» DELIVERABLE D8.6

Open science and data management, sharing plan, and agreement

PRELIMINARY VERSION

PROJECT INFORMATION

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TRACK OF CHANGES

Version	Date	Author	Description

DISSEMINATION LEVEL

Abbreviation	Meaning	
PU	Public, fully open (Deliverables flagged as public will be automatically published in CORDIS project's page).	X
SEN	Sensitive, limited under the conditions of the Grant Agreement.	

TABLE OF CONTENTS

0. GLOSSARY

ADAS	Advanced Driver Assistance System
BBC	British Broadcasting Corporation
CA	Consortium Agreement
CAD	Computer-aided Design
CAE	Computer-aided Engineering
CVS	Concurrent Versions System
DMP	Data Management Plan
DOI	Digital Object Identifier
EC	European Commission
EU	European Union
FAIR	Findable, Accessible, Interoperable and Reusable
FES	Front-End Structure
GA	Grant Agreement
GDPR	General Data Protection Regulation
LCA	Life Cycle Assessment
LCC	Life Cycle Costing
LCCA	Life Cycle Cost Assessment
MPDB	Moving Progressive Deformable Barrier
OA	Open Access
OSDM	Open Science and Data Management
OSDMP	Open Science and Data Management Plan
PC	Project Coordinator
SME	Small and Medium Size Entity
UD	Unidirectional
WP	Work Package
WPLs	Work Package Leaders
WTL	Work package Task Leaders

1. EXECUTIVE SUMMARY

This preliminary Document will encompass aspects of open sciences and data management (OSDM) (see Secs.1.2.7 and 1.2.8 in GA), ensuring that the correct guidelines are followed, and that outputs and data are created, managed, stored and shared in an appropriate manner to satisfy the relevant data standards. It includes Development and implementation of an OSDM plan and a data sharing agreement; Monitoring of outputs and data created; Sharing of outputs and data via the most appropriate channels; Providing advice and liaising with the project team on OSDM issues. Protecting the data while they are being collected, processed, analysed, and backed-up is crucial for the project, and led by the FRA with support of CTAG, UNN and BAX: Ensuring that data obeys with legal regulations; Regular reporting to the consortium; Monitoring and evaluating database performance; Improving the technology used building new databases. The OSDM will engage citizens, civil society and end users

where appropriate in the co-creation of R&I agendas and contents. The progresses, challenges and solution approaches in terms of OSDM will be well documented, evaluated and discussed in partner meetings with the PC and domain experts.

2. OPEN SCIENCE AND DATA MANAGEMENT PLAN

The Open Science and Data Management Plan (OSDMP) developed in this deliverable describes the SALIENT project partners' process regarding the management of data produced or collected during project implementation from September 1, 2022 to August 31, 2025. This document describes the OSDMP as Deliverable 8.6 on Month 4 of the SALIENT project.

The purpose of this OSDMP is to ensure the data generated and collected in SALIENT project follows the FAIR data management policy (see chapter 4), meaning making data findable, accessible, interoperable and reusable. According to the guidelines provided by EU Horizon program, and particularly the European Commission, following information will be included in this OSDMP:

- Descriptions of the datasets, which are collected, processed and/or generated (e.g. name, data type, format, volume, source, etc.)
- Methods for the handling of research data during and after the end of the project.
- Methods and standards to be used for data management
- Methods for curating and preserving data during and after the end of the project.
- Level of accessibility/confidentiality of data and opt-out statement in case there is no open access option.
- Methods to allow to access, manipulate, exploit, reproduce and disseminate the research data.

2.1 OPEN SCIENCE

Knowledge and data will be shared in an open cooperative and systematic way, in compliance with the general principles of the Horizon Europe Work Programme. This open science approach includes responsible management of research outputs (see also in GA Sec.1.2.8 "Data Management Plan") and engagement of citizens, civil society (see in GA Sec. 2.2.1.3 for planned communication channels) and end users (see in GA Sec. 2.2.1.1 for planned dissemination channels) where appropriate in the co-creation of R&I agendas and contents. The strategy of SALIENT is to enhance quality of results, foster collaboration, accelerate innovation, expand transparency of the technical procedure, and increase people and society's involvement.

2.1.1 Open Access

The team will make peer-reviewed research publications available through OA routes (ensuring long-term preservation): this includes immediate OA of either the published version or final accepted manuscript in OpenAIRE-registered digital repositories at e.g. FRA-

Gesellschaft, FRA ePrints, CTAG and UNN ePrints. Immediate (Gold) OA in compliant journals will also be targeted where this will increase the reach and impact of the publication. SALIENT will also use appropriate open data repositories, e.g. Fordatis, to support FAIR principles by enabling assignment of DOIs to datasets to ensure they can be cited and marks up content to ensure discoverability by Google and other major data search engines. CTAG, IDI and CID are also participating in RECOLECTA "Recolector de Ciencia Abierta" (Open Science Harvester), a platform which gathers all Spanish scientific repositories together in one place and provides services to repository managers, researchers and decision-makers. RECOLECTA is the result of the collaboration between the Spanish Foundation for Science and Technology (FECYT) and the Network of Spanish University Libraries (REBIUN) run by the Conference of Vice-Chancellors of Spanish Universities (CRUE). Their work aims to create a nationwide infrastructure of OA scientific repositories.

To ensure further reproducibility of results and accessibility, SALIENT will make the wide range of data and analytical codes developed in the project available as part of outputs using discipline-relevant Distributed Active Archive Centres (e.g. the Data Europa EU) (see also in GA Sec. 1.2.8 for "Data Management Plan"). In addition, free access to the other consortium institutional data repositories and code-sharing platforms such as GitHub will be promoted. Recognizing the important link between openness and research integrity, SALIENT will adhere to the EU Code of Conduct for Research Integrity and will make use of institutional online ethical approval systems to ensure any ethics issues can be robustly addressed transparently and at an early stage [1].

2.1.2 Engagement of Citizens, Civil Society, and End-users

SALIENT is implementing a guided approach to ensure wide communication within the project, facilitate effective engagement and reach competent dissemination of the outcomes. This approach will emphasise creating awareness by delivering key aspects and advantages of the project to targeted audiences and end-users. To guarantee the targeted audience will easily recognise the benefits of the projects, simple to understand visual material will be used. Moreover, tailored content will also be communicated to certain target audiences, to create an active stakeholders' network. The key element of SALIENT communication is interaction with the community to promoting its findings during the project with clear objectives and different targets audiences, including groups beyond SALIENT's own community (e.g. media, general public). The WP7 activities are tailored to inform, involve and inspire target audiences including the scientific community, industry and business community, decision makers, and the general public. They aim at increasing the project's visibility and accessibility. T7.1 will provide closely related services: i) Stakeholder Management: Internal and external groups of interest (e.g. internally as partners, or external decision makers such as the EC), and groups who are seeking involvement with the project. Internal communication will be based on a newly developed intranet by BAX. Keeping national and EU decision makers informed about the progress of SALIENT, the challenges faced, and the opportunities seized, is a major requirement for the success of the project. ii) Public Outreach: News, press releases and activities with print and broadcast media within the EU and beyond will be developed to inform about SALIENT progress and business success stories. Media campaigns, focused on content that is of interest to industry, will help the project to place stories in major media outlets (e.g., BBC, Reuters, Bloomberg). iii) Direct

Outreach: Implementation of SALIENT's event portfolio, by organising conferences and events for target audiences. Activities aim at external persons and entities that could benefit from the SALIENT technologies.

2.2 DATA MANAGEMENT PLAN

First, a questionnaire was developed by FRA, which had to be answered by all project partners. This involves capturing the datasets created in this project. Furthermore, their compliance with the FAIR (Findability, Accessibility, Interoperability and Reusability) data policy from the European Commission is assessed. Other things asked in the questionnaire are aspects related to data security, ethics, resource allocation and development during the project. The template of the blank questionnaire is presented in the ANNEX.

SALIENT will provide a detailed analysis of the major elements of the data management policy that will be used regarding to all generated and collected datasets. SALIENT will, therefore, address the following issues.

2.2.1 Roles and Responsibilities

The Open Science and Data Manager (OSDM) (see WP8 in GA), will specialise in disclosure risk management to act as steward for the data while they are being collected, processed and analysed. The OSDM will be responsible for the collection, management and sharing of the data.

2.2.2 Types of Data Generated /Collected

SALIENT will generate new data designed to study advanced lightweight metallic /composite materials, manufacturing processes, demonstrator development, ADAS, covering both numerical and simulation-based data. The sensitive nature of this data will require it to be released via a restricted use contract. Some data will be collected from other partner's projects (e.g. production, cost, LCA, manufacturing, etc.).

2.2.3 Standards for Data and Metadata

Research data will be stored using widely applicable file formats and will be stored in a Concurrent Versions System (CVS) and checked in and out to maintain version control. Metadata will be generated to describe the data and will be stored alongside the data. Metadata standards will be developed, defined and applied during the creation of the metadata. Data management will also adapt to best practices and standards from the targeted sectors.

2.2.4 Access, Sharing, Privacy and Provisions for Re-use

The exchange of all relevant files between partners will occur via an online workspace (CTAG SharePoint), by the coordinator / project management, ensuring confidentiality, safety and highspeed loading. In addition, sharable documents will be posted on the SALIENT project website following the open access policy in Horizon Europe within 4 months of the end of the project. Wider beneficiaries can contact the project coordinator (PC) for access data. They will be maintained in an open XML format to enable open re-use. The PC will be responsible for developing and implementing a data sharing agreement ensuring that all project partners are aware of the ownership of data and access conditions. Online access to data of final prototypes data will not be password protected, in order to be widely used by researchers, the general public, stakeholders and policymakers.

2.2.5 Data Curation and Preservation

Data will be curated and preserved in a secure environment via the relevant specialist data centre or archive. All files containing data and metadata will be saved on password protected networked drives within the project partners' institutions, ensuring they are automatically backed-up each evening, in accordance with institutional back-up policies. The PC will ensure long-term access to the data for the target sectors communities. The data files will be managed, processed, and stored in a secure environment, with access control to digital files through encryption and /or password protection. SALIENT has a well-defined Consortium Agreement (CA) to manage the ownership and key knowledge (IPR /data) and to allow pursuing market opportunities arising (Sec. 2.2.1.2). No human qualitative data will be collected and the processing of personal data will respect the General Data Protection Regulation (EU) 2016 /679 (GDPR).

2.3 OPEN SCIENCE AND DATA MANAGEMENT RESPONSIBILITIES

To effectively execute the SALIENT OSDMP, specific data management roles have been assigned to various partners as follows:

Open Science and Data Management (OSDM)

The Open Science and Data Management (led by the FRA with support of CTAG, UNN and BAX), will be responsible for the collection, management, and sharing of the data, including the protection of the data while they are being collected, processed, analysed and backed-up. The OSDM will also ensure data obeys legal regulations, monitor and evaluate database performance, build new databases, and improve database tools and services effectiveness. The OSDM will engage citizens, civil society and end users where appropriate in the co-creation of R&I agendas and contents.

Work Package Leaders (WPLs)

The WPL is responsible for coordinating the implementation of the data processing activities performed under the WPs they are leading. They align with the PC and the respective Work package Task Leader on whether and how the data gathered /produced under the tasks that fall within the WP they are leading will be shared and /or re-used. This includes the definition of access procedures as well as potential embargo periods along with any necessary software and /or other tools which may be required for data sharing and re-use. Finally, the WPLs are responsible for assuring the quality of the data from the activities of the WP they are leading, including assessing their quality and indicating any need for improvement to the respective Work package Task Leaders.

Work package Task Leaders (WTL)

The WTL act as data controllers of the data collected /generated in their tasks. They determine the purposes and means of processing this data as well as safeguarding its appropriate and timely processing. In addition, they are responsible for properly adjusting the templates for the informed consent form and information sheet (where needed) to the needs and specificities of the activities carried out in the task they are leading. Finally, they undertake any necessary actions to prepare the data collected /generated through the tasks they are leading for sharing either within the consortium or openly (including the use of proper naming conventions, application of suitable anonymisation techniques, creation of appropriate metadata and documentation, etc.).

