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# Serviços OpenAIRE para Gestão de Dados de Investigação



@openaire\_eu



The Zenodo logo, featuring the word "zenodo" in a white, lowercase, sans-serif font, centered within a solid blue rectangular box.

**DEPOSITAR**

The Argos logo, featuring the word "argos" in a teal, lowercase, sans-serif font, centered within a white rectangular box.

**PLANEAR**

The Amnesia logo, featuring a stylized graphic of a person's head and shoulders in a light blue color, with the word "amnesia" in a lowercase, sans-serif font below it.

**ANONIMIZAR**



**SUORTE**



Serviço para **publicar** e **partilhar** resultados de investigação (**publicações, dados, software, etc**).

### Funcionalidades:

- Atribuição de **DOI**
- Criação e gestão de **Comunidades**
- Identificação de **Projetos de Financiamento**
- Atribuição de **Licenças de uso**
- Até **50GB** por conjunto de dados



Hosted by **CERN**



<https://zenodo.org/>



## Coronavirus Disease Research Community - COVID-19

### Recent uploads

Q

February 17, 2021 (v3.0)

Software

Open Access

View

**goldsteinepi/covid\_hiv: An application of a difference-based measure to identify ecological disparities in the co-occurrence of COVID-19 and HIV infection in Philadelphia, Pennsylvania.**

Neal D. Goldstein;

Goldstein ND, Webster JL, Welles SL. An application of a difference-based measure to identify ecological disparities in the co-occurrence of COVID-19 and HIV infection in Philadelphia, Pennsylvania. Manuscript in preparation.

Uploaded on February 17, 2021

2 more version(s) exist for this record

February 17, 2021 (1.15.0)

Software

Open Access

View

**Flowminder/FlowKit: 1.15.0**

Jonathan Gray; maxalbert; James Harrison; Bhavin Panchal; Dan Williams; OwlHute; Guilherme Zagatti; flowstef; Christopher J Brooks; The Gitter Badger;

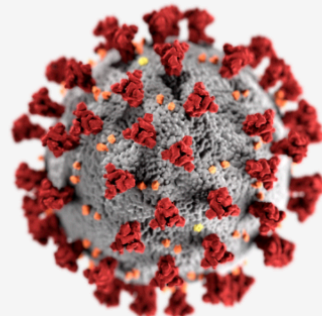
Added FlowETL flux check can be turned off by setting use\_flux\_sensor=False in create\_dag. #3603 Changed The use\_file\_flux\_sensor argument to create\_dag is deprecated. To use the table-based flux check in a file-based DAG, set use\_flux\_sensor='table'. Improvements to token display in FlowAuth. #2

Uploaded on February 17, 2021

28 more version(s) exist for this record

New upload

Community



### Coronavirus Disease Research Community - COVID-19

This community collects research outputs that may be relevant to the Coronavirus Disease (COVID-19) or the SARS-CoV-2. Scientists are encouraged to upload their outcome in this collection to facilitate sharing and discovery of information. Although Open Access articles and datasets are recommended, also closed and restricted access material are accepted. All types of research outputs can be included in this Community (Publication, Poster, Presentation, Dataset, Image, Video/Audio, Software, Lesson, Other).

COMUNIDADE





## H2020 VicInAqua project: Integrated aquaculture based on sustainable water recirculating system for the Victoria Lake Basin

### Recent uploads

Search H2020 VicInAqua project: Integrated aquaculture based on sustainable water recirculating system for the

May 20, 2019 (v1) Journal article Open Access

#### Modeling of Structure-Property Relationships of Polymerizable Surfactants with Antimicrobial Activity

De Luca, Giorgio; Amuso, Roberto; Figoli, Alberto; Mancuso, Raffaella; Lucadamo, Lucio; Gabriele, Bartolo;

Polymerizable quaternary ammonium salts (PQASs) were synthesized in a previous work and some of them were used as surfactants in the antimicrobial coating of commercial membranes. Herein, the electrostatic charges, maximum length, and aspect ratio of these antibacterial surfactants were calculated w

Uploaded on May 20, 2019

October 9, 2017 (v1) Dataset Open Access

#### DATASET for the article "Synthesis and Antibacterial Activity of Polymerizable Acryloyloxyalkyltriethyl Ammonium Salts"

Mancuso, Raffaella; Amuso, Roberta; Armentano, Biagio; Grasso, Giuseppe; Rago, Vittoria; Cappello, Anna Rita; Galiano, Francesco; Figoli, Alberto; De Luca, Giorgio; Hoinkis, Jan; Gabriele, Bartolo;

