



RE4iINDUSTRY

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for Energy Intensive Industries
Grant Agreement N° 952936

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Executive summary

As part of Horizon 2020, the RE4Industry Project participates in a pilot action on open research data (ORDP). The aim is to provide indications as to what kind of data the project will collect, how the data will be preserved and which sharing policies will be adopted towards making these data readily available to research community.

The first version of the RE4Industry Data Management Plan (DMP) describes the procedures used in the project for handling of primary and secondary data during and after the end of the project. The DMP discusses what kind of data will be collected, processed and synthesized, which methodology and standards will be applied during data collection and handling, elaborates procedures for sharing and open access to the RE4Industry data and for curation and preservation of the data.

Furthermore, procedures in relation to the General Data Protection Regulation (GDPR) are defined and how RE4Industry ensures the protection of the involved companies' data, information and privacy rights.

This Data Management Plan (DMP) details what kind of research data will be created during the project's lifespan and prescribes how these data will be made available - and thus re-usable and verifiable - by the larger research community. The project's efforts in the area of open research data are outlined giving particular attention to the following issues:

- The types of open and non-open data that will be generated or collected by the consortium, via research, during the project's lifespan;
- The technologies that will be used to securely preserve the data long-term;
- The standards used to encode the data;
- The data exploitation plans;
- The sharing/access policies applied to each data-set.

The plan can be considered as a checklist for the future and as a reference for the resource and budget allocations related to data management.

The present DMP will evolve as the project progresses in accord with the project's efforts in this area. At any time, the DMP will reflect the current state of the consortium's agreements regarding data management, exploitation and protection of rights and results.

For each partner involved in the collection or generation of research data a short technical description is given stating the context in which the data has been created. The different data-sets are identified by project-wide unique identifiers and categorized through additional meta-data such as, for example, the sharing policy attached to it.

The considered storage facilities are outlined, and tutorials are provided for their use (submitting and retrieving the research data). A further appendix lists the format standards that will be used to encode the data and provides references to technical descriptions of these formats.

The DMP is intended to be a living document in which information can be made available on a finer level through updates as the implementation of the project progresses and when significant changes occur. Therefore, DMPs should have a clear version number and include a timetable for updates



Abbreviations

Abbreviation	Definition
ORDP	Open Research Data Pilot
GDPR	General Data Protection Regulation
DMP	Data Management Plan
WP	Work Packages
DoA	Description of Action
FAIR	Findable, Accessible, Interoperable, Re-Usable
R&D	Research and Development
GA	Grant Agreement
CA	Consortium Agreement
EII	Energy Intensive Industries
DOI	Digital Object Identifier
SME	Small-Medium Enterprises
QA	Quality Assurance
QC	Quality Control
DLV	Deliverable
PC	Project Coordinator
WPL	Work Package Leader
TL	Task Leader
SC	Steering Committee



1 Introduction and objectives

This first version of the Data Management Plan (DMP) facilitates an overview regarding the data and information collected throughout the lifespan of the RE4Industry Project and shows the interactions and interrelation of the collected data both, within and between the different Work Packages (WP).

The DMP will also link these activities to the RE4Industry partners and establish their responsibilities with respect to all the data handling aspects.

In essence, the aim of the Data Management Plan is to consider the different aspects of data management since the beginning of the project to ensure that outcomes are well managed in the present and prepared for preservation in the future.

An overview on Open Access will be given and different repositories will be investigated in order to find the most appropriate modality for ensuring open access to discoverable data and scientific publications generated throughout the project lifecycle.

This plan will establish the measures for promoting the findings during the RE4Industry's lifecycle and will set the procedures for the sharing, collections, storage, protection, retention and destruction of data and certify they comply with national and EU legislation. Addressing FAIR principle for research data (Findable, Accessible, Interoperable and Re-Usable) RE4Industry DMP will consider:

- Data set reference and name
- Data set description
- Standards and metadata
- Data sharing and handling during and after the end of the project
- Archiving and preservation (including after the end of the project)

This is the first version of the Data Management Plan (DMP), to be revised during the course of the project within WP1 Management and Coordination, including new data, changes in consortium policies regarding innovation potential or decision to file a patent, and changes in the consortium composition and external factors.

Moreover, this deliverable reports a preliminary strategy for the ethic and correct management of some data generated in the framework of RE4Industry project activities that incidentally can come from the participation of humans and related sensible data.

The following deliverable has made use of the Horizon 2020 FAIR Data Management Plan Template [1] and was written with reference to the Guidelines to FAIR data management in Horizon 2020 and the GDPR (Regulation (EU) 2016/679) OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 27 April 2016.



1.1 DMP Structure

DMP components	Issues to be addressed
<p>1. Data summary</p>	<ul style="list-style-type: none"> • State the purpose of the data collection/generation • Explain the relation to the objectives of the project • Specify the types and formats of data generated/collected • Specify if existing data is being re-used (if any) • Specify the origin of the data • State the expected size of the data (if known) • Outline the data utility: to whom will it be useful
<p>2. FAIR Data 2.1. Making data findable, including provisions for metadata</p>	<ul style="list-style-type: none"> • Outline the discoverability of data (metadata provision) • Outline the identifiability of data and refer to standard identification mechanism. Do you make use of persistent and unique identifiers such as Digital Object Identifiers? • Outline naming conventions used • Outline the approach towards search keyword • Outline the approach for clear versioning • Specify standards for metadata creation (if any). If there are no standards in your discipline describe what type of metadata will be created and how
<p>2.2 Making data openly accessible</p>	<ul style="list-style-type: none"> • Specify which data will be made openly available? If some data is kept closed provide rationale for doing so • Specify how the data will be made available • Specify what methods or software tools are needed to access the data? Is documentation about the software needed to access the data included? Is it possible to include the relevant software (e.g. in open source code)? • Specify where the data and associated metadata, documentation and code are deposited • Specify how access will be provided in case there are any restrictions
<p>2.3. Making data interoperable</p>	<ul style="list-style-type: none"> • Assess the interoperability of your data. Specify what data and metadata vocabularies, standards or methodologies you will follow to facilitate interoperability. • Specify whether you will be using standard vocabulary for all data types present in your data set, to allow inter-disciplinary interoperability? If not, will you provide mapping to more commonly used ontologies?



<p>2.4. Increase data re-use (through clarifying licenses)</p>	<ul style="list-style-type: none"> • Specify how the data will be licensed to permit the widest reuse possible • Specify when the data will be made available for re-use. If applicable, specify why and for what period a data embargo is needed • Specify whether the data produced and/or used in the project is useable by third parties, in particular after the end of the project? If the re-use of some data is restricted, explain why • Describe data quality assurance processes • Specify the length of time for which the data will remain re-usable
<p>3. Allocation of resources</p>	<ul style="list-style-type: none"> • Estimate the costs for making your data FAIR. Describe how you intend to cover these costs • Clearly identify responsibilities for data management in your project • Describe costs and potential value of long term preservation
<p>4. Data security</p>	<ul style="list-style-type: none"> • Address data recovery as well as secure storage and transfer of sensitive data
<p>5. Ethical aspects</p>	<ul style="list-style-type: none"> • To be covered in the context of the ethics review, ethics section of DoA and ethics deliverables. Include references and related technical aspects if not covered by the former
<p>6. Other</p>	<ul style="list-style-type: none"> • Refer to other national/funder/sectorial/departmental procedures for data management that you are using (if any)

Table 1: Template Horizon 2020 Data Management Plan (DMP) Structure

An overview on Open Access and in particular on the Open Research Data Pilot will be given and different repositories will be investigated in order to find the most appropriate modality for ensuring open access to discoverable data and scientific publications generated throughout the project lifecycle.

As a living document, the DMP will be updated through the lifespan of the project and further information as well as ad hoc updates will be added in order to include new data, better detail and/or reflect changes in the methodology or other aspects relevant to their management (such as costs for making data FAIR, size of the data, etc.). Therefore, DMPs should have a clear version number and include a timetable for updates.



