

INFN Open Access Repository – Quick «How-To»

R. Barbera
(roberto.barbera@ct.infn.it)

15 aprile 2020 – Version 2

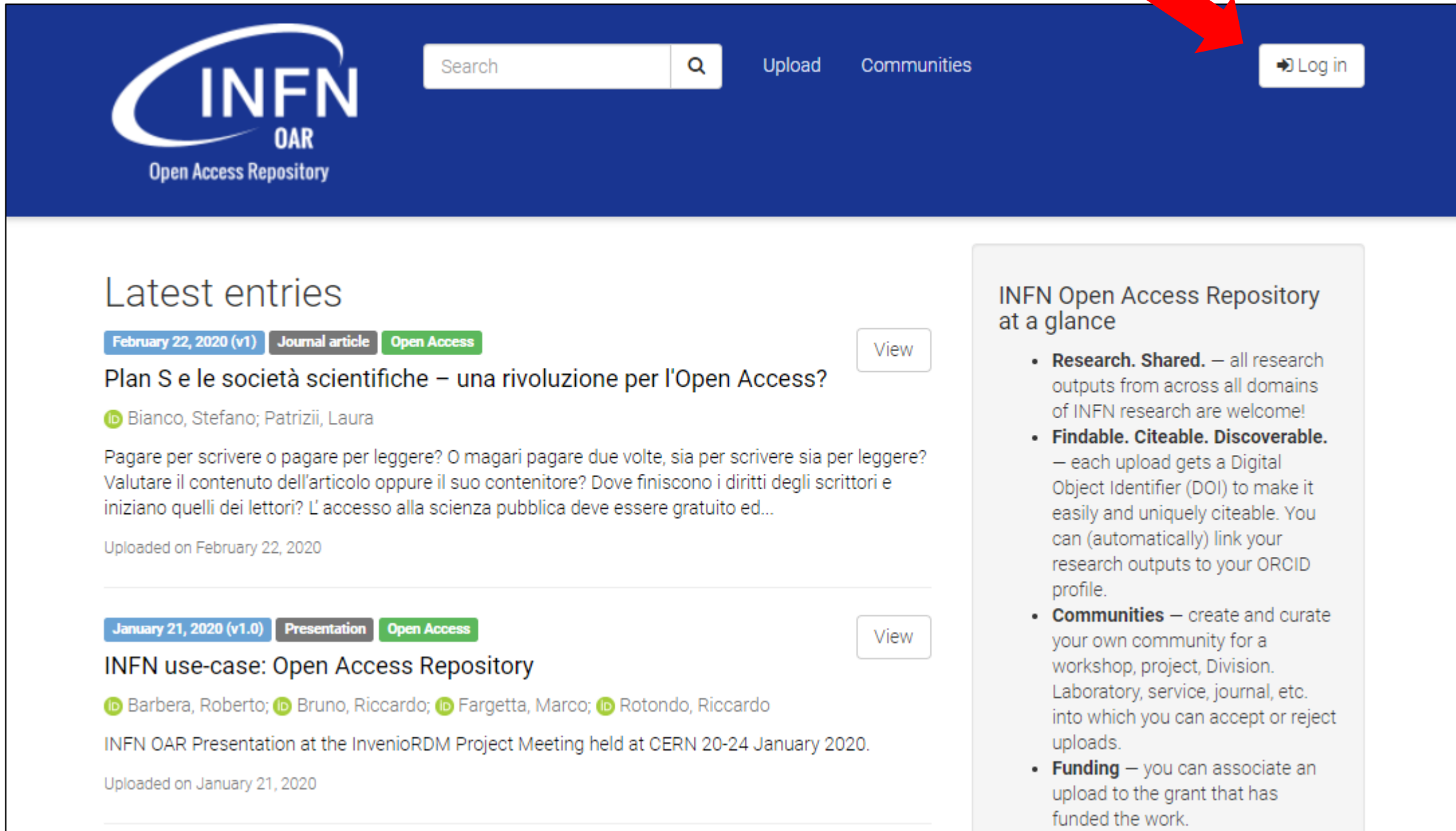
Outline

- How to access the INFN Open Access Repository?
- How to upload contents on the INFN Open Access Repository?
- How to browse/create existing/new communities?
- How to get support?
- Additional information and context



How to access the INFN Open Access Repository?

Login (<http://openaccessrepository.it>)




The screenshot shows the top navigation bar of the INFN Open Access Repository. On the left is the INFN OAR logo. In the center is a search bar with a magnifying glass icon. To the right of the search bar are links for 'Upload' and 'Communities'. Further right is a 'Log in' button with a right-pointing arrow. A large red arrow points from the top right towards the 'Log in' button.

Latest entries

February 22, 2020 (v1) **Journal article** **Open Access** [View](#)

Plan S e le società scientifiche – una rivoluzione per l'Open Access?





 Bianco, Stefano; Patrizii, Laura

Pagare per scrivere o pagare per leggere? O magari pagare due volte, sia per scrivere sia per leggere? Valutare il contenuto dell'articolo oppure il suo contenitore? Dove finiscono i diritti degli scrittori e iniziano quelli dei lettori? L'accesso alla scienza pubblica deve essere gratuito ed...

Uploaded on February 22, 2020

January 21, 2020 (v1.0) **Presentation** **Open Access** [View](#)

INFN use-case: Open Access Repository

 Barbera, Roberto;  Bruno, Riccardo;  Fargetta, Marco;  Rotondo, Riccardo


INFN OAR Presentation at the InvenioRDM Project Meeting held at CERN 20-24 January 2020.

Uploaded on January 21, 2020


INFN Open Access Repository at a glance


- **Research. Shared.** – all research outputs from across all domains of INFN research are welcome!
- **Findable. Citeable. Discoverable.** – each upload gets a Digital Object Identifier (DOI) to make it easily and uniquely citeable. You can (automatically) link your research outputs to your ORCID profile.
- **Communities** – create and curate your own community for a workshop, project, Division, Laboratory, service, journal, etc. into which you can accept or reject uploads.
- **Funding** – you can associate an upload to the grant that has funded the work.