The files contains: - A visual description of the experiments performed for the synthesis of a representative polymerizable surfactant (acryloyloxyundecyltriethylammonium bromide, AUTEAB), reported in the paper published in ChemPlusChem 2017, 82, 1235-1244 (in PDF format); - The raw data obtained

Uploaded on January 24, 2018

New upload

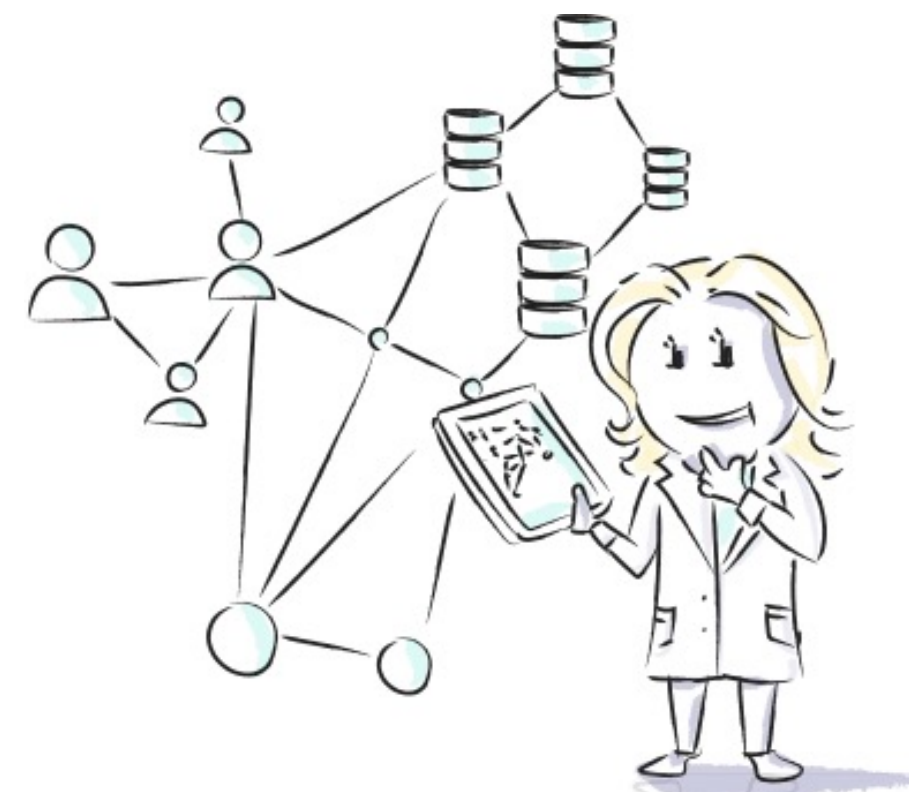
Community



#### H2020 VicInAqua project: Integrated aquaculture based on sustainable water recirculating system for the Victoria Lake Basin

This is the collection of materials created within the "VicInAqua: **Integrated aquaculture based on sustainable water recirculating system for the Victoria Lake Basin**", project. The work performed has received funding from the **European Union's Horizon 2020 research and innovation programme**

## PROJETO



# Anonimização de dados de investigação sensíveis

## Funcionalidades:

- Cumpre requisitos de **usabilidade**
- Remove informação de identificação dos dados
- Em linha com as **regras do RGPD**
- Funciona localmente - sem risco de transferência de dados
- **Adaptável e disponível para integração** na infraestrutura da organização ou instalação pessoal



# Materiais de apoio à Gestão de dados de Investigação

## Open Access Basics

An Open Access primer to get you started

## An RDM Handbook

A primer on managing your research data

## Guides on policies and services

Howto's on practicing open science and using OpenAIRE services

## Factsheets

Quick references on open science topics for researchers, administrators, funders, etc.