2 Open Access

Open access can be defined as the practice of providing online access to scientific information that is free of charge to the reader. In the context of R&D, open access typically focused on access to “scientific information” or “research results”, which refers to two main categories:

- Peer-reviewed scientific research articles if project results are going to be disseminated in academic journals
- Scientific research data, meaning that not only data underlying the aforementioned scientific publications, but also any other data related to project activities (either processed or raw).

Open Access is not a requirement to publish, but it is seen by the European Commission as an approach to facilitate and improve the circulation of information in the European Research area and beyond. Open access to some data generated in projects funded by the European Commission is the key to lower barriers to access publicly funded research. It also demonstrates and shares the potential of research activities supported with the help of public funding.

Within RE4Industry project, Open Access data related to several key activities of the project, such as: the review of EIs sector status, the map-based platform for EIs best cases, highlights of the retrofitting options in project cases studies or the technological and sector vision reviews of RE solutions in the path towards decarbonisation, can enhance the market/research opportunities to the industrial partners. Also, the opportunity for public authorities and key stakeholders to be involved in the activities of the project can be increased, by their direct participation through the different Expert Groups and Committees; or by being part of the RE4Industry network.

Open access (OA) is understood as the free, online provision of re-useable scientific information to other users. There are many good reasons to make the data and findings from publicly funded research openly available to the research community, the commercial sector and civil society.

As the “Guidelines to the rules on Open Access to Scientific Publications and Open Access Research Data in Horizon 2020” (EC DG R&I, 2017) outline, more open access to scientific publications and data serves a number of purposes. It will:

- Improve the quality of research by building on a stronger body of existing work
- Increase efficiency of research by reducing duplication of effort
- Bring innovations to market quicker by reducing barriers to information flow, and
- Enhance the transparency of scientific progress.

There is also the economic and ethical principle that information that has been paid for with public money should not have to be paid for again when it is required for use by other researchers, industry, or citizens.



2.1 Open Access in the Grant Agreement

The importance given by the European Commission to the open access issue is clearly outlined in the RE4Industry Grant Agreement (GA N° 952936). Specifically, Article 29.2 states the responsibilities of beneficiaries and the actions to be undertaken in order to ensure open access to scientific publications. The Article 29.2 reads:

29.2 Open access to scientific publications

Each beneficiary must ensure open access (free of charge online access for any user) to all peer-reviewed scientific publications relating to its results.

In particular, it must:

(a) as soon as possible and at the latest on publication, deposit a machine-readable electronic copy of the published version or final peer-reviewed manuscript accepted for publication in a repository for scientific publications.

Moreover, the beneficiary must aim to deposit at the same time the research data needed to validate the results presented in the deposited scientific publications.

(b) ensure open access to the deposited publication — via the repository — at the latest:

(i) on publication, if an electronic version is available for free via the publisher, or

(ii) within six months of publication (twelve months for publications in the social sciences and humanities) in any other case.

(c) ensure open access — via the repository — to the bibliographic metadata that identify the deposited publication.

The bibliographic metadata must be in a standard format and must include all of the following:

-the terms “European Union (EU)” and “Horizon 2020”;

-the name of the action, acronym and grant number.

-the publication date, and length of embargo period if applicable, and

-a persistent identifier

Article 29.3 regarding **Open access to research data**, it reads:

(a) deposit in a research data repository and take measures to make it possible for third parties to access, mine, exploit, reproduce and disseminate — free of charge for any user — the following:

- the data, including associated metadata, needed to validate the results presented in scientific publications, as soon as possible.
- (ii) not applicable.
- (iii) other data, including associated metadata, as specified and within the deadlines laid down in the ‘data management plan’ (see Annex 1)



(b) provide information — via the repository — about tools and instruments at the disposal of the beneficiaries and necessary for validating the results (and — where possible — provide the tools and instruments themselves).

This does not change, however, the *obligation to protect results* in Article 27, *the confidentiality obligations* in Article 36, *the security obligations* in Article 37 or the *obligations to protect personal data* in Article 39, all of which still apply. The confidentiality aspects have been duly taken into account in the preparation of this document in order do not compromise the protection of project results and legitimate interests of project partners.

2.2 Open Access in the Research Data Pilot

Horizon2020 has launched an Open Research Data Pilot (ORDP) aiming at improving and maximising access to and re-use of research data generated by projects (e.g. from experiments, simulations and surveys). These data are typically small sets, scattered across repositories and hard drives throughout Europe.

The success of the EC's Open Data Pilot is therefore dependent on support and infrastructures that acknowledge disciplinary approaches on institutional, national, and European levels. The pilot is an excellent opportunity to stimulate and nurture the data-sharing ecosystem and has the potential to connect researchers interested in sharing and re-using data with the relevant services within their institutions (library, IT services), data centres and data scientists. The pilot should serve to promote the value of data sharing to both researchers and funders, as well as to forge connections between the various players in the ecosystem.

According to RE4Industry Grant Agreement (GA N° 952936), as stated below, this project is part of the Open Research Data Pilot RE4Industry partners agreed on this project being part of the Open Research Data Pilot, nevertheless data provided by Partner 11, Purac Biochem B.V. (hereinafter Corbion) would not be part of the ORDP due to its confidential nature

Access to project data and Open Access to all publications

Nevertheless, it is expected that part of the information and the data will be property of the industrial companies involved in the project, so their confidential information will be protected at the same time as non-confidential information will be published in order to fulfil the project's dissemination goals. When the information is published in the form of publications, the project will ensure they are in Open Access to maximise the impact of RE4Industry.



Open Research Data Pilot project aims at supporting researches in the management of research data throughout their whole lifecycle, providing answers to key issues such as “what”, “where”, “when”, “how” and “who”

What	The Open Data Pilot covers all research data and associated metadata resulting from EC-funded projects, if they serve as evidence for publicly available project reports and deliverables and/or peer reviewed publications. To support discovery and monitoring of research outputs, metadata must be made available for all datasets, regardless of whether the dataset itself will be available in Open Access. Data repositories might consider supporting the storage of related project deliverables and reports, in addition to research data.
Where	All research data must be registered and deposited into at least one open data repository. This repository should: provide public access to the research data, where necessary after user registration; enable data citation through persistent identifiers; link research data to related publications (eg. journals, data journals, reports, working papers); support acknowledgement of research funding within metadata elements; offer the possibility to link to software archives; provide its metadata in a technically and legally open format for European and global re-use by data catalogues and third-party service providers based on wide-spread metadata standards and interoperability guidelines. Data should be deposited in trusted data repositories, if available. These repositories should provide reliable long-term access to managed digital resources and be endorsed by the respective disciplinary community and/or the journal(s) in which related results will be published (e.g., Data Seal of Approval, ISO Trusted Digital Repository Checklist).
When	Research data related to research publications should be made available to the reviewers in the peer review process. In parallel to the release of the publication, the underlying research data should be made accessible through an Open Data repository. If the project has produced further research datasets (i.e. not necessarily related to publications) these should be registered and deposited as soon as possible, and made openly accessible as soon as possible, at least at the point in time when used as evidence in the context of publications.
How	The use of appropriate licenses for Open Data is highly recommended (e.g. Creative Commons CC0, Open Data Commons Open Database License).
Who	Responsibility for the deposit of research data resulting from the project lies with the project coordinator (delegated to project partners where appropriate)

Table 2: Key issues responses

2.3 Open Research Europe

Recently, the European Commission introduced the Open Research Europe – The European Commission open access publishing platform.

This platform will provide Horizon 2020 and Horizon Europe beneficiaries with a venue to publish their results in full compliance with the EC open access policies with an easy, high quality peer-reviewed venue to publish the results at no cost. The article processing charges will be paid through a procurement contract for publishing and technology services with F1000 Research managed by the EC. The service will be available also after the end of the grants.

