

Corso nazionale di formazione "Scienza Aperta e INFN»
17-18 febbraio 2025

L'archivio istituzionale INFN Open Access Repository

guida alle funzionalità, esercitazione pratica

Irene Piergentili

(curatrice dell'archivio istituzionale OAR - ORCID: [0000-0003-4295-8412](https://orcid.org/0000-0003-4295-8412))

Indice

- 1. Cos'è un repository?**
- 2. Open Access Repository**
- 3. Login e profilo personale**
- 4. Communities**
- 5. Deposito dei prodotti in OAR**
- 6. Ricerca avanzata**
- 7. Demo / Esercitazione**

1. Cos'è un repository?

It's a Repository, it's a Depository, it's an Archive...

Jean-Claude Guédon

Guédon J-C. (2009). It's a repository, it's a depository, it's an archive: Open Access, digital collections and value. ARBOR Ciencia, Pensamiento y Cultura CLXXXV 737 Mayo-Junio pp. 581-595.
<http://arbor.revistas.csic.es/index.php/arbor/article/viewFile/315/316>

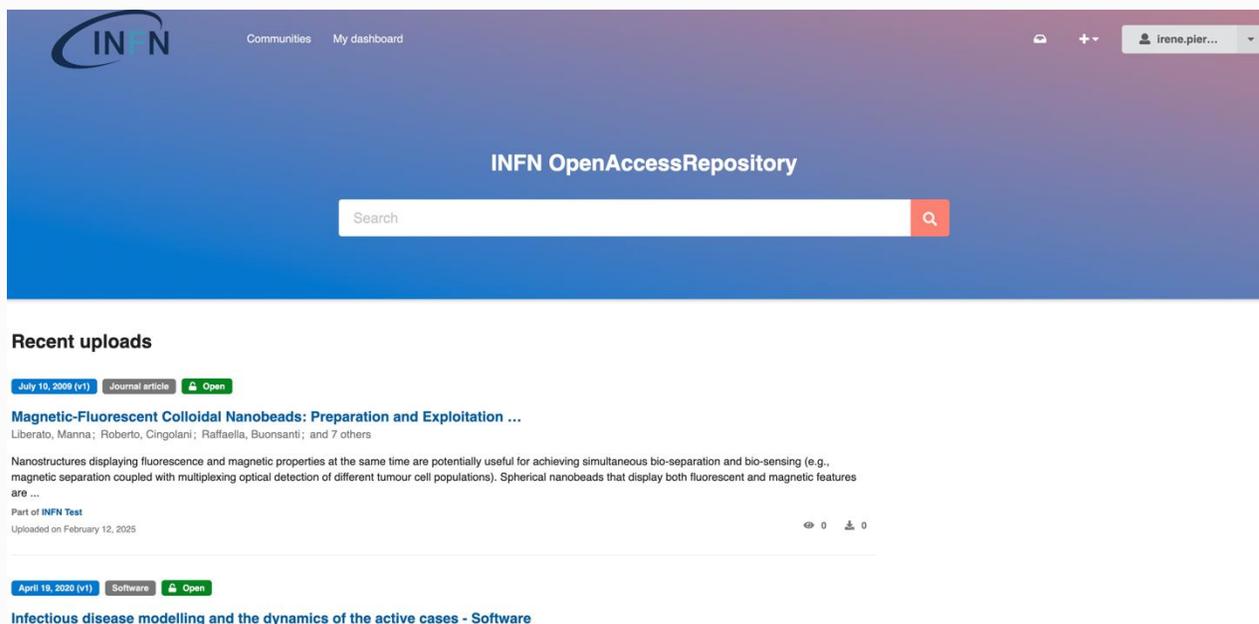
Designed by freepick

Cos'è un repository?

Entrambi sono diversi dai database bibliografici o citazionali che contengono solo letteratura *peer-reviewed*



Repository istituzionali



Repository disciplinari



Quelle: Khurana, S. (2020). Commonly used pre-print servers for researchers

Sapevi che l'INFN ha un archivio istituzionale open access?



2. Open Access Repository



Basato su **InvenioRDM**
software Open source
sviluppato dal CERN



Segue lo schema di
metadati **DataCite**
Metadata schema 4.0

Utilizza standard per lo
scambio di dati e
metadati con altri archivi
(OAI-PMH)

01

02

03

04

05

Conforme alle linee guida
di **EOSC** (European Open
Science Cloud), di **PlanS** e
ai principi **FAIR**

Conforme ai principali
standard bibliografici
(ad es. DCMI, Marc21,
DataCite)

Open Access Repository

COS'È

destinato ad essere il principale punto di accesso per il deposito di risultati della ricerca e altre risorse digitali dell'INFN

COSA SI PUÒ DEPOSITARE

numerosi formati e tipologie di record

CHI LO USA

ricercatori e personale INFN, altri enti (ISPRA, AISA, CoPER, ecc.)

CARATTERISTICHE

registrazione DOI, Related id, *versioning*, licenze d'uso, vocabolari controllati per autori, strutture, funders e soggetti

Migrazione a InvenioRDM

versione attuale: Invenio
framework v3



in corso migrazione a
InvenioRDM v12 da parte di
INFN-CNAF
(rilasciata a Luglio 2024)

VOCABOLARI CONTROLLATI

Consentono l'**autocompletamento** dei campi

- **Affiliations** (nome e ID univoco ente)
- **Names** (autori)
- **Subjects** (soggetto)
- **Users** (verifica e approvazione profili utente)



ROR (Research organization registry)

identificativo univoco per le istituzioni, sotto il campo *funders.identifiers* nel vocabolario delle istituzioni