Data processors

Data processors are project partners that are tasked to collect, digitise, anonymise, store, destroy and /or otherwise process data for the specific purpose of the activity in which it has been collected / generated within the framework of the project. They are responsible for appropriately collecting the necessary consent for processing data (where needed) as well as for ensuring that the informed consent form and information sheet used to this end are properly adjusted to the needs of the activity they are participating and any particularities applicable to their organisation. Additionally, they are also responsible for managing the consents they have retrieved with a view to demonstrating their compliance with the relevant applicable EU and national regulation.

Data repositories

Data repositories are tasked with the storage and long-term preservation of the project's data. This aspect will further be elaborated when SALIENT determines which repository will be used for openly shared data (Fordatis is planned). For day-to-day storage of data from various WPs, the PC's server, SharePoint, will be used. Store and preserve the project's data available for sharing amongst authorised consortium members in the framework of the project.

2.4 DATA SUMMARY

This is the first version of the data management plan. It will be updated if necessary during the project duration (at the latest by the end of this project).

The purpose of data generation and collection in SALIENT is linked to the project objective:

Automotive safety is one of the most crucial factors in vehicle development and future vehicles need novel, lightweight structures that are safer and sustainable throughout their life-cycle. Hence, the long-term aim for SALIENT is to make our roads safer and reduce serious injuries and fatalities. To reach this ambition, SALIENT will present novel structural and vehicle concepts that are safer, lighter, circular, and smarter, which can be adapted to accommodate different crash scenarios. SALIENT will focus on innovating new technologies and will develop, demonstrate, and validate the effectiveness of light front-end structure (FES), considering eco-design and circular economy principles, to enhance vehicle safety. SALIENT will adapt advanced light materials, improved manufacturing and joining techniques, innovative circular design, and emerging active safety technologies to develop a smart FES with high energy absorption capability and to be adapted (prior crash events) with future mixed traffic scenarios to meet or exceed future vehicle demands in terms of safety, structural integrity, crashworthiness, and compatibility. SALIENT will build a pathway for the newly accumulated strategic knowledge to impact EU industries and society. Its ambition is to create global impacts and to play a key role to support EU strategic needs, and economic and societal challenges. The consortium consists of twelve partners from seven countries, representing the full automotive value chain, with leading European car manufacturer working alongside world-class research and education organisations, plus innovative SMEs. The project has been engineered to ensure maximum impact for the automotive industry in particular and society as a whole, significantly contributing to the evolving field of automotive safety.

Based on this goal, the project partners will create various datasets. These will help validate and facilitate the project's research. These datasets are identified in this report and its handling process by each party is defined in the coming sections.

At this point, all partners have classified all their datasets as confidential for the public, so their accessibility and reusability are limited to the consortium members. However, this is the initial collection of all datasets. In the further course there will be adjustments and changes to it. This could also lead to more defined releases for Open Access.

In the following chapters, the contents of the collected questionnaires are evaluated in detail.

3. DATASETS

In this chapter all datasets created by the partners are listed (Table 1). The coding of the datasets numbering is defined as follows:

”Work Package Number”.”Dataset Number”

A comment column has been added to the table to indicate possible adjustments, especially options for merging datasets.

All 48 individual datasets are presented in the appendix, according to the overview in the questionnaire. The structure is based on WP.

WP	#	Dataset code	Name / Title	Respon-sible partner	Other involved partners	Comment
1	1	1.1	Report (CAN signal structure)	IPG	ETE, CRF	
	2	1.2	Material data (DMV database)	ETE		
2	3	2.1	D2.1, CAE-design	UNN	CTAG, CRF, FRA	CAE/CAD design
	4	2.2	CAE-design (smart-material)	CTAG	CRF	
	5	2.3	CAE-design (multi-material design)	FRA	CTAG, tPE, ASAS	Merge with 2.2 (new: design of multi-materials)
	6	2.4	CAD/CAE Design (Multimaterial design)	CRF	CTAG, FRA, UNN	Merge with 2.2 (new: design of multi-materials)
	7	2.5	Simulations and report	IPG	CRF	
	8	2.6	Sub-components analysis	CID	UNN	
	9	2.7	D2.5,LCA of identified vehicle's FES; D2.6 LCCA considering possible business cases	UNN	CTAG, BAX	only LCA
	10	2.8	LCA and LCC	BAX	UNN	only LCC
3	11	3.1	Chracterisation inputs	UNN	CTAG, CRF	
	12	3.2	The development and embedding of SMAs (for AC1)	UNN	tPE, FRA	
	13	3.3	Processing parameters of UD-tape	FRA	tPE	
	14	3.4	D3.5 (Optimized manufacturing processes)	ASAS	CRF,FRA,CID,tPE	
	15	3.5	CAE-design (profile design)	ASAS		Merge with 2.1
	16	3.6	Report (material tests)	ASAS		
	17	3.7	material data (alloy data)	ASAS		
	18	3.8	material data of new developed material (tape)	tPE	FRA, UNN, ASAS, CID, CRF, VIF, IDI	
	19	3.9	material cards (Thermo-mechanical and fatigue properties of the materials)	CID	ASAS, tPE	
	20	3.10	Sheet with experimental data of the materials and coupon join	CRF	tPE, FRA, UNN, IDI	
	21	3.11	Methods of joining	CID	CRF	
	22	3.12	Research on induction welding	CID		
	23	3.13	Joining methods	FRA	tPE, ASAS	Merge with 3.11
4	24	4.1	demonstrator manufactured (report)	FRA	CRF, UNN, CID, tPE, ASAS	
	25	4.2	Series cost estimation	FRA	ETE, UNN, CTAG, ASAS, tPE, CRF, FRA, ...	process costs
	26	4.3	Material data (efficiencies, costs)	ETE		material costs
5	27	5.1	D5.2 Materials modelling and manufacturing process analysis	UNN	CRF, CID, IDI, VIF, ASAS	
	28	5.2	CAE Design (Multimaterial design)	CRF	ViF, tPE, ASAS	Merge with 2.2 (new: design of multi-materials)
	29	5.3	D5.3 Joining modelling techniques	UNN	CRF, CID, IDI, VIF	
	30	5.4	Performance simulation results	CID		
	31	5.5	Prototypical modular simulation environment (Deliverable)	VIF	CID, UNN	
	32	5.6	Full vehicle simulation assessment in mixed accident scenarios (Deliverable)	VIF	CRF, UNN, CID, IDI	
	33	5.7	Full scale structural integrity and safety simulations results	VIF	CRF, UNN, CID, IDI	
	34	5.8	Joint, component and full-vehicle simulation assessment in mixed accident scenarios	IDI	VIF, CRF, UNN, CID	
	35	5.9	Joint, component and full-vehicle structural integrity and safety simulations results	IDI	VIF, CRF, UNN, CID	
6	36	6.1	EoL Report	CTAG	CRF, FRA, tPE, ASAS	
	37	6.2	Report on component and assembly testing	CRF	IDI, CTAG, FRA, ASAS	
	38	6.3	Axial crush test	CID	CTAG	
	39	6.4	MPDB crash test	CID		
	40	6.5	Full compatibility assessment	CID		
	41	6.6	3-point bending test	IDI		
	42	6.7	Demonstrator trolley for Oblique MPDB	IDI		
7	43	7.1	Characterisation of KERs	BAX	all	
	44	7.2	Characterisation of KERs - IPR	BAX		
	45	7.3	Liaison with other projects	BAX	CTAG, FRA	
	46	7.4	Publications and conference presentations	UNN	all	
8	47	8.1	Innovation management report and monitoring	BAX		
	48	8.2	Management reports	UNN	all	

Table 1. Dataset overview

4. FAIR PRINCIPLES

SALIENT consortium is determined to comply with the FAIR data regulations of European Commission. All possible measures will be taken to make the research data generated throughout this project of higher value by following basic principles of Findability, Accessibility, Interoperability and Reusability. [2]

4.1 FINDABILITY

All the data generated within the project for the sake of exchange within consortium, is also stored on the SharePoint directory of the project SALIENT. This directory is mainly maintained by the project coordinator CTAG. The data in this directory includes, but is not limited to presentations, progress reports, CAx-Files, spreadsheets, MoM's, material data sheets, etc. Only project relevant persons have access to this storage location.

All open access research data will be published by the research data repository of the Fraunhofer-Gesellschaft Fordatis. Fordatis is operated by the Competence Center Research Services & Open Science at the Fraunhofer Information Center for Planning and Building. Every dataset being published on Fordatis is described by the Fordatis Application Profile based on Dublin Core Metadata Standard. A Digital Object Identifier (DOI) references every published dataset and enables easy and unique identification of the same. The metadata is indexed by a solar index version 7. Further, several keywords can be assigned to the metadata for each dataset, to enhance their visibility through search option of Fordatis. An advanced search option is also available to restrict results by several attributes like institute, author, year, etc. The Metadata of the Datasets that have been uploaded to Fordatis are automatically indexed in google and the OpenAIRE Repository that leads to easy findability for everyone. [3]

4.2 ACCESSIBILITY

The Microsoft SharePoint Directory of the project SALIENT gives access to all project members to its contents. In accordance with the Article 16.1 of the Grand Agreement (GA), participants of the project will be given access to background through this channel.

The SALIENT project consortium will also make sure to publish the project results in form of peer-reviewed research publications through open-access channels. An electronic version of the publication will be made available in the OpenAIRE-registered repositories e.g. FhG-Publica, FRA ePrints, CTAG and UNN ePrints, etc. Immediate (Gold) OA in compliant journals will also be targeted where this will increase the reach and impact of the publication. SALIENT will also use appropriate open data repositories, e.g. Fraunhofer's Fordatis, to support FAIR principles by enabling assignment of DOIs to datasets to ensure they can be cited and marks up content to ensure discoverability by Google and other major data search engines. [4]

Publication of non-sensitive results of the project Datasets published in Fordatis are retrievable by their identifier using the https protocol. Since every dataset published in Fordatis is openly available, no authentication or authorization procedure is needed for reusing the data. Each item is described by a metadata record that still exists when a dataset is no longer available or able to be opened. [3], [5]

The Table 2 below shows the current entries about datasets accessibility by the partners.

Partner	Accessibility	Requied Software
CTAG	Confidential, only for consortium members	
CRF	Confidential, only for consortium members	
FRA	Confidential, only for consortium members	
VIF	Sharable under restrictions	MSOffice
CID	Confidential, only for consortium members	
tPE	Confidential, company own know-how, Not every data can be shared to publicity, Reports of the material development are accesible for the consortium only	
IDI	Sharable under restrictions with GA and CA contraints, Full access for the consortium	MSOffice, LS-DYNA
ASAS	The legal framework for sharing data depends on company policy. There is also a culture of data privacy within the company for know how. Only beneficiary.	
ETE	Full Access	
BAX	Confidential, only for consortium members (7.1, 7.2);Sharable under restrictions (2.8 7.3, 8.1)	MSOffice
UNN	Confedntial, only for consortuim members	
IPG	N/A	

Table 2. Datasets accessibility

4.3 INTEROPERABILITY

Metadata is stored in a relational database within Fordatis. Exports are available in JSON and XML. For the following fields metadata vocabularies are used:

Field "Dewey Decimal Classification": In this field the German Dewey Decimal Classification to its third free level is implemented. Date Scheme yyyy-mm-tt

Field "Relation": The following relation options from data to other resources are available:

- isPartOf http://purl.org/dc/terms/isPartOf
- hasPart: http://purl.org/dc/terms/hasPart
- isbasedon
- references http://purl.org/dc/terms/references
- isreferencedby http://purl.org/dc/terms/isReferencedBy
- requires: http://purl.org/dc/terms/requires
- issupplementedby
- issupplementto
- isgeneratedby

There are mappings to DataCite-Standard and OAI-DC available. Research data is automatically harvested from Fordatis by OpenAIRE, no separate process needs to be fulfilled at the institute.

