Project Title	GLycerol to Aviation and Marine prOducts with sUstainable Recycling
Project Type:	RIA Research and Innovation Action
Project Acronym	GLAMOUR
Grant Agreement No.	884197
Duration	48 months
Project Start Date	01-05-2020

[D1.1] Project Management Plan updated at M42

WP n° and title	WP1 – Management
Responsible Author(s)	UNIMAN
Contributor(s)	All partners
Dissemination Level	PU

This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 884197

DELIVERABLE INFORMATION

Status (F: final; D: draft; RD: revised draft):	final
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Actual delivery date	20/10/2022 (M30)
Dissemination level: (PU = Public; PP = Restricted to other program participants; RE = Restricted to a group specified by the consortium; CO = Confidential, only for members of the consortium)	PU
Type: Report, Website, Other, Ethics	others

DOCUMENT HISTORY

Version	Date (DD/MM/YYYY)	Created/Amended by	Changes
01	14/09/2023	Vincenzo Spallina	1st Draft
02			
03			

QUALITY CHECK REVIEW

Reviewer (s)	Main changes

LIST OF CONTENTS

1. List Of Abbreviations And Definitions

Abbreviation	Definition
AB	Advisory Board
CA	Consortium Agreement
DoA	Description of Action
EB	Executive Board
EC	European Commission
EDM	Exploitation and Dissemination Manager
GA	Grant Agreement
H2020	Horizon 2020
IM	Innovation Manager
IPR	Intellectual Property Right
KER	Key Exploitable Results
PC	Project Coordinator
PTM	Project Technical Manager

2. Executive Summary

This deliverable is the updated version of the Deliverable D1.1 on Project Management Plan after the first review meeting to be submitted by M42. As in previous cases, it regulates the consortium operating procedures summarising all the required knowledge for the good management of the project (in terms of administrative forms, financial aspects, quality process...).
This document will update the following sections in case changes have occurred during the project:

- Provide the necessary framework for a successful project management and monitoring;
- Define clear and measurable performance indicators and identifiable deliverables;
- Establish the guidelines for financial reporting, presentation standards for deliverables and reports;
- Define classified information and guarantee the maintenance of the chain of custody;
- Include an internal review procedure to guarantee the quality of the results of the project;
- Include an internal communications framework that provides clear, informative and engaging two-way communications that are planned and effectively link together the key messages;

This document is based on the terms and conditions established in the Grant Agreement (GA) and its Annexes, as well as in the Consortium Agreement (CA).

3. Management Structure

3.1 Organisation structure and decision-making

Project Management deals with the governance structure, the role and responsibilities of the various actors and the contract with the EC. It includes the overall management, communication and coordination between the different partners, as well as the monitoring of the scientific and technical progress of the entire project, by means of the supervision of the achieved milestones, the management of the risks and establishment of contingency plans, gender equity, and other non-technical aspects. It also provides outputs for knowledge management and other innovation related activities, such as Intellectual Property Rights (IPR) and dissemination.

The overall structure of the project is reported in Figure 1.

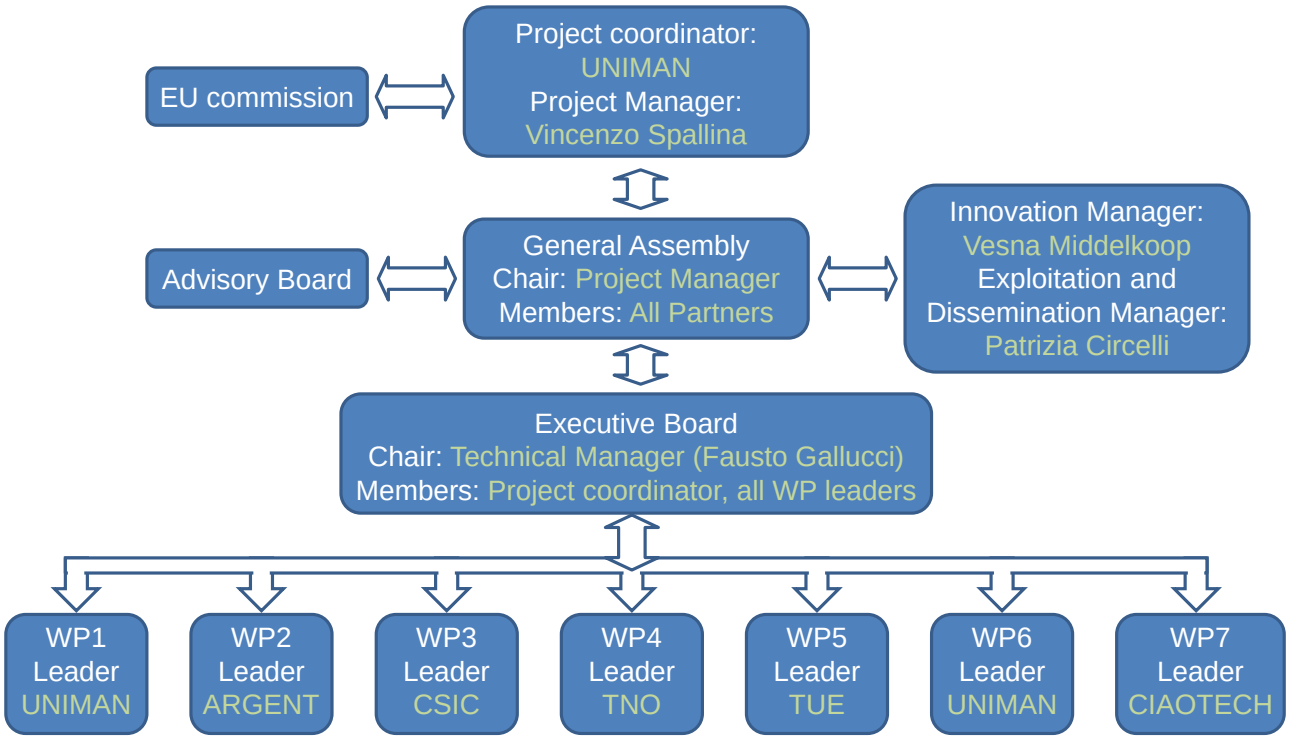

Figure 1: Project management structure

3.1 Project Coordinator

The Project Coordinator (PC) of the H2020 GLAMOUR is the University of Manchester. The main responsibility is to ensure the timely and effective overall progress of the project according to the Contract. The Project Manager (PM) is appointed by the Project Coordinator. The PM chairs the General Assembly, and has primarily the following roles:

- Ensure the timely and effective overall progress of the project
- Interface between the consortium and the EC, dealing also with contractual, administrative and financial matters in addition to overall responsibility for project progress reporting. Circulation of respective information and communications. The PC will communicate with the EC on behalf of the consortium.

- Organisation of General Assembly meetings, project reviews and co-ordination of dissemination and exploitation events (in association with the Project Technical Manager and the Exploitation and Dissemination Manager).
- Manage all the aspects connected with payment of financial contributions.

The Project Manager of GLAMOUR is Dr. Vincenzo Spallina from the University of Manchester. The Project Manager is supported by the University of Manchester research and financial department, which has a large experience in the coordination of collaborative projects.

3.2 General Assembly

The role of the General Assembly is to make decisions concerning any important top-level management issues. It will include the Project manager and senior project representatives from each partner together with the Project Technical Manager, the Project Exploitation and Dissemination Manager.

3.3 Executive Board

The role of the Executive Board (EB) is to take decisions concerning any important technical issues arising. This function is chaired by the Project Technical Manager (PTM) and will include all work package leaders (WPL). The main responsibility of the EB is to manage all the technical activities outlined in the project's work plan and is responsible for the day-to-day liaison between consortium partners to consolidate inputs into project planning, progress monitoring and technical milestone reporting (via PTM reported to the General Assembly). The PTM will be Prof. Fausto Gallucci, from TUE. The PTM will be supported by the PM (leader of WP1).