METADATA ONLY RECORDS

GESTIONE COMMUNITIES

I curatori delle Communities possono **modificare** i record

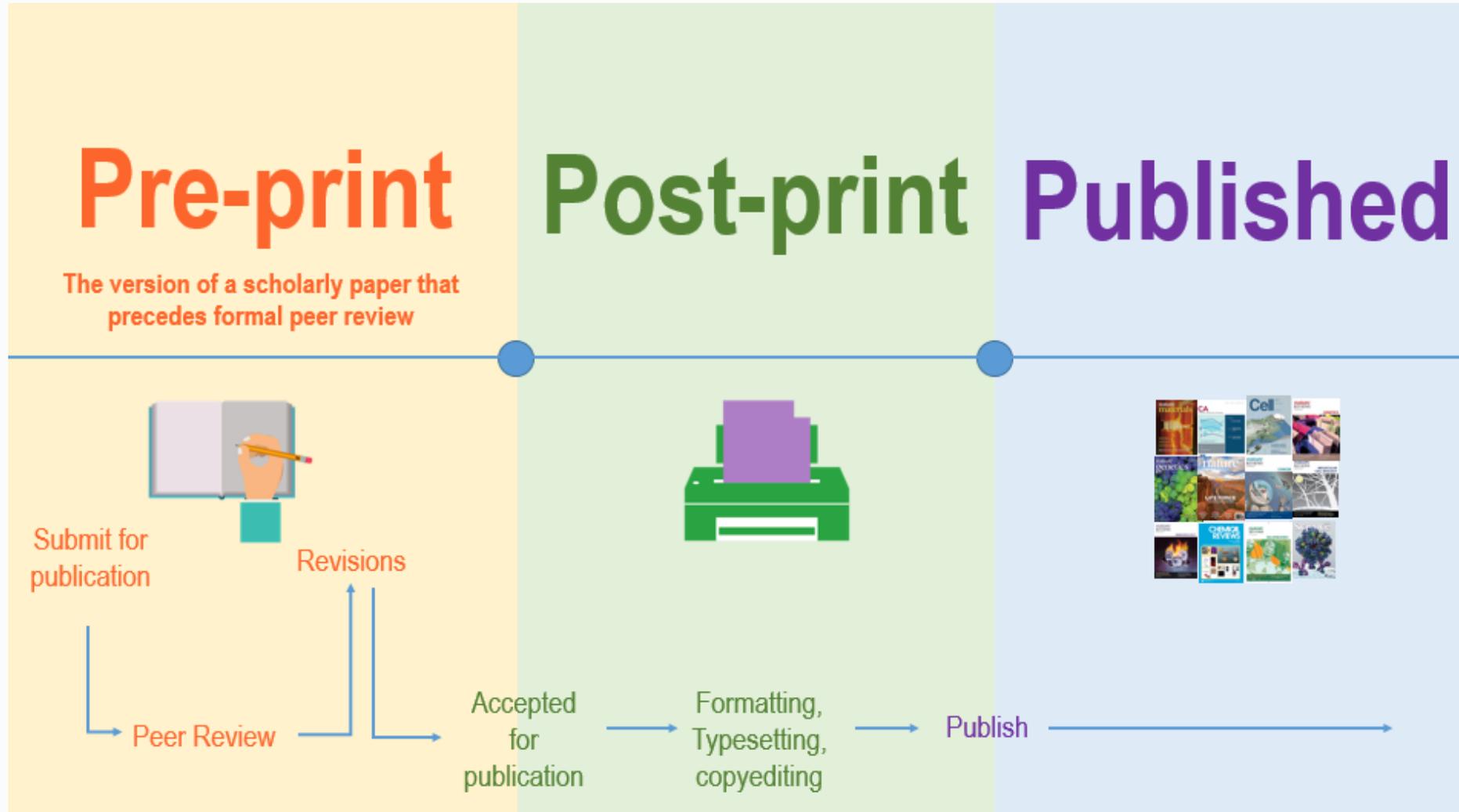
“un modo comune e condiviso per organizzare codici e nomenclature ricorrenti in maniera standardizzata e normalizzata (vocabolari controllati) e una concettualizzazione esaustiva e rigorosa nell’ambito di un dato dominio (ontologia o modello dei dati condiviso)”

Art. 4 [Piano Triennale per l'informatica nella Pubblica Amministrazione](#)

Prodotti della ricerca INFN



Preprint – AAM - VoR



Preprint – AAM - VoR

Open Access Repository ospiterà principalmente **preprint** e **AAM (Author Accepted Manuscript)**

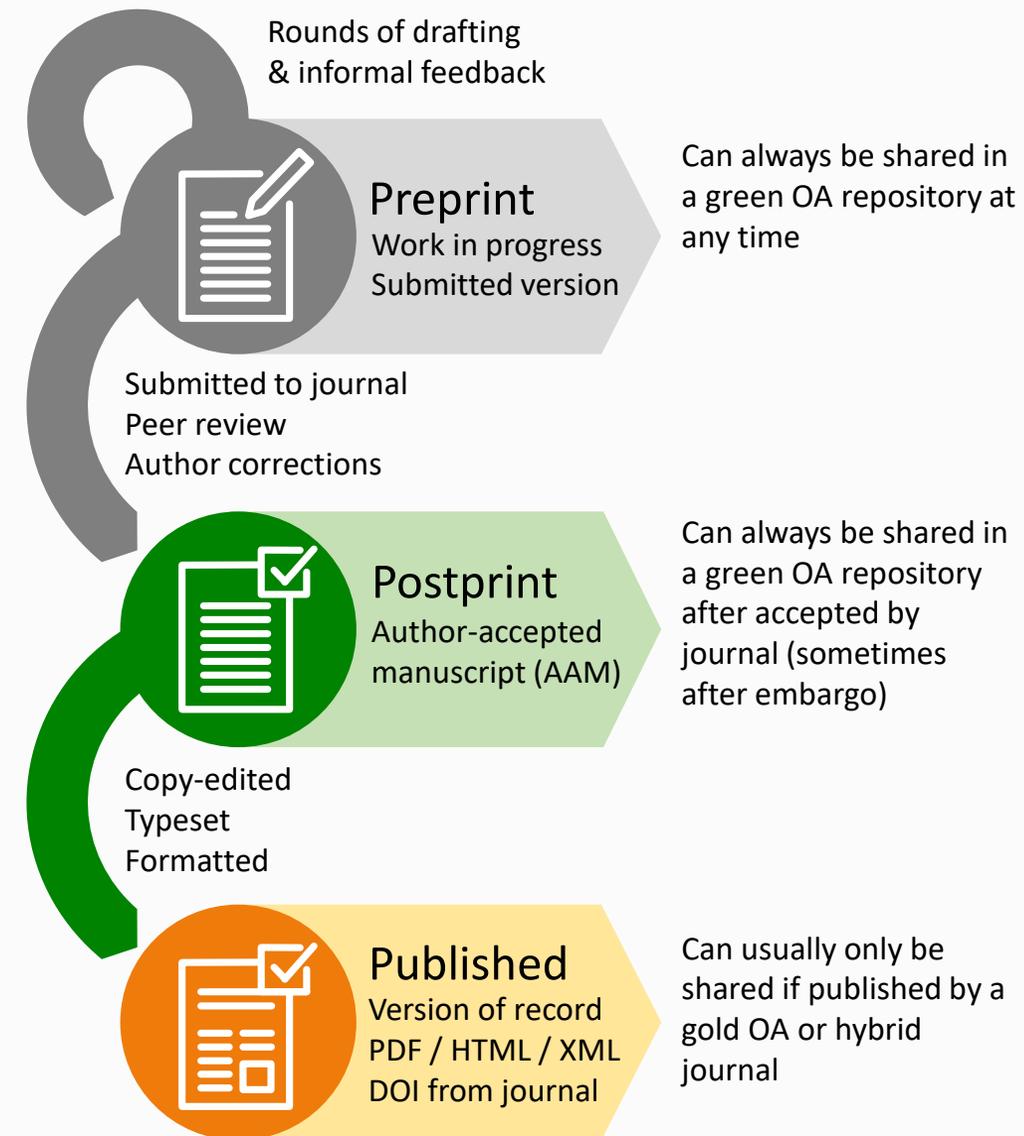


ATTENZIONE! Spesso la **VoR (Version of Record)** non è depositabile in archivi ad accesso aperto.