4.4 REUSABILITY

Data will be curated and preserved in a secure environment via the individual SALIENT institutional repositories and also via the relevant specialist data centre or archive. All files containing data and metadata will be saved on password protected networked drives within the project partners' institutions, ensuring they are automatically backed-up each evening, in accordance with institutional back-up policies. The PC will ensure long-term access to the data for the target sectors communities. The data files will be managed, processed, and stored in a secure environment, with access control to digital files through encryption and /or password protection. SALIENT has a well-defined Consortium Agreement (CA) to manage the ownership and key knowledge (IPR /data) and to allow pursuing market opportunities arising (Sec. 2.2.1.2). No human qualitative data will be collected and the processing of personal data will respect the General Data Protection Regulation (EU) 2016 /679 (GDPR).

During the Fordatis publishing process, data must be covered by a license (most common: CC BY 4.0). To this end, various preselected licenses are made available in the publishing process. By uploading content to the Fordatis repository, the transmitter agrees that the research data may be used by third parties in accordance with the license issued.

Content that has been published will be stored and made available for a period of at least ten years. The Operator will make every reasonable effort to ensure the long-term storage or archival of the digital object. The Operator cannot be held responsible for the loss or damage of the digital object or other associated data.

All data that is uploaded to Fordatis without an embargo date is available for subsequent use by third parties. The type of subsequent use permitted is governed by the issuance of a license. By downloading the data, users assume full responsibility for the use of the data. They are obligated to comply with the license terms of the corresponding record. [3]

The replies of the project partners concerning data interoperability and reusability are detailed in the Table 3.

Partner	Interoperable?	Re-use by third parties?
CTAG	No	No
CRF	Yes	No
FRA	Yes	No
VIF	Yes	most likely not directly
CID	Yes	No
tPE	No	No
IDI	Yes	most likely not directly
ASAS	No	No
ETE	Yes	Yes
BAX	Yes	No, unless authorised
UNN	Yes	No
IPG	1.1 yes, 2.5 depends on if those wanting to share are IPG Automotive CarMaker users.	TBC. Likely much of 1.1. Some of 2.5 but not necessarily the produced ADAS software unless it is released in future versions of CarMaker (requiring licence purchases)

Table 3. Data interoperability and reusability

The data is described by the Fordatis metadata scheme with carefully considered precise metadata including an mandatory abstract giving valuable context information on the data and a technical description giving information on conditions of data generation, proprietary protocols and parameters. This field gives information on programs necessary for the re-use of the published data. Further a license specifying the allowed reuse of data is part of the metadata. Fordatis is able to handle various versions of a dataset. The Fordatis metadata scheme is available via the Fraunhofer-Intranet.

5. ALLOCATION OF RESOURCES

At this stage of the project, no partners have declared that they have provided budget for open access to data, but the FRA-Fordatis OA repository is free of charge for all Fraunhofer-Gesellschaft employees and their project partners. Regarding the long-term preservation of the datasets, the Table 4 shows different internal strategies of each partner based on the information provided by the consortium partners.

Partner	Planned resources	Decision maker for data preservation	Preservation timeframe
CTAG	No	The manager of the project at CTAG's	With no time, except if the project has limited retention requirements
CRF	No	N/A	No
FRA	No	Project team	10 years
VIF	No	consortium and project lead at partner level	see CA, GA
CID	No	Cidaut's project manager and Cidauts' IT department	Several years after project end
tPE	No	Project leader of the project at tPE	With no time, except if the project has limited retention requirements
IDI	No	Consortium and project lead at partner level	CA, GA
ASAS	No	R&D Department of ASAS	5 years
ETE	No	Consortium	see Grant Agreement
BAX	No	N/A	No
UNN	No	UNN PI	approx. 5 years
IPG	No	SALIENT can advise	SALIENT can advise

Table 4. Resource allocation policies

6. DATA SECURITY

In the Table 5 are listed the provisions in place for data security within the partner organization.

Partner	Security Standards
CTAG	Limited access to information managed by the project manager, snapshots, backup, long term archiving system, duplicated and secured storage, ISMS deployed, security trainings.
CRF	ICT systems
FRA	Limited access, snapshots, backup, long term archiving, security trainings
VIF	TISAX Level 3, but project relevant data will be on SALIENT sharepoint or similar
CID	ISO 27001 guidelines
tPE	Limited access to information managed by the project manager, long term archiving system, duplicated and secured storage
IDI	TISSAX Level 3, but project relevant data will be on SALIENT sharepoint or similar
ASAS	CDPR,27001,KVKK
ETE	Data will be on SALIENT SharePoint
BAX	Firewall on the cloud
UNN	Follow the UNN IT STRCIT security rules
IPG	Various firewalls, passwords, multi-factor authenticaion.

Table 5. Security standards

7. ETHICAL ASPECTS

The SALIENT project partners must carry out the action in compliance with the article 14 of the GA, especially with the following aspects:

- ethical principles (including the highest standards of research integrity)

and

- applicable EU, international and national law, including the EU Charter of Fundamental Rights and the European Convention for the Protection of Human Rights and Fundamental Freedoms and its Supplementary Protocols.

Activities raising ethical issues must comply with the additional requirements formulated by the ethics panels (including after checks, reviews or audits; see Article 25 of the GA).

The SALIENT project partners must pay particular attention to the principle of proportionality, the right to privacy, the right to the protection of personal data, the right to the physical and mental integrity of persons, the right to non-discrimination, the need to ensure protection of the environment and high levels of human health protection.

8. CONCLUSION

This deliverable is the first, preliminary version of the OSDMP planned for month 4 and has been released as a public report. An updated, final OSDMP (deliverable 8.7) is scheduled for month 36. In addition, this document is a working document that will be updated as a partner organization's data management process changes or new datasets are created before the final version is published.

9. REFERENCES

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10. ANNEX

Individual datasets are presented below, according to the overview in the questionnaire. The structure is based on WP.

10.1 DATASETS WP1

subject	remarks	content
Dataset	Number of Dataset	1.1
Dataset Name	e.g. Deliverable, CAE-design, material data, report, demonstrator, ...	Report (CAN signal structure)
Dataset Description	Brief description of the dataset.	CAN signal structure
Responsible Partner	Dataset created by this partner	IPG
Ohter Involved Partners	Partners involved in the dataset	ETE, CRF
Purpose	What is the purpose of the data collection/generation and its relation to the objectives of the project?	specify how the TrM receives it signal from an ADAS ECU
Type	What types of data will the project generate/collect?	
Format	xlsx	☐
	docx	☑
	pptx	☑
	pdf	☐
	jpeg	☐
	opj	☐
	tiff	☐
	other	☐
	Name of other	
Volume	Expected size (... GB, ...MB)	small MB
IPR Owner	Ownership of Intellectual Property Rights	SALIENT
Re-use existing Data	yes	☑
	no	☐
	If yes, how will you use it?	
Beneficiary	To whom will the data be useful?	all in SALIENT
Keywords	The keywords associated with the dataset to optimize reuse possibilities	
Version number	Will you provide clear version number to keep track of changes to the dataset?	☑ yes ☐ no

Table 6. Dataset 1.1

subject	remarks	content
Dataset	Number of Dataset	1.2
Dataset Name	e.g. Deliverable, CAE-design, material data, report, demonstrator, ...	Material data (DMV database)
Dataset Description	Brief description of the dataset.	Data processing of DMV Database
Responsible Partner	Dataset created by this partner	ETE
Ohter Involved Partners	Partners involved in the dataset	
Purpose	What is the purpose of the data collection/generation and its relation to the objectives of the project?	To analyse crash configurations in mixed traffic situations.
Type	What types of data will the project generate/collect?	Crash collisions reports.
Format	xlsx	☑
	docx	☐
	pptx	☐
	pdf	☐
	jpeg	☐
	opj	☐
	tiff	☐
	other	☐
	Name of other	
Volume	Expected size (... GB, ...MB)	100MB
IPR Owner	Ownership of Intellectual Property Rights	OPEN to USE
Re-use existing Data	yes	☑
	no	☐
	If yes, how will you use it?	Selection of crash cases
Beneficiary	To whom will the data be useful?	all in SALIENT
Keywords	The keywords associated with the dataset to optimize reuse possibilities	DMV, Mixed Traffic, Crash configurations
Version number	Will you provide clear version number to keep track of changes to the dataset?	☑ yes ☐ no

Table 7. Dataset 1.2

10.2DATASETS WP2

subject	remarks	content
Dataset	Number of Dataset	2.1
Dataset Name	e.g. Deliverable, CAE-design, material data, report, demonstrator, …	D2.1, CAE-design
Dataset Description	Brief description of the dataset.	CAE/CAD files
Responsible Partner	Dataset created by this partner	UNN
Ohter Involved Partners	Partners involved in the dataset	CTAG, CRF, FRA
Purpose	What is the purpose of the data collection/generation and its relation to the objectives of the project?	To support FES design
Type	What types of data will the project generate/collect?	CAE/CAD
Format	xlsx	☑
	docx	☑
	pptx	☑
	pdf	☑
	jpeg	☑
	opj	☐
	tiff	☐
	other	☑
	Name of other	CAE and CAD format (.dat, .inp, .odb, .h3d … .step, .igs
Volume	Expected size (… GB, …MB)	Varies in GB
IPR Owner	Ownership of Intellectual Property Rights	Partners involved
Re-use existing Data	yes	☑
	no	☐
	If yes, how will you use it?	Know-how
Beneficiary	To whom will the data be useful?	Consortuim and other external stakeholders
Keywords	The keywords associated with the dataset to optimize reuse possibilities	
Version number	Will you provide clear version number to keep track of changes to the dataset?	☑ yes ☐ no

Table 8. Dataset 2.1

subject	remarks	content
Dataset	Number of Dataset	2.2
Dataset Name	e.g. Deliverable, CAE-design, material data, report, demonstrator, …	CAE-design (smart-material)
Dataset Description	Brief description of the dataset.	FES CAD design
Responsible Partner	Dataset created by this partner	CTAG
Ohter Involved Partners	Partners involved in the dataset	CRF
Purpose	What is the purpose of the data collection/generation and its relation to the objectives of the project?	FES design and adaptation concept, weight reduction, adopt the performance and technical requirements expected for the FES
Type	What types of data will the project generate/collect?	CAD designs
Format	xlsx	☐
	docx	☑
	pptx	☐
	pdf	☑
	jpeg	☐
	opj	☐
	tiff	☐
	other	☑
	Name of other	CADpart, stp
Volume	Expected size (… GB, …MB)	5 GB
IPR Owner	Ownership of Intellectual Property Rights	CTAG, CRF
Re-use existing Data	yes	☑
	no	☐
	If yes, how will you use it?	Re-design of existing FES
Beneficiary	To whom will the data be useful?	Automotive OEMs, TIERs
Keywords	The keywords associated with the dataset to optimize reuse possibilities	front-end, lightweight, CAD design,
Version number	Will you provide clear version number to keep track of changes to the dataset?	☑ yes ☐ no

Table 9. Dataset 2.2

subject	remarks	content
Dataset	Number of Dataset	2.3
Dataset Name	e.g. Deliverable, CAE-design, material data, report, demonstrator, ...	CAE-design (multi-material design)
Dataset Description	Brief description of the dataset.	CAE-design in multi material design with load path oriented structures
Responsible Partner	Dataset created by this partner	FRA
Ohter Involved Partners	Partners involved in the dataset	CTAG, tPE, ASAS
Purpose	What is the purpose of the data collection/generation and its relation to the objectives of the project?	possible design for demonstrator
Type	What types of data will the project generate/collect?	CAE/CAD/FEA, Report
Format	xlsx	☑
	docx	☑
	pptx	☑
	pdf	☑
	jpeg	☑
	opj	☐
	tiff	☐
	other	☑
	Name of other	stp, prt, asm, sldprt, sldasm, rst, wbpz
Volume	Expected size (... GB, ...MB)	1 GB
IPR Owner	Ownership of Intellectual Property Rights	FRA
Re-use existing Data	yes	☐
	no	☑
	If yes, how will you use it?	
Beneficiary	To whom will the data be useful?	all project partners
Keywords	The keywords associated with the dataset to optimize reuse possibilities	multi-material design, topology optimization cfrp-tape
Version number	Will you provide clear version number to keep track of changes to the dataset?	☑ yes ☐ no