Login




Log in


 Log in with your organisation


 Log in with GitHub


 Log in with ORCID

— OR —

Email Address 

Password 

 Log In



Login

SELECT YOUR IDENTITY FEDERATION

Catch-all GrIDP

Worldwide eduGAIN

Italy IDEM

Not Sure ? Click Here

Click here if you have credentials issued by IDPOPEN (see next slide)

Click here if you have federated credentials and you're coming from outside Italy

Click here if you have federated credentials from an Italian University or Research Organisation

Click here if you don't have any federated credentials (see next slide)

**What if you don't have any federated credentials?
(Others, jump to slide no. 13)**

Go to <https://idpopen.garr.it/> and register yourself

The screenshot shows the registration page with a navigation bar at the top containing 'About', 'Service Providers', 'Documentation', 'Register', and 'Log-in'. Below the navigation bar is a graphic with a central padlock icon, 'People' on the left, and 'Services' on the right, connected by lines to icons of people and computers. The main content area is titled 'Register' and contains a 'Personal information' section with the following fields: 'Given Name*', 'Family Name*', 'Title', 'Address', 'Phone', 'Desired username*' (with 'barbera' entered), 'Password*', 'Confirm password*', 'Country*' (with a dropdown menu), 'Organisation*' (with a dropdown menu), 'Institutional Email Address*', and 'Additional Email Addresses*'. A 'register' button is located at the bottom of the form. A 'Note' section at the bottom of the page contains the text: 'If you would change your password or other information please log-in to the IdP service following the Account link on the top right corner'. The footer text reads 'Hosted by GARR - Managed by UNICT and INFN'.

Use institutional email addresses

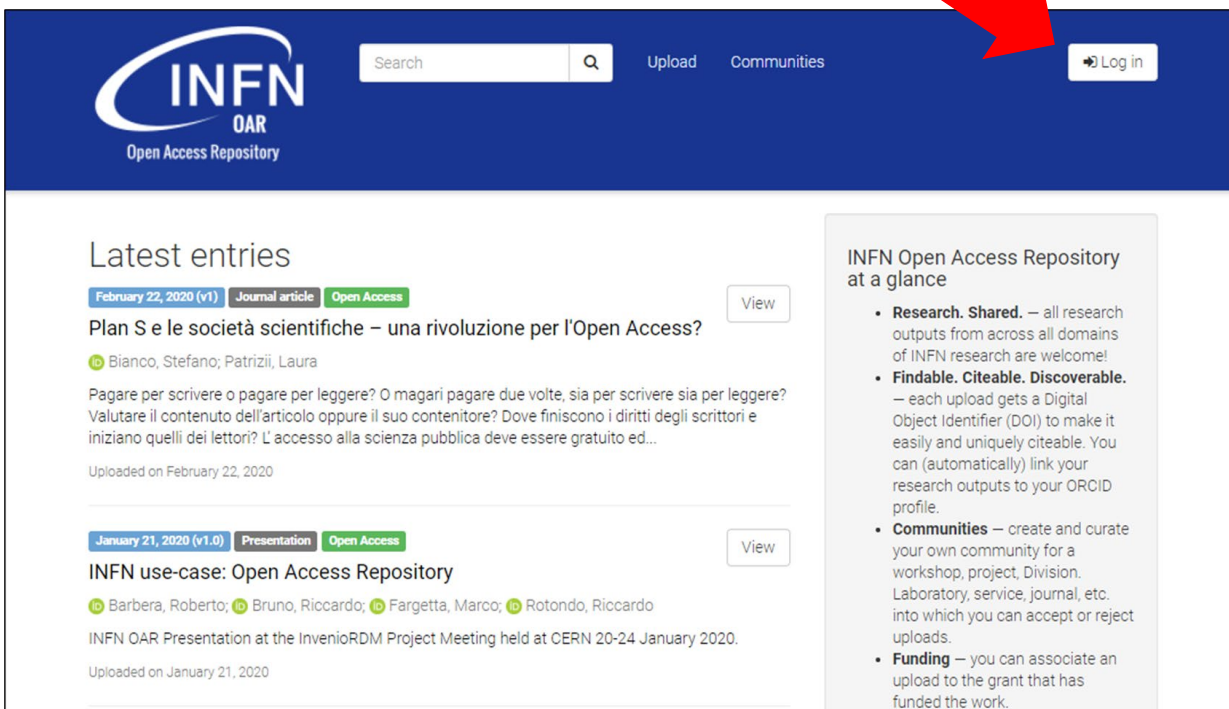


Note: registration needs human intervention for approval

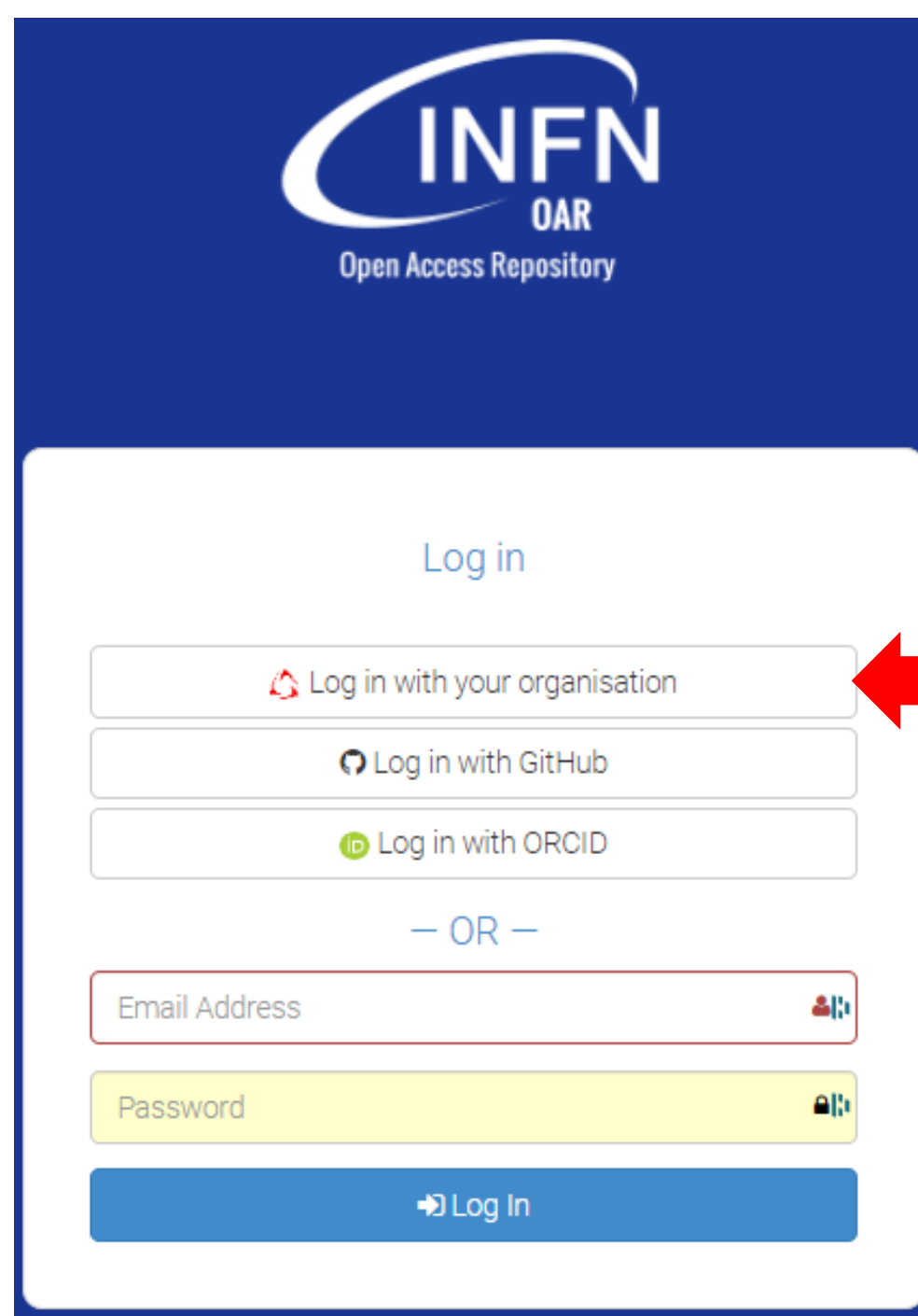
You will get your credentials in 1-2 working days