Per conoscere quale versione dell'articolo è possibile depositare e se sono applicati periodi di embargo verificare le policy editoriali su

[Open policy finder](#)

(prima SHERPA-RoMEO)



Thomas Shafee - Own work; adapted from diagram by Ginny Barbour, CC BY 4.0, <https://commons.wikimedia.org/w/index.php?curid=87548648>

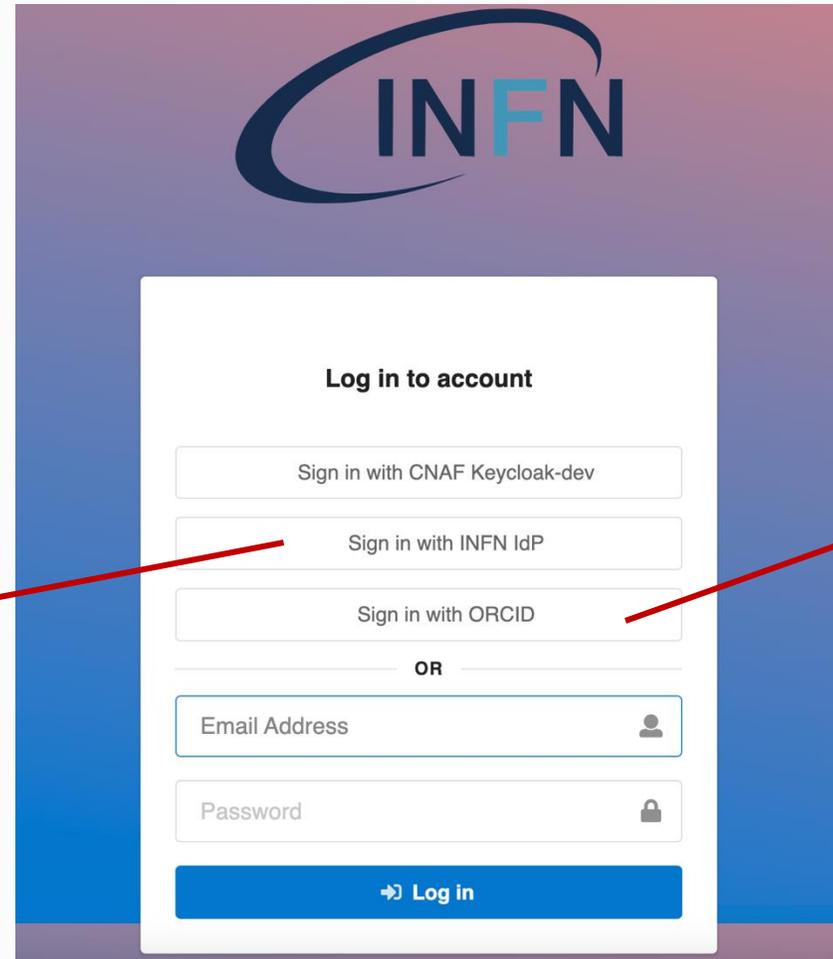
Solitamente dove conservi/condividi i prodotti che si possono depositare in OAR?



3. Login e profilo personale

Login

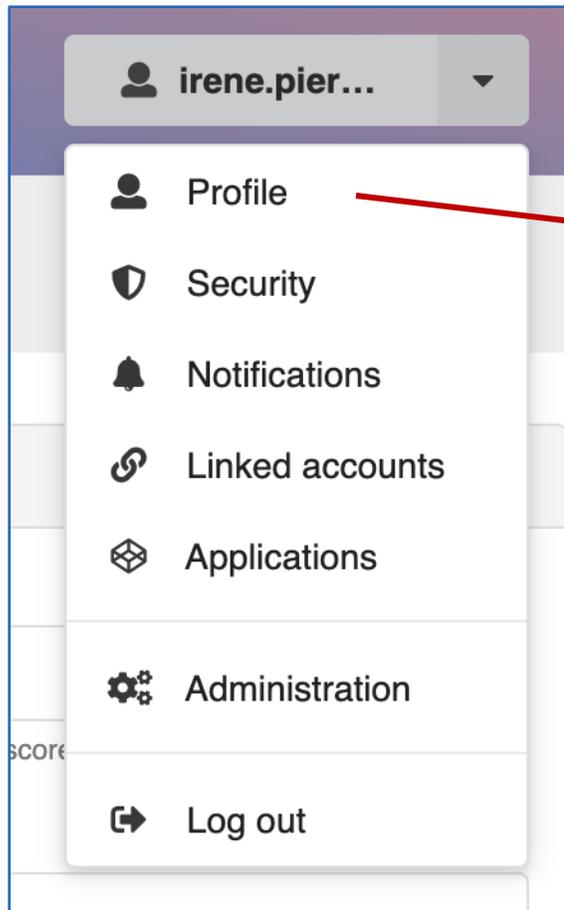
Single sign-on
credenziali INFN



ORCID
stands for
Open Researcher and Contributor ID

Codice univoco e
persistente (PID) che
identifica ricercatori e altri
autori di pubblicazioni
scientifiche

Profilo utente



A user profile dropdown menu for 'irene.pier...'. The menu items are: Profile, Security, Notifications, Linked accounts, Applications, Administration, and Log out. A red arrow points from the 'Profile' option to the 'My account' page.

My account

Settings

- Profile**
- Security
- Notifications
- Linked accounts
- Applications

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

Affiliations

Email address

Re-enter email address

Please re-enter your email address.

Profilo utente

Se si effettua il primo login con ORCID o non si collega il proprio account ORCID dal profilo bisognerà inserire i propri dati al momento del login

My account

Settings

Profile

Security

Notifications

Linked accounts

Applications

Linked accounts

Tired of entering password for INFN rdm every time you sign in? Set up single sign-on with one or more of the services below:

CNAF Keycloak-dev
CNAF Authentication Service

Connect

INFN IdP ✓
INFN Authentication Service

Disconnect

ORCID ✓
Connecting Research and Researchers.

Disconnect

4. Communities

Communities

Organize, curate and collaborate on records for your institution, project, topic or event.

Search communities

My communities [See all](#)

- Photocathode for Particle A...**
This community is related to Photocathodes for Particle...
- Esempio progetto INFN**
Test progetto con related works a più livelli
- CNR-ILIESI**
Pubblicazioni digitali e altro materiale prodotto dall'Istituto...
- OPERAS-IT**
Nodo italiano dell'infrastruttura OPERAS (Open Scholarly...)
- ICSC Spoke 3 - WP1 and WP2 ...**
This community contains research outputs and other...

INFN <https://www.infn.it> **Project** **National Institute for Nuclear Physics** **ORCID**

Records [Requests](#) [Members](#) [Settings](#) [Curation policy](#) [About](#)

1,503 results found Sort by **Newest**

January 21, 2015 (v1)

Production cross sections for intermediate mass fragments from dynamical and statistical decay of projectile-like fragments in Sn 124 + Ni 64 and Sn 112 + Ni 58 collisions at 35 A MeV
Russotto, P.; Et, Al.

Background: In heavy-ion collisions at intermediate energies the production of light charged particles and intermediate mass fragments (IMFs) is due to different reaction mechanisms and different time scales, ranging from fast dynamical processes to statistical emission from the equilibrated system. Purpose: We compare the IMF statistical and dy...