Role	*Partner*	*Name*
PM and WP1 leader	UNIMAN	Vincenzo Spallina
PTM	TUE	Fausto Gallucci
WP2 leader	ARGENT	Martin Kingsley
WP3 leader	CSIC	Gemma Grasa
WP4 leader	TNO	Sander Grootjes
WP5 leader	TUE	Fernanda Neira D'Angelo
WP6 leader	UNIMAN	Adisa Azapagic
WP7 leader	CIAOTECH	Patrizia Circelli

3.4 Innovation, Exploitation & Dissemination Team

The Innovation Manager (IM) coordinates all the activities which could lead to potential innovation with respect to the existing know-how in particular with respect to the potential industrial innovation including technology breakthrough and novel manufacturing routes. The IM is responsible of continuously updating the Innovation Management Plan and verifies the current status, anticipating any potential IPR and seek for synergies with existing national and international projects (such research workshops and training. The Exploitation and Dissemination Manager (EDM) coordinates

all exploitation activities and the dissemination activities. The EDM is responsible for the exploitation plan and follows up on this plan, coordinating exploitation activities across partners, as well as dissemination plan, communication, the project web site, cooperation platforms (wiki, project repository, mailing lists), and other communication mechanisms. The IM is Dr. Vesna Middelkoop (VITO) and the EDM is Dr. Patrizia Circelli (CIAOTECH).

3.5 Advisory Board

An Advisory Board (AB) is created with respected members of the target audience and market, in order to receive advice during the project lifetime. Different organizations have already defined their interest in GLAMOUR. The members of the Advisory Board are Alvaro Amieiro (Johnson Matthey), Oskar Meijerink (SKYNRG) and Camel Makhloufi (formerly ENGIE Lab CRIGEN, now EIT InnoEnergy).

3.6 Consortium Agreement

The Consortium Agreement (CA) has been signed by the project partners the 1st of June 2020 by all the partners and it has been already circulated among the consortium. The CA details the organisational, financial and exploitation-related issues including decision-making rules, agreements and conditions in relation with (background and foreground) Intellectual Property Rights (IPR). Any modification to the CA needs the approval of the General Assembly. No changes have occurred from the past version.

4. Project Implementation

4.1 Administration, Contracting and Financial report

The Project Coordinator assesses the project progress and the resource consumption information from all partners. To guarantee an effective implementation the PC is in charge of:

- Submitting official Periodic reports (M17, M31, M48), deliverables and amendment requests to the European Commission;
- Managing the delivery and the follow-up of administrative and financial documents;
- Being a permanent contact point for all the partners regarding, responding to any relevant requests;
- Managing the changes in the Grant Agreement (GA) and in the Consortium Agreement (CA) in collaboration with the Exploitation and Dissemination Manager (with General Assembly approval);

Financial reporting: The PC will take the necessary measures to ensure the appropriate use of European Commission grant between the participants by providing a time schedule (defined in the CA) for the transfer of funds allocated by the EC within the *Consortium* and between activities in accordance with the contract and the decisions taken by the General Assembly. It will ensure that all the appropriate payments are made to contractors in accordance with the Consortium Agreement, without unjustified delay.

The PC will notify the due dates for financial reporting, will provide support for the completion of the financial reports (and audit certificates if relevant) and will collect the documents for submission to EC services.

4.2 Project meetings

Project meetings are an integral part of the communication strategy. It has been planned a project Kick-off Meeting, 6 monthly WP meetings, 6 monthly Project Technical Committee meetings (one teleconference/skype meeting in between) and General Assembly twice a year. The WP members will also organise a teleconference when required to discuss any technical issues arisen during the period. Any controversial discussion will be firstly discussed with the Technical Manager and the Project Manager who are responsible to mitigate the risks and decide the actions to be taken.

A list of contacts of partners involved in each WP, financial and legal contacts will be drafted and included in the private area and continuously updates along the project life.

Executive Board meeting**:**

- Frequency: every 6 months at the end of the project meeting and when required (suggested every 3 months)
- Attendees: Technical Manager, WP leaders, Project Coordinator and Dissemination and Exploitation Manager.
- Agenda: reporting of WP progress, follow-up of deliverables & milestones, technical reporting.

The WP leaders will follow-up the progress of their respective WPs on a regular basis via phone & mail with the partners. Consortium meeting will be organised every 6 months. Additional meetings will be organized when needed by the corresponding WP leader or partners.

4.3 Internal communication

The PC administrates the internal communication means and processes to constantly inform the partners about the project developments and help the partners in their activities and decision-making process. An internet private platform dedicated to the management and internal communication has been implemented. This platform is hosted by Innovation Place (https://www.innovationplace.eu/) which is owned by CIAOTECH and updated under their responsibility. The platform is confidential, secure and accessible by all partners via the Innovation Place website or the 'Private area' of the GLAMOUR website. The tool is used for:

- Storing and exchanging project common documents, templates;
- Creating mailing lists reaching the different managing bodies of the project (i.e., organize meetings, etc.);
- Forum & Comments' will be used to inform all partners during the project.

A second platform has been created and hosted by University of Manchester using Microsoft TEAMS.

5. Risk Management

Every effort will be made by WP leaders and to proactively identify risks ahead of time, in order to implement a mitigation strategy to take the necessary steps to implement the mitigation response at the appropriate time during the schedule.
The PC will follow and assess the progress of the project implementation on the basis of information provided upon monthly video meetings with WP leaders and/or WP representatives.
Each task leader monitors and validates progress on tasks and deliverables. Any issues, concerns, or updates that arise from informal discussion between team members must be communicated to the Project Manager so the appropriate action may be taken.

Following the main risks related to the management can be identified. The updated detailed list has been defined at the beginning of the project and monitored/updated along the project life and submitted in the D1.4 Risk Management Plan. A risk register will also be created, monitored and continuously updated by the Project Manager.

6. Control of the Deliverables

Each partner should deliver on time to the Project Manager the Deliverables which he is responsible for.
The internal approval of the deliverables is considered done after the successful completion of the quality control which is carried out by another partner of the project who is not directly involved in the preparation of the deliverable. The final approval of the deliverable lies to the Project Manager and the Project Coordinator.
The Project Coordinator submits the deliverables to the European Commission after its internal approval.

Table 1: Delivarable list

WP No	Del. No	Title	Lead Beneficiary	Dissemination Level	Est. Del. Date	Rev. Due Date	Receipt Date	Status
WP1	D1.1	Project Management Plan	UNIMAN	PU	30 Jun 2020	31 Oct 2023	01 Dec 2022	Approved
WP1	D1.2	Project Internet Platform	UNIMAN	CO	31 Oct 2020		31 Oct 2020	Approved
WP1	D1.3	Set of Project templates (i.e., agenda, deliverables, cost follow-up, reporting…)	UNIMAN	CO	31 Oct 2020		31 Oct 2020	Approved
WP1	D1.4	Risk management plan	UNIMAN	CO	31 Oct 2020	31 Oct 2023	01 Dec 2022	Approved
WP2	D2.1	report on feedstock specification and availability	ARGENT	PU	30 Apr 2021		28 Apr 2021	Approved
WP2	D2.2	Report on industrial benchmark technologies and methodologies	SINI	PU	30 Apr 2021		30 Apr 2021	Approved
WP2	D2.3	Report and design flowsheets with detailed mass and energy balances of the full scale GLAMOUR process	UNIMAN	CO	31 Oct 2023			Pending
WP3	D3.1	Preliminary mass and energy balances for syngas production	UNIMAN	CO	31 Aug 2020		31 Oct 2020	Approved
WP3	D3.2	Report on glycerol refining method	ARGENT	CO	30 Apr 2022		21 Jun 2022	Approved
WP3	D3.3	Report on optimized CLR catalyst on laboratory scale	C&CS	CO	31 Jan 2022		19 Apr 2022	Approved
WP3	D3.4	1 kg of optimized CLR catalyst delivered at UNIMAN	C&CS	CO	30 Apr 2022		12 Mar 2023	Approved
WP3	D3.5	1 kg of CO2 sorbent delivered at UNIMAN	CSIC	CO	30 Apr 2022		26 Jul 2022	Approved
WP3	D3.6	Report on co-precipitated materials synthesis, characterisation and testing	CSIC	CO	31 Jul 2022		20 Oct 2022	Approved
WP3	D3.7	Lab scale testing results at TRL4	UNIMAN	CO	30 Apr 2023	30 Oct 2023 (M42)		Pending
WP3	D3.8	Particle modelling validated against the experimental results	CSIC	CO	31 Jul 2022		25 Apr 2023	Approved
WP3	D3.9	Reactor modelling validated against the experimental results	UNIMAN	CO	30 Apr 2023	31 Dec 2023 (M44)		Pending