[www.openaire.eu/support](http://www.openaire.eu/support)



Helpdesk

### FAQ

Find your answers

### Ask a question

Contact us via our ticketing system

### Webinars

On specific topics

### Workshops

Thematic, national, services



Training

# Materiais de suporte para GDI (guias):



## Cumprimento dos requisitos e custos associados

Como cumprir com as diretrizes da CE para os Dados de investigação e identificar os seus custos

## Formatos dos dados

Para cumprir com os princípios FAIR e para a sua preservação no tempo

## Criação de Planos de Gestão de Dados

Dicas para construção deste documento “vivo” e algumas ferramentas para auxiliam esta tarefa

## Propriedade intelectual e Direitos de autor

Licenciamento dos dados, que licenças usar, como reutilizar dados de outros, como tratar dados sensíveis

## Depósito dos dados

Como escolher e identificar repositórios confiáveis para depósito dos dados de investigação




# Materials de suporte para GDI:

## Data reuse


stories & use cases

In OpenAIRE we are collecting a series of stories, use cases and other relevant resources that report the process of data reuse, trying to demonstrate and describe experiences (successful or not) of reuse of a variety of research data, as well as associated assumptions and implications. This work is being developed by the **RDM Task Force - Data Reuse Working Group**. The number of use cases will expand over time.




Sensitive data: FAIR4Health

*Data reuse use case*




Enabling data reuse: Edinburgh DataShare

*Data reuse use case*




IZTECH University's view on Research Data

*Data reuse use case*




Evidence of data reuse: Binder + Zenodo

*Data reuse use case*

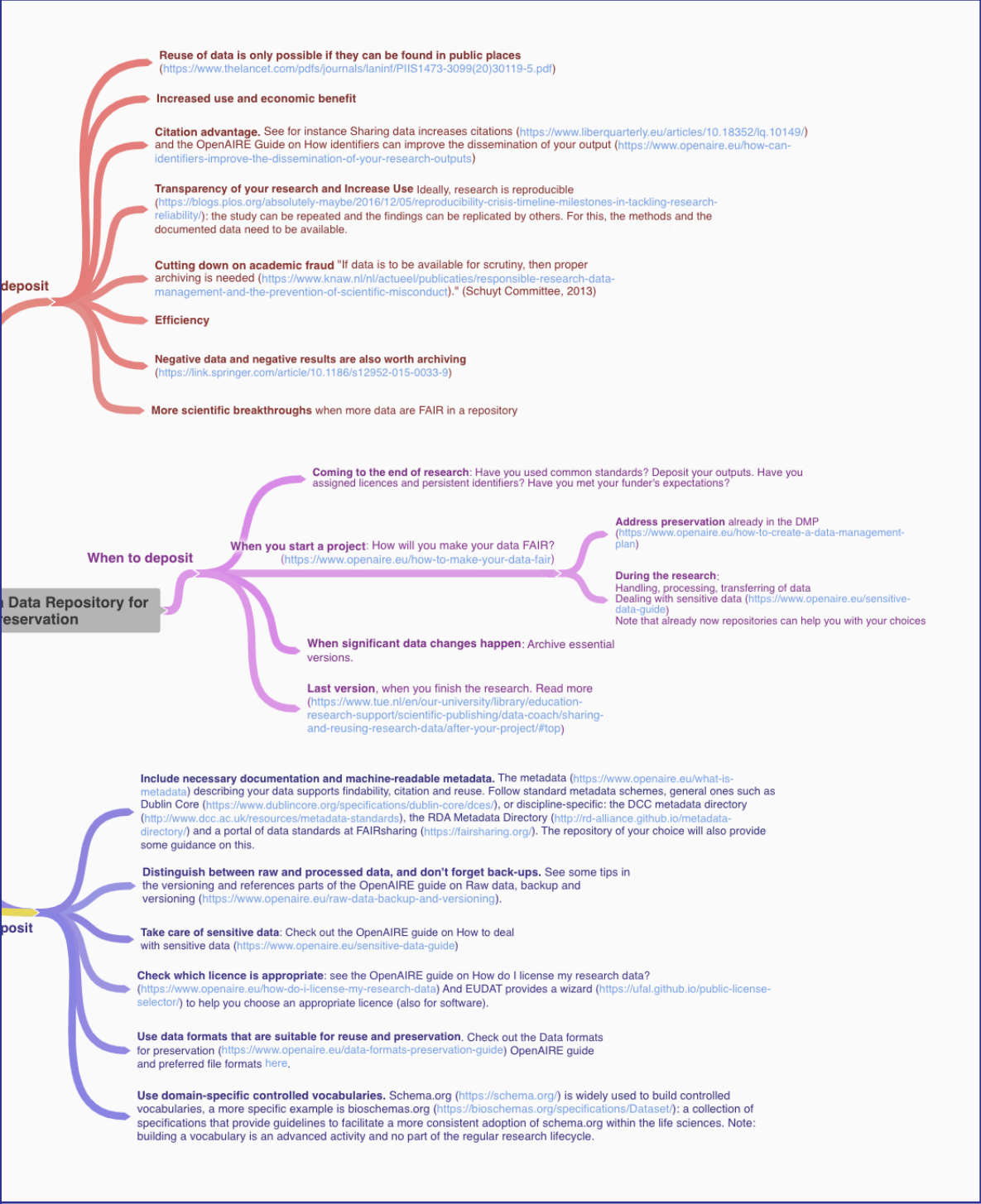


Data Reuse Stories involving several institutions and consortia in Europe

*Data reuse stories*



Stay tuned!