The article guidelines for publishing in the platform have just been released and submissions will be possible as of early December 2020 and can be found [here](#).



3 Data summary

Following the EU's guidelines regarding the DMP, this section aims to address:

- The purpose of the data collection/generation and its relation to the objectives of the project
- Types and formats of data generated/collected by the project
- Re-use of any existing data
- Origin of the data
- Expected size of the data
- Data utility

This section shall provide a description of those elements in order to ensure their understanding by the partners of the consortium. At this early stage of the project, an estimation of the size data cannot be given.

3.1 Purpose of the data collection

The successful development of the RE4Industry project requires a deep recollection of data regarding Energy Intensive Industries, so as key sectorial stakeholders.:

Personal data:

- multi-actor strategy based on a collaborative network,
- collaborative project structures at national (ES, GR, DE, NL) and European level, namely National Clusters, Expert Groups and Committees.

Active data and metadata:

- Sector vision, industry perceptions and needs
- Policy framework and recommendations
- overview of EII sectors in Europe
- status of the sector in EU
- mapping tool for EII best cases
- description of success cases to name a few). In this context
- Analysis of industrial needs and solutions of the project industrial case studies
- Interactive assessment for retrofitting options in these industries
- National and European policy framework for RE integration in EII
- Technological review of RE solutions in the short and long term
- Analysis of RE integration in each EII
- Technological and knowledge transfer (in-house the case studies and to additional companies), so as cross-border transfer to other industries and organisations

It is worth mentioning, that the data for the population of the mapping tool, which will be use on Task 3.2, will be compiled from already existing public databases (e.g. ETS) or directly from companies or sector organizations.



Additionally, the information and data used in T5.1 and T5.2 to analyze the different technological options for RE integration in the short and long-term will be also developed from public reports and databases, and completed thanks to the feedback from the Expert Groups summoned in WP2.

3.1.1 Types and formats of data

In this stage of the project is quite difficult to compile all the data types and formats RE4Industry project will collect/produce.

In order to ensure that it can be easily shared and worked with by all partners involved, mainly widespread usage data types will be used:

- Microsoft Office formats: .doc, .docx, .xls, .xlsx, .ppt, .pptx
- Illustrations and graphic designs: Microsoft Visio (.vsd), Adobe Photoshop, Illustrator and InDesign (format: mostly .jpg, .tiff and .ai files)
- PDF: final DLV versions, variety of other documents such as reports and leaflets
- Audio/Video files: MP3 or WAV and Windows Media Video or Quicktime Movie
- Regarding the size of the data, a size not to generate conflicts with email recipients will be set (at 15MB). In case of larger files, RE4Industry Teams repository will be used.

3.1.2 Re-using existing data

RE4Industry aims at making use of as much previous research effort, existing literature and knowledge as possible.

External stakeholders input will be relevant to the overall development of the project and activities within the RE4Industry.

With that in mind and aside from the consortium partners, a brief resume of the data that will be re-used from the aforementioned stakeholders includes:

- EII status overview
- EII RE successful cases
- RE technological review for short and long-term solutions
- Handbooks from other H2020 projects
- Policy framework from additional EC sources
- Market actors
- SMEs
- Policymakers

On the other side, pre-existing data are also foreseen to be collected / generated and utilised during the project's implementation. Data collected through detailed research will provide valuable information in order to identify good examples, map the regional and EU framework, value chain conditions and policy framework, and also gather information on stakeholder's perception and needs.



3.2 Expected generated data

In order to fulfil the objectives of RE4Industry, the project team expects to be collecting data of various kinds, sizes and qualities. As of the writing of this first draft, it can be anticipated that the RE4Industry project will collect and/or generate the following type of data:

- Simulations in terms of energy balance, for the analysis of the different RE compatibility and integration in the EIs
- Mapping of cases of interest
- Bibliography research
- Metadata about existing and comparable projects and field test
- Interview and survey data from stakeholders
- Direct input methods (bibliography research for instance)
- Key data obtained from the participation in external events or webinars

The direct input methods refer to the one involving methodologies of data collection through desk research and interactions between consortium partners and external stakeholders, with the latter providing data to the former. External stakeholders will undertake the role of data subject, whose personal data is being processed. The identification and selection of suitable data subjects are based on purposeful sampling according to which, external stakeholders are identified and selected by consortium partners based on their role within the RE4Industry project.

3.3 Data Repository

All the data gathered and generated during the project will be stored and preserved in an online data repository linked to the project website with access limited to the RE4Industry Consortium, managed by CIRCE. Specific metadata related to the project (i.e. T2.2, Collaborative thematic panels or Task3.2, Mapping tool for EIs best cases) will be managed by the WP leader in the first place.

Sensible and confidential information will not be disclosed outside the RE4Industry Consortium.

Concerning the open access of the data, different online repositories will be investigated in subsequent stages of the project.

[Zenodo](https://www.openaire.eu/): is the open access repository of OpenAIRE (the Open Access Infrastructure for Research in Europe, <https://www.openaire.eu/>). OpenAire's main goal is to provide unlimited, barrier free, open access to research outputs financed by public funding in Europe.

A small tutorial on the Zenodo repository can be found in Annex I



4 FAIR Data

The Horizon2020 FAIR DATA MANAGEMENT PLAN TEMPLATE highlights the importance of the FAIR DATA. This principle applies to the data that must be “findable”, “accessible”, “interoperable” and “re-usable”. This means using standards and metadata to make data discoverable, specifying data sharing procedures and which data will be open, allowing data exchange via open repositories as well as facilitating the reusability of the data.

The following sections of the DMP lay out the methodology followed in the framework of RE4Industry with respect to FAIR DATA.

4.1 Making data and metadata findable

4.1.1 Dataset description

In this stage of the project is quite difficult to compile all the data types and formats RE4Industry project will collect/produce. In order to ensure that it can be easily shared and worked with by all partners involved, mainly widespread usage data types will be used:

- Microsoft Office formats: .doc, .docx, .xls, .xlsx, .ppt, .pptx
- Illustrations and graphic designs: Microsoft Visio (.vsd), Adobe Photoshop, Illustrator and InDesign (format: mostly .jpg, .tiff and .ai files)
- PDF: final DLV versions, variety of other documents such as reports and leaflets
- Audio/Video files: MP3 or WAV and Windows Media Video or Quicktime Movie
- Regarding the size of the data, a size not to generate conflicts with email recipients will be set (at 15MB). In case of larger files, RE4Industry Teams repository will be used.

4.1.2 Naming conventions

Data searchability can be greatly enhanced following a consistent set of naming conventions. Because of this, RE4Industry creates consistent data file names that provide clues to their content, status and versioning, while also increasing their discoverability. In doing so, project partners as well as interested stakeholders can easily identify a file as well as classify and sort them.

Best practice in naming convention, is to create brief yet meaningful names for data files, that facilitate classification. The naming convention should avoid the utilisation of spaces, dots and special characters (such as & or !), whereas the use of underscores is endorsed, to separate elements in the data file name and make them understandable. At the same time, versioning should be a part of a naming convention to clearly identify the changes and edits in a file.

The naming convention employed by the project is described below:

RE4Industry_[Name of the document]_[Number of the data]_[date]_[Version number]

- RE4Industry: The name of the project.
- Name of Study: A short version of the name of the activity for which the dataset is created.
- Number of the dataset: An indication of the number assigned to the dataset.



- Date: The date on which the latest version of the dataset was modified (YYYY.MM.DD.).
- Version number: The versioning number of a dataset

When possible, Digital Object Identifier (DOI) will be used to identify content and provide a persistent link to its location on the Internet. DOI is a unique alphanumeric string assigned by a registration agency (the International DOI Foundation). The publisher assigns a DOI when an article is published and made available electronically.