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WP4	D4.1	Report on existing catalyst formulation and preparation	TNO	CO	31 Aug 2020		27 Aug 2020	Approved
WP4	D4.2	Production of 20 grams of 2 Co-based FT catalysts	TNO	CO	31 Dec 2020		18 Jan 2022	Approved
WP4	D4.3	Production of 50 gram of 4 Co-based FT catalysts	TNO	CO	30 Jun 2021		13 Mar 2022	Approved
WP4	D4.4	Delivery of first 3D printed catalyst monolith	VITO	CO	31 Oct 2021		28 Feb 2022	Approved
WP4	D4.5	Report on catalyst screening (including preliminary reactor M&H balances)	TNO	CO	31 Dec 2021		16 May 2022	Approved
WP4	D4.6	Delivery of second 3D printed catalyst monolith	VITO	CO	30 Apr 2023		23 Aug 2023	Submitted
WP4	D4.7	Report of predicted FT reactor performance versus catalyst/reaction conditions	TNO	CO	30 Apr 2023	31 Oct 2023 (M42)		Pending
WP4	D4.8	Report on FT performance of structured catalysts at TRL4	TNO	CO	30 Apr 2023	31 Oct 2023 (M42)		Pending
WP5	D5.1	Design book for TRL5 prototype system	TU/e	CO	30 Jun 2021		23 Jul 2021	Approved
WP5	D5.2	Prototype system ready to operate	TU/e	CO	31 Oct 2022		04 Sep 2023	Submitted
WP5	D5.3	delivery of 15 kg of optimal CLR catalyst at TUE	C&CS	CO	31 Jan 2023		09 Aug 2023	Submitted
WP5	D5.4	delivery of 3 kg of CO2 sorbent at TUE	CSIC	CO	31 Jan 2023		10 Sep 2023	Submitted
WP5	D5.5	delivery of 1 kg structured FT synthesis catalyst at TUE	VITO	CO	31 Jan 2023	31 Oct 2023 (M42)		Pending
WP5	D5.6	Report on test campaign of TRL5 demonstration	TU/e	CO	30 Apr 2024			Pending
WP5	D5.7	Data Catalogue for the industrial scale process	SINI	CO	30 Apr 2024			Pending
WP5	D5.8	Final design of the TRL6/7 prototype process	INERATEC GMBH	CO	30 Apr 2024			Pending
WP6	D6.1	Report on GLAMOUR economic performance	SINI	CO	30 Apr 2024			Pending

WP6	D6.2	Report on life cycle assessment of the GLAMOUR technology and comparison	UNIMAN	CO	31 Jan 2024		Pending
WP6	D6.3	Report on the social sustainability and policy implications	UNIMAN	PU	31 Aug 2023		Pending
WP7	D7.1	Website	CIAOTECH	PU	31 Jul 2020	07 Aug 2020	Approved
WP7	D7.2	First Dissemination Plan	CIAOTECH	PU	31 Oct 2020	31 Oct 2020	Approved
WP7	D7.3	IPR agreement	CIAOTECH		31 Oct 2020	02 Nov 2020	Approved
WP7	D7.4	Market Analysis and Stakeholders report	CIAOTECH	PU	30 Apr 2022	28 May 2022	Approved
WP7	D7.5	Preliminary Exploitation plan	CIAOTECH	CO	31 Jul 2022	26 Jul 2022	Approved
WP7	D7.6	Final Dissemination Report	CIAOTECH	CO	30 Apr 2024		Pending
WP7	D7.7	Final Exploitation plan	CIAOTECH	CO	31 Jan 2024		Pending
WP7	D7.8	First Exploitation workshop	CIAOTECH	PU	31 Oct 2021	18 Nov 2021	Approved
WP7	D7.9	Second exploitation workshop	CIAOTECH	PU	31 Oct 2023		Pending
WP7	D7.10	First Industrial and Transferability workshop	CIAOTECH	PU	31 Oct 2022	15 Nov 2022	Approved
WP7	D7.11	second Industrial and Transferability workshops	CIAOTECH	PU	31 Oct 2023		Pending
WP8	D8.1	H - Requirement No. 1	UNIMAN	CO	31 Jul 2020	01 Sep 2020	Approved
WP8	D8.2	POPD - Requirement No. 2	UNIMAN	CO	31 Jul 2020	01 Sep 2020	Approved

7. Dissemination and Exploitation results

The dissemination and exploitation results have been summarised in the following deliverables:

Add deliverables already submitted

D7.1	Website	CIAOTECH	PU	31 Jul 2020	07 Aug 2020	Approved
D7.2	First Dissemination Plan	CIAOTECH	PU	31 Oct 2020	31 Oct 2020	Approved
D7.3	IPR agreement	CIAOTECH		31 Oct 2020	02 Nov 2020	Approved
D7.4	Market Analysis and Stakeholders report	CIAOTECH	PU	30 Apr 2022	28 May 2022	Approved
D7.5	Preliminary Exploitation plan	CIAOTECH	CO	31 Jul 2022	26 Jul 2022	Approved
D7.6	Final Dissemination Report	CIAOTECH	CO	30 Apr 2024		Pending
D7.7	Final Exploitation plan	CIAOTECH	CO	31 Jan 2024		Pending
D7.8	First Exploitation workshop	CIAOTECH	PU	31 Oct 2021	18 Nov 2021	Approved
D7.9	Second exploitation workshop	CIAOTECH	PU	31 Oct 2023		Pending
D7.10	First Industrial and Transferability workshop	CIAOTECH	PU	31 Oct 2022	15 Nov 2022	Approved
D7.11	second Industrial and Transferability workshops	CIAOTECH	PU	31 Oct 2023		Pending

7.1 Dissemination activity

CIAOTECH, as leader of the Dissemination and Communication activities, will ensure that the project results and outcomes will reach a wide range of stakeholders. A record of dissemination activities is taken by CIAOTECH and periodically updated, including news and website news.

Strategic and targeted communication measures for promoting GLAMOUR project and its results to a wide audience will be used.

It is worth to mention that the Dissemination and Communication Plan is flexible therefore it can be adapted during the project lifetime and extra elements can be introduced as the project evolves according to the stakeholders' needs and interests.

