personal data (e.g. age, gender) and sensitive data (e.g. commercially confidential). Ethical approval was received initially from WUR and subsequently confirmed by TUD and CU.
Documentation / Accessibility	Indicate whether supporting materials exist: README file Website / online documentation Executable code / scripts API or service endpoint None (explain why)	None (the dataset has not yet been shared in any way beyond specific consortium partners)
Contact / Responsible Partner	Partner name, contact person, email:	Chris Bear Cardiff University Bearck@cardiff.ac.uk

T7.4 Develop and validate recommendations

At the time of writing, several contributions from partners remain outstanding, which prevents full completion of this section. We expect these inputs to be available for the final deliverable, and the last version of the DMP will incorporate all remaining updates to ensure comprehensive coverage following the conclusion of the pilot.

8. Allocation of Resources and Roles (Status at M36)

Roles remain as defined earlier: WP Leaders ensure adherence within their WPs; the Project Coordinator maintains the data register/repository status; TUD supports infrastructure and clarifications; all partners must ensure team compliance.

9. Ethics: Human Participants & Personal Data (Status at M36)

Pilots involved human participants (~500 expected). Partners apply data minimization, anonymization when feasible, and GDPR-compliant safeguards; cross-border transfers rely on appropriate agreements (e.g., Joint Controller Agreement). For any dataset not openly shared due to privacy/ ethics, record the legal/ethical reason and, if possible, provide anonymized/aggregated derivatives.

10. Conclusion

This deliverable provides a summary of Data Processing activities after 36 months, reflecting the collaborative efforts of all partners in reporting their data management practices and their contributions to the FAIR principles within the TITAN project. While valuable progress has been made, several pilots are still ongoing, and some information remains to be completed. We therefore expect to present a fully consolidated and comprehensive report in the final version of the Data Management Plan (DMP 1.6), once all partners have concluded their pilot activities and submitted their final inputs.

11. List of Tables

Table 1 ..... **Error! Bookmark not defined.**

12. List of Figures

Figure 1.....**Error! Bookmark not defined.**