### What will it cost to manage and where my data?

**Costs**

- Security
- Use

**Skills costs**

- Data wrangling
- Description and Documentation
- Metadata generation
- Formatting and Cleaning
- Consent and Anonymisation

ment Plan (DMP) can help to identify essential costs at the outset of your project. costs before you begin the project ensures able to request adequate funds to support ment and enable data sharing.

member that there are costs, usually referring to costs, generally al management. ver justifiable costs ered by indirect costs (e.g. s a direct cost. Check with in grant proposals.

es:

tify and assess Research Data Management (RDM) costs h Data Management and Costs

uide

management costing tool and checklist

### to estimate costs?

Home institution apply local RDM structures

Funders can tell you which costs are eligible

Research Community

# Materials de suporte para GDI: H2020 factsheets

**Open Research Data in Horizon 2020**  
How can OpenAIRE help?

Are you a Researcher, Project Coordinator or Research Manager participating in a EC project? What, where and how to share your Data?

**What is the Open Research Data?**

Open data is data that is free to use, reuse and redistribute. The Open Research Data enables open access and the reuse of research data generated by Horizon 2020 projects.

Open Access to data underlying their scientific publications.

Participating projects are required to:

- Develop and keep up-to-date a Data Management Plan (DMP).
- Deposit their data in a research data repository.
- Ensure that third parties can freely access, mine, exploit, reproduce and disseminate it.
- Make clear what tools are needed to use the raw data to validate research results for provide the tools themselves.

**What's in it for you?**

- Be part of the new era of Open Science, integrating transparency, effectiveness and timeliness into all areas of scientific methods and processes.
- Reach more people, have greater impact.
- Avoid duplication of effort and help preserve data for future researchers.
- Simplify that reporting by keeping your DMP up-to-date.

**Do you have a Horizon 2020 grant? Do you manage your data in a FAIR way?**

Are you still part of the Pilot?

Projects covered by the Work Programme 2017 are part of the Open Data Pilot by default. As of Work Programme 2017, the Pilot has been extended to all areas of Horizon 2020 except 'no-fund' and 'grants' instruments, ERC PoC, SME Instrument PFI actions, ERA-NET Co-funded actions that do not produce data.

If your project started before then and stems from one of following H2020 areas, you are automatically part of the Pilot as well:

- Future and Emerging Technologies.
- Research Infrastructures - part a infrastructures.
- Leadership in enabling and industrial technologies - Information and Communication Technologies.
- Nanotechnologies, advanced.

**Can you opt out?**

We hope you won't, but projects may opt out of the Pilot at any stage, partially or completely. See the EC Guide on OA for eligible reasons.

Note that in multi-beneficiary projects it is also possible for specific beneficiaries to keep their data closed if relevant provisions are made in the consortium agreement, which are in line with the reasons for opting out.

## Open Data Pilot

Are you a recipient of a H2020 grant? Learn how to comply.

UPDATED!

1st version | 2nd version

VIEW →

**Personal data and the Open Research Data**

Breaking paper for researchers, research administrators and project coordinators

**The EC Open Research Data Pilot**

Open data is data that is free to use, reuse and redistribute. The EC Open Research Data Pilot (ORDP) enables open access to and reuse of research data generated by Horizon 2020 projects. The Pilot applies primarily to the data and metadata needed to validate results in scientific publications, as well as other data specified in the Data Management Plan (DMP).

Projects participating in the Pilot are required to deposit their research data in a research data repository and take measures to enable third parties to access, mine, exploit, reproduce and disseminate this data.

However, the concept of the free use of research data within the Pilot may conflict with data protection rules if such data contain personal data.

**What is personal data?**

"Personal data" means any information relating to a natural person who is either identified or could be identified (that data e.g. to reference to an identifier such as a name, an identification number, location data, online identifier or to the physical, physiological, genetic, mental, economic, cultural or social identity of that person).