Login

(<http://openaccessrepository.it>)



The screenshot shows the INFN Open Access Repository (OAR) website. The top navigation bar is dark blue with the INFN OAR logo on the left, a search bar, and links for 'Upload' and 'Communities'. A 'Log in' button is located on the right side of the navigation bar, highlighted by a red arrow. Below the navigation bar, the main content area is white. On the left, there are 'Latest entries' with two article listings. The first article is 'Plan S e le società scientifiche – una rivoluzione per l'Open Access?' by Bianco, Stefano; Patrizii, Laura, dated February 22, 2020. The second article is 'INFN use-case: Open Access Repository' by Barbera, Roberto; Bruno, Riccardo; Fargetta, Marco; Rotondo, Riccardo, dated January 21, 2020. On the right, there is a section titled 'INFN Open Access Repository at a glance' with a list of bullet points: 'Research. Shared.', 'Findable. Citeable. Discoverable.', 'Communities', and 'Funding'.



The screenshot shows the login page of the INFN Open Access Repository. The page has a dark blue header with the INFN OAR logo and the text 'Open Access Repository'. Below the header, the main content area is white. At the top of the main content area, the text 'Log in' is displayed. Below this, there are three buttons for logging in: 'Log in with your organisation', 'Log in with GitHub', and 'Log in with ORCID'. A red arrow points to the 'Log in with your organisation' button. Below these buttons, the text '— OR —' is displayed. At the bottom, there are two input fields: 'Email Address' and 'Password', both with icons for user and password respectively. Below the input fields is a blue button labeled 'Log In'.

Login

 **SELECT YOUR
IDENTITY FEDERATION**

 Catch-all	GrIDP	 
 Worldwide	eduGAIN	
 Italy	IDEM	

 **Not Sure ?
Click Here** 

Login

 SELECT YOUR IDENTITY PROVIDER

 **IDPOPEN** 
Catch-all

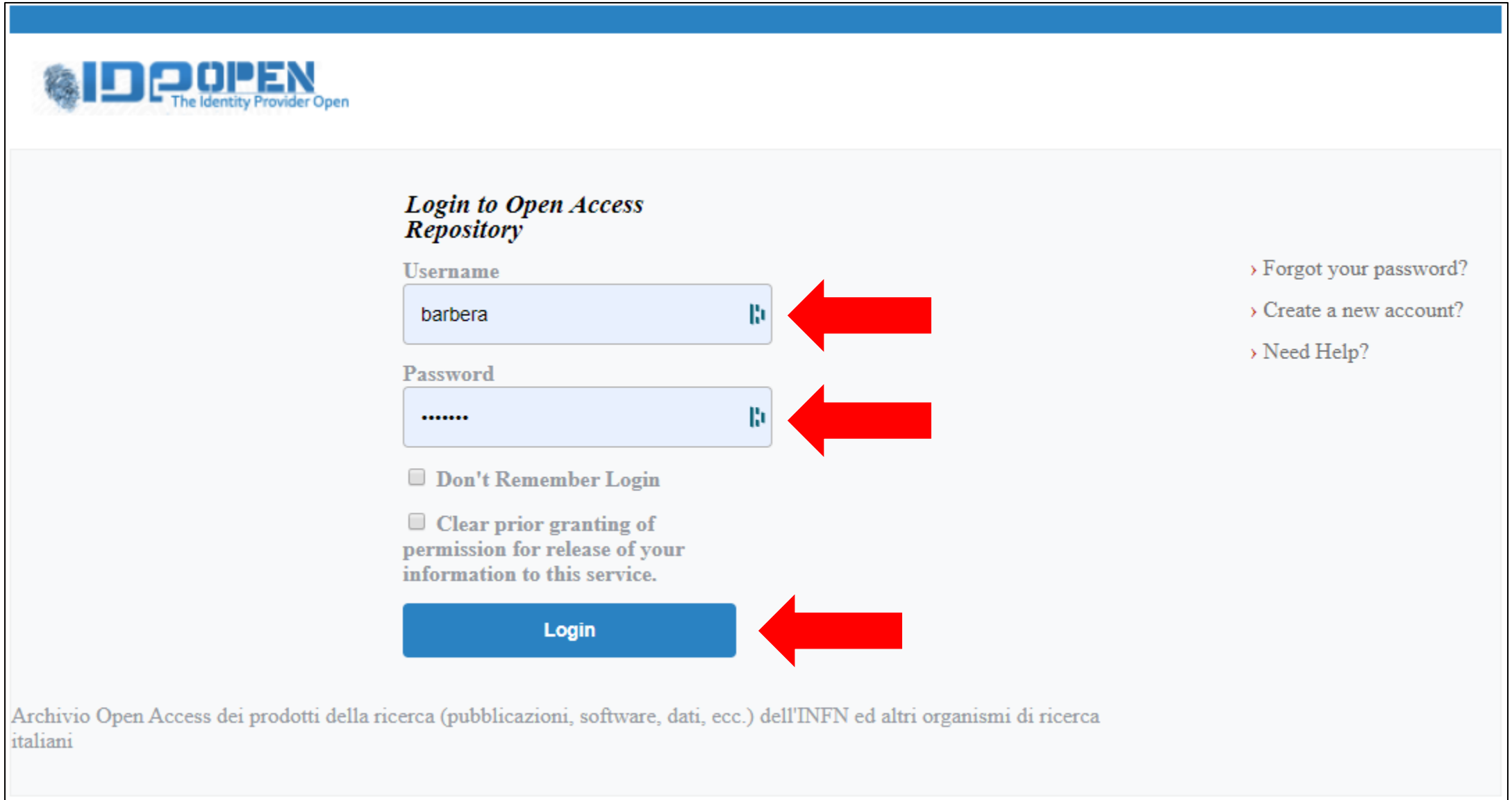
 **Social Networks' Bridge IdP** 
Social

 **DZ ARN IDP** 
Algeria

 **EGI.eu** 
The Netherlands



Login



IDP OPEN
The Identity Provider Open

Login to Open Access Repository

Username
barbera

Password
.....