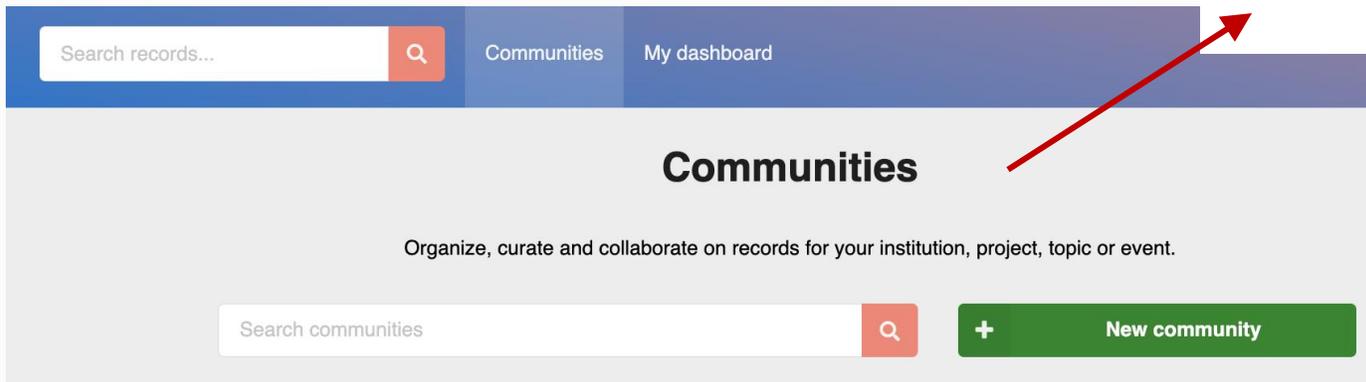
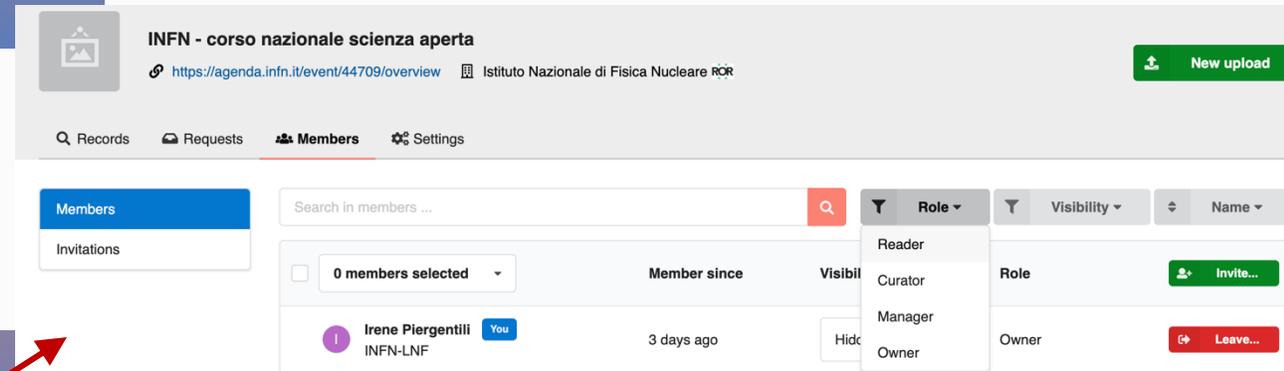
Part of **INFN**
Uploaded on January 31, 2025

November 27, 1986 (v1)

Impianto da vuoto di AFRODITE
Chimentì, V.; Turchetti, G.

Selezionare SEMPRE la community INFN ed eventualmente altre community

New community



My dashboard

INFN Search records... Communities My dashboard irene.pier... + New community

Irene Piergentili INFN-LNF

Uploads Communities **Requests**

Open Closed Search in my requests...

27 results found Sort by Newest

Member invitation Accept Decline Cancel

Invitation to join "Photocathode for Particle Accelerator Applications"
Opened 17 hours ago by Photocathode for Particle Accelerator Applications Expires at: 13/03/2025

Member invitation Accept Decline Cancel

Invitation to join "Esempio progetto INFN"
Opened 17 hours ago by Esempio progetto INFN Expires at: 13/03/2025

Member invitation Accept Decline Cancel

Invitation to join "CNR-ILIESI"
Opened 17 hours ago by CNR-ILIESI Expires at: 13/03/2025

5. Deposito dei prodotti in OAR

Art. 5

“
Gli Autori depositano i propri
Prodotti nell'**Archivio istituzionale**
dell'INFN. Il deposito non
è richiesto laddove il Prodotto sia
già stato depositato su arXiv oppure
su InspireHEP.
”

GREEN
OA

Disciplinare per l'accesso aperto ai prodotti della ricerca dell'INFN, <https://doi.org/10.15161/oar.it/143269>

Deposito dei prodotti in OAR - in sintesi

1 Cliccare su + >
New Upload

2 Selezionare un file e caricarlo:
Upload files

3 Inserire i metadati

4 Save draft >
Publish

1

2

3

4

Si può eliminare un record finché è in stato di bozza (prima di selezionare Publish)

Non è obbligatorio caricare un file, basta compilare tutti i metadati obbligatori *

New upload
New community

Deposito dei prodotti in OAR - metadati

- Community
- Files (allegati)
- Basic information
- Recommended information
- Funding
- Alternative identifiers

- Related works
- References
- Publishing information
- Conference
- INFN Experiment
- INFN OAR

Community

Select the community where you want to submit your record.

Select a community

Selezionare la Community nella quale si vuole depositare il record (se ne può selezionare più di una)

N.B. La selezione della Community INFN è obbligatoria per il personale INFN

Al termine dell'upload se avete selezionato una community si aprirà una schermata **“Submit for review”**.

Select a community

All My communities Search in all communities

INFN Test This is the inspire to OAR upload test **Select**

Organization

INFN Test Community for testing **Select**

Organization

« < 1 2 3 4 5 6 > »

Close

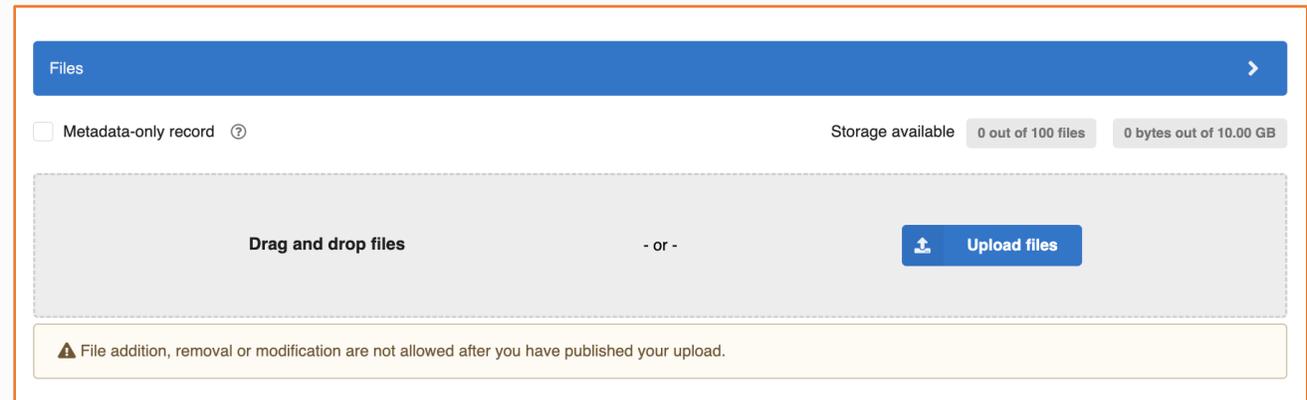
Files

Selezionare o trascinare l'allegato

- fino a 100 files
- Dimensioni massime 50GB

È possibile compilare i soli metadati del record:

Metadata-only record (es. Dataset di grandi dimensioni)



Basic information

- **DOI: identificatore univoco persistente per identificare il record (o in generale un oggetto digitale)**
- Resource type: tipologia del record
- Title
- Publishing date
- **Creators**
- Description: abstract o sintetica descrizione del contenuto
- **Licenses** : licenza di utilizzo (per l'INFN CC-BY – Art. 5.8 Disciplinare)

Basic information

Digital Object Identifier*
Do you already have a DOI for this upload? Yes No
Copy/paste your existing DOI here...
A DOI allows your upload to be easily and unambiguously cited. Example: 10.1234/foo.bar

Resource type*

Title*

+ Add titles

Publication date*
2025-02-16
In case your upload was already published elsewhere, please use the date of the first publication. Format: YYYY-MM-DD, YYYY-MM, or YYYY. For intervals use DATE/DATE, e.g. 1939/1945.

Creators*
+ Add creator

Description
Paragraph **B I** [Link](#) [Image](#) [Quote](#) [Table](#) [List](#) [List](#) [List](#) [List](#) [Undo](#) [Redo](#)

Additional Description*
Paragraph **B I** [Link](#) [Image](#) [Quote](#) [Table](#) [List](#) [List](#) [List](#) [List](#) [Undo](#) [Redo](#)
Type*
Abstract
Abstract
Methods
Other
Series information
Table of contents
Technical info

+ Add description

Licenses
Creative Commons Attribution 4.0 International
The Creative Commons Attribution license allows re-distribution and re-use of a licensed work on the condition that the creator is appropriately credited. [Read more](#) [Edit](#) [Remove](#)

+ Add standard + Add custom

Creators

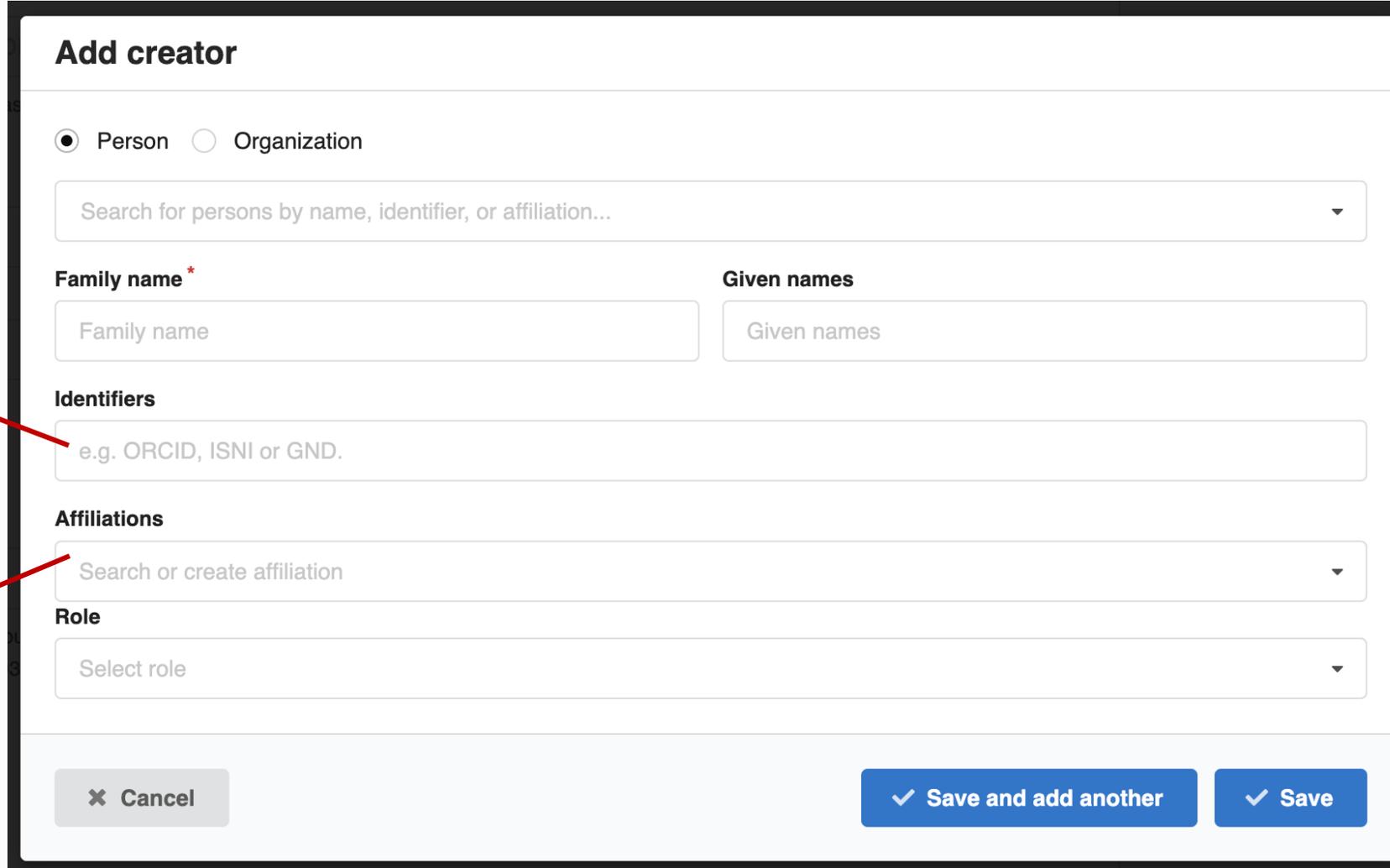
Il responsabile della creazione del prodotto

ORCID

Identificatore univoco e persistente per i ricercatori

ROR

Identificatore univoco e persistente per gli enti di ricerca



Add creator

Person Organization

Search for persons by name, identifier, or affiliation...

Family name * **Given names**

Identifiers

Affiliations

Role

Recommended information

- Contributors: chi ha collaborato alla creazione del prodotto ma non ne è l'autore (es. supervisor, gruppi di ricerca)
- **Keywords and Subject**
- Languages
- Dates
- Version
- Publisher: editore

Recommended information

Contributors

+ Add contributor

Keywords and subjects

Suggest from: All

Languages

Dates

Date *	Type *	Description
<input type="text" value="YYYY-MM-DD or YYYY-MM-DD/YYYY-MM-DD"/>	<input type="text"/>	<input type="text"/>

Format: DATE or DATE/DATE where DATE is YYYY or YYYY-MM or YYYY-MM-DD.

+ Add date

Version

Mostly relevant for software and dataset uploads. A semantic version string is preferred see semver.org, but any version string is accepted.