All DOI numbers begin with a 10 and contain a prefix and a suffix separated by a slash. The prefix is a unique number of four or more digits assigned to organizations; the suffix is assigned by the publisher and was designed to be flexible with publisher identification standards.

4.1.3 Search keywords

The project's data will be provided with easy-to-use search keywords with a view to optimize its re-use by interested stakeholders during its entire lifetime. With that in mind, the metadata standards employed by RE4Industry provide opportunities for tagging the data collected / generated and its content with keywords. In general, keywords are a subset of metadata and include words and phrases used to name data.

In the context of RE4Industry, keywords are used to add valuable information to the data collected / generated as well as to facilitate the description and interpretation of its content and value. Along these lines, the project's strategy on keywords is underpinned by the following principles:

- The who, the what, the when, the where, and the why should be covered.
- Consistency among the different keyword tags needs to be ensured.
- Relevant, understandable, and clear keywording ought to be sought.

In general, the keywords will comprise terms related to innovation to finance, information asymmetries, Technology Rating System, investors as well as SMEs. The keywords will accurately reflect the content of the datasets and avoid words used only once or twice within them.

Every deliverable that produces core output will be tagged with keywords following the JEL Classification System (<https://www.aeaweb.org/econlit/jelCodes.php>).

4.1.4 Version numbers

Versioning of information makes a revision of datasets uniquely identifiable and can be used to determine whether and how data changed over time and to define specifically which version the creators / editors are working with.

Effective data versioning enables understanding if a newer version of a dataset is available and which are the changes between the different versions allowing for comparisons and preventing confusion.

In this context, a clear version number indicator is used in the naming convention of every data file produced during RE4Industry in order to facilitate the identification of different versions.



4.1.5 Generated metadata

As further explained on section 3.2, at this early stage of the project is expected that RE4Industry generates/collects data regarding simulations in terms of energy balance, mapping of cases of interest etc.

For a more detailed generated data description, please check the before mention Sec. 3.2, Expected generated data.

It is on the aim of the project to fully complete this section on following DMP updates.

4.2 Making data and metadata openly accessible

As part as the ORDP, RE4Industry aims to “make the data collected / generated by selected projects openly available with as few restrictions as possible, while at the same time protecting sensitive data from inappropriate access”.

The project adopts the good practice encouraged by the ORDP, namely making data as open as possible and as closed as necessary. This calls for project partners to disseminate the project’s data that have the potential to offer long-term value to external stakeholders and do not harm the confidentiality and privacy of the stakeholders that contributed to the collection/generation of this data, with a view to maximising the beneficial impact of RE4Industry.

Only anonymised and aggregated data will be made open to ensure that data subjects cannot be identified in any reports, publications and / or datasets resulting from the project.

Public access to the open data will be made possible through the RE4Industry project website:

<https://re4industry.eu/>

4.3 Repository of documents

As detailed on Sec. 3.3, all the data gathered and generated during the project will be stored and preserved in an online data repository linked to the project website with access limited to the RE4Industry Consortium, managed by CIRCE. Specific metadata related to the project (i.e.T2.2, Collaborative thematic panels or Task3.2, Mapping tool for EEIs best cases) will be managed by the WP leader in the first place.

Sensible and confidential information will not be disclosed outside the RE4Industry Consortium.

Concerning the open access of the data, online repositories will be used, like Zenodo, currently being discuss by the consortium. A small tutorial on the Zenodo repository can be found in Annex I

4.4 Non-sharable datasets

Closed data are intended to be sorted and shared among authorised members of the consortium through RE4Industry MS Teams platform and/or cloud storage and file sharing providers which constitute structures that maintain and manage data and make this data accessible over the internet.

On the next table, confidential (and thus, non-sharable with RE4Industry Consortium non-authorised



external members) DLVs are listed.

DLV Title	Type	Due Date
D2.1 Engagement Strategy first version	Report	28/02/2021
D2.2 Engagement Strategy update	Report	28/02/2022
D2.3 RE4Industry Collaborative Network first reporting	Report	28/02/2022
D2.4 RE4Industry Collaborative Network final reporting	Report	31/08/2023
D2.8 Industry Perception: Barriers, drivers and opportunities for RE market	Report	28/02/2023
D4.2 Initial vision document on case study company current and future energy needs and solutions	Report	30/11/2021
D4.3 Final vision document on case study company current and future energy needs and solutions	Report	28/02/2023
D4.4 Report on technoeconomic environmental and social assessment for RE integration at SIDENOR	Report	31/12/2022
D4.5 Report on technoeconomic environmental and social assessment for RE integration at CORBION	Report	31/12/2022
D4.6 Report on technoeconomic environmental and social assessment for RE integration at MYTILINEOS	Report	31/12/2022
D6.2 Report on in-house knowledge transfer	Report	31/08/2023
D6.3 Report on knowledge transfer through additional use cases and Industry Fora	Report	31/08/2023

Table 3: List of non-public DLVs

4.5 Making data interoperable

Following the FAIR principle, the data interoperability is another issue to take into account. That is, that the data produced and/or generated is allowing data exchange and re-use between researches, institutions organisations, countries, etc. (i.e. adhering to standards for formats, as much as possible compliant with available (meaning open) software applications and in particular facilitating re-combinations with different datasets from different origins).

RE4Industry has adopted in its data management examples of interoperability that may include:

- Format used by the Provider to represent an Information Object differs from the format



expected by the Consumer/User to support a processing activity

- Interface through which the Information Object access function is supported by the Provider differs from the one the Consumer/User is expected to use for content fetching
- Semantic of search function implemented by the Provider is different from the semantic the Consumer/User aims at relying on to support a cross system search
- Policy governing Information Object consumption supported by the Provider is different from the Policy expected by the Consumer/User

In order to avoid interoperability issues, which occurs when the resource does not meet customer or users expectations, interoperability solutions aiming to reconciling the differences captured by an interoperability issue are designed. In this sense:

- Solution 1: the transformation and exposure of metadata objects through the harvesting protocol and format expected by the Consumer
- Solution 2: the implementation of a search client based on a search interface specification implemented by the Provider
- Solution 3: the implementation of policies client-side and server-side to guarantee the agreed quality of service on a distributed search operation

The DL or Digital Library and Methodological Cookbook contains a rich array of best practices and pattern solutions to common interoperability issues faced when building interoperable Digital Libraries.

These solutions are described as to highlight the following aspects:

- overview: a description of the context of the proposed item including a characterisation in terms of the Interoperability Framework and providing the reader with pointers to extensive descriptions of it;
- requirements: a description of which settings for Organisational, Semantic and/or Technical aspects should occur in order to make it possible to use the solution;
- results: a description of the changes resulting from the exploitation of the solution in Organisational, Semantic and/or Technical aspects;
- implementation guidelines: a description of how the solution has to be implemented;
- assessment: an evaluation of the quality of the proposed approach including an estimation of its implementation cost and effectiveness. A brief overview of the analysed issues and the proposed practices and solutions is described in the remainder of this booklet.

4.5.1 Standards

In this sense, standard vocabularies for all data types will be present in the data set, allowing interdisciplinary interoperability. For example, when an acronym is used for the first time, an explanation between brackets will be drafted.



Besides, every deliverable includes a list of acronyms and abbreviations in which all necessary definitions to guarantee a proper interoperability among users and consumers

The following [typographic conventions](#) are used in this specification:

- A variable in pseudo-code or in an algorithm description is in italics (*variable*).
- A definition of a term, to be used elsewhere in this or other specifications, is in bold and italics (***definition***)
- A reference to a definition in this document is underlined and is also an active link to the definition itself ([definition reference](#))
- A reference to a definition in this document, when the reference itself is also a markup, is underlined, red-orange monospace font, and is also an active link to the definition itself ([markup definition reference](#))
- A reference to a definition *in another document* is underlined, in italics, and is also an active link to the definition itself.
- A hyperlink is underlined and in blue ([hyperlink](#)).
- A document reference (normative or informative) is enclosed in square brackets and links to the references section [[reference](#)]

4.5.2 Data quality assurance

Quality Assurance (QA) and Quality Control (QC) activities are an integral part of RE4Industry Data Management methodology and are implemented prior to the publication of any data to RE4Industry website, safeguarding the transparency, consistency, comparability, completeness and accuracy of the data.