Don't Remember Login

Clear prior granting of permission for release of your information to this service.

Login

[› Forgot your password?](#)
[› Create a new account?](#)
[› Need Help?](#)

Archivio Open Access dei prodotti della ricerca (pubblicazioni, software, dati, ecc.) dell'INFN ed altri organismi di ricerca italiani

After a successful login (<http://openaccessrepository.it>)

INFN OAR
Open Access Repository

Search

Upload Communities

roberto.barbera@ct.infn.it

Latest entries

February 22, 2020 (v1) Journal article Open Access View

Plan S e le società scientifiche – una rivoluzione per l'Open Access?

Bianco, Stefano; Patrizij, Laura

Pagare per scrivere o pagare per leggere? O magari pagare due volte, sia per scrivere sia per leggere? Valutare il contenuto dell'articolo oppure il suo contenitore? Dove finiscono i diritti degli scrittori e iniziano quelli dei lettori? L'accesso alla scienza pubblica deve essere gratuito ed...

Uploaded on February 22, 2020

January 21, 2020 (v1.0) Presentation Open Access View

INFN use-case: Open Access Repository

Barbera, Roberto; Bruno, Riccardo; Fargetta, Marco; Rotondo, Riccardo

INFN OAR Presentation at the InvenioRDM Project Meeting held at CERN 20-24 January 2020.

Uploaded on January 21, 2020

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- **Funding** – you can associate an upload to the grant that has funded the work.

Complete your profile (1/2)

INFN OAR Open Access Repository

Search Upload Communities roberto.barbera@ct.infn.it

- Profile
- Security
- Linked accounts
- Applications
- Shared links
- GitHub
- Administration
- Log out

Latest entries

February 22, 2020 (v1) Journal article Open Access View

Plan S e le società scientifiche – una rivoluzione per l'Open Access?

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Complete your profile (2/2) – fill all fields and update your profile

Home / Account / Profile

Settings

- Profile
- Security
- Linked accounts
- Applications
- Shared links
- GitHub
- Administration

Profile

Username


Required. Username must start with a letter, be at least three characters long and only contain alphanumeric characters, dashes and underscores.

Full name

Email address

Re-enter email address

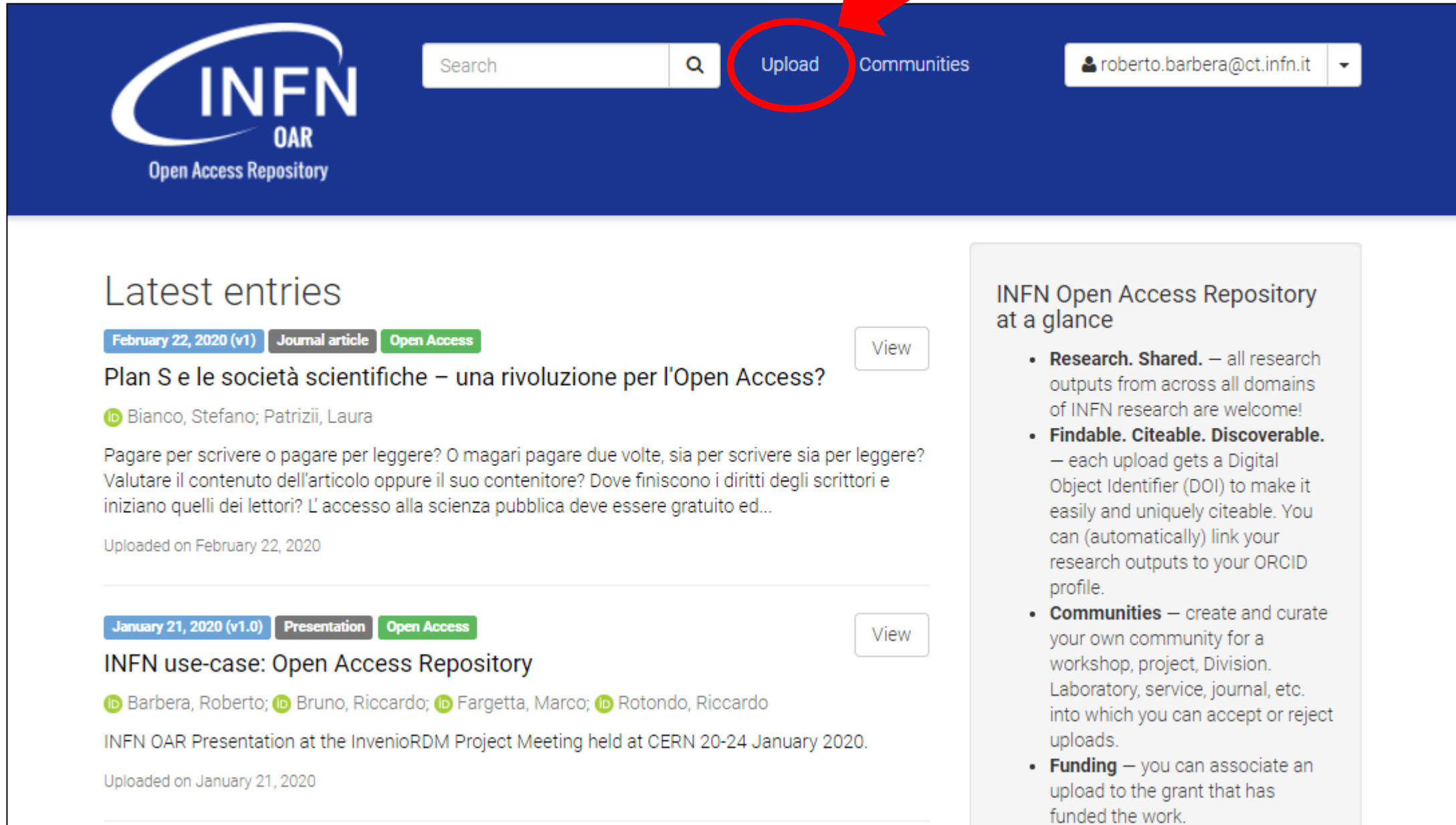
Please re-enter your email address.



How to upload contents on the INFN Open Access Repository?

Upload contents

Click on Upload



The screenshot shows the top navigation bar of the INFN Open Access Repository. The 'Upload' button is circled in red, and a red arrow points to it from the text 'Click on Upload' located above the navigation bar. The navigation bar also includes a search box, a 'Communities' link, and a user profile dropdown menu for 'roberto.barbera@ct.infn.it'. Below the navigation bar, the page displays 'Latest entries' with two article listings. The first entry is 'Plan S e le società scientifiche – una rivoluzione per l'Open Access?' by Bianco, Stefano; Patrizii, Laura, dated February 22, 2020. The second entry is 'INFN use-case: Open Access Repository' by Barbera, Roberto; Bruno, Riccardo; Fargetta, Marco; Rotondo, Riccardo, dated January 21, 2020. On the right side, there is a sidebar titled 'INFN Open Access Repository at a glance' containing a list of features: Research. Shared, Findable. Citeable. Discoverable, Communities, and Funding.