Publisher

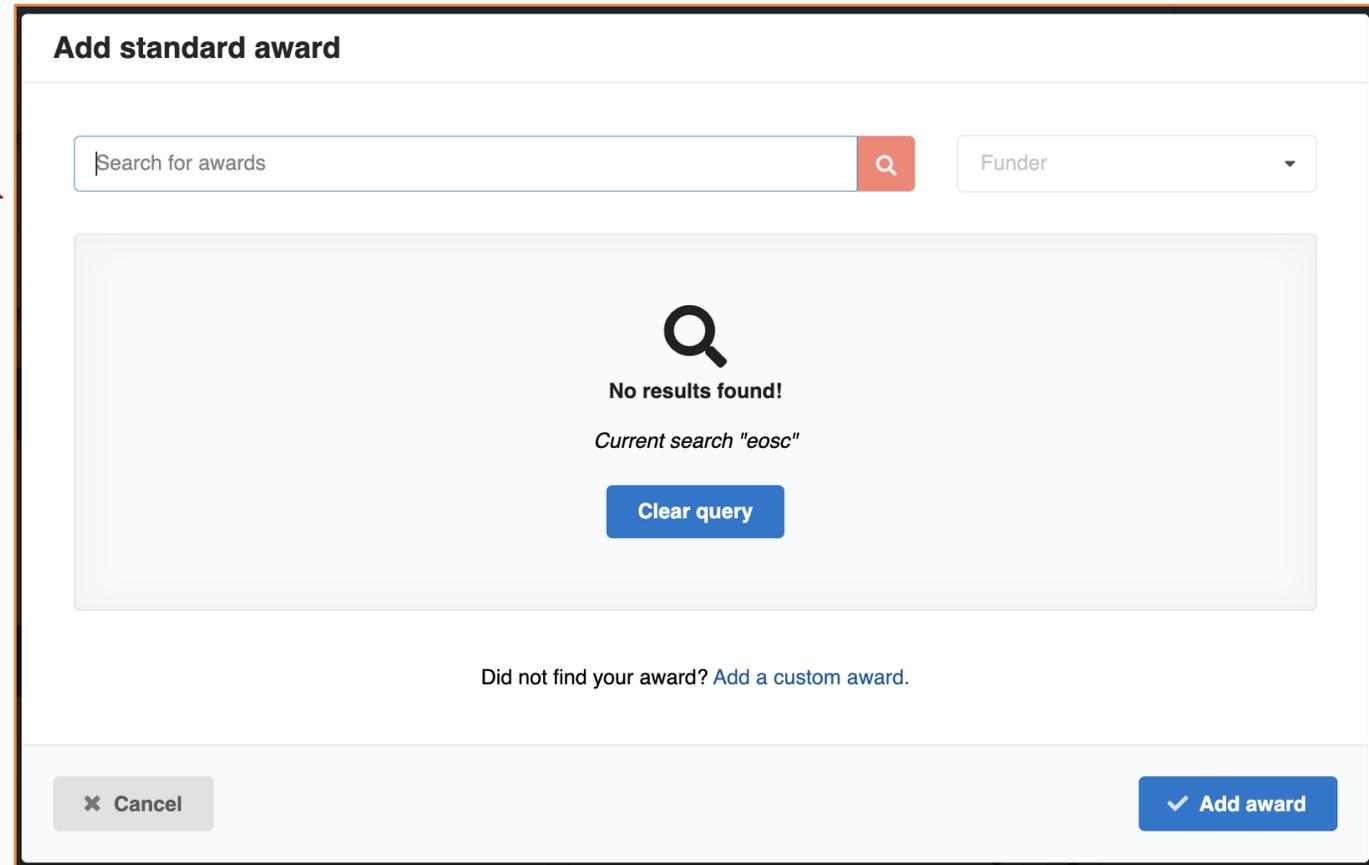
The publisher is used to formulate the citation, so consider the prominence of the role.

Funding



- Chi ha finanziato il progetto (**Funder**) o **Award/Grant** nell'ambito del quale è stato creato il prodotto depositato

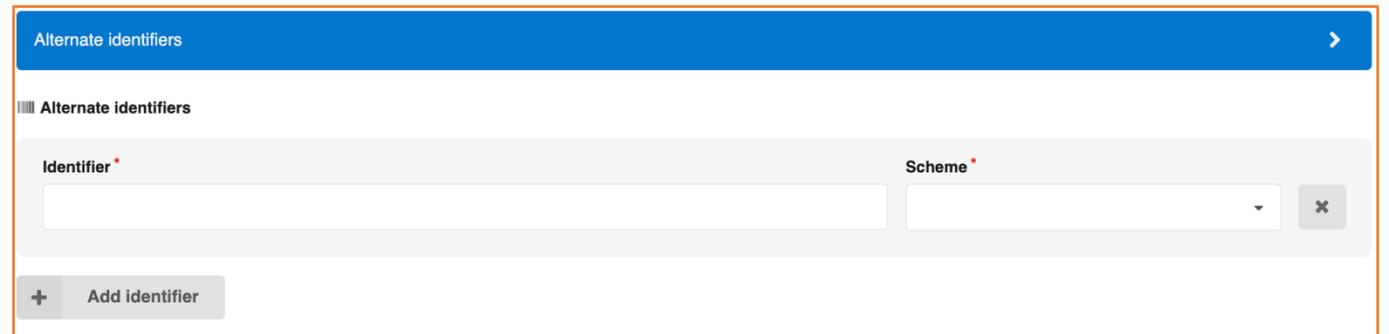
N.B. Prossimamente saranno inseriti vocabolari controllati per Awards e Funders



Alternative identifiers

- Altri identificatori associati al prodotto

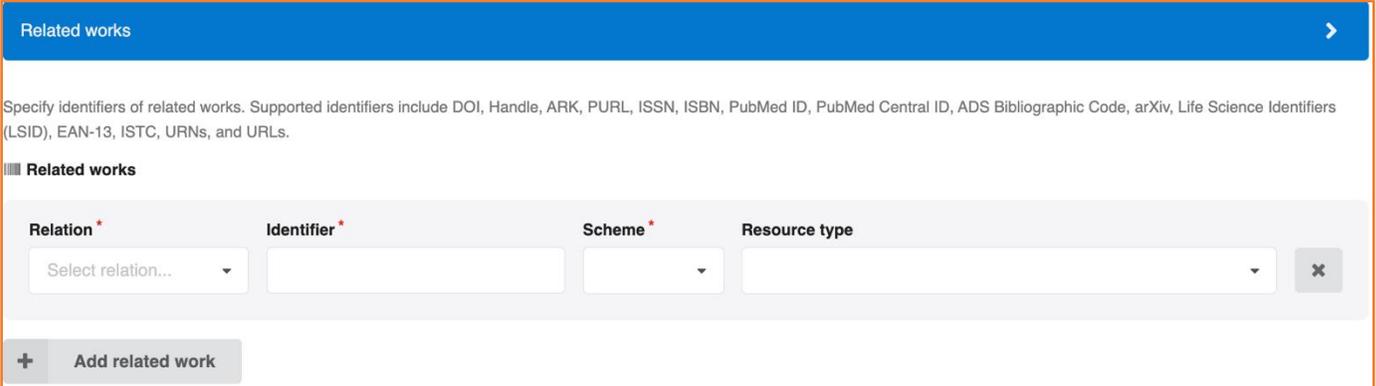
Es. Per le Note tecniche inserire il numero che identifica il prodotto e selezionare **Schema: Other**



The screenshot shows a web interface for managing alternate identifiers. At the top, there is a blue header bar with the text 'Alternate identifiers' and a right-pointing arrow. Below this, the section is titled 'Alternate identifiers' with a small icon of three vertical bars. The main area contains two input fields: 'Identifier *' and 'Scheme *'. The 'Identifier' field is a text input, and the 'Scheme' field is a dropdown menu with a small 'x' icon to its right. At the bottom left of the form, there is a button with a plus sign and the text 'Add identifier'.