Table 10. Dataset 2.3

subject	remarks	content
Dataset	Number of Dataset	2.4
Dataset Name	e.g. Deliverable, CAE-design, material data, report, demonstrator, ...	CAD/CAE Design (Multimaterial design)
Dataset Description	Brief description of the dataset.	
Responsible Partner	Dataset created by this partner	CRF
Ohter Involved Partners	Partners involved in the dataset	CTAG, FRA, UNN
Purpose	What is the purpose of the data collection/generation and its relation to the objectives of the project?	
Type	What types of data will the project generate/collect?	
Format	xlsx	☑
	docx	☑
	pptx	☑
	pdf	☑
	jpeg	☑
	opj	☐
	tiff	☐
	other	☑
	Name of other	FEM, CAE and CAD format (.dat, .inp, .key, .odb, .h3d ... .step, .igs)
Volume	Expected size (... GB, ...MB)	
IPR Owner	Ownership of Intellectual Property Rights	
Re-use existing Data	yes	☑
	no	☐
	If yes, how will you use it?	
Beneficiary	To whom will the data be useful?	
Keywords	The keywords associated with the dataset to optimize reuse possibilities	
Version number	Will you provide clear version number to keep track of changes to the dataset?	☑ yes ☐ no

Table 11. Dataset 2.4

subject	remarks	content
Dataset	Number of Dataset	2.5
Dataset Name	e.g. Deliverable, CAE-design, material data, report, demonstrator, ...	Simulations and report
Dataset Description	Brief description of the dataset.	1D systems simulations and report
Responsible Partner	Dataset created by this partner	IPG
Ohter Involved Partners	Partners involved in the dataset	CRF
Purpose	What is the purpose of the data collection/generation and its relation to the objectives of the project?	to demonstrate the capability of an ADAS ECU to detect an immienet collision and trigger the TrM
Type	What types of data will the project generate/collect?	
Format	xlsx	☐
	docx	☑
	pptx	☑
	pdf	☐
	jpeg	☐
	opj	☐
	tiff	☐
	other	☑
	Name of other	CarMaker simulation runs and videos
Volume	Expected size (... GB, ...MB)	?
IPR Owner	Ownership of Intellectual Property Rights	IPG
Re-use existing Data	yes	☐
	no	☑
	If yes, how will you use it?	
Beneficiary	To whom will the data be useful?	OEMs and CRF directly
Keywords	The keywords associated with the dataset to optimize reuse possibilities	
Version number	Will you provide clear version number to keep track of changes to the dataset?	☑ yes ☐ no

Table 12. Dataset 2.5

subject	remarks	content
Dataset	Number of Dataset	2.6
Dataset Name	e.g. Deliverable, CAE-design, material data, report, demonstrator, ...	Sub-components analysis
Dataset Description	Brief description of the dataset.	Finite element assessment of the sub-components which make up the existing Front-End Structures (FESs)
Responsible Partner	Dataset created by this partner	CID
Ohter Involved Partners	Partners involved in the dataset	UNN
Purpose	What is the purpose of the data collection/generation and its relation to the objectives of the project?	Support the material selection process during the design activities
Type	What types of data will the project generate/collect?	Report
Format	xlsx	☐
	docx	☑
	pptx	☐
	pdf	☐
	jpeg	☐
	opj	☐
	tiff	☐
	other	☐
	Name of other	
Volume	Expected size (... GB, ...MB)	
IPR Owner	Ownership of Intellectual Property Rights	
Re-use existing Data	yes	☑
	no	☐
	If yes, how will you use it?	Selection of materials
Beneficiary	To whom will the data be useful?	
Keywords	The keywords associated with the dataset to optimize reuse possibilities	
Version number	Will you provide clear version number to keep track of changes to the dataset?	☐ yes ☐ no

Table 13. Dataset 2.6

subject	remarks	content
Dataset	Number of Dataset	2.7
Dataset Name	e.g. Deliverable, CAE-design, material data, report, demonstrator, …	D2.5,LCA of identified vehicle's FES; D2.6 LCCA considering possible business cases
Dataset Description	Brief description of the dataset.	LCA/LCCA full analysis
Responsible Partner	Dataset created by this partner	UNN
Ohter Involved Partners	Partners involved in the dataset	CTAG, BAX
Purpose	What is the purpose of the data collection/generation and its relation to the objectives of the project?	To assess environmental impact and cost analysis
Type	What types of data will the project generate/collect?	LCA/LCCA
Format	xlsx	☑
	docx	☑
	pptx	☑
	pdf	☑
	jpeg	☑
	opj	☐
	tiff	☐
	other	☐
	Name of other	
Volume	Expected size (… GB, …MB)	Varies in GB
IPR Owner	Ownership of Intellectual Property Rights	Partners involved
Re-use existing Data	yes	☑
	no	☐
	If yes, how will you use it?	Know-how
Beneficiary	To whom will the data be useful?	Consortuim and other external stakeholders
Keywords	The keywords associated with the dataset to optimize reuse possibilities	
Version number	Will you provide clear version number to keep track of changes to the dataset?	☑ yes ☐ no

Table 14. Dataset 2.7

subject	remarks	content
Dataset	Number of Dataset	2.8
Dataset Name	e.g. Deliverable, CAE-design, material data, report, demonstrator, …	LCA and LCC
Dataset Description	Brief description of the dataset.	For each innovative technology, we will determine a full LCC and LCA analysis using the GABI online tool and data available from literature (ecoinvent)
Responsible Partner	Dataset created by this partner	BAX
Ohter Involved Partners	Partners involved in the dataset	UNN
Purpose	What is the purpose of the data collection/generation and its relation to the objectives of the project?	LCA of the vehicle's FES made with traditional materials and technologies and the ones made of the new proposed solutions. A sensitivity analysis will be performed to analyse the effect of changing factors defined previously (e.g. materials, manufacturing/joining processes) in the environmental impacts of the overall process and each relevant category. The LCCA will also be performed with consideration of the possible business cases for the most promising materials and manufacturing technologies.
Type	What types of data will the project generate/collect?	Text, numerical values
Format	xlsx	☑
	docx	☑
	pptx	☑
	pdf	☑
	jpeg	☑
	opj	☐
	tiff	☐
	other	☐
	Name of other	
Volume	Expected size (… GB, …MB)	
IPR Owner	Ownership of Intellectual Property Rights	UNN
Re-use existing Data	yes	☑
	no	☐
	If yes, how will you use it?	Data from previous or existing projects
Beneficiary	To whom will the data be useful?	All partners
Keywords	The keywords associated with the dataset to optimize reuse possibilities	LCA and LCC
Version number	Will you provide clear version number to keep track of changes to the dataset?	☐ yes ☑ no

Table 15. Dataset 2.8

10.3DATASETS WP3

subject	remarks	content
Dataset	Number of Dataset	3.1
Dataset Name	e.g. Deliverable, CAE-design, material data, report, demonstrator, ...	Chracterisation inputs
Dataset Description	Brief description of the dataset.	Chracterisation and testing data
Responsible Partner	Dataset created by this partner	UNN
Ohter Involved Partners	Partners involved in the dataset	CTAG, CRF
Purpose	What is the purpose of the data collection/generation and its relation to the objectives of the project?	To ass develOped materials
Type	What types of data will the project generate/collect?	Experimental
Format	xlsx	☑
	docx	☑
	pptx	☑
	pdf	☑
	jpeg	☑
	opj	☐
	tiff	☐
	other	☐
	Name of other	
Volume	Expected size (... GB, ...MB)	Varies in GB
IPR Owner	Ownership of Intellectual Property Rights	Partners involved
Re-use existing Data	yes	☐
	no	☑
	If yes, how will you use it?	
Beneficiary	To whom will the data be useful?	Consortuim and other external stakeholders
Keywords	The keywords associated with the dataset to optimize reuse possibilities	
Version number	Will you provide clear version number to keep track of changes to the dataset?	☑ yes ☐ no

Table 16. Dataset 3.1

subject	remarks	content
Dataset	Number of Dataset	3.2
Dataset Name	e.g. Deliverable, CAE-design, material data, report, demonstrator, ...	The development and embedding of SMAs (for AC1)
Dataset Description	Brief description of the dataset.	materials data
Responsible Partner	Dataset created by this partner	UNN
Ohter Involved Partners	Partners involved in the dataset	tPE, FRA
Purpose	What is the purpose of the data collection/generation and its relation to the objectives of the project?	to develOp AC1
Type	What types of data will the project generate/collect?	materials design
Format	xlsx	☑
	docx	☑
	pptx	☑
	pdf	☑
	jpeg	☑
	opj	☐
	tiff	☐
	other	☐
	Name of other	
Volume	Expected size (... GB, ...MB)	Varies in GB
IPR Owner	Ownership of Intellectual Property Rights	Partners involved
Re-use existing Data	yes	☑
	no	☐
	If yes, how will you use it?	Know-how
Beneficiary	To whom will the data be useful?	Consortuim and other external stakeholders
Keywords	The keywords associated with the dataset to optimize reuse possibilities	
Version number	Will you provide clear version number to keep track of changes to the dataset?	☑ yes ☐ no

Table 17. Dataset 3.2

subject	remarks	content
Dataset	Number of Dataset	3.3
Dataset Name	e.g. Deliverable, CAE-design, material data, report, demonstrator, ...	Processing parameters of UD-tape
Dataset Description	Brief description of the dataset.	Processing parameters in draping of a new cfrp tape
Responsible Partner	Dataset created by this partner	FRA
Ohter Involved Partners	Partners involved in the dataset	tPE
Purpose	What is the purpose of the data collection/generation and its relation to the objectives of the project?	Ensuring the manufacturability of the demonstrator
Type	What types of data will the project generate/collect?	Experimental
Format	xlsx	☑
	docx	☑
	pptx	☑
	pdf	☑
	jpeg	☑
	opj	☐
	tiff	☐
	other	☐
	Name of other	
Volume	Expected size (... GB, ...MB)	100 MB
IPR Owner	Ownership of Intellectual Property Rights	FRA, tPE
Re-use existing Data	yes	☐
	no	☑
	If yes, how will you use it?	
Beneficiary	To whom will the data be useful?	all project partners
Keywords	The keywords associated with the dataset to optimize reuse possibilities	cfrp-tape, tape laying
Version number	Will you provide clear version number to keep track of changes to the dataset?	☑ yes ☐ no

Table 18. Dataset 3.3

subject	remarks	content
Dataset	Number of Dataset	3.4
Dataset Name	e.g. Deliverable, CAE-design, material data, report, demonstrator, ...	D3.5 (Optimized manufacturing processes)
Dataset Description	Brief description of the dataset.	Deliverable Information
Responsible Partner	Dataset created by this partner	ASAS
Ohter Involved Partners	Partners involved in the dataset	CRF, FRA, CID, tPE
Purpose	What is the purpose of the data collection/generation and its relation to the objectives of the project?	Deliverable
Type	What types of data will the project generate/collect?	Quantitative
Format	xlsx	☐
	docx	☑
	pptx	☐
	pdf	☐
	jpeg	☐
	opj	☐
	tiff	☐
	other	☐
	Name of other	
Volume	Expected size (... GB, ...MB)	50 MB
IPR Owner	Ownership of Intellectual Property Rights	ASAS
Re-use existing Data	yes	☐
	no	☑
	If yes, how will you use it?	
Beneficiary	To whom will the data be useful?	ASAS, CRF, FRA, TPE, CID
Keywords	The keywords associated with the dataset to optimize reuse possibilities	Open data, data portals, data interaction
Version number	Will you provide clear version number to keep track of changes to the dataset?	☑ yes ☐ no