INFN
OAR
Open Access Repository

Search


[Upload](#) [Communities](#)

roberto.barbera@ct.infn.it

Latest entries

February 22, 2020 (v1) **Journal article** **Open Access**

Plan S e le società scientifiche – una rivoluzione per l'Open Access?





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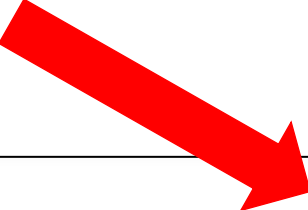
Uploaded on January 21, 2020

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- **Funding** – you can associate an upload to the grant that has funded the work.

Upload contents

Click on New Upload



Search uploads...

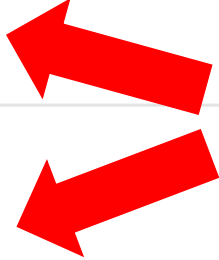
Sort

CovidStat @ INFN Open Access Repository
Created Apr 10, 2020 2:56:49 PM, modified Apr 10, 2020 3:06:20 PM

Open Science in action
Created Dec 4, 2019 8:10:28 AM, modified Dec 4, 2019 9:15:00 PM

< 1 >

Past uploads



Select the file to be uploaded

First, select the file

Instructions: (i) Upload minimum one file or fill-in required fields (marked with a red star). (ii) Press "Save" to save your work for editing later. (iii) When ready, press "Publish" to finalize and make your upload public.

Files ▼

📁 Choose files 👉 Start upload

Drag and drop files here

— or —

📁 Choose files

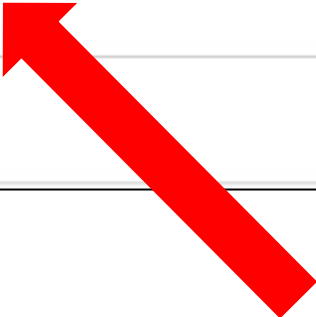
(minimum 1 file required, max 50 GB per dataset - [contact us](#) for larger datasets)

Then, start the transfer

Select the Community/ies your upload should belong to

Communities ? recommended ▼

Start typing a community name... 🔍



You can associate an upload to more than one community

Select the type of upload

Upload type required ▾

Publication Poster Presentation Dataset Image Video/Audio Software Lesson Other

Publication type

In case of a Publication,
click to select the type

- Journal article
- Book
- Book section
- Conference paper
- Journal article**
- Patent
- Preprint
- Project deliverable
- Project milestone
- Proposal
- Report
- Software documentation
- Thesis
- Technical note
- Working paper
- Other

Provide some basic information (1/2)

Leave this empty unless your upload already has a DOI

Basic information required

Digital Object Identifier

Optional. Did your publisher already assign a DOI to your upload? If not, leave the field empty and we will register a new DOI for you. A DOI allows others to easily and unambiguously cite your upload. Please note that it is NOT possible to edit a DOI once it has been registered by us, while it is always possible to edit a custom DOI.

Publication date *

Required. Format: YYYY-MM-DD. In case your upload was already published elsewhere, please use the date of first publication.

Title *

Required.

Authors *

Optional.

[+ Add another author](#)

DOIs are automatically minted so you should not need reservation in most cases

Comply with the format

**Including ORCID ID is highly recommended
If you don't have one, go to <https://orcid.org/signin>**

Provide some basic information (2/2)

Description *

Rich text editor toolbar: Bold (B), Italic (I), Underline (U), Subscript (x₂), Superscript (x²), Link, Unlink, Bulleted list, Numbered list, Decrease indent, Increase indent, Quote, Table, Undo, Redo, Text color (I_x), Background color (Σ), Insert (Ω).

Sorgente

Required.

Version

Optional. Mostly relevant for software and dataset uploads. Any string will be accepted, but semantically-versioned tag is recommended.
See semver.org for more information on semantic versioning.

Language

e.g.: 'eng', 'fr' or 'Polish'

Optional. Primary language of the record. Start by typing the language's common name in English, or its ISO 639 code (two or three-letter code).
See [ISO 639 language codes list](#) for more information.

Keywords

+ Add another keyword

Additional notes





Optional.

Important: one keyword per line, not many in the same line

Select access right and license

License required ▼

Access right *

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

Required. (Open access uploads have considerably higher visibility)

License *

Creative Commons Attribution 4.0

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 licenses in the list are harvested from opendefinition.org and spdx.org. If you think that a license is missing from the list, please [contact us](#).

Creative Commons -> <https://creativecommons.org/share-your-work/licensing-examples/>

Software licenses -> <https://choosealicense.com/licenses/>

Provide funding information, if available

Funding recommended ▾

The INFN Open Access Repository 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 INFN Open Access Repository curator will need to validate your upload - you may experience a delay before it is available in OpenAIRE.

[+ Add another grant](#)

Add all relevant grants

Fill this part only if your upload refers to an EU funded project

Recommended: provide related/alternate identifiers, if any

Related/alternate identifiers recommended ▾

Specify identifiers of related publications and datasets. Supported identifiers include: DOI, Handle, ARK, PURL, ISSN, ISBN, PubMed ID, PubMed Central ID, ADS Bibliographic Code, arXiv, Life Science Identifiers (LSID), EAN-13, ISTC, URNs and URLs.

▮▮▮ Related identifiers ▾ ×

[+ Add another related identifier](#)

**Click & specify the relations
of your upload to other
contents either on INFN
OAR or elsewhere**

- cites this upload
- is cited by this upload
- is supplemented by this upload
- is a supplement to this upload
- is referenced by this upload
- references this upload
- is previous version of this upload
- is new version of this upload
- has this upload as part
- is part of this upload
- documents this upload
- is documented by this upload
- is compiled/create by this upload
- compiled/created this upload
- is identical to this upload
- is an alternate identifier of this upload

Provide additional information, save and submit your upload

Open the additional fields
and fill them (if/as needed)

Contributors	optional >
References	optional >
Journal	optional >
Conference	optional >
Book/Report/Chapter	optional >
Thesis	optional >
Subjects	optional >
<input type="button" value="Delete"/>	<input type="button" value="Save"/> <input type="button" value="Publish"/>