Related works

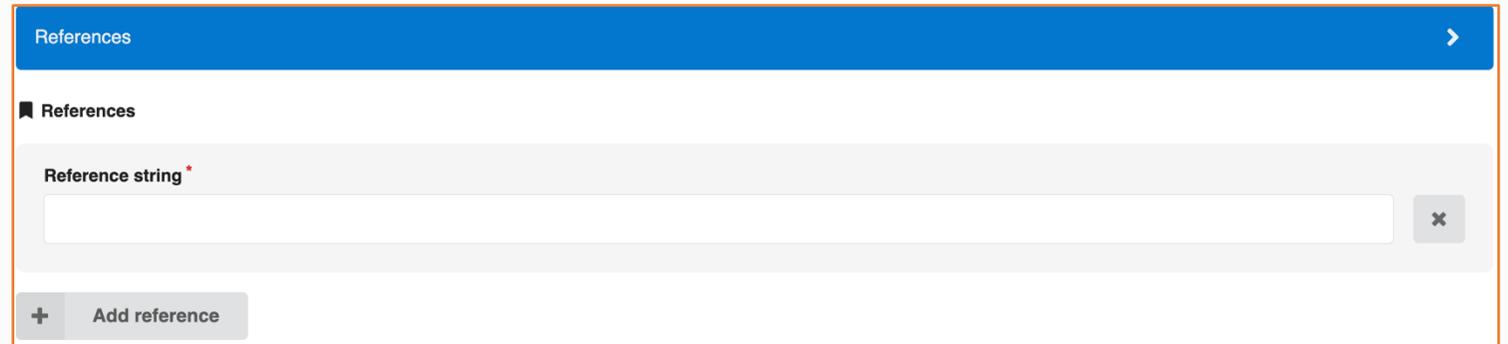
- **Relation:** specificare il tipo di relazione tra le due risorse (ad es. una pubblicazione “Is Supplemented by” un dataset, oppure un AAM “Is new version of” un preprint)
- **Identifier**
- **Schema** (schema dell'id)
- **Resource Type**



The screenshot shows a web form titled "Related works" with a blue header bar. Below the header, there is a text instruction: "Specify identifiers of related works. Supported identifiers include DOI, Handle, ARK, PURL, ISSN, ISBN, PubMed ID, PubMed Central ID, ADS Bibliographic Code, arXiv, Life Science Identifiers (LSID), EAN-13, ISTD, URNs, and URLs." Below this instruction, the form is titled "Related works" and contains four input fields: "Relation" (a dropdown menu with "Select relation..." selected), "Identifier" (a text input field), "Scheme" (a dropdown menu), and "Resource type" (a dropdown menu). A close button (X) is located to the right of the "Resource type" field. At the bottom of the form, there is a button with a plus sign and the text "Add related work".

References

Qui è possibile inserire i **riferimenti bibliografici** utilizzando qualsiasi stile citazionale



The screenshot shows a user interface for managing references. At the top, there is a blue header bar with the text 'References' and a right-pointing arrow. Below the header, there is a section titled 'References' with a small square icon to its left. Underneath, there is a label 'Reference string' followed by a red asterisk, indicating a required field. Below the label is a large, empty text input box with a small 'x' icon on the right side. At the bottom of the interface, there is a button with a plus sign and the text 'Add reference'.

Publishing information

Ulteriori informazioni bibliografiche

- Rivista
- Book o Report
- Tesi

Publishing information >

Journal

Title	<input type="text"/>	ISSN	<input type="text"/>
Title of the journal in which the article was published		International Standard Serial Number	
Volume	<input type="text"/>	Issue	<input type="text"/>
e.g. 645		e.g. 7	
Page range or article number		<input type="text"/>	
		e.g. 15-23 or A29	

Imprint (Book, Chapter, or Report)

Book or report title	<input type="text"/>	ISBN	<input type="text"/>
Title of the book or report which this upload is part of		International Standard Book Number	
Place	<input type="text"/>	Pagination	<input type="text"/>
e.g. city, country		e.g. 15-23 or 158	
Place where the book or report was published			

Thesis

Awarding university	<input type="text"/>
----------------------------	----------------------

Conference

Informazioni sull'evento
nell'ambito del quale è stato
prodotto/pubblicato il prodotto
depositato

Conference >

Title	<input type="text"/>	Acronym	<input type="text"/>
Place	<input type="text"/>	Dates	<input type="text" value="e.g. 21-22 November 2022."/>
<small>Location where the conference took place.</small>			
Website	<input type="text"/>		
Session	<input type="text" value="e.g. VI"/>	Part	<input type="text" value="e.g. 1"/>
<small>Session within the conference.</small>		<small>Part within the session.</small>	

INFN Experiment

Esperimento o progetto collegato al prodotto depositato

N.B. Il sottocampo *Experiment name* (*INFN experiment*) conterrà un vocabolario controllato con gli esperimenti e progetti a cui l'INFN partecipa

INFN Experiment

INFN Experiment

Borexino

Experiment name

Contact person

email or other contact reference

Experiment contact person

Experiment description

Paragraph **B** *I* [link](#) [code](#) [quote](#) [table](#) [list](#) [list](#) [align](#) [align](#) [undo](#) [redo](#)

You should fill this field with the experiment description.

Experiment URL

https://your.experiment.url

URL of the experiment to which the record belongs to.

INFN OAR

- [Normativa legale e informativa](#) (Art. 5 Disciplinare)
- **APC (Article Processing Charge):** eventuali spese sostenute per la pubblicazione in accesso aperto

INFN OAR

◆ **Sottoscrivo la dichiarazione legale e accetto l'informativa *** Yes No

La dichiarazione legale: <https://web.infn.it/openscience/depositare-in-oar/normativa> va accettata obbligatoriamente.

📄 **Article Processing Charge (EUR)**

0

Inserire il costo in EUR

📄 **Payment details**

RDA, ...

Numero di Richiesta di Acquisto o altro riferimento contabile equivalente

Visibilità (o diritti di accesso)

Qui è possibile limitare l'accesso ai soli metadati ed eventualmente specificare il periodo di embargo imposto dall'editore (**SLIDE 12**)

 **Visibility ***

Full record

Public Restricted

Files only

Public **Restricted**

The files of this record are restricted.

 **Embargoed (files-only)**

The record is publicly accessible. On ??? the files will automatically be made publicly accessible. Until then, the files can **only** be accessed by **users specified** in the permissions.

Options

Apply an embargo ⓘ
Record or files protection must be **restricted** to apply an embargo.