Moreover, several control mechanisms will be adopted to ensure the effectiveness of the dissemination plan, e.g. project website hits and downloads of dissemination materials, social media engagement, active dissemination at external events, project references in publications/articles, newsletter sign ups and active participation in project events. The communication measures that will be adopted are reported in Table 2:

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Table 2 - Communication measures within GLAMOUR project

Measures	Measurable results
EU Dissemination and Communication	
Project Website	A dedicated website has been set-up (including an open access and a private area). The GLAMOUR Project website focuses on the description of the project content, objectives and information about the involved partners. The link is https://www.glamour-project.eu/
Visual identity and dissemination materials	The project logo, presentation, public deliverables, posters templates and brochures have been created to present the project to a wider audience and include information presented in an easily understandable way to make it comprehensible for the general public.
Press and peer reviewed journals	The GLAMOUR results obtained so far have been published in peer-reviewed journals at high-impact factor. Moreover, non-scientific articles and press articles have been prepared and published in specialist international and national journals. Other publications will be prepared by the end of the projects.
Conferences, Workshops and events	The project partners have been active in participating national and international events (conferences, fairs and workshops) in order to present the GLAMOUR objectives and results. This activity will continue throughout the entire duration of the project.
Social Media	The GLAMOUR is actively present in social media (e.g. Twitter and LinkedIn)

7.2 Exploitation

In order to allow the GLAMOUR results and products reaching the key stakeholders and the main markets, an Exploitation Plan (D7.7) has been developed by CIAOTECH, WP7 leader, in collaboration with all partners. The main objectives of the Exploitation Plan are:

- Identifying the Key Exploitable Results (KERs) of the project and their ownership;
- Assessing the potential exploitation of KERs;
- Developing a roadmap to the market.

Project Title	GLycerol to Aviation and Marine prOducts with sUstainable Recycling
Project Type:	RIA Research and Innovation Action
Project Acronym	GLAMOUR
Grant Agreement No.	884197
Duration	48 months
Project Start Date	01-05-2020

[D1.1] Data Management Plan at M42

WP n° and title	WP1 – Management
Responsible Author(s)	UNIMAN
Contributor(s)	All partners
Dissemination Level	PU

This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 884197

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Status (F: final; D: draft; RD: revised draft):	draft
Planned delivery date	31/10/2023 (M42)
Actual delivery date	31/10/2023 (M42)
Dissemination level: (PU = Public; PP = Restricted to other program participants; RE = Restricted to a group specified by the consortium; CO = Confidential, only for members of the consortium)	PU
Type: Report, Website, Other, Ethics	data sets, microdata, etc

DOCUMENT HISTORY

Version	Date (DD/MM/YYYY)	Created/Amended by	Changes
01	14/09/2023	Vincenzo Spallina	1st Draft
02			
03			

QUALITY CHECK REVIEW

Reviewer (s)	Main changes
All partners	Updated information

LIST OF CONTENTS

1. LIST OF ABBREVIATIONS AND DEFINITIONS

Abbreviation	Definition
DoA	Description of Action
EC	European Commission
H2020	Horizon 2020
DPM	Data Management Plan

2. EXECUTIVE SUMMARY

This deliverable reports the revised version of the Data Management Plan for the project GLAMOUR as requested after thesecond review meeting at M42. To keep the data Management clear, the document reports the information, beneficiary by beneficiary

3. DATA MANAGEMENT PLAN BY BENEFICIARY

3.1 UNIVERSITY OF MANCHESTER (UNIMAN)

Name of student/researcher(s)	Vincenzo Spallina, Adisa Azapagic, Liz Fay. Craig Coulthard, Christopher de Leeuwe, Harish Jeswani, Slobodan Perdan, Adam Zaidi, Sandra Gogacz
Name of group/project	CEAS GLAMOUR
Description of your research	*Coordinator, Project manager, WP1 (Management) Leader, WP6 (Life cycle and sustainability Assessment) leader, process design and integration in WP2 (Industrial Applications), testing of the gas-solid reaction at TRL4 in WP3 (Syngas Generation), Environmental and social sustainability analysis in WP6.*
Funding body(ies)	H2020
Grant number	***884197***
Beneficiary organisations	GLAMOUR consortium without disclosing IPR according to GA and CA
Project duration	Start: **01-05-2020** End: **30-04-2024**
Date written	**13-06-2020**
Date last update	**14/09/2023**
Version	New version to be submitted at M42 reporting the main changes related to changes of people, procedures and other minor related issue
Name of researcher(s) with roles/responsibilities for data management	Vincenzo Spallina: Project coordinator, main contact UNIMAN, Scientific responsible for UNIMAN of WP2, WP3 Adisa Azapagic: WP6 Leader, Scientific responsible of UNIMAN of WP6 Liz Fay: admin contact for EU - project, support Craig Coulthard: finance contact for the EU - project, support Christopher de Leeuwe: former Postdoc, research related to WP2 and WP3 Adam Zaidi: research Assistant involved in activities related to WP2, WP3 and WP5. Harish Jeswani: Postdoc, research related to WP6 Slobodan Perdan: Postdoc, research related to WP6 *Sandra Gogacz: project administrator in WP1*

3.1.1 DATA COLLECTION

- Data to be created/collected includes:
  - Deliverables, report and materials related to the Project Management and dissemination

- Aspen flowsheet, PFD, material and energy balances related to the GALMOUR process
- Lab scale syngas generation testing. Measurement
- Modelling data related to the dynamically operated reactor for lab scale validation and large scale design
- Measurement related to glycerol purification
- Data for the development of comprehensive model for the LCA study and analysis related to the existing state-of-the-art technologies and results from the GLAMOUR demonstration prototype
- Reports and guidelines related to the social acceptance of the GLAMOUR project
- Scientific manuscripts

➢ Data to be created/collected includes:

Table 1. Data collection at UNIMAN

Type of data	Possible source of data
Process parameter	Experimental data. Data will be generated along the project life. Literature data will be also considered.
Characterization of the reactors	Experimental data Data will be generated along the project life.
Modelling	In house codes for dynamically operated reactors, system modelling and aspen models will be used.
Life cycle and sustainability assessment	Data will be generated along the project life Existing database available from existing software used (e.g. GABi software)

Data will be collected either by means of data collection templates (mostly Excel or Word files and TIF images), with version number explicitly stated in the filename as well as in the file itself.

3.1.2 DATA STORAGE AND BACKUP

Data are stored in different locations. Firstly, on the computers of the researcher and lab computers. The data from experimental facilities are also generally saved on the PLC of the setup. We have opened a TEAMS Channel which is shared with all project partners and there is also a private channel where members from the University of Manchester can submit documents associated to the project management, such as timesheets.

Some documents and data generated during the project which are commonly used by all partners for the project will be also stored in the CIATECH/PNO's Open Innovation Platform Innovation Place, working as the private area of the project website, (https://www.innovationplace.eu/), where a dedicated project area is created exclusively for the project. The coordinator will approve the documents to be uploaded

3.1.3 DATA DOCUMENTATION

In the GLAMOUR project no specific data format will be used unless specifically required in a given situation (to be decided along the project).

As far as naming convention, the project naming convention will be used if there is one.

Data will be stored at least 5 years after the formal end of the project: five years after the payment of the balance (see the Grant Agreement).

3.1.4 DATA ACCESS

Copyright or Intellectual Property Rights are applicable to main type of data generated by UNIMAN. The data store at UNIMAN is fully secure as the system has been designed for this.

Data access is provided in the Project Folder by the Project Manager (name by name).

3.1.5 DATA SHARING AND REUSE

Once any copyright or Intellectual Property Rights are protected part of the data could be shared outside the consortium. Approval of the consortium (according to the Grant Agreement / Consortium Agreement) will be required for any publications outside the consortium

Publication will be carried out in different journals and websites. Open Access following the Green or Golden Route will be used.

As policy of UNIMAN, all data published should be made available in the University of Manchester through the pure.manchester.ac.uk repository.

When possible, raw data will be published along the main articles as supplementary material. All data generated by UNIMAN (after IP protection) will be also made available on GLAMOUR website.

3.1.6 DATA PRESERVATION AND ARCHIVING

The consortium policy for data preservation and archiving shall be followed (at least 5 years after the formal end of the project: five years after the payment of the balance, see the Grant Agreement). In the absence of such a project-specific policy, the data shall be archived and stored like the data from any other UNIMAN project.