To this matter, a process to ensure data is properly treated prior to release is established. This process consists of a series of reviewers determined on the DLV (Deliverable) D1.7, Project Management Plan First version, The deliverable review process, which has been presented and accepted by the whole consortium, is detailed in D1.7, and indicates the partner(s) responsible of reviewing each project DLV. Below is summarized the Quality Assurance RE4Industry follows:

- QA is a planned system of review procedures conducted outside the framework of developing a dataset, by personnel not directly involved in the dataset development process. In the context of RE4Industry, it takes the form of peer-reviews of methods and/or data summaries to assess the quality of the dataset and identify any need for improvement, ensures that the dataset correctly incorporates the scientific knowledge and data generated.
- QC is defined as a system of checks to assess and maintain the quality of the dataset being compiled. The relevant procedures of RE4Industry are designed to provide routine technical checks as they measure and control data consistency, integrity, correctness, and completeness as well as identify and address errors and omissions. In this context, everything from data acquisition and handling, application of approved procedures and methods, and documentation is covered. Some of the general quality checks undertaken in the framework of the project include checking (i) for transcription errors in data input; (ii) that generated data is within the range of acceptable values; and (iii) whether proper naming conversions are used.



4.6 Increase data re-use

Data re-usability constitutes a key element of the RE4Industry FAIR Data Management methodology. Making data available for re-use ensures interested stakeholders, can benefit from this data, contributing towards maximising the impact of the project.

For RE4Industry itself its expected that non-disclosed data will become available for re-use 4 years after the end of the project (i.e. collection, anonymisation, aggregation, etc.) to ensure that any additional data management activities required to this end do not compete with the timely delivery of the project's planned outputs.

Regarding the data re-use RE4Industry will make used of, the project aims at making use of as much previous research effort, existing literature and experiences as possible.

Due to the important nature of this project, it is precise that all generated information and data in the project can be reused at some point in further projects and experiments.

During the project lifetime and beyond, the public data will be licensed to allow the widest re-use, making it available by following the tools, platforms and standards defined in this document. For confidential data regarding activities touched on section 4.2, please refer to the said date in order to know when the confidential data will be made public.

In a further version, the results of these tools will permit to evaluate if further procedures will be needed to address the reusability of data.



5 Allocation of resources

5.1 Data management responsibilities

As Coordinator of the RE4Industry Project, CIRCE is ultimately responsible for data management. Nonetheless, for the proper, effective and secure handling of the RE4Industry collected and/or generated data on the different Work Packages, an establishment of specific data management roles is required.

To this regard, responsibilities roles have been managed:

- **Project Coordinator (PC):** The PC, CIRCE, is responsible for the overall data management in the framework of RE4Industry, including the elaboration of the DMP and its updates (when necessary and with support of all partners). At the same time, the PC is responsible for the elaboration of proper templates for the informed consent form and information sheet to be appropriately adjusted and utilised by project partners during the relevant activities of the project.
Finally, the PC works closely with Work Package and Task Leaders, in order to determine whether and how the collected and/or generated data during the lifespan of the project is shared, and how it will become available for re-use.
- **Work Package Leaders (WPL):** 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 Task Leader on whether and how the data gathered and/or produced under the tasks that fall within the WP they are leading will be shared and/or re-used.
Finally, the WPL are the main responsible for assuring the quality of the data stemming from the activities of the WP they are leading, including assessing their quality and indicating any need for improvement to the respective Task Leaders.

5.2 Estimated costs

Regarding the costs related to make data FAIR in the project as well as open access to research data are eligible as part of the Horizon 2020 Grant, as long as they comply with the Grant Agreement conditions.

Resources for long term preservation, associated costs and potential value, as well as how data will be kept beyond the project and how long, will be discussed by the whole consortium during General Assembly meeting.



6 Data security

RE4Industry aims to secure any collected and/or generated data, guaranteeing the findability, interoperability and reusability of the said data during the project lifespan and after the end of the project.

Particularly, in case of personal data collection and generation, it will only be accessible by those authorised to do so. By the store of all kind of data (both collected and generated) in the projects intranet (MS Teams), its ensured that no data loss will occur during the course of the project and after the competition of the RE4Industry project ends.

Additionally, public results are set to be stored in a public repository (e.g.: ZENODO) and properly standardize following the FAIR principle.

As coordinator, CIRCE will keep a copy of all documentation during and beyond the projects lifetime.

Nonetheless, all project partners are responsible for data being processed within their private servers and will ensure that this data is protected, and any necessary data security controls have been implemented in order to minimize the risk of information leak and destruction.

Regarding confidential data: this type of data refers to the data that will be closed and thus, will not be shared as stated on the article 10: Non-disclosure of information, signed by the RE4Industry Consortium on the Consortium Agreement.

As additional security measures, a Memorandum of Understanding it's been signed between the RE4Industry Consortium and third parties/stakeholders regarding the engagement strategies. A copy of the said MoU can be found on the Annex II of this deliverable. This MoU will be used by partners to approach clusters, expert groups and committees for the optimal development of the RE4Industry project. This MoU does not prevail against the Grant Agreement nor the Consortium Agreement.

A Non-Disclosure Agreement will also be signed in order to protect confidential information from the partners. Specifically, this NDA will be important for the actions regarding on the WP4 of the RE4Industry project, Case studies on innovative solutions for RE adoption in EII's. A copy of this NDA can be found in Annex III, though agreed between partners, each one of them would prefer to use the ones provided by them legal services. CIRCE has made sure that none of them goes against nor the GA or the CA.

It is worth mentioning, between industrial partners and technological partners, an NDA may also be signed in order to protect any confidential confirmation any partner would like to protect.



7 Ethical aspects

7.1 Collection, storage and protection of personal data

Ethical aspects of the RE4Industry DMP and the ethical compliance of the underlying data foreseen to be collected and/or generated under the project activities. The project will process data that are not included in any special category of personal data (i.e., non-sensitive data).

The collection and/or generation of data from individuals participating in the project's activities is based upon a process of informed consent. Any personal data collected and/or generated in the framework of RE4Industry is processed according to the principles laid out by the **Regulation (EU) 2016/679 of the European Parliament and of the Council of 27 April 2016** as stated on the point 7.2: Consortium agreement on GDPR.

Along these lines, collected and/or generated data will be used only for specified, explicit and legitimate purposes relative to project's objectives.

Moreover, all project partners tasked with processing data during RE4Industry fully abide with their respective applicable national as well as EU regulations.

The Consent Form used in the implementation of the projects activities are compliant with the General Data Protection Regulation and can be found in Annex IV of the deliverable.

7.2 Consortium agreement on GDPR

RE4Industry consortium agreed and signed the following clauses related to the GDPR (GENERAL DATA PROTECTION REGULATION) within the Consortium Agreement signature:

“Each Party of this Consortium Agreement shall be responsible for the personal data referred to their employees, collaborators, trainees, and/or other possible categories of data subjects, while the Consortium Agreement is in force.

In this sense, regarding the personal data made available to the rest of Partners on the occasion of the execution of the Project, the Partners shall reciprocally guarantee-in their condition of assignors -duly fulfil all the obligations under the General Data Protection Regulation, Regulation (EU) 2016/679 of the European Parliament and of the Council of 27 April 2016, to their processing and subsequent communication to the rest of Partners and to third parties, such as granting entities, control bodies and any other competent authorities, in relation to the granting and justification of the Project.