 **Embargo until ***

YYYY-MM-DD

Format: YYYY-MM-DD

Embargo reason

Optionally, describe the reason for the embargo.

6. Ricerca avanzata

INFN

metadata.publication_date:[2020-01-01 TO *] Communities My dashboard

1,992 result(s) found Sort by Best match

Versions
 View all versions

Access status
 Open

File type
 PNG
 GZ
 PDF
 PPTX
 ZIP
 KEY
 MP4

December 29, 2020 (v1)

CovidStat project summary plots
Spighi, Roberto; Menasce, Dario; Mezzetto, Mauro; and 2 others

This record contains the daily update summary plots of the data of the CovidStat project. 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 Protection ...

Part of COVIDSTAT-INFN
Uploaded on February 11, 2025

1,992

June 24, 2020 (v1)

CovidStat project summary plots
Lista, Luca; Pedrini, Daniele; Mezzetto, Mauro; and 2 others

This record contains the daily update summary plots of the data of the CovidStat project. 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 Protection ...

Part of COVIDSTAT-INFN
Uploaded on February 11, 2025

660

655

540

59

49

14

12

May 25, 2020 (v1)

metadato:termine

Per approfondire:
[Search guide](#)
[Zenodo](#)

Ricerca a faccette

Le faccette (o filtri) consentono di perfezionare e raffinare il risultato della ricerca applicando o escludendo selezioni specifiche

3,909 result(s) found

Sort by Newest

July 10, 2009 (v1) Journal article Open

Magnetic-Fluorescent Colloidal Nanobeads: Preparation and Exploitation ...
Liberato, Manna; Roberto, Cingolani; Raffaella, Buonsanti; and 7 others
Nanostructures displaying fluorescence and magnetic properties at the same time are potentially useful for achieving simultaneous bio-separation and bio-sensing (e.g., magnetic separation coupled with multiplexing optical detection of different tumour cell populations). Spherical nanobeads that display both fluorescent and magnetic features are ...
Part of **INFN Test**
Uploaded on February 12, 2025

April 19, 2020 (v1) Software Open

Infectious disease modelling and the dynamics of the active cases - Software
Mauro, E.
We developed a model that tries to describe the dynamics of the spread of a disease among a population, in particular the progress of infected active cases. The model is then applied to describe Italy CoVID-19 outbreak and subsequently, we tried to predict possible scenarios.
Part of **COVIDSTAT-INFN**
Uploaded on February 12, 2025

January 21, 2015 (v1) Preprint Open

Production cross sections for intermediate mass fragments from dynamical and statistical decay of projectile-like fragments in Sn 124 + Ni 64 and Sn 112 + Ni 58 collisions at 35 A MeV
Russotto, P.; Et, Al.
Background: In heavy-ion collisions at intermediate energies the production of light charged particles and intermediate mass fragments (IMFs) is due to different reaction mechanisms and different time scales, ranging from fast dynamical processes to statistical emission from the equilibrated system. Purpose: We compare the IMF statistical and dy...
Part of **INFN**
Uploaded on February 12, 2025

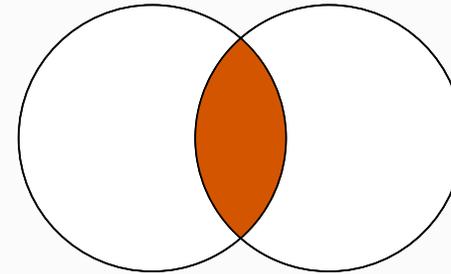
November 27, 1986 (v1) Technical note Open

Impianto da vuoto di AFRODITE
Chimenti, V.; Turchetti, G.
Come è noto il problema più importante per il progettista degli impianti da vuoto degli anelli di accumulazione di elettroni è il fenomeno della Photodesorption. Con questo termine ci si riferisce all'emissione di gas dalla parte interna della camera da vuoto dovuta all'azione della radiazione di sincrotrone emessa dai fasci circolanti. Questo de...
Part of **INFN**
Uploaded on February 12, 2025

Ricerca avanzata – operatori booleani

AND

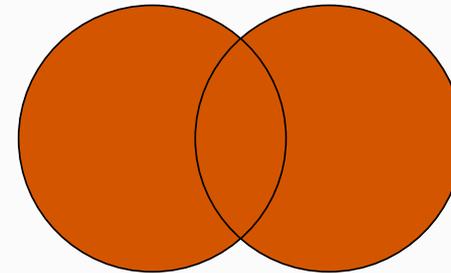
Produrrà risultati che includono TUTTE le parole ricercate



$A \text{ AND } B$

OR

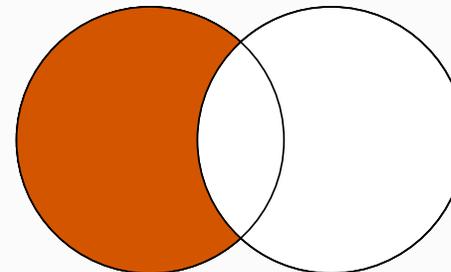
Produrrà risultati che includono ALMENO UNA delle parole ricercate



$A \text{ OR } B$

NOT

Esclude dalla ricerca uno o più termini



$A \text{ NOT } B$

Wikimedia commons, https://commons.wikimedia.org/wiki/File:Boolean_logic.svg

7. Demo / Esercitazione

- Accedere a Open Access repository (<https://zenodo-dev.infn.it/>)
- Caricare un record compilando i metadati (anche solo quelli obbligatori) e selezionando la Community **INFN - corso nazionale scienza aperta**
- * Opzionale: caricare un secondo record e collegarlo al primo (*Related id*)

Quali argomenti relativi a Open Access Repository
credi vadano ulteriormente approfonditi?



Link utili e consigli di lettura

- CERN, InvenioRDM, <https://inveniordm.web.cern.ch/>
- DataCite Metadata Working Group. (2024). DataCite Metadata Schema for the Publication and Citation of Research Data and Other Research Outputs. Version 4.5. DataCite e.V. <https://doi.org/10.14454/g8e5-6293>
- Dotti, E. M., *Un'antica tradizione per affermare l'accesso aperto: il preprint*, «Biblioteche oggi», 5 (2019), n. 2, <http://dx.doi.org/10.3302/2421-3810-201902-046-1>
- Guerrini, M. (2010). *Gli Archivi Istituzionali. Open Access, valutazione della ricerca e diritto d'autore*, Milano: Editrice Bibliografica.
- Open Access Repository (v3), <https://www.openaccessrepository.it/>
- Open Access Repository (v12-test), <https://zenodo-dev.infn.it/>
- OpenDOAR, <https://v2.sherpa.ac.uk/opensoar/>
- Open policy finder, <https://openpolicyfinder.jisc.ac.uk/>
- Sito web Open Science INFN, <https://web.infn.it/openscience>
- Wikimedia, OA Italia/Archivi istituzionali, Bollettino telematico di filosofia politica & Open Access Italia Wiki, https://wikimedia.sp.unipi.it/index.php/OA_Italia/Archivi_istituzionali

Grazie!

Contatti

- irene.piergentili@lnf.infn.it
- Gruppo di lavoro Open Science dell'INFN: openscience@lists.infn.it