3.2 TECHNISCHE UNIVERSITEIT EINDHOVEN (TUE)

Name of student/researcher(s)	Fausto Gallucci, Fernanda Neira d'Angelo, Luca di Felice, Rouzbeh Ramezani, Amin Delparish
Name of group/project	TUE/ST/SPE/SIR / GLAMOUR
Description of your research	*WP5 leader, process design Glamour setup in WP5, scale-up of chemical looping (syngas production) reactors and Fischer-Tropsch reactor (Kerosene generation) at TRL5 in WP5, testing of the Glamour setupat TRL5. Technical Manager* WP4 participant: modelling of 3D printed catalyst and Fischer-Tropsch reactor performance
Funding body(ies)	H2020
Grant number	***884197***
Beneficiary organisations	GLAMOUR consortium without disclosing IPR according to GA and CA
Project duration	Start: **01-05-2020** End: **30-04-2024**
Date written	**10-06-2020**
Date last update	**10-06-2020**
Version	V2. This is an updated version for M30
Name of researcher(s) with roles/responsibilities for data management	Fausto Gallucci: Project manager Fernanda Neira d'Angelo: WP5 leader Luca di Felice: Researcher Rouzbeh Ramezani: Postdoc, research related to WP5 and WP3 Amin Delparish: Postdoc, research related to WP4

3.2.1 DATA COLLECTION

- Data to be created/collected includes:
  - Deliverables and report related to Glamour scale-up
  - Process parameter for dynamically operated reactors.
  - Characterization of the catalyst at TUE: measurements
  - Modelling data, both detailed models and Aspen Model
  - Reactor performance model: transport phenomena and kinetic
  - Modeling effect of catalyst geometry and process parameters
  - Catalyst characterization
  - Design data, PFD and modelling of single components
  - GLAMOUR prototype building
  - Test the gas-solid based reforming process for syngas generation
  - Technology scale-up

- Full process design and integration of Glamour prototype at TRL5 (P&ID)
- Mass and energy analysis of chemical looping reforming of glycerol with Aspen Plus
- Mass balance and product distribution evaluation of Fischer-Tropsch reactions with Aspen Plus
- Equipment sizing and engineering studies

➢ Sources per type of data are described below:

Table 2. Data collection at TUE

Type of data	Possible source of data
Process parameter	Experimental data. Data will be generated along the project life. Literature data will be also considered.
Characterization of the reactors	Experimental data Data will be generated along the project life.
Modelling	In house codes for dynamically operated reactors, system modelling and aspen models will be used.
Catalyst characterization	Experimental data Data will be generated along the project life
Glamour concept	Experimental data including images Data will be generated along the project life

Data will be collected either by means of data collection templates (mostly Excel or Word files and TIF images), with version number explicitly stated in the filename as well as in the file itself.

3.2.2 DATA STORAGE AND BACKUP

Data are stored in different locations. Firstly, on the computers of the researcher and lab computers. The data from experimental facilities are also generally saved on the PLC of the setup. the SIR group has adopted a CLOUD application and each student saves the data on the cloud, thus stored on several computes and accessible by staff members of SIR. Images are also stored on external HD (generally 4 TB each).

TUE is also discussing the possibility to adopt electronic lab notebook, in this case also this will be used for GLAMOUR.

3.2.3 DATA DOCUMENTATION

In the GLAMOUR project no specific data format will be used unless specifically required in a given situation (to be decided along the project).

As far as naming convention, the project naming convention will be used if there is one.

Data will be stored at least 5 years after the formal end of the project: five years after the payment of the balance (see the Grant Agreement).

3.2.4 DATA ACCESS

Copyright or Intellectual Property Rights are applicable to main type of data generated by TUE. The data store at TUE is fully secure as the system has been designed for this.

Data access is provided in the Project Folder by the Project Manager (name by name).

3.2.5 DATA SHARING AND REUSE

Once any copyright or Intellectual Property Rights are protected part of the data could be shared outside the consortium. Approval of the consortium (according to the Grant Agreement / Consortium Agreement) will be required for any publications outside the consortium

Publication will be carried out in different journals and websites. Open Access following the Green or Golden Route will be used.

As policy of TUE, all data published should be made available through the repository of TUE.

When possible, raw data will be published along the main articles as supplementary material. All data generated by TUE (after IP protection) will be also made available on GLAMOUR website.

3.2.6 DATA PRESERVATION AND ARCHIVING

The consortium policy for data preservation and archiving shall be followed (at least 5 years after the formal end of the project: five years after the payment of the balance, see the Grant Agreement). In the absence of such a project-specific policy, the data shall be archived and stored like the data from any other TUE project. All data related to PhD thesis should be stored by TUE for 5-10 year after the PhD has been granted.

3.3 NEDERLANDSE ORGANISATIE VOOR TOEGEPAST NATUURWETENSCHAPPELIJK ONDERZOEK TNO (TNO)

Name of student/researcher(s)	E.H. Boymans, A.J. Grootjes, M. Saric
Name of group/project	TNO ET/BEE / GLAMOUR
Description of your research	WP4 manager, testing of customised structured (3D printed) Fischer-Tropsch catalysts with maximum kerosene production from chemical looping based syngas generation
Funding body(ies)	H2020
Grant number	***884197***
Beneficiary organisations	GLAMOUR consortium without disclosing IPR according to GA and CA
Project duration	Start: **01-05-2020** End: **30-04-2024**
Date written	**10-06-2020**
Date last update	**10-06-2020**
Version	V2 @ M30.
Name of researcher(s) with roles/responsibilities for data management	A.J. Grootjes, project manager, main contact, E.H. Boymans, scientific responsible of TNO

3.3.1 DATA COLLECTION

- Data to be created/collected includes:
  - Deliverables, reports and materials related to the Project Management and dissemination
  - Report of literature study regarding potential catalyst candidates
  - Lab scale catalyst screening: measurement data (temperatures, pressures, gas composition, product yield and analysis)
  - Pilot-scale 3D catalyst testing: measurement data (temperatures, pressures, gas composition, product yield and analysis)

- Data to be created/collected includes:

Type of data	**Possible source of data**
Lab-scale catalyst screening	Experimental data, mostly Excel data files. Data will be generated along the project life. Industrial reference data will be also considered. Measurement reports (Word files).
Pilot-scale 3D catalyst testing	Experimental data, mostly Excel data files. Data will be generated along the project life. Measurement reports (Word files).

3.3.2 DATA STORAGE AND BACKUP

All data is stored on TNO servers, no data will solely be stored on local workstations. Raw data from each experiment from lab infra is copied on an equipment specific server. Edited data files are stored on the projects server (sharepoint). All project related data is stored on the projects sharepoint. TNO protocol for backup applies for the servers.

3.3.3 DATA DOCUMENTATION

In the GLAMOUR project no specific data format will be used unless specifically required in a given situation (to be decided along the project).

As far as naming convention, the project naming convention will be used if there is one.

Data will be stored at least 5 years after the formal end of the project: five years after the payment of the balance (see the Grant Agreement).

3.3.4 DATA ACCESS

Copyright or Intellectual Property Rights are applicable to main type of data generated by TNO. The data store at TNO is fully secure as the system has been designed for this.

Data access is provided in the Project Folder by the Project Manager (name by name).

3.3.5 DATA SHARING AND REUSE

Once any copyright or Intellectual Property Rights are protected part of the data could be shared outside the consortium. Approval of the consortium (according to the Grant Agreement / Consortium Agreement) will be required for any publications outside the consortium

Publication will be carried out in different journals and websites.

When possible, raw data will be published along the main articles as supplementary material. All data generated by TNO (after IP protection) will be also made available on GLAMOUR website.

3.3.6 DATA PRESERVATION AND ARCHIVING

The consortium policy for data preservation and archiving shall be followed (at least 5 years after the formal end of the project: five years after the payment of the balance, see the Grant Agreement). In the absence of such a project-specific policy, the data shall be archived and stored like the data from any other TNO project.