Data protection rules always apply whenever personal data is being processed. Processing here includes practically any operation in connection with personal data – including collection, recording, organisation, structuring, storage, adaptation or alteration, retrieval, consultation, use, disclosure by transmission, dissemination or otherwise making available, alignment or combination, restriction, erasure or destruction.

**So what's the problem?**

Research data – especially in fields like medicine, biotechnology and the social sciences – often contain personal data. This means that many datasets, in their raw form, cannot be made openly available as required by the ORDP due to conflicts with rules on protection of personal data.

Hence, incompatibility with data protection regulations is one of the major reasons for opting out of the ORDP. However, opting out of the Pilot is not the only way to prevent possible infringements.

Firstly, even if one particular dataset is unsuitable for sharing, the same project might produce other datasets which are. Secondly, even if datasets contain personal data, they might still be able to be shared either through (i) anonymisation, or in limited cases, (ii) aggregated sharing.

**Anonymisation of personal data?**

The best way to fulfil the requirements of the Open Research Data Pilot and data protection rules at the same time is to anonymise personal research data before making them openly available.

Anonymised data are no longer personal data, consequently data protection rules are no longer applicable.

Effective anonymisation prevents third parties from re-identifying individuals in anonymised datasets, i.e. associating a record to a natural person by using other sources of information. Moreover, anonymisation provides further privacy guarantees that prevent third parties from inferring that a person is associated with a certain property, e.g. a particular health condition, with high probability, or even to infer the participation of a person in a published dataset.

When possible, data anonymisation is the best solution to avoid data protection risks.

## Personal data

How to balance Open Access and Data Protection?

UPDATED!

1st version | 2nd version

VIEW →

**Open Access and Open Data in Horizon 2020**  
How can OpenAIRE help?

Factsheet for Research Administrators and Project Coordinators

**The Horizon 2020 Open Access Mandate**

In Horizon 2020, the European Commission (EC) requires that all peer-reviewed publications resulting from project funding are Open Access (OA), i.e. freely available online with no restrictions on use.

**4 Simple steps for Open Access**

Step 1. Submit a paper to a journal of your choice (there is no restriction). Publishing costs (article processing fees for immediate Open Access) are eligible costs and can be reimbursed within the Open Access (OA) policy.

Step 2. Deposit the final peer-reviewed manuscript or the publisher's PDF in an institutional or subject repository (or preprint.org if no other option is available) as soon as possible and at the latest upon publication. It is not enough to list publications on a project website – they'll go unnoticed!

Step 3. Deposit the final peer-reviewed manuscript or the publisher's PDF in an institutional or subject repository (or preprint.org if no other option is available) as soon as possible and at the latest upon publication. It is not enough to list publications on a project website – they'll go unnoticed!

Step 4. Ensure open access to the deposited publication. An embargo of 6 months for 12 months for the social sciences and humanities is acceptable.

**OpenAIRE: Services for Research Managers**

Can't be at all of your project's publications in OpenAIRE at reporting time?

This means that they are not automatically deposited in OpenAIRE repository.

Use the Link Service (under "my OpenAIRE") to manually upload your publications that are not automatically deposited in OpenAIRE.

We help you with a free OpenAIRE account and a free OpenAIRE ID. You can also use the OpenAIRE ID to create your OpenAIRE profile.

Put your work into OpenAIRE compliant repositories automatically ensures that you comply with the Horizon 2020 Mandate on Open Access to scientific publications.

4. Save time as you can import your project publications into the EC's participant portal with a single click of a button!

Project Publications OpenAIRE Automatically

## Administrators

Research Administrators & Project Coordinators: 4 Simple Steps to Open Access

UPDATED!

1st version | 2nd version

**Open Access mandate and Open Research Data in Horizon 2020**  
How can OpenAIRE help?

Are you part of a H2020 project? OpenAIRE helps you to provide open access to your project publications and data.

**H2020 Open Access Mandate**

**Horizon 2020 Open Access Mandate.**  
All beneficiaries must deposit their peer-reviewed publications to ensure open access.

**What to deposit?**

A machine-readable electronic copy of the published version.

OR

The final peer-reviewed manuscript accepted for publication.

**Where to deposit?**

Researchers should deposit in a repository for scientific publications of their choice.

Find out if your institution has one: <https://www.openaire.eu/repositories> or use [www.openaire.eu](https://www.openaire.eu)

**When to deposit?**

Each beneficiary must deposit their work as soon as possible and at the latest upon publication.