Table 19. Dataset 3.4

subject	remarks	content
Dataset	Number of Dataset	3.5
Dataset Name	e.g. Deliverable, CAE-design, material data, report, demonstrator, ...	CAE-design (profile design)
Dataset Description	Brief description of the dataset.	Profile Design
Responsible Partner	Dataset created by this partner	ASAS
Ohter Involved Partners	Partners involved in the dataset	
Purpose	What is the purpose of the data collection/generation and its relation to the objectives of the project?	Extrusion oriented designing aluminium profiles
Type	What types of data will the project generate/collect?	Quantitative
Format	xlsx	☐
	docx	☐
	pptx	☐
	pdf	☐
	jpeg	☐
	opj	☐
	tiff	☐
	other	☑
	Name of other	.step
Volume	Expected size (... GB, ...MB)	200 MB
IPR Owner	Ownership of Intellectual Property Rights	ASAS
Re-use existing Data	yes	☑
	no	☐
	If yes, how will you use it?	Creating a database for use in future processes.
Beneficiary	To whom will the data be useful?	ASAS, CRF
Keywords	The keywords associated with the dataset to optimize reuse possibilities	
Version number	Will you provide clear version number to keep track of changes to the dataset?	☐ yes ☑ no

Table 20. Dataset 3.5

subject	remarks	content
Dataset	Number of Dataset	3.6
Dataset Name	e.g. Deliverable, CAE-design, material data, report, demonstrator, ...	Report (material tests)
Dataset Description	Brief description of the dataset.	Material test reports
Responsible Partner	Dataset created by this partner	ASAS
Ohter Involved Partners	Partners involved in the dataset	
Purpose	What is the purpose of the data collection/generation and its relation to the objectives of the project?	Deciding process parameters
Type	What types of data will the project generate/collect?	Quantitative
Format	xlsx	☐
	docx	☐
	pptx	☐
	pdf	☑
	jpeg	☐
	opj	☐
	tiff	☐
	other	☐
	Name of other	
Volume	Expected size (... GB, ...MB)	50 MB
IPR Owner	Ownership of Intellectual Property Rights	ASAS
Re-use existing Data	yes	☑
	no	☐
	If yes, how will you use it?	It aims to collect all data together in one document.
Beneficiary	To whom will the data be useful?	ASAS, CRF, TPE
Keywords	The keywords associated with the dataset to optimize reuse possibilities	Reuse prediction, data archiving
Version number	Will you provide clear version number to keep track of changes to the dataset?	☐ yes ☑ no

Table 21. Dataset 3.6

subject	remarks	content
Dataset	Number of Dataset	3.7
Dataset Name	e.g. Deliverable, CAE-design, material data, report, demonstrator, ...	material data (alloy data)
Dataset Description	Brief description of the dataset.	Alloy data, process parameters
Responsible Partner	Dataset created by this partner	ASAS
Ohter Involved Partners	Partners involved in the dataset	
Purpose	What is the purpose of the data collection/generation and its relation to the objectives of the project?	Deciding process parameters
Type	What types of data will the project generate/collect?	Quantitative, Qualitative
Format	xlsx	☑
	docx	☐
	pptx	☐
	pdf	☐
	jpeg	☐
	opj	☐
	tiff	☐
	other	☐
	Name of other	
Volume	Expected size (... GB, ...MB)	50 MB
IPR Owner	Ownership of Intellectual Property Rights	ASAS
Re-use existing Data	yes	☑
	no	☐
	If yes, how will you use it?	In the material data parti, data reuse is to be able to use for a new research purpose and analysis of data.
Beneficiary	To whom will the data be useful?	ASAS
Keywords	The keywords associated with the dataset to optimize reuse possibilities	Potential Reuse, inter-connected, data archiving, data science
Version number	Will you provide clear version number to keep track of changes to the dataset?	☐ yes ☑ no

Table 22. Dataset 3.7

subject	remarks	content
Dataset	Number of Dataset	3.8
Dataset Name	e.g. Deliverable, CAE-design, material data, report, demonstrator, ...	material data of new developed material (tape)
Dataset Description	Brief description of the dataset.	Material data, Processing data, properties of material
Responsible Partner	Dataset created by this partner	tPE
Ohter Involved Partners	Partners involved in the dataset	FRA, UNN, ASAS, CID, CRF, VIF, IDI
Purpose	What is the purpose of the data collection/generation and its relation to the objectives of the project?	Evaluation and selection of the best material developments
Type	What types of data will the project generate/collect?	experimental data in form of reports
Format	xlsx	☑
	docx	☑
	pptx	☑
	pdf	☑
	jpeg	☐
	opj	☐
	tiff	☐
	other	☐
	Name of other	
Volume	Expected size (... GB, ...MB)	MB
IPR Owner	Ownership of Intellectual Property Rights	tPE
Re-use existing Data	yes	☑
	no	☐
	If yes, how will you use it?	re-design of know-how
Beneficiary	To whom will the data be useful?	material producers, TIER
Keywords	The keywords associated with the dataset to optimize reuse possibilities	material development
Version number	Will you provide clear version number to keep track of changes to the dataset?	☑ yes ☐ no

Table 23. Dataset 3.8

subject	remarks	content
Dataset	Number of Dataset	3.9
Dataset Name	e.g. Deliverable, CAE-design, material data, report, demonstrator, …	Materials cards
Dataset Description	Brief description of the dataset.	Thermo-mechanical and fatigue properties of the materials
Responsible Partner	Dataset created by this partner	CID
Ohter Involved Partners	Partners involved in the dataset	ASAS, tPE
Purpose	What is the purpose of the data collection/generation and its relation to the objectives of the project?	Support the different simulations that will be carried out
Type	What types of data will the project generate/collect?	Report
Format	xlsx	☑
	docx	☑
	pptx	☐
	pdf	☐
	jpeg	☐
	opj	☐
	tiff	☐
	other	☐
	Name of other	
Volume	Expected size (… GB, …MB)	
IPR Owner	Ownership of Intellectual Property Rights	
Re-use existing Data	yes	☑
	no	☐
	If yes, how will you use it?	Simulations
Beneficiary	To whom will the data be useful?	
Keywords	The keywords associated with the dataset to optimize reuse possibilities	
Version number	Will you provide clear version number to keep track of changes to the dataset?	☐ yes ☐ no

Table 24. Dataset 3.9

subject	remarks	content
Dataset	Number of Dataset	3.10
Dataset Name	e.g. Deliverable, CAE-design, material data, report, demonstrator, ...	Sheet with experimental data of the materials and coupon join
Dataset Description	Brief description of the dataset.	
Responsible Partner	Dataset created by this partner	CRF
Ohter Involved Partners	Partners involved in the dataset	CEVO, FRA, UNN, IDI
Purpose	What is the purpose of the data collection/generation and its relation to the objectives of the project?	
Type	What types of data will the project generate/collect?	
Format	xlsx	☑
	docx	☑
	pptx	☑
	pdf	☑
	jpeg	☑
	opj	☐
	tiff	☐
	other	☑
	Name of other	Datasheet and Materials CARD
Volume	Expected size (... GB, ...MB)	
IPR Owner	Ownership of Intellectual Property Rights	
Re-use existing Data	yes	☐
	no	☐
	If yes, how will you use it?	
Beneficiary	To whom will the data be useful?	
Keywords	The keywords associated with the dataset to optimize reuse possibilities	
Version number	Will you provide clear version number to keep track of changes to the dataset?	☐ yes ☐ no

Table 25. Dataset 3.10

subject	remarks	content
Dataset	Number of Dataset	3.11
Dataset Name	e.g. Deliverable, CAE-design, material data, report, demonstrator, …	Methods of joining
Dataset Description	Brief description of the dataset.	Development of innovative joining methods for parts of the same and dissimilar materials
Responsible Partner	Dataset created by this partner	CID
Ohter Involved Partners	Partners involved in the dataset	CRF
Purpose	What is the purpose of the data collection/generation and its relation to the objectives of the project?	Develop joining methods to be applied in the manufacturing process
Type	What types of data will the project generate/collect?	Report
Format	xlsx	☐
	docx	☑
	pptx	☑
	pdf	☐
	jpeg	☐
	opj	☐
	tiff	☐
	other	☐
	Name of other	
Volume	Expected size (… GB, …MB)	
IPR Owner	Ownership of Intellectual Property Rights	
Re-use existing Data	yes	☑
	no	☐
	If yes, how will you use it?	FES manufacturing
Beneficiary	To whom will the data be useful?	
Keywords	The keywords associated with the dataset to optimize reuse possibilities	
Version number	Will you provide clear version number to keep track of changes to the dataset?	☐ yes ☐ no

Table 26. Dataset 3.11

subject	remarks	content
Dataset	Number of Dataset	3.12
Dataset Name	e.g. Deliverable, CAE-design, material data, report, demonstrator, ...	Research on induction welding
Dataset Description	Brief description of the dataset.	Report on the advances in induction welding of thermoplastic composites
Responsible Partner	Dataset created by this partner	CID
Ohter Involved Partners	Partners involved in the dataset	
Purpose	What is the purpose of the data collection/generation and its relation to the objectives of the project?	Investigate the induction welding of thermoplastic composites
Type	What types of data will the project generate/collect?	Report
Format	xlsx	☐
	docx	☑
	pptx	☐
	pdf	☐
	jpeg	☐
	opj	☐
	tiff	☐
	other	☐
	Name of other	
Volume	Expected size (... GB, ...MB)	
IPR Owner	Ownership of Intellectual Property Rights	
Re-use existing Data	yes	☑
	no	☐
	If yes, how will you use it?	FES manufacturing
Beneficiary	To whom will the data be useful?	
Keywords	The keywords associated with the dataset to optimize reuse possibilities	
Version number	Will you provide clear version number to keep track of changes to the dataset?	☐ yes ☐ no

Table 27. Dataset 3.12

subject	remarks	content
Dataset	Number of Dataset	3.13
Dataset Name	e.g. Deliverable, CAE-design, material data, report, demonstrator, ...	Joining methods
Dataset Description	Brief description of the dataset.	Analyse suitable joining methods for aluminium and cfrp
Responsible Partner	Dataset created by this partner	FRA
Ohter Involved Partners	Partners involved in the dataset	tPE, ASAS
Purpose	What is the purpose of the data collection/generation and its relation to the objectives of the project?	Ensure quality of the connection
Type	What types of data will the project generate/collect?	Report
Format	xlsx	☑
	docx	☑
	pptx	☑
	pdf	☑
	jpeg	☑
	opj	☐
	tiff	☐
	other	☐
	Name of other	
Volume	Expected size (... GB, ...MB)	100 MB
IPR Owner	Ownership of Intellectual Property Rights	involved partners
Re-use existing Data	yes	☐
	no	☑
	If yes, how will you use it?	
Beneficiary	To whom will the data be useful?	all project partners
Keywords	The keywords associated with the dataset to optimize reuse possibilities	joining, cfrp, aluminium
Version number	Will you provide clear version number to keep track of changes to the dataset?	☑ yes ☐ no

Table 28. Dataset 3.13

10.4DATASETS WP4

subject	remarks	content
Dataset	Number of Dataset	4.1
Dataset Name	e.g. Deliverable, CAE-design, material data, report, demonstrator, ...	demonstrator manufactured (report)
Dataset Description	Brief description of the dataset.	Report after finishing the joining of a demonstrator
Responsible Partner	Dataset created by this partner	FRA
Ohter Involved Partners	Partners involved in the dataset	CRF, UNN, CID, tPE, ASAS
Purpose	What is the purpose of the data collection/generation and its relation to the objectives of the project?	demonstrator for real crash tests
Type	What types of data will the project generate/collect?	Report
Format	xlsx	☑
	docx	☑
	pptx	☑
	pdf	☑
	jpeg	☑
	opj	☐
	tiff	☐
	other	☐
	Name of other	
Volume	Expected size (... GB, ...MB)	100 MB
IPR Owner	Ownership of Intellectual Property Rights	all partners
Re-use existing Data	yes	☐
	no	☑
	If yes, how will you use it?	
Beneficiary	To whom will the data be useful?	all project partners
Keywords	The keywords associated with the dataset to optimize reuse possibilities	demonstrator
Version number	Will you provide clear version number to keep track of changes to the dataset?	☑ yes ☐ no