3.4 AGENCIA ESTATAL CONSEJO SUPERIOR DEINVESTIGACIONES CIENTIFICAS (CSIC)

Name of student/researcher(s)	Gemma Grasa, Ramón Murillo, Isabel Martínez, Elena Segura, Ignacio Martínez
Name of group/project	CSIC (ERG) / GLAMOUR
Description of your research	WP3 (Syngas Generation) Leader, this WP aims determining the operational window for the syngas production, and the different process stages. Our research will cover: materials synthesis, characterization and testing; WP5 scaling up functional material.
Funding body(ies)	H2020
Grant number	***884197***
Beneficiary organisations	GLAMOUR consortium without disclosing IPR according to GA and CA
Project duration	Start: **01-05-2020** End: **30-04-2024**
Date written	**18-06-2020**
Date last update	**18-06-2020**
Version	No changes occurred.
Name of researcher(s) with roles/responsibilities for data management	Gemma Grasa, WP3 leader and responsible of WP5 contribution; Ramón Murillo, WP3 responsible of modeling work on WP3; Isabel Martínez responsible of experimental work on WP3; Elena Segura: administrative contact, project, support; Ignacio Martínez: finance contact, project, support.

3.4.1 DATA COLLECTION

- Data to be created/collected includes:
  - Materials synthesis routes
  - Materials characterisation (OC, catalyst, sorbent): measurements
  - Materials performance: experimental testing, measurements
  - Modelling data: detailed particle reaction model
  - Scaled-up material production, characterisation and performance
  - Scientific manuscripts

- Sources per type of data are described below:

Table 4. Data collection at CSIC

Type of data	Possible source of data
Synthesis routes	Literature data will be explored. Experimental data.

	Data will be generated along the project life.
Materials characterization and testing	Experimental data Data will be generated along the project life.
Modelling	In house codes for reaction models at particle scale will be used.
Scaled-up material production characterisation and performance	Data will be generated along the project life.

Data will be collected either by means of data collection templates (mostly Excel or Word files), with version number explicitly stated in the filename as well as in the file itself.

3.4.2 DATA STORAGE AND BACKUP

Data are stored in different locations. Firstly, on the computers of the researcher and lab computers. The data from experimental facilities are also generally saved on the PLC of the setup. The ERG group at CSIC will use the SACO application (service available for CSIC) and each person involved in the project will save the data on the cloud, thus stored on several computers and accessible by staff members of CSIC (ERG).

3.4.3 DATA DOCUMENTATION

In the GLAMOUR project no specific data format will be used unless specifically required in a given situation (to be decided along the project).

As far as naming convention, the project naming convention will be used if there is one.

Data will be stored at least 5 years after the formal end of the project: five years after the payment of the balance (see the Grant Agreement).

3.4.4 DATA ACCESS

Copyright or Intellectual Property Rights are applicable to main type of data generated by CSIC. The data store at CSIC is fully secure as the system has been designed for this.

Data access is provided in the Project Folder by the Project Manager (name by name).

3.4.5 DATA SHARING AND REUSE

Once any copyright or Intellectual Property Rights are protected part of the data could be shared outside the consortium. Approval of the consortium (according to the Grant Agreement / Consortium Agreement) will be required for any publications outside the consortium

Publication will be carried out in different journals and websites. Open Access following the Green or Golden Route will be used.

As policy of CSIC, all data published should be made available through DIGITAL.CSIC which is the institutional repository of the Spanish National Research Council.

When possible, raw data will be published along the main articles as supplementary material. All data generated by CSIC (after IP protection) will be also made available on GLAMOUR website.

3.4.6 DATA PRESERVATION AND ARCHIVING

The consortium policy for data preservation and archiving shall be followed (at least 5 years after the formal end of the project: five years after the payment of the balance, see the Grant Agreement). In the absence of such a project-specific policy, the data shall be archived and stored like the data from any other CSIC project.

3.5 VLAAMSE INSTELLING VOOR TECHNOLOGISCH ONDERZOEK N.V. (VITO)

Name of student/researcher(s)	Vesna Middelkoop
Name of group/project	VITO(CAST)/GLAMOUR
Description of your research	WP4 (Fuel Synthesis), Structured 3D printed catalysts
Funding body(ies)	H2020
Grant number	***884197***
Beneficiary organisations	GLAMOUR consortium without disclosing IPR according to GA and CA
Project duration	Start: **01-05-2020** End: **30-04-2024**
Date written	**23-06-2020**
Date last update	**23-06-2020**
Version	No changes occurred
Name of researcher(s) with roles/responsibilities for data management	Vesna Middelkoop, Project lead of VITO for WP4

3.5.1 DATA COLLECTION

Data to be created/collected include:
• Modelling data (printing models and associated files for the design and 3D printing of catalyst structures)
• 3D printing files for operating the printer
• 3D printed catalyst characterisation (eg. SEM/EDX, XRD, TGA, N2, etc)
• 3D design of reactor components and GLAMOUR prototype

Type of data	Possible source of data
Process parameter	Experimental data. Data will be generated along the project life. Literature data will be also considered.
Characterisation of the catalyst structures	Experimental data Data will be generated along the project life.
Design and modelling of the catalyst structures	Printing models and associated files including in house files for printing catalyst structures
Glamour reactor concept	Experimental data including graphic data (images, 3D object files)

Data will be collected either by means of data collection templates (such as in Excel, Word files and/or TIF images) or as the files themselves. To maintain the correct order the files will be saved using descriptive file naming followed by a number.

3.5.2 DATA STORAGE AND BACKUP

Data will be stored at different locations on PCs (researchers and lab computers), on institutional servers and OneDrive. Cloud-based storage solutions will be used in addition to traditional physical hard drive solutions. Conventional logbook keeping is replaced at VITO by electronic book application programmes such as Microsoft OneNote.

3.5.3 DATA DOCUMENTATION

In the GLAMOUR project no specific data format will be used unless specifically required in a given situation (to be decided along the project).

As far as naming convention, the project naming convention will be used if there is one.

Data will be stored at least 5 years after the formal end of the project: five years after the payment of the balance (see the Grant Agreement).

3.5.4 DATA ACCESS

The data generated within the GLAMOUR project will be restricted for internal use by the project partners; access will be protected by login and password. Access to the data storage at VITO meets Information Security and GDPR standards (the former includes required security functionality, firewall policies, strong authentication framework, alongside user credentials using login names and passwords).

3.5.5 DATA SHARING AND REUSE

The data will mainly serve to partners to ascertain the reproducibility of initial results and quality control of the synthesis methods. Only selected data can be made available for use to the scientific community and to the public after being selected for publication.

The data will be of use to the scientific community and to the public, and will be of particular interest to those working in the field of materials synthesis and fuel production.

3.5.6 DATA PRESERVATION AND ARCHIVING

The consortium policy for data preservation and archiving shall be followed (at least 5 years after the formal end of the project: 5 after the payment of the balance, see the Grant Agreement). In the absence of such a project-specific policy, the data will be archived and preserved in line with VITO's internal standards in the preservation of electronic records. Efforts and means to keep the data available after the end of the project will be described, including where/how the data will be preserved, the duration of preservation, the associated costs and the plans of the consortium to cover these costs.