In view of the above, the Partners shall not be liable in any case for any possible breaches on Data Protection Regulation in which the rest of the Partners may have incurred regarding the personal data conveyed. Therefore, the Partners shall hold harmless themselves of any consequence which may arise from such breaches, including the possible sanctions imposed by the competent control



authority.

Likewise, the Partners shall undertake to keep the strictest confidentiality of the personal data to which they have access with the occasion on the Project, and they shall maintain secrecy and shall not be entitled to communicate nor cease them to the rest of the Partners of the Project, unless necessary for Project implementation. Personal data shall not be disclosed in any case to any third party or published without the prior written consent by the person concerned.

Lastly, given the monitoring and control obligations to which all the parties are subject to, in the frame of the project, the parties will be obliged to graphically document the works carried out and the meetings held on the occasion of the project, with the aim to implement promotion and dissemination actions required by the entities and control bodies. To that effect, each Party shall have informed their employees or collaborators who take part in the Project about the fact that the work meetings, formative and/or dissemination of Project activities in which they may participate, may be filmed and photographed. The parties may be entitled to publish these videos and images in its Web Site and social networks, as well as to send them to the Media. Each Partner shall obtain the prior and express consent of their employees and collaborators in order to use their images to the aforementioned effects.”

7.3 NEC-Requirements N°1

Regarding the Non-European Countries Requirements N°1 compiled on RE4Industry Grant Agreement refers to:

Detailed information to demonstrate that fair benefit-sharing arrangements with stakeholders from low and lower-middle-income countries are ensured must be kept on file and provided upon request.

Partner 11 Corbion, has successfully submitted the information regarding this matter:

The various entities of the Corbion groups hold data which relates to many different individuals, including staff within the Corbion Entities, business contacts and suppliers. Entities within the Corbion Group share data with each other as part of their business operations.

The laws of the EU member states in which the Corbion Group operates impose controls on the processing of data about individuals and restrict the transfer of such data to other countries outside the European Economic Area (EEA) except under adequate safeguards.

In May of 2018, Corbion Group entities – including the ones located in the USA, Brazil and Thailand - have entered into an Intragroup Data Transfer Agreement which is designed to provide those needed safeguards, and to facilitate cross-border transfer of personal data in accordance with EU privacy regulation.

Corbion would provide a copy of the agreement or a summary of the named Data Transfer Agreement to the EC, if so required.



8 Conclusions and further versions

As established in the Grant Agreement, at the end of the project, a new version of DMP will be provided. In this sense, the DMP needs to be updated over the course of the project whenever significant changes arise, such as (but not limited to):

- new data
- changes in consortium policies (e.g. new innovation potential, decision to file for a patent)
- changes in consortium composition and external factors (e.g. new consortium members joining or old members leaving).

The DMP should be updated as a minimum in time with the periodic evaluation/assessment of the project.

- If there are no other periodic reviews foreseen within the grant agreement, then such an update needs to be made in time for the final review at the latest.
- Furthermore, the consortium can define a timetable for review in the DMP itself.

After each Steering Committee (SC) meeting, an updating of the document will be performed, if required. Below, the current Steering Committee calendar can be found:

Meeting	Month	Dates	Country	Host Partner
I SC, I GA	Month 6	February 2021	MS Teams	CIRCE
II SC	Month 12	August 2021	To be determined	To be determined
III SC, II GA	Month 18	February 2022	To be determined	To be determined
IV SC	Month 24	August 2022	To be determined	To be determined
V SC, III GA	Month 30	February 2023	To be determined	To be determined
VI SC	Month 36	August 2023	To be determined	CIRCE

Table 4: RE4Industry Steering Committee and General Assembly (GA) calendar

Due to the actual circumstances surrounding the COVID-19 virus, dates and place for the meeting can vary and are yet to be determined. Meetings during this period will be held in MS Teams Platform in order to ensure the optimal RE4Industry project development.



9 References

- [1] European Commission, Participant Portal H2020 Online Manual. [h2020-tpl-oa-data-mgt-plan-annotated_en.pdf \(europa.eu\)](#)



10 Annexes

10.1 Annex I: Tutorial on Zenodo – Open Digital Repository

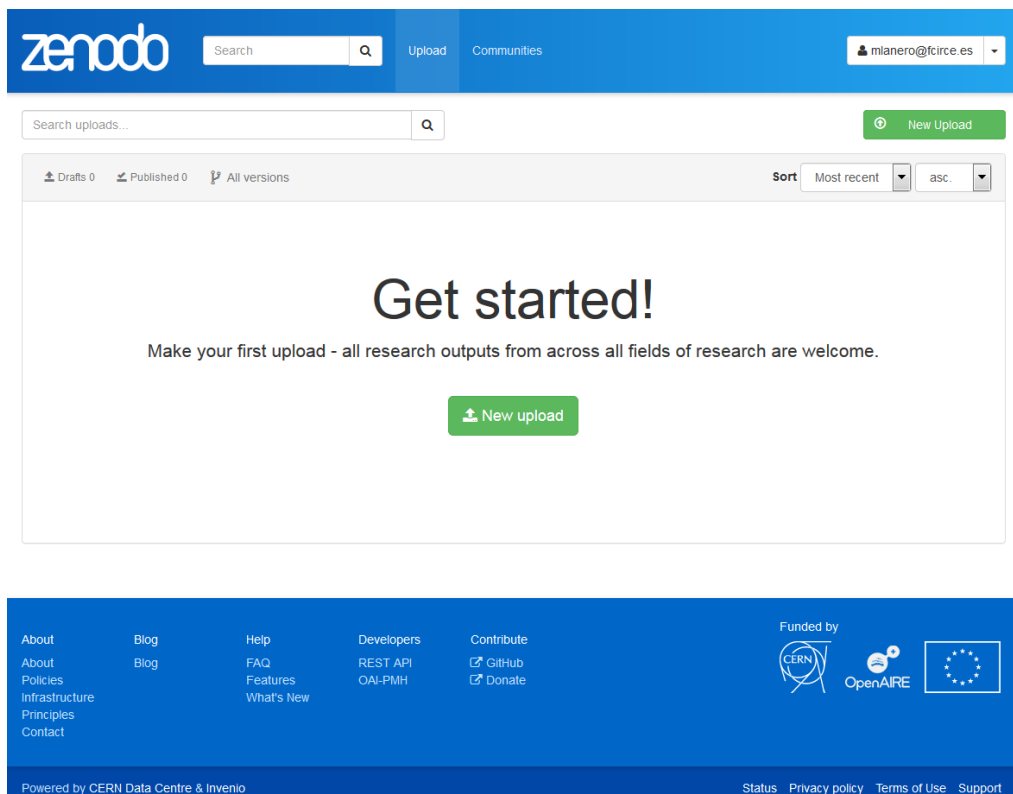
10.1.1 Brief Introduction

The portal enables researchers, scientists and institutions to share research data and results in a wide variety of formats including text, spreadsheets, audio, video. To each submitted data-set is attached a unique DOIs that enables referencing the data in research and institutional contexts. The OpenAIRE project, in the vanguard of the open access and open data movements in Europe was commissioned by the EC to support their nascent Open Data policy by providing a catch-all repository for EC funded research.