First «Save» your upload

Then «Publish» it to submit it

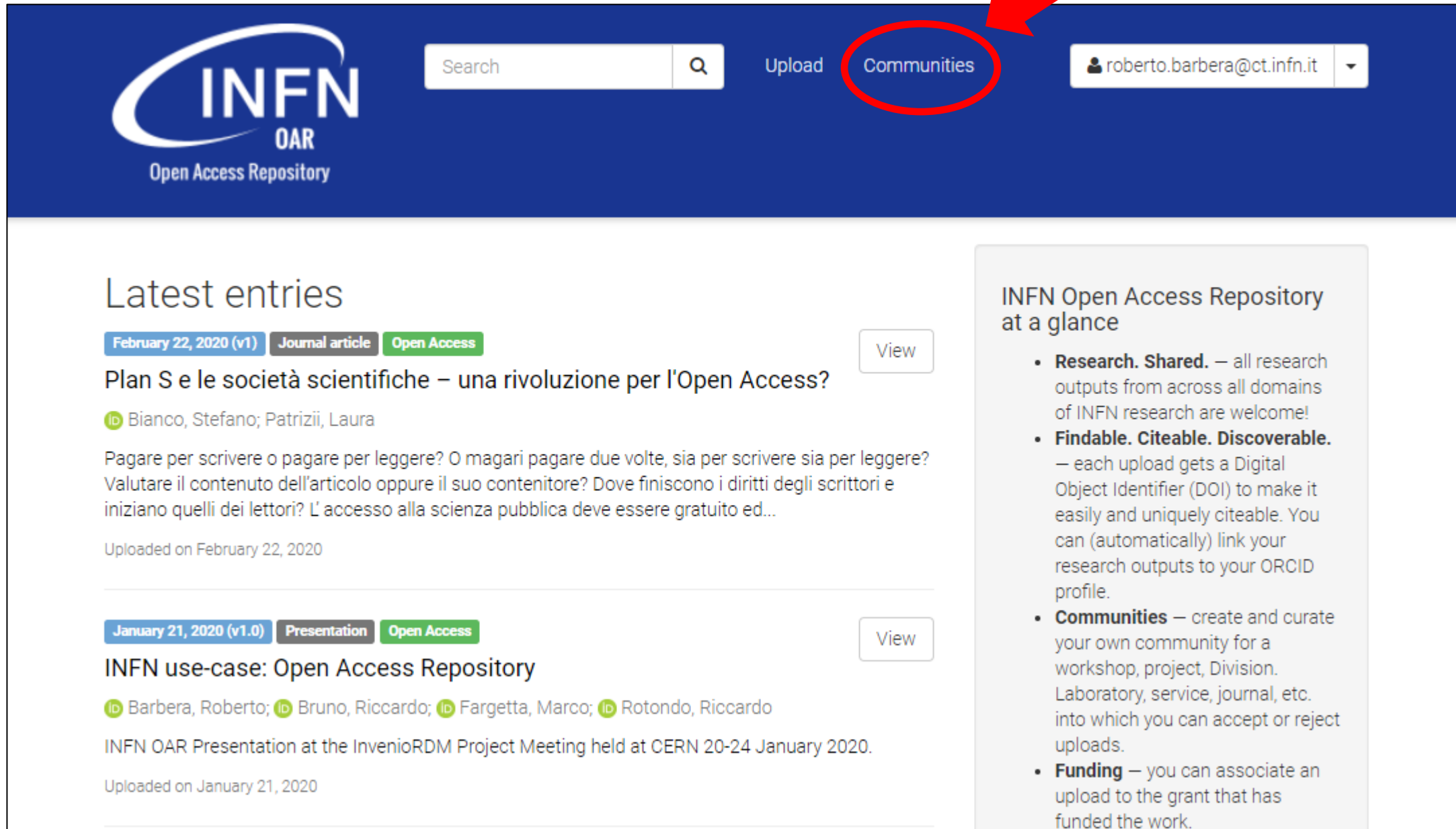
What happens when you submit your upload?

- You receive an email saying that your upload has been committed
- The curator(s) of the community(ies) you selected in the upload form receive(s) an email with the request to approve/deny the addition of your upload in the community(ies)
- If the request(s) is(are) accepted, your upload will become visible in the page(s) of the selected community(ies)

How to browse/create existing/new communities?

Browse communities (1/2)

Click on Communities



INFN
OAR
Open Access Repository


Search

Upload **Communities**

Latest entries

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Browse communities (2/2)

Communities created and curated by INFN Open Access Repository users

Search communities

Showing 0 to 8 out of 8 communities.

Sort by

Associazione italiana per la promozione della scienza aperta (AISA)

View

Collection of videos, writings and presentation slides from the events organized by the Associazione italiana per la promozione della scienza aperta.

Curated by: MLO_Pievatolo

INFN

View

Contains research outputs and other types of contents produced by INFN affiliated (staff, research associates, etc.)

Curated by: INFN

PALMS

View

PALMS (Physical Activity Lifelong Modelling & Simulation) is an agent-based micro-simulation that predicts the lifelong physical activity behavior of individuals of a population and its effect on their quality of life. The simulation can be used to...

Curated by: anabrunel

University of Innsbruck

View

Test community for University of Innsbruck.

Curated by: thomas_haselwanter

Istituto Zooprofilattico Sperimentale della Sicilia

View

Contains research outputs and other types of contents produced by IZS Sicilia affiliated (staff, research associates, etc.)

Curated by: pietrolaplaca

COVIDSTAT-INFN

View

Curate

CovidStat is a project carried out by the CovidStat Working Group at INFN, whose creation was promoted within the Italian National Institute of Nuclear Physics with the aim of making a statistical analysis of the data provided daily by the Civil...

Curated by: roberto_barbera

My communities

New

COVIDSTAT-INFN

Identifier: covidstat-infn

Actions

Department of Physics and Astronomy 'E. Majorana' of the University of Catania

Identifier: dfa

Actions

Click on View to browse the contents belonging to a community

Create a new community (1/2)

Communities created and curated by INFN Open Access Repository users

Search communities

Showing 0 to 8 out of 8 communities. Sort by ▾

- Associazione italiana per la promozione della scienza aperta (AISA)** View
Collection of videos, writings and presentation slides from the events organized by the Associazione italiana per la promozione della scienza aperta.
Curated by: MLO_Pievatolo
- INFN** View
Contains research outputs and other types of contents produced by INFN affiliated (staff, research associates, etc.)
Curated by: INFN
- PALMS** View
PALMS (Physical Activity Lifelong Modelling & Simulation) is an agent-based micro-simulation that predicts the lifelong physical activity behavior of individuals of a population and its effect on their quality of life. The simulation can be used to...
Curated by: anabrunel
- University of Innsbruck** View
Test community for University of Innsbruck.
Curated by: thomas_haselwanter
- Istituto Zooprofilattico Sperimentale della Sicilia** View
Contains research outputs and other types of contents produced by IZS Sicilia affiliated (staff, research associates, etc.)
Curated by: pietrolaplaca
- COVIDSTAT-INFN** View Curate
CovidStat is a project carried out by the CovidStat Working Group at INFN, whose creation was promoted within the Italian National Institute of Nuclear Physics with the aim of making a statistical analysis of the data provided daily by the Civil...
Curated by: roberto_barbera