Table 29. Dataset 4.1

subject	remarks	content
Dataset	Number of Dataset	4.2
Dataset Name	e.g. Deliverable, CAE-design, material data, report, demonstrator, …	Series cost estimation
Dataset Description	Brief description of the dataset.	approximate estimation of series costs
Responsible Partner	Dataset created by this partner	FRA
Ohter Involved Partners	Partners involved in the dataset	ETE, UNN, CTAG, ASAS, tPE, CRF, …
Purpose	What is the purpose of the data collection/generation and its relation to the objectives of the project?	Determination of competitiveness of the product
Type	What types of data will the project generate/collect?	Report
Format	xlsx	☑
	docx	☑
	pptx	☑
	pdf	☑
	jpeg	☑
	opj	☐
	tiff	☐
	other	☐
	Name of other	
Volume	Expected size (… GB, …MB)	5 MB
IPR Owner	Ownership of Intellectual Property Rights	all partners
Re-use existing Data	yes	☐
	no	☑
	If yes, how will you use it?	
Beneficiary	To whom will the data be useful?	all project partners
Keywords	The keywords associated with the dataset to optimize reuse possibilities	Series cost
Version number	Will you provide clear version number to keep track of changes to the dataset?	☑ yes ☐ no

Table 30. Dataset 4.2

subject	remarks	content
Dataset	Number of Dataset	4.3
Dataset Name	e.g. Deliverable, CAE-design, material data, report, demonstrator, ...	Material data (efficiencies, cost)
Dataset Description	Brief description of the dataset.	The results will be 'translated' into efficiencies and cost which can be achieved through upscaling to medium-high production volumes.
Responsible Partner	Dataset created by this partner	ETE
Ohter Involved Partners	Partners involved in the dataset	
Purpose	What is the purpose of the data collection/generation and its relation to the objectives of the project?	To analyse different scenarios to develop a economy of scale plan.
Type	What types of data will the project generate/collect?	Report
Format	xlsx	☐
	docx	☑
	pptx	☐
	pdf	☐
	jpeg	☐
	opj	☐
	tiff	☐
	other	☐
	Name of other	
Volume	Expected size (... GB, ...MB)	100MB
IPR Owner	Ownership of Intellectual Property Rights	OPEN to USE
Re-use existing Data	yes	☑
	no	☐
	If yes, how will you use it?	Decision making for strategic market positioning
Beneficiary	To whom will the data be useful?	all in SALIENT
Keywords	The keywords associated with the dataset to optimize reuse possibilities	Economy of Scale, Market, Production
Version number	Will you provide clear version number to keep track of changes to the dataset?	☑ yes ☐ no

Table 31. Dataset 4.3

10.5DATASETS WP5

subject	remarks	content
Dataset	Number of Dataset	5.1
Dataset Name	e.g. Deliverable, CAE-design, material data, report, demonstrator, ...	D5.2 Materials modelling and manufacturing process analysis
Dataset Description	Brief description of the dataset.	report, simulation data
Responsible Partner	Dataset created by this partner	UNN
Ohter Involved Partners	Partners involved in the dataset	CRF, CID, IDI, VIF, ASAS
Purpose	What is the purpose of the data collection/generation and its relation to the objectives of the project?	To facilitate manufacturing process
Type	What types of data will the project generate/collect?	simulations/FEA
Format	xlsx	☑
	docx	☑
	pptx	☑
	pdf	☑
	jpeg	☑
	opj	☐
	tiff	☐
	other	☑
	Name of other	FEM, CAE and CAD format (.dat, .inp, .key, .odb, .h3d ... .step, .igs
Volume	Expected size (... GB, ...MB)	Varies in LARGE GB
IPR Owner	Ownership of Intellectual Property Rights	Partners involved
Re-use existing Data	yes	☐
	no	☑
	If yes, how will you use it?	
Beneficiary	To whom will the data be useful?	Consortuim and other external stakeholders
Keywords	The keywords associated with the dataset to optimize reuse possibilities	
Version number	Will you provide clear version number to keep track of changes to the dataset?	☑ yes ☐ no

Table 32. Dataset 5.1

subject	remarks	content
Dataset	Number of Dataset	5.2
Dataset Name	e.g. Deliverable, CAE-design, material data, report, demonstrator, …	CAE Design (Multimaterial design)
Dataset Description	Brief description of the dataset.	
Responsible Partner	Dataset created by this partner	CRF
Ohter Involved Partners	Partners involved in the dataset	ViF, tPE, ASAS
Purpose	What is the purpose of the data collection/generation and its relation to the objectives of the project?	
Type	What types of data will the project generate/collect?	
Format	xlsx	☑
	docx	☑
	pptx	☑
	pdf	☑
	jpeg	☑
	opj	☐
	tiff	☑
	other	☑
	Name of other	FEM, CAE and CAD format (.dat, .inp, .key, .odb, .h3d … .step, .igs)
Volume	Expected size (… GB, …MB)	
IPR Owner	Ownership of Intellectual Property Rights	Intellectual propertiesm connnected with models and data of origins STELLANTS
Re-use existing Data	yes	☑
	no	☐
	If yes, how will you use it?	Reuse in CAE activities of the CRF
Beneficiary	To whom will the data be useful?	CRF and STELLANTIS
Keywords	The keywords associated with the dataset to optimize reuse possibilities	
Version number	Will you provide clear version number to keep track of changes to the dataset?	☑ yes ☐ no

Table 33. Dataset 5.2

subject	remarks	content
Dataset	Number of Dataset	5.3
Dataset Name	e.g. Deliverable, CAE-design, material data, report, demonstrator, ...	D5.3 Joining modelling techniques
Dataset Description	Brief description of the dataset.	report, simulation data
Responsible Partner	Dataset created by this partner	UNN
Ohter Involved Partners	Partners involved in the dataset	CRF, CID, IDI, VIF
Purpose	What is the purpose of the data collection/generation and its relation to the objectives of the project?	To facilitate joining process
Type	What types of data will the project generate/collect?	simulations/FEA
Format	xlsx	☑
	docx	☑
	pptx	☑
	pdf	☑
	jpeg	☑
	opj	☐
	tiff	☐
	other	☑
	Name of other	FEM, CAE and CAD format (.dat, .inp, .key, .odb, .h3d ... .step, .igs
Volume	Expected size (... GB, ...MB)	Varies in LARGE GB
IPR Owner	Ownership of Intellectual Property Rights	Partners involved
Re-use existing Data	yes	☐
	no	☑
	If yes, how will you use it?	
Beneficiary	To whom will the data be useful?	Consortuim and other external stakeholders
Keywords	The keywords associated with the dataset to optimize reuse possibilities	
Version number	Will you provide clear version number to keep track of changes to the dataset?	☑ yes ☐ no

Table 34. Dataset 5.3

subject	remarks	content
Dataset	Number of Dataset	5.4
Dataset Name	e.g. Deliverable, CAE-design, material data, report, demonstrator, ...	Performance simulation results
Dataset Description	Brief description of the dataset.	Structural dynamic, fatigue and compatibility behaviour simulations
Responsible Partner	Dataset created by this partner	CID
Ohter Involved Partners	Partners involved in the dataset	
Purpose	What is the purpose of the data collection/generation and its relation to the objectives of the project?	Analyse the performance of the designed FES
Type	What types of data will the project generate/collect?	Report
Format	xlsx	☐
	docx	☑
	pptx	☐
	pdf	☐
	jpeg	☐
	opj	☐
	tiff	☐
	other	☐
	Name of other	
Volume	Expected size (... GB, ...MB)	
IPR Owner	Ownership of Intellectual Property Rights	
Re-use existing Data	yes	☑
	no	☐
	If yes, how will you use it?	Virtual model correlation
Beneficiary	To whom will the data be useful?	
Keywords	The keywords associated with the dataset to optimize reuse possibilities	
Version number	Will you provide clear version number to keep track of changes to the dataset?	☐ yes ☐ no

Table 35. Dataset 5.4

subject	remarks	content
Dataset	Number of Dataset	5.5
Dataset Name	e.g. Deliverable, CAE-design, material data, report, demonstrator, ...	Prototypical modular simulation environment (Deliverable)
Dataset Description	Brief description of the dataset.	Documentation of the Modular Simulation Environment (MSE)
Responsible Partner	Dataset created by this partner	VIF
Ohter Involved Partners	Partners involved in the dataset	CID, UNN
Purpose	What is the purpose of the data collection/generation and its relation to the objectives of the project?	Specification of the MSE and documentation of the relevant interfaces for automatized setup of full vehicle models with different FES-Types.
Type	What types of data will the project generate/collect?	Report, Documents, Scripts (e.g. Python)
Format	xlsx	☑
	docx	☑
	pptx	☐
	pdf	☑
	jpeg	☐
	opj	☐
	tiff	☐
	other	☑
	Name of other	
Volume	Expected size (... GB, ...MB)	<50MB
IPR Owner	Ownership of Intellectual Property Rights	
Re-use existing Data	yes	☐
	no	☑
	If yes, how will you use it?	
Beneficiary	To whom will the data be useful?	VIF, CRF, UNN, CID, IDI
Keywords	The keywords associated with the dataset to optimize reuse possibilities	MSE specification
Version number	Will you provide clear version number to keep track of changes to the dataset?	☑ yes ☐ no

Table 36. Dataset 5.5

subject	remarks	content
Dataset	Number of Dataset	5.6
Dataset Name	e.g. Deliverable, CAE-design, material data, report, demonstrator, ...	Full vehicle simulation assessment in mixed accident scenarios (Deliverable)
Dataset Description	Brief description of the dataset.	Comprehensive crash simulations for Euro NCAP configurations and future mixed traffic accident scenarios including a wide range of crash angles on full-scale vehicle level for different FES-variants
Responsible Partner	Dataset created by this partner	VIF
Ohter Involved Partners	Partners involved in the dataset	CRF, UNN, CID, IDI
Purpose	What is the purpose of the data collection/generation and its relation to the objectives of the project?	Virtual Assessment of the different types of FES-components in extended crash configurations (Euro NCAP and extended mixed traffic scenarios) on full scale vehicle level
Type	What types of data will the project generate/collect?	Report, Documents
Format	xlsx	☐
	docx	☑
	pptx	☐
	pdf	☑
	jpeg	☐
	opj	☐
	tiff	☐
	other	☐
	Name of other	
Volume	Expected size (... GB, ...MB)	<50MB
IPR Owner	Ownership of Intellectual Property Rights	
Re-use existing Data	yes	☐
	no	☑
	If yes, how will you use it?	
Beneficiary	To whom will the data be useful?	All Partners
Keywords	The keywords associated with the dataset to optimize reuse possibilities	full scale simulations, strucural integrity assessment
Version number	Will you provide clear version number to keep track of changes to the dataset?	☑ yes ☐ no

Table 37. Dataset 5.6

subject	remarks	content
Dataset	Number of Dataset	5.7
Dataset Name	e.g. Deliverable, CAE-design, material data, report, demonstrator, ...	Full scale structural integrity and safety simulations results
Dataset Description	Brief description of the dataset.	Adapted demonstrator crash models with integrated FES-variants and result files
Responsible Partner	Dataset created by this partner	VIF
Ohter Involved Partners	Partners involved in the dataset	CRF, UNN, CID, IDI
Purpose	What is the purpose of the data collection/generation and its relation to the objectives of the project?	Joint evaluation of the compatibility and crash behavior of the different FES variants.
Type	What types of data will the project generate/collect?	Input decks, include-files, result files
Format	xlsx	☐
	docx	☐
	pptx	☐
	pdf	☐
	jpeg	☐
	opj	☐
	tiff	☐
	other	☑
	Name of other	LS Dyna-Input decks, Result Files (e.g. d3plot, BetaCAE META-Files)
Volume	Expected size (... GB, ...MB)	10GB-100GB
IPR Owner	Ownership of Intellectual Property Rights	
Re-use existing Data	yes	☐
	no	☑
	If yes, how will you use it?	
Beneficiary	To whom will the data be useful?	VIF, CRF, UNN, CID, IDI
Keywords	The keywords associated with the dataset to optimize reuse possibilities	input deck, simulation result file
Version number	Will you provide clear version number to keep track of changes to the dataset?	☑ yes ☐ no