10.1.2 Submitting research data

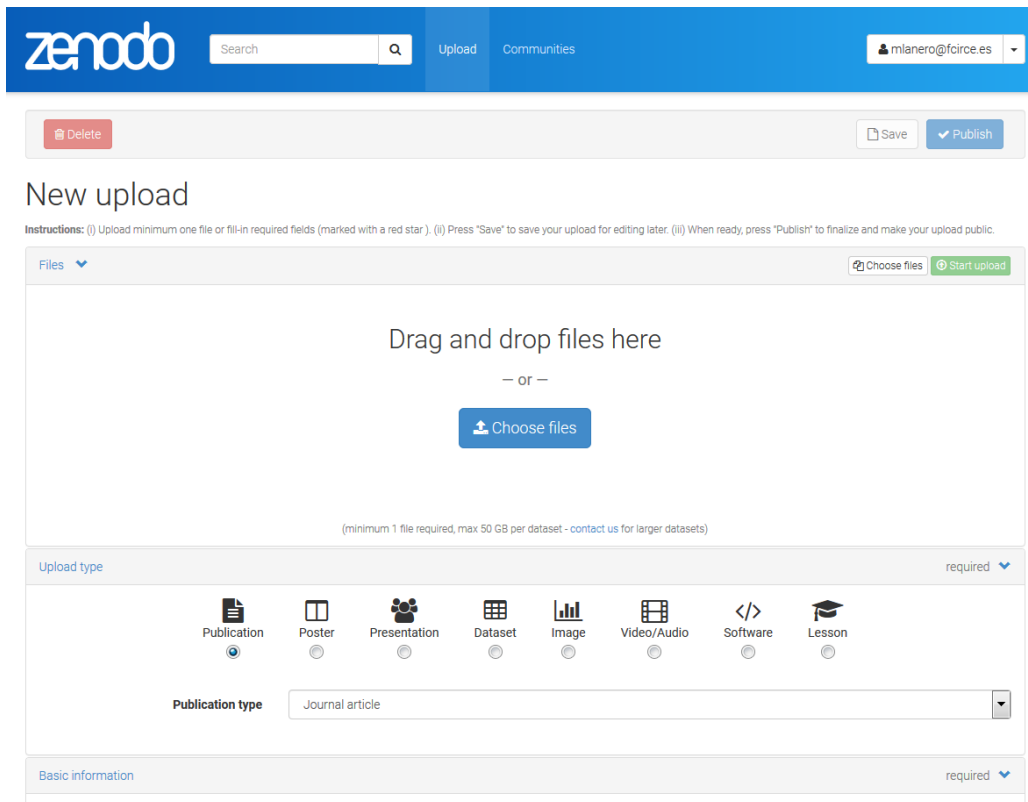
The submission of research data to Zenodo can be done through the following steps:

1. The upload procedure starts by prompting the user to select the files that will be part of the data-set and need to be uploaded:

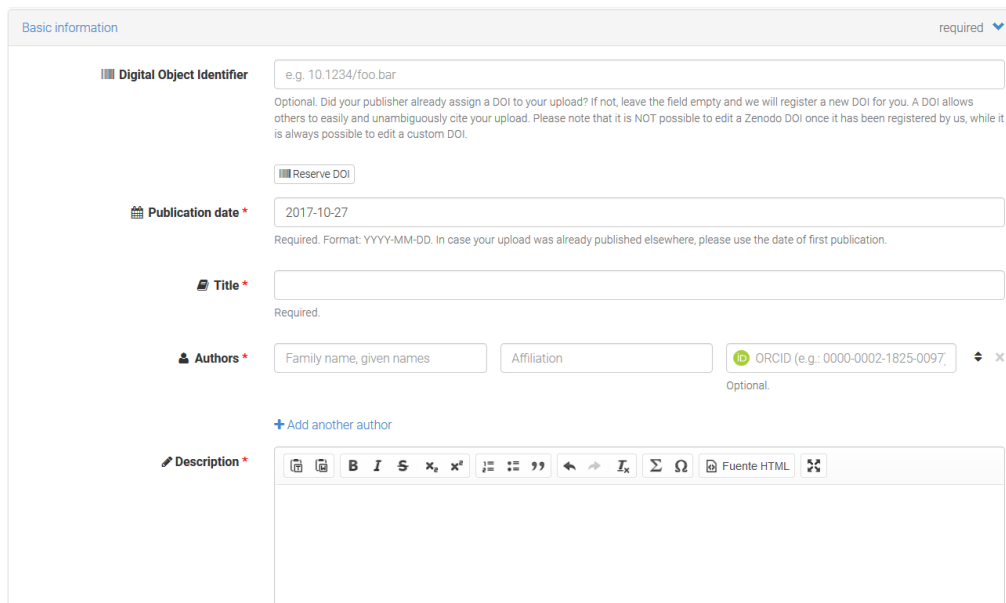


2. Successively the data must be classified according to given categories such as: dataset (i.e., tables of numerical data), image and others:





3. Finally, the portal prompts for additional metadata such as authorship of data and sharing policies. The structure of the data-set must be specified here as well:




License
required ▾

Access right *

- Open Access
- Embargoed Access
- Restricted Access
- Closed Access

Required. Open access uploads have considerably higher visibility on Zenodo.

License *

Required. Selected license applies to all of your files displayed on the top of the form. If you want to upload some of your files under different licenses, please do so in separate uploads. If you cannot find the license you're looking for, include a relevant LICENSE file in your record and choose one of the "Other" licenses available ("Other (Open)", "Other (Attribution)", etc.). The supported open licenses in the list are harvested from opendefinition.org. If you think that an open license is missing from the list, please [contact us](#).

Communities
recommended ▾

Any user can create a community collection on Zenodo ([browse communities](#)). Specify communities which you wish your upload to appear in. The owner of the community will be notified, and can either accept or reject your request.

Communities

[+ Add another community](#)

Funding
recommended ▾

Zenodo is integrated into reporting lines for research funded by the European Commission via [OpenAIRE](#). Specify grants which have funded your research, and we will let your funding agency know!

Grants

Optional. OpenAIRE-supported projects only. For other funding acknowledgements, please use the *Additional Notes* field.
Note: a human Zenodo curator will need to validate your upload - you may experience a delay before it is available in OpenAIRE.

[+ Add another grant](#)



10.2 Annex II: Memorandum of Understanding

I, the undersigned, certify that I have read and understood and agree to abide by the RE4Industry Memorandum of Understanding. I declare to accept the following clauses as described in the Memorandum of Understanding, to its entirety and with no reservations.

I declare that I will participate in RE4Industry **Cluster/Expert Groups/Committee (national/EU)** in my individual capacity and I may not delegate another person to perform my duties or request from another person to replace me without the prior written agreement.

I understand that my participation is voluntary and that I am free to withdraw from the RE4Industry **Cluster/Expert Groups/Committee (national/EU)** at any time without the need to justify my decision.

I declare that there is no conflict of interests that could be considered as prejudicial to my independence in acting as a member of the RE4Industry **Cluster/Expert Groups/Committee (national/EU)**.

I undertake to respect the confidentiality requirements and not to disclose any information given in the context of the work of the RE4Industry **Cluster/Expert Groups/Committee (national/EU)**, unless the consortium agrees to release me from this obligation.

I consent that any input or contribution I provide as member of the RE4Industry **Cluster/Expert Groups/Committee (national/EU)** may be used by the RE4Industry consortium for reporting purposes or to align the project actions with sectorial demands and vision.

I consent to the publication of my name, picture and short biography as a member of the RE4Industry **Cluster/Expert Groups/Committee (national/EU)** on the project website and any documentation related to the project and produced by the RE4Industry consortium partners.

Who makes the contact

Full name:

Place:

Signature: **Date:**

Stakeholder data.

Full name:

Place:

Signature: **Date:**



10.3 Annex III: Non-Disclosure Agreement

MUTUAL NON-DISCLOSURE AGREEMENT (NDA)

This Agreement is made and entered into on [*] [*], 2020 by and between

Mr. Andrés Llombart Estopiñán, in his position as Managing Director of Fundación CIRCE -Centro de Investigación de Recursos y Consumos Energéticos (hereinafter “**CIRCE**”), with VAT-number G-50556091 and legal address at Zaragoza, Parque Empresarial Dinamiza, Av. Ranillas, 3D, 1ª Planta, 50018.