3.6 CIAOTECH SRL (CIAOTECH)

Name of student/researcher(s)	Patrizia Circelli, Marco Molica Colella, Anna Franciosini, Manuela Guiducci, Gracia Anweta, Michela Costagliola
Name of group/project	CIAOTECH / GLAMOUR
Description of your research	WP7 (Exploitation and Dissemination) leader. Within WP7, CIAOTECH carries out a stakeholder analysis and market analysis to identify the innovation network around GLAMOUR.
Funding body(ies)	H2020
Grant number	***884197***
Beneficiary organisations	GLAMOUR consortium without disclosing IPR according to GA and CA
Project duration	Start: **01-05-2020** End: **30-04-2024**
Date written	**19-06-2020**
Date last update	**19-06-2020**
Version	V2 at M30
Name of researcher(s) with roles/responsibilities for data management	Patrizia Circelli: WP7 leader, main contact of CIOATECH, Senior Innovation Management consultant responsible of WP7 activities. Marco Molica Colella, Senior Innovation Management consultant involved in the stakeholder and market analysis. Anna Franciosini: Innovation Management consultant involved in the stakeholder and market analysis. Gracia Anweta: Analyst involved in the research for the stakeholder and market analysis. Michela Costagliola; Analyst involved in the research for the stakeholder and market analysis. . Manuela Guiducci involved in dissemination activities.

3.6.1 DATA COLLECTION

- Data to be created/collected includes:
  - Deliverables about Market Analysis and Stakeholders analysis
  - Data for the development of the stakeholder analysis for GLAMOUR that includes the analysis of the organisations carrying out R&D in topics related to GLAMOUR, identification

of the actors that are developing and protecting (IP) technology relevant for the project and identification of top player in the market
- Market Reports on relevant topics for GLAMOUR exploitation

➢ Sources per type of data are described below:

Table 3. Data collection at CIAOTECH

Type of data	Possible source of data
Stakeholder Analysis and Market Analysis	Strategic analysis of existing and emerging technologies vs GLAMOUR and assessment of the project innovations and differences with other solutions. Use of the Business Intelligence and Tech Mining platform and search tool Wheesbee (www.wheesbee.eu) that to enables advanced search on existing databases: - international patents databases including the USA, Europe, Japan and China; - funded projects databases including European projects (CORDIS, LIFE Public Database, INTERREG projects database) and national projects (UK, Austria, Netherlands, Finland, France, Germany, Norway, Spain, Italy, Belgium, Portugal and Switzerland) as well as projects databases from non-European countries (USA, Canada and Australia); - Open access scientific papers databases. Use of the database PitchBook (https://pitchbook.com/) that provides data on the private and public markets. Use of available Market Reports.

Data will be collected either by means of data collection templates (mostly Excel or Word files JPG/TIF images), with version number explicitly stated in the filename as well as in the file itself.

3.6.2 DATA STORAGE AND BACKUP

Data are stored in different locations. Firstly, on the computers of the consultants involved in the project. The data generated during the project will be also stored in the CIATECH/PNO's Open Innovation Platform Innovation Place (https://www.innovationplace.eu/), where a dedicated project area is created exclusively for the project. Finally, data are also stored on external HD.

3.6.3 DATA DOCUMENTATION

In the GLAMOUR project no specific data format will be used unless specifically required in a given situation (to be decided along the project).

As far as naming convention, the project naming convention will be used if there is one.

Data will be stored at least 5 years after the formal end of the project: five years after the payment of the balance (see the Grant Agreement).

3.6.4 DATA ACCESS

Intellectual Property Rights are applicable to the data generated by CIAOTECH. The data store at CIAOTECH is fully secure as the system has been designed for this.

Data access is provided in the Project Folder on Innovation Place by the project associated consultants.

3.6.5 DATA SHARING AND REUSE

Contents of the stakeholders and market analysis - based on public data - will be summarized in documents for dissemination purposes that will be made available through different non-scientific journals and GALMOUR website.

3.6.6 DATA PRESERVATION AND ARCHIVING

The consortium policy for data preservation and archiving shall be followed (at least 5 years after the formal end of the project: five years after the payment of the balance, see the Grant Agreement). In the absence of such a project-specific policy, the data shall be archived and stored like the data from any other CIAOTECH projects.

3.7 SIIRTEG NIGI S.P.A (SINI)

Name of student/researcher(s)	Vittorio Zolla, Mauro Galbiati, Luciano Grisanti, Giuliano la Porta, Mauro Torriani, Giorgio Zendali. Discipline engineers.
Name of group/project	ZA0017 – GLAMOUR PROJECT
Description of your research	*WP2 (Industrial Applications), benchmark of current industrial routes for glycerol upgrading and utilisations; WP6 (LCSA) Process economics and life cycle costing.*
Funding body(ies)	H2020
Grant number	***884197***
Beneficiary organisations	GLAMOUR consortium without disclosing IPR according to GA and CA
Project duration	Start: **01-05-2020** End: **30-04-2024**
Date written	**10-06-2020**
Date last update	**28-09-2022**
Version	V2. This is an updated version at M30.
Name of researcher(s) with roles/responsibilities for data management	Vittorio Zolla – Project Manager, main contact SINI. Mauro Galbiati, responsible for SINI for WP2 and WP6 (process design). Luciano Grisanti (leader) and Giuliano La Porta, senior process engineers. Mauro Torriani, process engineer. Giorgio Zendali, responsible for SINI for Capex estimation for Glamour industrial plant. Discipline engineers when required.

3.7.1 DATA COLLECTION

Data to be created/collected includes:

- Benchmark report.
- Data catalog.
- Engineering documentation required for industrial plant economic costings, which will include:
    - Design Basis for industrial scale plant
    - Glamour plant process description
    - Process Flow Sheet
    - Heat and Material Balance Sheet (process and utilities facilities)
    - Pressure vessels and rotating machineries data sheets
    - Items list
    - Utilities, Auxiliary materials and catalysts consumptions list
    - Preliminary plot plan.
- Industrial plat costs break down
- Profitability analysis.

Data will be collected by means of Excel, Word and PDF (for drawings) files each one identified with its own ID codes according to SINI documentation identification methodology as codified by SINI's quality manuals.

3.7.2 DATA STORAGE AND BACKUP

Data will be stored mainly in the GLAMOUR Project folder of the SINI's SINIMIDATA data base whose access is allowed only to SINI's personnel appointed for the project. Hard copies of the documentation can be stored in SINI's project archives.

3.7.3 DATA DOCUMENTATION

For the Glamour project SINI's engineering standard format will be used. Data will be kept in the project folder/archives for at least 5 years after the payment of the balance (as for Grant Agreement)

3.7.4 DATA ACCESS

Copyright or Intellectual Property Rights are applicable to main type of data generated by SINI. The data store at SINI is fully secure as the system has been designed for this.

Data access is provided in the Project Folder by the Project Manager (name by name).

3.7.5 DATA SHARING AND REUSE

Once any copyright or Intellectual Property Rights are protected part of the data could be shared outside the consortium. Approval of the consortium (according to the Grant Agreement / Consortium Agreement) will be required for any publications outside the consortium.

Publication will be carried out in different journals and websites. Open Access following the Green or Golden Route will be used.

As policy of SINI, all data published should be made available SINI's repository.

When possible, raw data will be published along the main articles as supplementary material. All data generated by SINI (after IP protection) will be also made available on GLAMOUR website.

3.7.6 DATA PRESERVATION AND ARCHIVING

The consortium policy for data preservation and archiving shall be followed (at least 5 years after the formal end of the project: five years after the payment of the balance, see the Grant Agreement). In the absence of such a project-specific policy, the data shall be archived and stored like the data from any other SINI project.