Table 38. Dataset 5.7

subject	remarks	content
Dataset	Number of Dataset	5.8
Dataset Name	e.g. Deliverable, CAE-design, material data, report, demonstrator, ...	Joint, component and full-vehicle simulation assessment in mixed accident scenarios
Dataset Description	Brief description of the dataset.	Comprehensive crash simulations for Euro NCAP configurations and future mixed traffic accident scenarios including a wide range of crash angles on full-scale vehicle level for different FES-variants
Responsible Partner	Dataset created by this partner	IDI
Ohter Involved Partners	Partners involved in the dataset	VIF, CRF, UNN, CID
Purpose	What is the purpose of the data collection/generation and its relation to the objectives of the project?	Virtual Assessment of the different types of FES-components in extended crash configurations (Euro NCAP and extended mixed traffic scenarios) on full scale vehicle level
Type	What types of data will the project generate/collect?	Report, Documents
Format	xlsx	☐
	docx	☑
	pptx	☐
	pdf	☑
	jpeg	☐
	opj	☐
	tiff	☐
	other	☐
	Name of other	
Volume	Expected size (... GB, ...MB)	<50MB
IPR Owner	Ownership of Intellectual Property Rights	
Re-use existing Data	yes	☐
	no	☑
	If yes, how will you use it?	
Beneficiary	To whom will the data be useful?	All Partners
Keywords	The keywords associated with the dataset to optimize reuse possibilities	full scale simulations, strucural integrity assessment
Version number	Will you provide clear version number to keep track of changes to the dataset?	☑ yes ☐ no

Table 39. Dataset 5.8

subject	remarks	content
Dataset	Number of Dataset	5.9
Dataset Name	e.g. Deliverable, CAE-design, material data, report, demonstrator, …	Joint, component and full-vehicle structural integrity and safety simulations results
Dataset Description	Brief description of the dataset.	Adapted demonstrator crash models with integrated FES-variants and result files
Responsible Partner	Dataset created by this partner	IDI
Ohter Involved Partners	Partners involved in the dataset	VIF, CRF, UNN, CID
Purpose	What is the purpose of the data collection/generation and its relation to the objectives of the project?	Joint evaluation of the compatibility and crash behavior of the different FES variants.
Type	What types of data will the project generate/collect?	Input decks, include-files, result files
Format	xlsx	☐
	docx	☐
	pptx	☐
	pdf	☐
	jpeg	☐
	opj	☐
	tiff	☐
	other	☑
	Name of other	LS Dyna-Input decks, Result Files (e.g. d3plot, BetaCAE META-Files)
Volume	Expected size (… GB, …MB)	10GB-100GB
IPR Owner	Ownership of Intellectual Property Rights	
Re-use existing Data	yes	☐
	no	☑
	If yes, how will you use it?	
Beneficiary	To whom will the data be useful?	VIF, CRF, UNN, CID, IDI
Keywords	The keywords associated with the dataset to optimize reuse possibilities	input deck, simulation result file
Version number	Will you provide clear version number to keep track of changes to the dataset?	☑ yes ☐ no

Table 40. Dataset 5.9

10.6 DATASETS WP6

subject	remarks	content
Dataset	Number of Dataset	6.1
Dataset Name	e.g. Deliverable, CAE-design, material data, report, demonstrator, ...	EoL Report
Dataset Description	Brief description of the dataset.	Report of EoL options for the novel FES
Responsible Partner	Dataset created by this partner	CTAG
Ohter Involved Partners	Partners involved in the dataset	CRF, FRA, CEVO, ASAS
Purpose	What is the purpose of the data collection/generation and its relation to the objectives of the project?	Description of the FES treatment for recycling and reuse at the end-of-life
Type	What types of data will the project generate/collect?	Report
Format	xlsx	☐
	docx	☑
	pptx	☐
	pdf	☑
	jpeg	☐
	opj	☐
	tiff	☐
	other	☐
	Name of other	
Volume	Expected size (... GB, ...MB)	5 MB
IPR Owner	Ownership of Intellectual Property Rights	CTAG
Re-use existing Data	yes	☐
	no	☑
	If yes, how will you use it?	
Beneficiary	To whom will the data be useful?	Automotive OEMs, TIERs, material manufacturers, recyling companies
Keywords	The keywords associated with the dataset to optimize reuse possibilities	End-of-life, automotive, recycling, front-end
Version number	Will you provide clear version number to keep track of changes to the dataset?	☑ yes ☐ no

Table 41. Dataset 6.1

subject	remarks	content
Dataset	Number of Dataset	6.2
Dataset Name	e.g. Deliverable, CAE-design, material data, report, demonstrator, ...	Report on component and assembly testing
Dataset Description	Brief description of the dataset.	
Responsible Partner	Dataset created by this partner	CRF
Ohter Involved Partners	Partners involved in the dataset	IDI, CTAG, FRA, ASAS
Purpose	What is the purpose of the data collection/generation and its relation to the objectives of the project?	
Type	What types of data will the project generate/collect?	
Format	xlsx	☑
	docx	☑
	pptx	☑
	pdf	☑
	jpeg	☑
	opj	☐
	tiff	☑
	other	☑
	Name of other	FEM, CAE and CAD format (.dat, .inp, .key, .odb, .h3d ... .step, .igs)
Volume	Expected size (... GB, ...MB)	
IPR Owner	Ownership of Intellectual Property Rights	Intellectual propertiesm connnected with models and data of origins STELLANTS
Re-use existing Data	yes	☑
	no	☐
	If yes, how will you use it?	Reuse in CAE activities of the CRF
Beneficiary	To whom will the data be useful?	CRF and STELLANTIS
Keywords	The keywords associated with the dataset to optimize reuse possibilities	
Version number	Will you provide clear version number to keep track of changes to the dataset?	☑ yes ☐ no

Table 42. Dataset 6.2

subject	remarks	content
Dataset	Number of Dataset	6.3
Dataset Name	e.g. Deliverable, CAE-design, material data, report, demonstrator, ...	Axial crush test
Dataset Description	Brief description of the dataset.	Axial crush test results
Responsible Partner	Dataset created by this partner	CID
Ohter Involved Partners	Partners involved in the dataset	CTAG
Purpose	What is the purpose of the data collection/generation and its relation to the objectives of the project?	Analyze the performance of thecomponents that will be developed during WP4
Type	What types of data will the project generate/collect?	Report
Format	xlsx	☐
	docx	☑
	pptx	☐
	pdf	☐
	jpeg	☐
	opj	☐
	tiff	☐
	other	☐
	Name of other	
Volume	Expected size (... GB, ...MB)	
IPR Owner	Ownership of Intellectual Property Rights	
Re-use existing Data	yes	☐
	no	☐
	If yes, how will you use it?	
Beneficiary	To whom will the data be useful?	
Keywords	The keywords associated with the dataset to optimize reuse possibilities	
Version number	Will you provide clear version number to keep track of changes to the dataset?	☐ yes ☐ no

Table 43. Dataset 6.3

subject	remarks	content
Dataset	Number of Dataset	6.4
Dataset Name	e.g. Deliverable, CAE-design, material data, report, demonstrator, ...	MPDB crash test
Dataset Description	Brief description of the dataset.	MPDB crash test results
Responsible Partner	Dataset created by this partner	CID
Ohter Involved Partners	Partners involved in the dataset	
Purpose	What is the purpose of the data collection/generation and its relation to the objectives of the project?	Anlayze the crashworthiness of the designed FES
Type	What types of data will the project generate/collect?	Report
Format	xlsx	☐
	docx	☑
	pptx	☐
	pdf	☐
	jpeg	☐
	opj	☐
	tiff	☐
	other	☐
	Name of other	
Volume	Expected size (... GB, ...MB)	
IPR Owner	Ownership of Intellectual Property Rights	
Re-use existing Data	yes	☐
	no	☐
	If yes, how will you use it?	
Beneficiary	To whom will the data be useful?	
Keywords	The keywords associated with the dataset to optimize reuse possibilities	
Version number	Will you provide clear version number to keep track of changes to the dataset?	☐ yes ☐ no

Table 44. Dataset 6.4

subject	remarks	content
Dataset	Number of Dataset	6.5
Dataset Name	e.g. Deliverable, CAE-design, material data, report, demonstrator, ...	Full compatibility assessment
Dataset Description	Brief description of the dataset.	Full compatibility assessment results
Responsible Partner	Dataset created by this partner	CID
Ohter Involved Partners	Partners involved in the dataset	
Purpose	What is the purpose of the data collection/generation and its relation to the objectives of the project?	Evaluate the vehicle compatibility
Type	What types of data will the project generate/collect?	Report
Format	xlsx	☐
	docx	☑
	pptx	☐
	pdf	☐
	jpeg	☐
	opj	☐
	tiff	☐
	other	☐
	Name of other	
Volume	Expected size (... GB, ...MB)	
IPR Owner	Ownership of Intellectual Property Rights	
Re-use existing Data	yes	☐
	no	☐
	If yes, how will you use it?	
Beneficiary	To whom will the data be useful?	
Keywords	The keywords associated with the dataset to optimize reuse possibilities	
Version number	Will you provide clear version number to keep track of changes to the dataset?	☐ yes ☐ no

Table 45. Dataset 6.5

subject	remarks	content
Dataset	Number of Dataset	6.6
Dataset Name	e.g. Deliverable, CAE-design, material data, report, demonstrator, ...	3-point bending test
Dataset Description	Brief description of the dataset.	Report with 3-point bending test results
Responsible Partner	Dataset created by this partner	IDI
Ohter Involved Partners	Partners involved in the dataset	
Purpose	What is the purpose of the data collection/generation and its relation to the objectives of the project?	Material card estimation
Type	What types of data will the project generate/collect?	Report
Format	xlsx	☐
	docx	☑
	pptx	☑
	pdf	☑
	jpeg	☐
	opj	☐
	tiff	☐
	other	☐
	Name of other	
Volume	Expected size (... GB, ...MB)	<50MB
IPR Owner	Ownership of Intellectual Property Rights	
Re-use existing Data	yes	☐
	no	☑
	If yes, how will you use it?	
Beneficiary	To whom will the data be useful?	All partners
Keywords	The keywords associated with the dataset to optimize reuse possibilities	3-point bending test
Version number	Will you provide clear version number to keep track of changes to the dataset?	☑ yes ☐ no

Table 46. Dataset 6.6

subject	remarks	content
Dataset	Number of Dataset	6.7
Dataset Name	e.g. Deliverable, CAE-design, material data, report, demonstrator, ...	Demonstrator trolley for Oblique MPDB
Dataset Description	Brief description of the dataset.	Demonstrator trolley
Responsible Partner	Dataset created by this partner	IDI
Ohter Involved Partners	Partners involved in the dataset	
Purpose	What is the purpose of the data collection/generation and its relation to the objectives of the project?	MPDB crash test performance for compatibility assessment
Type	What types of data will the project generate/collect?	Demonstrator
Format	xlsx	☐
	docx	☐
	pptx	☐
	pdf	☐
	jpeg	☐
	opj	☐
	tiff	☐
	other	☑
	Name of other	Physical trolley
Volume	Expected size (... GB, ...MB)	<50MB
IPR Owner	Ownership of Intellectual Property Rights	
Re-use existing Data	yes	☐
	no	☑
	If yes, how will you use it?	
Beneficiary	To whom will the data be useful?	CID
Keywords	The keywords associated with the dataset to optimize reuse possibilities	Oblique MPDB
Version number	Will you provide clear version number to keep track of changes to the dataset?	☑ yes ☐ no