My communities New

- COVIDSTAT-INFN** Actions ▾
Identifier: covidstat-infn
- Department of Physics and Astronomy 'E. Majorana' of the University of Catania** Actions ▾
Identifier: dfa

Click on New to create a new community

Create a new community (1/2) - fill the form and then “Create”

New community

Information ▾

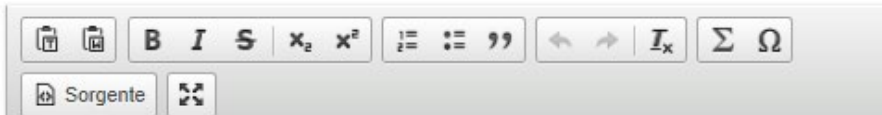
Identifier

Required. Only letters, numbers and dash are allowed. The identifier is used in the URL for the community collection, and cannot be modified later.

Title

Required.

Description



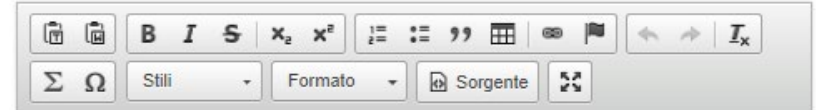
Optional. A short description of the community collection, which will be displayed on the index page of the community.

Curation Policy



Optional. Please describe briefly and precisely the policy by which you accepted/reject new uploads in this community.

Page



Optional. A long description of the community collection, which will be displayed on a separate page linked from the index page.

Logo

Nessun file selezionato

Optional. Image file used to aid and promote instant public recognition. Supported formats: PNG, JPG and SVG. Max file size: 1.5 MB


Create

**What if something goes wrong
and you need support?**

Scroll the INFN OAR home page till the end

June 2, 2019 (v1) Software Open Access View

Valutazione Rischio Chimico_LNF


 Cantone, Claudio

Il file è un foglio di calcolo Microsoft Excel che implementa un algoritmo, approvato dalle Regioni Emilia Romagna, Lombardia e Toscana che è reperibile on line, gratuitamente, all'indirizzo <http://www.ausl.mo.it/dsp/movarisch> . Lo scopo del file è solo informativo per consentire ai Ricercatori...

Uploaded on June 2, 2019

May 9, 2019 (v2) Presentation Open Access View

Plan S e accesso aperto: fra principi, mercato e processi valutativi della ricerca

 Stefano Bianco


Presentation by Stefano Bianco at the conference "I costi della conoscenza", Pisa May 9th 2019.




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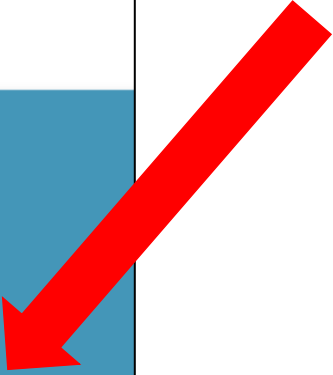
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3. Specify the record(s) you want to update by the INFN Open Access Repository URL, e.g.:
"https://www.openaccessrepository.it/record/8428".
Providing only the record's title, publication date or a screenshot with search result is not explicit enough.
4. If you want to delete or update a file, specify it by its filename, and mention if you want the name to remain as is or changed (by default the filename of the new file will be used).
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Subject
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How can we help?
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Browser & OS **Operating System:** Windows 10 - **Browser:** Chrome 81.0.4044

Include this information to assist us with narrowing down the cause of your problem.

Select the category of the problem you have

Describe your problem as clearly as possible

Upload screenshot(s) with error message(s), if appropriate

Send request

That's it with the “how-to”!

You can now
either

go to <https://openaccessrepository.it> and
enjoy the INFN Open Access Repository

or

read the next slides to get some
additional information

Additional information and context

INFN Open Access Repository – Initial Requirements

- Compliant with Plan S
- Supports widely adopted protocols
- Able to store all kinds of digital assets
- Able to automatically harvest and store INFN-authored documents from other repositories
- Supports the management during the periodic national research assessments (VQR)
- Increases the visibility of both INFN research and researchers
- Compliant with EOSC guidelines

INFN OAR - the underlying DAMS ->

- Open source
- Deployable on a local infrastructure (i.e., not a hosted service)
- Compliant with main standards (e.g., [DCMI](#), [Marc21](#), [OAI-PMH](#))
- Can store all kinds of research outputs
- Large community
 - Co-developed by a large international collaboration comprising institutes such as CERN, DESY, EPFL, FNAL, SLAC and used as institutional Digital Asset Management System (DAMS) by tens of scientific institutions worldwide
- Active development
- Scalability
 - the CERN Document Server operates and manages since 2002 more than 0.7 million records in high-energy physics, covering articles, books, journals, photos, videos, and more
 - Zenodo currently hosts about 1.5 million records belonging to various disciplines
- Experience
 - Work with Invenio at INFN Catania since 2006

INFN OAR - a bit of history

The screenshot shows the Open Access Repository (OAR) website. The header includes the OAR logo and the text "Open Access Repository BETA". Below the header, there is a search bar with "Search 15,511 records for:" and a "Search" button. The main content area is divided into two columns. The left column lists various categories of records: Audio-Video (4), Datasets (189), Images (4), Presentations (57), Posters (7), Publications (15,050), and Software (191). The right column contains sections for "ABOUT THIS SITE", "CERTIFICATION AND COMPLIANCE", and "SUPPORTERS".

- Developed at Catania since 2014
- Intended to be a standard & certified single entry point for the deposit of research outputs and other digital assets
- Uses standards to exchange data and metadata with other repositories ([arXiv](#), [SCOAP³](#), [Zenodo](#), [re3data](#), etc.)

The screenshot shows the "Registration Record" page. It features a table with the following data:

element name	element value
Base URL	http://www.openaccessrepository.it/oa2d
Repository Name	Open Access Repository
Protocol Version	2.0
Email	librarian@openaccessrepository.it
Registration Date	2014-05-06T10:47:29Z
Date Last Validated	Tue May 6 10:47:29 2014
OAI Repository ID	www.openaccessrepository.it

Below the table, there is a note: "If you are the maintainer of this repository, you may update the information recorded to match new information exposed via the Identify response by running the validation/registrations...".