**When should Open Access be provided?**

Each beneficiary must ensure Open Access to the deposited publication – via the repository – at the latest:

- upon publication, if it is an Open Access journal
- OR
- within 6 months of publication (12 months for the Social Sciences and Humanities).

## Researchers

Learn about the H2020 OA policies and how you can easily comply.

UPDATED!

1st version | 2nd version

VIEW →

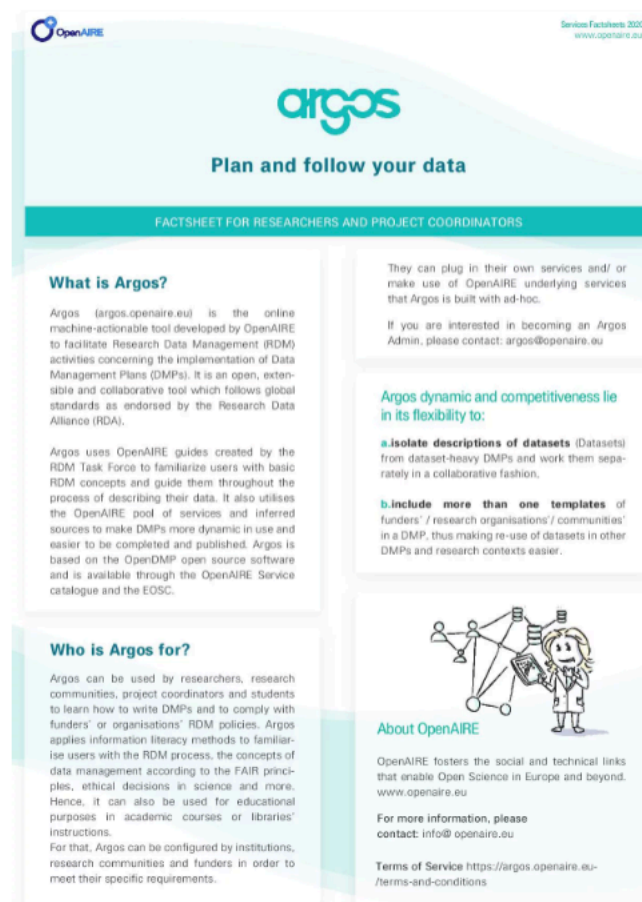


# Materiais de suporte para GDI: Services factsheets



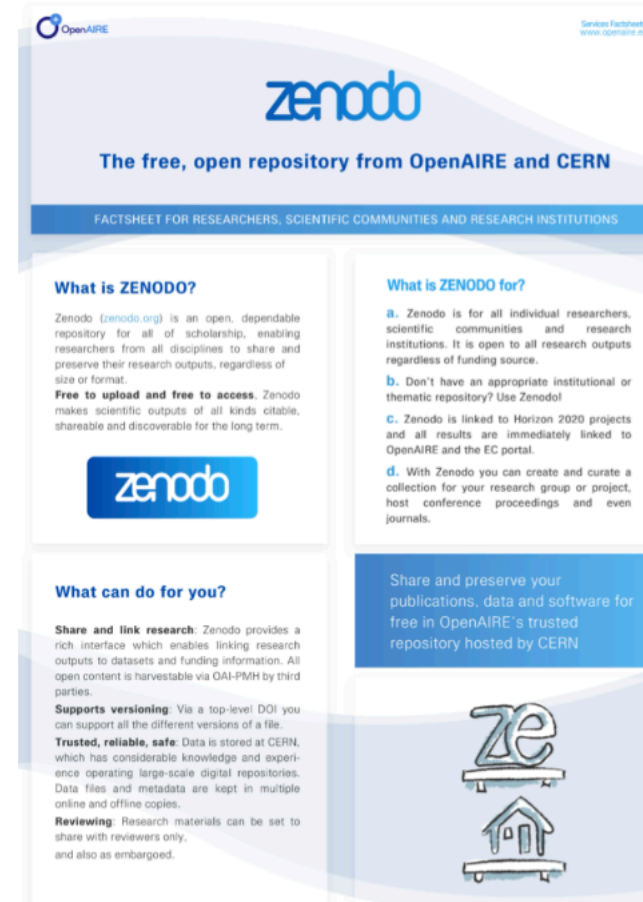
Amnesia

*High accuracy Data  
Anonymization*



Argos

*Plan and follow your data*



Zenodo

*The free, open repository  
from OpenAIRE and CERN*



“

OpenAIRE  
... a trabalhar para uma ciência  
mais **Aberta, Transparente e FAIR**

”



# Obrigada!



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