Table 47. Dataset 6.7

10.7DATASETS WP7

subject	remarks	content
Dataset	Number of Dataset	7.1
Dataset Name	e.g. Deliverable, CAE-design, material data, report, demonstrator, ...	Characterisation of KERs
Dataset Description	Brief description of the dataset.	For each KER, description in terms of owners, partners involved, content, customers, risk assessment
Responsible Partner	Dataset created by this partner	BAX
Ohter Involved Partners	Partners involved in the dataset	All partners
Purpose	What is the purpose of the data collection/generation and its relation to the objectives of the project?	To facilitate the exploitation of results after project's end
Type	What types of data will the project generate/collect?	Text, numerical values
Format	xlsx	☑
	docx	☑
	pptx	☑
	pdf	☑
	jpeg	☑
	opj	☐
	tiff	☐
	other	☐
	Name of other	
Volume	Expected size (... GB, ...MB)	< 100 MB
IPR Owner	Ownership of Intellectual Property Rights	All partners
Re-use existing Data	yes	☐
	no	☐
	If yes, how will you use it?	
Beneficiary	To whom will the data be useful?	All partners
Keywords	The keywords associated with the dataset to optimize reuse possibilities	KER
Version number	Will you provide clear version number to keep track of changes to the dataset?	☑ yes ☐ no

Table 48. Dataset 7.1

subject	remarks	content
Dataset	Number of Dataset	7.2
Dataset Name	e.g. Deliverable, CAE-design, material data, report, demonstrator, ...	Characterisation of KERs - IPR
Dataset Description	Brief description of the dataset.	Patent analysis
Responsible Partner	Dataset created by this partner	BAX
Ohter Involved Partners	Partners involved in the dataset	
Purpose	What is the purpose of the data collection/generation and its relation to the objectives of the project?	IPR management strategy
Type	What types of data will the project generate/collect?	Text, numerical values
Format	xlsx	☑
	docx	☑
	pptx	☑
	pdf	☑
	jpeg	☑
	opj	☐
	tiff	☐
	other	☐
	Name of other	
Volume	Expected size (... GB, ...MB)	< 100 MB
IPR Owner	Ownership of Intellectual Property Rights	BAX
Re-use existing Data	yes	☑
	no	☐
	If yes, how will you use it?	Patent scope
Beneficiary	To whom will the data be useful?	All partners
Keywords	The keywords associated with the dataset to optimize reuse possibilities	IPR
Version number	Will you provide clear version number to keep track of changes to the dataset?	☑ yes ☐ no

Table 49. Dataset 7.2

subject	remarks	content
Dataset	Number of Dataset	7.3
Dataset Name	e.g. Deliverable, CAE-design, material data, report, demonstrator, ...	Liaison with other projects
Dataset Description	Brief description of the dataset.	Description of how SALIENT will connect with other projects and related initiatives
Responsible Partner	Dataset created by this partner	BAX
Ohter Involved Partners	Partners involved in the dataset	CTAG, FRA
Purpose	What is the purpose of the data collection/generation and its relation to the objectives of the project?	To support the development of T7.4
Type	What types of data will the project generate/collect?	
Format	xlsx	☑
	docx	☑
	pptx	☑
	pdf	☑
	jpeg	☑
	opj	☐
	tiff	☐
	other	☐
	Name of other	
Volume	Expected size (... GB, ...MB)	< 100 MB
IPR Owner	Ownership of Intellectual Property Rights	BAX, CTAG, FRA
Re-use existing Data	yes	☑
	no	☐
	If yes, how will you use it?	Existing projects that SALIENT would connect to
Beneficiary	To whom will the data be useful?	All partners
Keywords	The keywords associated with the dataset to optimize reuse possibilities	Liaison
Version number	Will you provide clear version number to keep track of changes to the dataset?	☐ yes ☑ no

Table 50. Dataset 7.3

subject	remarks	content
Dataset	Number of Dataset	7.4
Dataset Name	e.g. Deliverable, CAE-design, material data, report, demonstrator, ...	Publications and conference presentaions
Dataset Description	Brief description of the dataset.	Papers and PPTs
Responsible Partner	Dataset created by this partner	UNN
Ohter Involved Partners	Partners involved in the dataset	All
Purpose	What is the purpose of the data collection/generation and its relation to the objectives of the project?	Dissemination
Type	What types of data will the project generate/collect?	Papers
Format	xlsx	☑
	docx	☑
	pptx	☑
	pdf	☑
	jpeg	☑
	opj	☐
	tiff	☐
	other	☐
	Name of other	
Volume	Expected size (... GB, ...MB)	Varies in GB
IPR Owner	Ownership of Intellectual Property Rights	Partners involved
Re-use existing Data	yes	☐
	no	☑
	If yes, how will you use it?	
Beneficiary	To whom will the data be useful?	Consortuim and other external stakeholders
Keywords	The keywords associated with the dataset to optimize reuse possibilities	
Version number	Will you provide clear version number to keep track of changes to the dataset?	☑ yes ☐ no

Table 51. Dataset 7.4

10.8 DATASETS WP8

subject	remarks	content
Dataset	Number of Dataset	8.1
Dataset Name	e.g. Deliverable, CAE-design, material data, report, demonstrator, ...	Innovation management report and monitoring
Dataset Description	Brief description of the dataset.	To support innovation functions, ancho innovation efforts, IB report to the PMT
Responsible Partner	Dataset created by this partner	BAX
Ohter Involved Partners	Partners involved in the dataset	
Purpose	What is the purpose of the data collection/generation and its relation to the objectives of the project?	To support the development of T8.5
Type	What types of data will the project generate/collect?	
Format	xlsx	☑
	docx	☑
	pptx	☑
	pdf	☑
	jpeg	☑
	opj	☐
	tiff	☐
	other	☐
	Name of other	
Volume	Expected size (... GB, ...MB)	< 100 MB
IPR Owner	Ownership of Intellectual Property Rights	All partners
Re-use existing Data	yes	☑
	no	☐
	If yes, how will you use it?	Data coming from the partners for the report
Beneficiary	To whom will the data be useful?	All partners
Keywords	The keywords associated with the dataset to optimize reuse possibilities	Innovation management
Version number	Will you provide clear version number to keep track of changes to the dataset?	☑ yes ☐ no

Table 52. Dataset 8.1

subject	remarks	content
Dataset	Number of Dataset	8.2
Dataset Name	e.g. Deliverable, CAE-design, material data, report, demonstrator, ...	Mangament reports
Dataset Description	Brief description of the dataset.	Report and guides
Responsible Partner	Dataset created by this partner	UNN
Ohter Involved Partners	Partners involved in the dataset	All
Purpose	What is the purpose of the data collection/generation and its relation to the objectives of the project?	Management
Type	What types of data will the project generate/collect?	Reports
Format	xlsx	☑
	docx	☑
	pptx	☑
	pdf	☑
	jpeg	☑
	opj	☐
	tiff	☐
	other	☐
	Name of other	
Volume	Expected size (... GB, ...MB)	Varies in MB
IPR Owner	Ownership of Intellectual Property Rights	Partners involved
Re-use existing Data	yes	☐
	no	☑
	If yes, how will you use it?	
Beneficiary	To whom will the data be useful?	Consortuim and other external stakeholders
Keywords	The keywords associated with the dataset to optimize reuse possibilities	
Version number	Will you provide clear version number to keep track of changes to the dataset?	☑ yes ☐ no

Table 53. Dataset 8.2

10.9 TEMPLATE QUESTIONNAIRE

Data Management Plan Questionnaire (Part 1)

Partner

to fill in

Dataset	remarks	Dataset - List of Partner							
	Number of Dataset	1	2	3	4	5	6	7	...
Work Package	Number of Work Package								
Dataset Name	e.g. Deliverable, CAE-design, material data, report, demonstrator, ...								
Dataset Description	Brief description of the dataset.								
Partners	Partners involved in the dataset								
Purpose	What is the purpose of the data collection/generation and its relation to the objectives of the project?								
Type	What types of data will the project generate/collect?								
Format	xlsx	☐	☐	☐	☐	☐	☐	☐	☐
	docx	☐	☐	☐	☐	☐	☐	☐	☐
	pptx	☐	☐	☐	☐	☐	☐	☐	☐
	pdf	☐	☐	☐	☐	☐	☐	☐	☐
	jpeg	☐	☐	☐	☐	☐	☐	☐	☐
	opj	☐	☐	☐	☐	☐	☐	☐	☐
	tiff	☐	☐	☐	☐	☐	☐	☐	☐
	other	☐	☐	☐	☐	☐	☐	☐	☐
	Name of other								
Volume	Expected size (... GB, ...MB)								
IPR Owner	Ownership of Intellectual Property Rights								
Re-use existing Data	yes	☐	☐	☐	☐	☐	☐	☐	☐
	no	☐	☐	☐	☐	☐	☐	☐	☐
	If yes, how will you use it?								
Beneficiary	To whom will the data be useful?								
Keywords	The keywords associated with the dataset to optimize reuse possibilities								
Version number	Will you provide clear version number to keep track of changes to the dataset?	☐ yes ☐ no	☐ yes ☐ no	☐ yes ☐ no	☐ yes ☐ no	☐ yes ☐ no	☐ yes ☐ no	☐ yes ☐ no	☐ yes ☐ no

Partner	0

Data Management Plan Questionnaire (Part 2)

FAIR data (Findable, Accessible, Interoperable, Re-usable)

to fill in

1. Making data findable

a) Are the datasets your organization generated/collected discoverable with metadata, identifiable and locatable by means of a standard identification mechanism (e.g. Digital Object Identifiers?)

b) Does your industry use any standards to identify for this type of datasets?

- ☐ yes
- ☐ no

1. If yes, which ones?

2. If no, what metadata do you suggest? Please outline what type of metadata will be created and how.

c) What would be your company's approach to data versioning (i.e. tracking data changes)?

d) What naming conventions do you follow?

2. Data accessibility

a) Which data produced and/or used in the project can be shared publicly or can be shared under certain conditions?

In case you have more than one data set, feel free to duplicate the table below. However, if the datasets share the same characteristics, simply write down the name of the datasets in the same box.

Dataset	
Status	☐ can be shared publicly ☐ can't be shared ☐ shareable under certain restrictions
Reason	(Please separate legal and contractual reasons from voluntary restrictions)
Access	Access for the consortium; What is the accessibility within the consortium?

b) For the datasets which can be publicly shared, please fill the table below.

In case you have more than one data set, feel free to duplicate the table below. However, if the datasets share the same characteristics, simply write down the name of the datasets in the same box.

Dataset	
How to access	How will the data be made accessible (e.g. by deposition in a repository)?
Methods/ Software needed	Is any specific method or software needed in order to access this dataset? ☐ yes ☐ no
	If yes, what are they?
	If any, is it possible to include the software as an open source code or similar?
Data storage	Where will the data, metadata and code be stored? Fordatis, OpenAIRE, …

3. Data interoperability and re-usability

a) Are the data produced in the project interoperable, that is allowing data exchange and re-use between researchers, institutions, organisations, countries, etc.?

b) Are there some data produced or retrieved during the project which will be available for re-use for third parties?

Partner	0

Data Management Plan Questionnaire (Part 3)

Others

to fill in

Allocation of ressources

a) Did you plan a budget for data accessibility (such as publication fees in open access journals) in the project budget?

☐ yes
☐ no

b) Long-term preservation of the data:

1. Did you plan resources for long term preservation of the data, even after the end of the project?

☐ yes
☐ no

2. Who decides what data to keep?

3. For how long?

Data Security

What provisions are in place for data security within your organisation?

Ethical Aspects

a) Are there any ethical or legal issues that can have an impact on data sharing?

b) Is informed consent for data sharing and long-term preservation included in questionnaires dealing with personal data (if applicable)?

☐ yes
☐ no
☐ not applicable

c) Do you make use of other national/funder/sectorial/departmental procedures for data management?

☐ yes
☐ no

If yes, which ones?

Others

Do you have any query or recommendation for SALIENT Data Management Plan?