Mr. [*], in his position as [*] of [*] (hereinafter “[*]”), with VAT-number [*] and legal address at [*].

acknowledge mutually to have sufficient legal capacity to instruct their respective organisations and agree to enter in this Non-Disclosure Agreement, which will be governed by the following

RECITALS

It is understood and agreed to that the parties to this Agreement would each like to provide the other with certain information that may be considered confidential. To ensure the protection of such information and in consideration of the agreement to exchange said information, the parties agree as follows:

1. The confidential information to be disclosed under this Agreement (“Confidential Information”) can be described as and includes:

Technical and business information relating to proprietary ideas, patentable ideas and/or trade secrets, software, sour-code, existing and/or contemplated products and services, research and development, results as detailed in section 8 of the RE4Industry CA, production, costs, profit and margin information, finances and financial projections, customers, clients, marketing, and current or future business plans and models, regardless of whether such information is designated as “Confidential Information” at the time of its disclosure.

In addition to the above, Confidential Information shall also include, and the parties shall have a duty to protect, other confidential and/or sensitive information which is (a) disclosed as such in writing and marked as confidential (or with other similar designation) at the time of disclosure; and/or (b) disclosed by in any other manner and identified as confidential at the time of disclosure, as detailed on the RE4Industry CA , with special attention to section. 10.



2. In accordance with the previous description of the Confidential Information, the parties acknowledge that said information and any other derived, directly or indirectly from it, is and will remain the exclusive property of the disclosing party corresponding to any industrial, intellectual, exploitation and other rights of a similar nature.

Likewise, the receiving party declares not to carry out, directly or through third parties, during the term of the agreement and after its termination, any action or omission that in one way or another could harm disclosing party (directly or indirectly) in his activity in relation to the divulgation and/or use of the Confidential Information.

3. The parties shall use the Confidential Information only for the purpose of feedback submission, participation at events/meetings, consultation and data share.

4. The parties shall limit disclosure of Confidential Information within its own organization to its directors, officers, partners, members and/or employees having a need to know and shall not disclose Confidential Information to any third party (whether an individual, corporation, or other entity) without prior written consent. In particular, the parties may not disclose confidential information under any circumstances to any third party outside the RE4Industry CA. The parties shall satisfy its obligations under this paragraph if it takes affirmative measures to ensure compliance with these confidentiality obligations by its employees, agents, consultants and others who are permitted access to or use of the Confidential Information. If Confidential information should be shared, rules and clauses established under Sec. 10 of the RE4Industry CA must be followed.

5. This Agreement imposes no obligation upon the parties with respect to any Confidential Information (a) that was possessed before receipt; (b) is or becomes a matter of public knowledge through no fault of receiving party; (c) is rightfully received from a third party not owing a duty of confidentiality; (d) is disclosed without a duty of confidentiality to a third party by, or with the authorization of the disclosing party; or (e) is independently developed.

6. The parties warrant that they have the right to make the disclosures under this Agreement.

7. This Agreement shall not be construed as creating, conveying, transferring, granting or conferring upon either party any rights, license or authority in or to the information exchanged, except the limited right to use Confidential Information specified in paragraph 2. Furthermore and specifically, no license or conveyance of any intellectual property rights is granted or implied by this Agreement.



8. Neither party has an obligation under this Agreement to purchase any service, goods, or intangibles from the other party. Furthermore, both parties acknowledge and agree that the exchange of information under this Agreement shall not commit or bind either party to any present or future contractual relationship (except as specifically stated herein), nor shall the exchange of information be construed as an inducement to act or not to act in any given manner.

9. Neither party shall be liable to the other in any manner whatsoever for any decisions, obligations, costs or expenses incurred, changes in business practices, plans, organization, products, services, or otherwise, based on either party's decision to use or rely on any information exchanged under this Agreement.

10. If there is a breach or threatened breach of any provision of this Agreement, it is agreed and understood that the non-breaching party shall have no adequate remedy in money or other damages and accordingly shall be entitled to injunctive relief; provided however, no specification in this Agreement of any particular remedy shall be construed as a waiver or prohibition of any other remedies in the event of a breach or threatened breach of this Agreement.

11. This Agreement states the entire agreement between the parties concerning the disclosure of Confidential Information and supersedes any prior agreements, understandings, or representations with respect thereto, except the RE4Industry CA and GA. Any addition or modification to this Agreement must be made in writing and signed by authorized representatives of both parties. This Agreement is made under and shall be construed according to EU law supplemented if necessary by the law of Belgium.

12. If any of the provisions of this Agreement are found to be unenforceable, the remainder shall be enforced as fully as possible and the unenforceable provision(s) shall be deemed modified to the limited extent required to permit enforcement of the Agreement as a whole.

13. This Agreement shall be continuing in effect until such time as the Confidential Information disclosed pursuant to the Agreement is no longer confidential. The obligations of confidentiality in this Agreement shall survive the termination of this Agreement.

WHEREFORE, the parties acknowledge that they have read and understand this Agreement and voluntarily accept the duties and obligations set forth herein.



CIRCE: [*]:

Signature Signature

Mr. Andrés Llombart Estopiñán Name

Managing Director Title

Date Date



General Data Protection Clause

According to the Regulation (EU) 2016/679 of the European Parliament and of the Council of 04/05/2016 you are informed that due to the monitoring and control obligations to which **[HERE COMPLETE NAME OF YOUR ORGANISATION]** (hereinafter, **[HERE YOUR ORGANISATION ACRONYM]**) is subject to the project **RE4Industry**, in their condition of partner of the mentioned Project together with the rest of Consortium Partners, are obliged to keep records of the activities carried out, including meetings, training and/or dissemination of Project activities, interviews, among others, in the frame of the Project, aiming at performing the actions required by the control bodies and any other competent authorities of the Project.

With this consent, you are informed that your personal data can be sent to control bodies, any other competent authorities of the Project and to the rest of the consortium partners in order to comply with the control requirements under **[HERE YOUR ORGANISATION ACRONYM]**'s obligations in the frame of the Project, and will be kept until the end of the Project and for the limited periods of the responsibilities that may result enforceable.

I have been informed about the treatment of my personal data by **[HERE YOUR ORGANISATION ACRONYM]** and I authorize their use. [COLUMN 1]

The event you have been summoned/invited/registered to, could be filmed and photographed. Thus, **[HERE YOUR ORGANISATION ACRONYM]** may be entitled to publish these videos and images in its Web Site and Social Networks, and/or send these videos and images to the Media in order to contribute to the dissemination of the Project, and to the rest of the Partners of the Project to comply with their obligations to be published in their corresponding web Sites and social networks.

I hereby authorize the use of my personal image in order to contribute to the implementation of the Project activities. [COLUMN 2]

Additionally, if you expressly authorise it, by checking the box below, your data may be used under your consent, with the aim of sending informative news and other promotional communications related to the **RE4Industry** Project and other related projects, in order to keep you informed about events, workshops, activities and services run by **[HERE YOUR ORGANISATION ACRONYM]**.

I wish to receive from **the RE4Industry Consortium** communications and relevant updates of the **RE4Industry** Project or other related projects. [COLUMN 3]

RE4Industry Project would like to acknowledge the support given by different companies, organisations and/or individual persons and thus, your organisation shall be included in an acknowledgment list quoting those entities that supported the project.

I agree to be acknowledged publicly in the project acknowledgements to entities who have supported or collaborated with the project. [COLUMN 4]

You are entitled to exercise your rights of access, rectification, elimination, limitation, opposition, portability and to not be subject to a decision based solely on automated processing by contacting the Data Protection Officer (DPO) of **[HERE YOUR ORGANISATION ACRONYM]**, via email at **[HERE email of responsible on DPO]**. You are also entitled to lodge a complaint with the **[HERE the agency in your country responsible on data protection]**.

The data controller is **[HERE YOUR ORGANISATION ACRONYM]**, with the identification number: **[VAT NUMBER]**, located in **[HERE YOUR ORGANISATION Address]** and contact number **[HERE YOUR ORGANISATION DESK NUMBER]**.