The screenshot shows the OpenDOAR directory search results for "Open Access Repository". The search criteria are: "Open Access Repository", Any Subject Area, Any Country, Any Language, Any Software, Any Context Type, Any Repository Type. The results show one entry for "Open Access Repository" with the following details:

- URL: http://www.openaccessrepository.it
- Organization: INFN
- Address: Via Santa Sofia, 12, Catania
- Country: Italy
- Location: Latitude: 37.526700 & Longitude: 15.073100
- Description: Open Access repository of INFN publications and data, to be eventually extended to other organisations. The interface is in English.
- Type: Institutional - Operational
- Size: 2026 items (2014-05-19)
- OAI-PMH: http://www.openaccessrepository.it/oa2d
- Software: Invenio
- Subjects: Physics and Astronomy
- Content: Articles, Conferences, Datasets, Multimedia, Software, Special Collections, Preprints

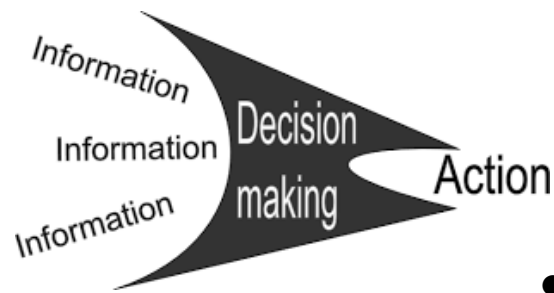
The screenshot shows the EXPLORE website search results for "Open Access Repository". The search criteria are: Institutional Repository, OpenAIRE 3.0 OAI, funding. The results show 1,439 results with funding information. The OAI-PMH is http://www.openaccessrepository.it/oa2d. The countries are Italy. The results are categorized as follows:

- Publications (7,005)
- Research Data (0)
- Software (0)
- Other Research Products (2,157)
- Organizations (1)
- Statistics
- Metrics

The metrics section shows: 562 views in OpenAIRE, 0 views in local repository, and 0 downloads in local repository.

INFN OAR - a bit of history

- Since INFN OAR first version (2014):
 - Invenio v1 reached its end of life and will not receive any further updates
 - Invenio v2, was a transitional release never made widely public
 - Zenodo was officially launched
 - Invenio v3.0 was officially released (June 2018)
 - Zenodo developers released their code on GitHub, including the GUI (August 2018)



- Migration from Invenio v1 to Zenodo (based on Invenio v3)
- Zenodo GUI customised and adapted as the front-end of the new version of the INFN OAR
- Integration with INFN-AAI, [GARR IDEM](#) and [eduGAIN](#)
 - ([SAML](#)-based) federated authentication
- Re-engineering of back-end architecture into micro-services
 - [Kubernetes](#)
 - [CI/CD](#)
- First deployed at the end of 2018
- Open for use since end of March 2019

INFN OAR – functionalities and compliances

The screenshot displays the INFN OAR website interface. At the top, there is a navigation bar with the INFN OAR logo, a search bar, and links for 'Upload', 'Communities', and 'Login'. Below the navigation bar, the 'Latest entries' section lists four items, each with a date, type, and 'Open Access' status, and a 'View' button. The first entry is a journal article from February 22, 2020, titled 'Plan S e le società scientifiche – una rivoluzione per l'Open Access?'. The second is a presentation from January 21, 2020, titled 'INFN use-case: Open Access Repository'. The third is a journal article from October 8, 2019, titled 'Dimensional reduction in networks of non-Markovian spiking neurons: Equivalence of synaptic filtering and heterogeneous propagation delays'. The fourth is a poster from October 16, 2019, titled 'Science Reproducibility and Reusability with FutureGateway and a Zenodo-like repository: the PALMS experiment'. To the right of the 'Latest entries' section, there is a box titled 'INFN Open Access Repository at a glance' containing a list of key features: Research. Shared., Findable. Citeable. Discoverable., Communities, Funding, and Flexible licensing. Below this box is a section for 'Tweets by @INFN_' showing a tweet in Italian about a research proposal. At the bottom of the screenshot, there is a URL: <http://openaccessrepository.it>

- Adopts leading-edge technologies in the domain of digital repositories
- Includes the possibility for digital assets, offered by the new Zenodo GUI, to be stored in the repository not only open access but also embargoed, restricted and closed
- Exploits the concept of “communities”, which is central in the Zenodo architecture, to cope with several aggregation of contents: per INFN division, per Scientific Committee, per project, per initiative, etc.
- Open to non-INFN users (thanks to the concept of «Communities»)
- Supports DOI versioning
- **Is compliant with Plan S requirements & guidelines**
- **Is compliant with FAIR principles**

Plan S requirements & guidelines (<https://bit.ly/2Vo4jrE>)

The image is a screenshot of the Plan S website. At the top left, there is a logo consisting of an orange padlock icon followed by the text 'Plan S' and the tagline 'Making full and immediate Open Access a reality'. To the right of the logo, there are navigation links: 'Why Plan S', 'Principles and Implementation' (which is underlined), 'Who's involved', and 'About'. Below these links are 'Contact' and 'Apply for Transformative Journal status'. The main content area features a large graphic with a white background and orange accents. The graphic contains the text 'Making full and immediate Open Access a reality' in white on an orange background, and 'Principles and Implementation' in orange below it. The background of the graphic is filled with various icons related to technology, education, and open access, such as a laptop, a lightbulb, a padlock, a gear, a shield, a graduation cap, a magnifying glass, a thumbs up, and a network diagram.

FAIR principles (www.go-fair.org/fair-principles/)

FAIR Principles	Compliance
 <h3>Findability</h3> <p>Resource and its metadata are easy to find by both, humans and computer systems. Basic machine readable descriptive metadata allows the discovery of interesting data sets and services.</p>	<ul style="list-style-type: none">✓ F1. Resource is uploaded to a public repository.✓ F2. Metadata are assigned a globally unique and persistent identifier.
 <h3>Accessibility</h3> <p>Resource and metadata are stored for the long term such that they can be easily accessed and downloaded or locally used by humans and ideally also machines using standard communication protocols.</p>	<ul style="list-style-type: none">✓ A1. Resource is accessible for download or manipulation by humans and is ideally also machine readable.✓ A2. Publications and data repositories have contingency plans to assure that metadata remain accessible, even when the resource or the repository are no longer available.
 <h3>Interoperability</h3> <p>Metadata should be ready to be exchanged, interpreted and combined in a (semi)automated way with other data sets by humans as well as computer systems.</p>	<ul style="list-style-type: none">✓ I1. Resource is uploaded to a repository that is interoperable with other platforms.✓ I2. Repository meta- data schema maps to or implements the CG Core metadata schema.✓ I3. Metadata use standard vocabularies and/or ontologies.
 <h3>Reusability</h3> <p>Data and metadata are sufficiently well-described to allow data to be reused in future research, allowing for integration with other compatible data sources. Proper citation must be facilitated, and the conditions under which the data can be used should be clear to machines</p>	<ul style="list-style-type: none">✓ R1. Metadata are released with a clear and accessible usage license.✓ R2. Metadata about data and datasets are richly described with a plurality of accurate and relevant attributes.