3.8 ARGENT ENERGY (UK) LIMITED (ARGENT)

Name of student/researcher(s)	Martin Kingsley, Mike Scott, Caroline Welch, Abby McNeil, Taha Attarbachi, Dickon Ponsett
Name of group/project	ARGENT ENERGY GLAMOUR
Description of your research	WP2 (Industrial Specifications) leader, WP3 participant in glycerol upgrading experiments, WP6 participant in life-cycle-analysis, life-cycle-costing and policy considerations
Funding body(ies)	H2020
Grant number	***884197***
Beneficiary organisations	GLAMOUR consortium without disclosing IPR according to GA and CA
Project duration	Start: **01-05-2020** End: **30-04-2024**
Date written	**15-06-2020**
Date last update	**14-09-2022**
Version	v0.2. Version has been updated as directed by Project Co-ordinator
Name of researcher(s) with roles/responsibilities for data management	Martin Kingsley: main contact ARGENT, WP2 leader, PM for Argent responsibilities along with Dissemination and Exploitation for Argent's part of the project. Input into WP6, LCA, LCC and policy. Abby McNeil: finance contact for the project Mike Scott: Senior technical advisor Dickon Ponsett: policy and life-cyle-analysis contact

3.8.1 DATA COLLECTION

Argent Energy has an internal R&D folder as well as folders within Microsoft TEAMs.

3.8.2 DATA STORAGE AND BACKUP

Argent Energy has a 24 hour back-up for all data held in internal folders

3.8.3 DATA DOCUMENTATION

Data will use the template designated by the EU portal for reports and deliverables.

3.8.4 DATA ACCESS

Data access id restricted to the relevant persons associated with the project.

3.8.5 DATA SHARING AND REUSE

Exploitation and dissemination will be managed in line with the dissemination plant to maximise the target audience relating to this project.

Once any copyright or Intellectual Property Rights are protected part of the data could be shared outside the consortium. Approval of the consortium (according to the Grant Agreement / Consortium Agreement) will be required for any publications outside the consortium

Publication will be carried out in different journals and websites. Open Access following the Green or Golden Route will be used.

As policy of Argent Energy, all data published should be made available through the repository of Argent Energy.

When possible, raw data will be published along the main articles as supplementary material. All data generated by Argent Energy (after IP protection) will be also made available on GLAMOUR website.

3.8.6 DATA PRESERVATION AND ARCHIVING

The consortium policy for data preservation and archiving shall be followed (at least 5 years after the formal end of the project: five years after the payment of the balance, see the Grant Agreement). In the absence of such a project-specific policy, the data shall be archived and stored like the data from any other Argent Energy project.

3.9 INERATEC GMBH (INERATEC)

Name of student/researcher(s)	Anisha Chelawat, Linus Schulz, additional staff according to incurring tasks
Name of group/project	Project management
Description of your research	*Industrial benchmarking in WP2 (Industrial Applications) and WP4 (Fuel Synthesis), process design of the prototype facility for TRL6-7 in WP5 (Process Demonstration, Deliverable D5.8 responsible)*
Funding body(ies)	H2020
Grant number	***884197***
Beneficiary organisations	GLAMOUR consortium without disclosing IPR according to GA and CA
Project duration	Start: **01-05-2020** End: **30-04-2024**
Date written	**10-06-2020**
Date last update	**07-09-2022**
Version	V2 at M30
Name of researcher(s) with roles/responsibilities for data management	Anisha Chelawat: Project manager, main technical contact Linus Schulz: Administrative and technical contact

3.9.1 DATA COLLECTION

- Data to be created/collected includes:
  - Performance parameters of commercial catalysts in our (novel) packed bed reactor
  - Process parameters
  - Economic and ecologic values of the process
  - Design data for the process design of the TRL6-7 prototype plant

- **Table 4. Data collection at INERATEC**

Type of data	Possible source of data
Process parameter	Comparison of experimental data of partners, existing inhouse data and literature data.
Performance parameters of catalysts	Experimental and available data Data will mostly be generated during the beginning of the project.
Economic and ecologic values of the process	Comparison of the process parameters found by the partners and the inhouse available data.

Design data for the process design of the TRL6-7 prototype plant	Collection of the results in previous work packages and in-house Engineering work

3.9.2 DATA STORAGE AND BACKUP

The data generated will be stored on the company computers as well as an internal cloud solution. Data generated in setups will be temporarily stored in the PLCs of those setups.

As soon as a reliable project data exchange solution has been implemented, INERATEC will upload shared documents to this cloud.

3.9.3 DATA DOCUMENTATION

In the GLAMOUR project no specific data format will be used unless specifically required in a given situation (to be decided along the project).

As far as naming convention, the project naming convention will be used if there is one.

Data will be stored at least 5 years after the formal end of the project: five years after the payment of the balance (see the Grant Agreement).

3.9.4 DATA ACCESS

Copyright or Intellectual Property Rights are applicable to main most of the data generated by INERATEC. The data store at INERATEC is fully secure as the system has been designed for this.

3.9.5 DATA SHARING AND REUSE

Once any copyright or Intellectual Property Rights are protected, part of the data could be shared outside the consortium. Approval of the consortium (according to the Grant Agreement / Consortium Agreement) will be required for any publications outside the consortium

Publication will be mainly carried out in social media, the company websites and press releases. Co-authorship with the other partners is envisaged for publications in scientific journals.

3.9.6 DATA PRESERVATION AND ARCHIVING

The consortium policy for data preservation and archiving shall be followed (at least 5 years after the formal end of the project: five years after the payment of the balance, see the Grant Agreement).

In the absence of such a project-specific policy, the data shall be archived and stored like the data from any other INERATEC project.

3.10 C&CS CATALYSTS AND CHEMICAL SPECIALTIES GMBH (C&CS)

Name of student/researcher(s)	Manfred Nacken, Andrea Roßmann, Julius Nickl
Name of group/project	C&CS R&D / GLAMOUR
Description of your research	*WP3: Catalyst development for syngas generation; WP5: Catalyst scale-up, WP4: Contribution to FT catalyst literature research and selection; WP6: LCA of catalyst production process*
Funding body(ies)	H2020
Grant number	***884197***
Beneficiary organisations	GLAMOUR consortium without disclosing IPR according to GA and CA
Project duration	Start: **01-05-2020** End: **30-04-2024**
Date written	**22-06-2020**
Date last update	**22-06-2020**
Version	V2 at M30
Name of researcher(s) with roles/responsibilities for data management	Manfred Nacken: Main contact and scientific responsible Andrea Roßmann: Administrative & financial contact Julius Nickl, CEO

3.10.1 DATA COLLECTION

Created data that are collected include:

- Starting materials characterization
- Characterization of used equipment
- Catalysts material synthesis protocols
- Catalyst material characterisation
- Production process documentation
- LCA related data
- Scientific articles
- Project reports and deliverables

Data (mostly Excel or Word files) will be collected in appropriate folders with explicitly indicated version No..

3.10.2 DATA STORAGE AND BACKUP

Generated data will be stored on the company computer and company server with access rights only for persons involved in the GLAMOUR project. A back-up of the company server system is regularly performed.

3.10.3 DATA DOCUMENTATION

In the GLAMOUR project no specific data format will be used unless specifically required in a given situation (to be decided along the project).

As far as naming convention, the project naming convention will be used if there is one.

Data will be stored at least 5 years after the formal end of the project: five years after the payment of the balance (see the Grant Agreement).

3.10.4 DATA ACCESS

Copyright or Intellectual Property Rights are applicable to the main part of data as well as essential data generated by C&CS. The data storage at C&CS is fully secure as the system has been designed for this.

Data access is limited to the persons involved in the project by an appropriate project folder.

3.10.5 DATA SHARING AND REUSE

Once any copyright or Intellectual Property Rights are protected part of the data could be shared outside the consortium. Approval of the consortium (according to the Grant Agreement / Consortium Agreement) will be required for any publications outside the consortium

Publication will be carried out in different journals and websites. Open Access following the Green or Golden Route will be used.

Published data should be made available in an appropriate domain on the C&CS web page.

All data generated by C&CS (after IP protection) will be also made available on the GLAMOUR website.

3.10.6 DATA PRESERVATION AND ARCHIVING

The consortium policy for data preservation and archiving shall be followed (at least 5 years after the formal end of the project: five years after the payment of the balance, see the Grant Agreement). In the absence of such a project-specific policy, the data shall be archived and stored like the data from any other C&CS project.