FAIR at scale: From submission to reuse at



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Funded by the European Union

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CERN

EU Open Research Repository

Manage EU project's research outputs

Provides a common space to manage research outputs from EU projects.

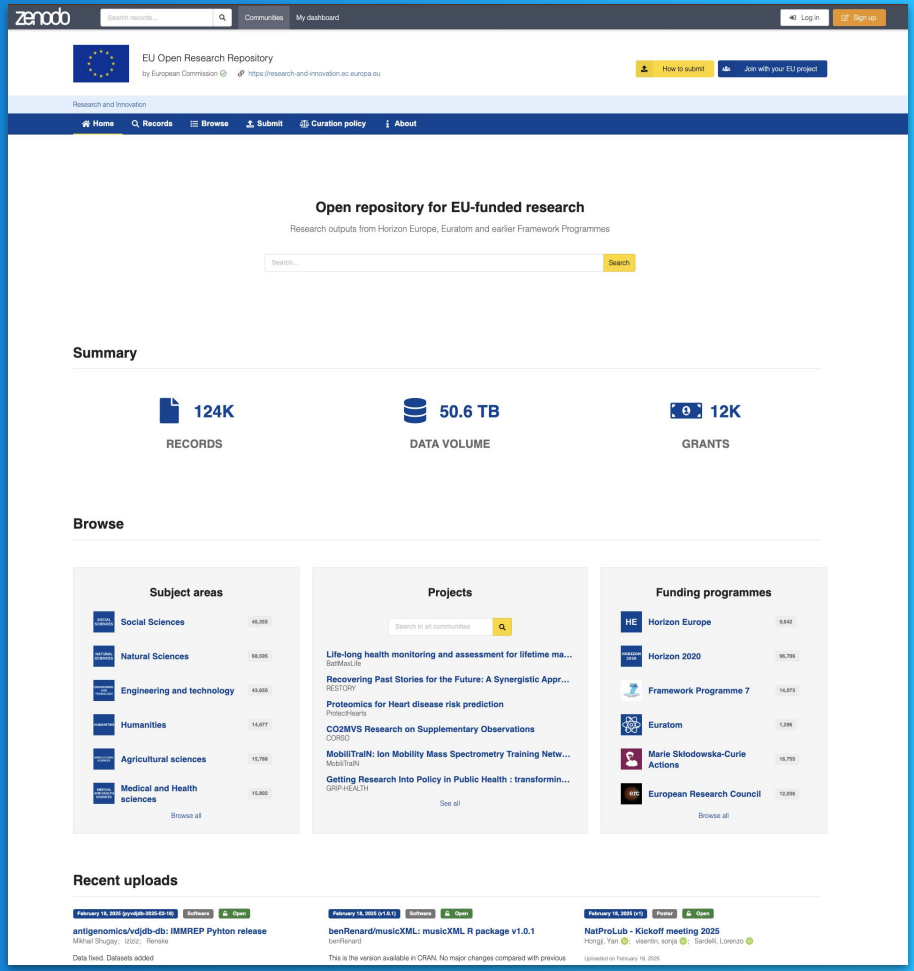
Compliance

Makes it easy to comply with the related open science requirements of the Horizon Europe grant agreement.

Eligibility

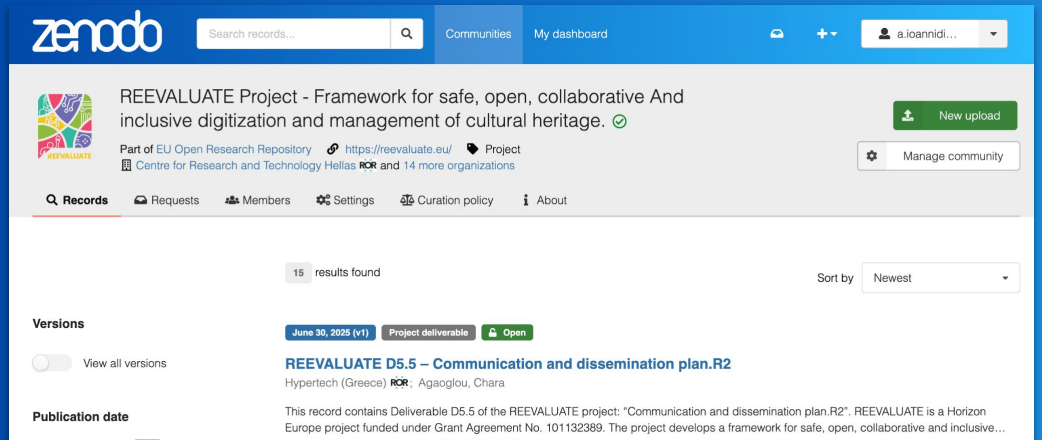
Any research output (data, software, posters, presentation, deliverables, ...) stemming from Horizon Europe and Euratom across all subject areas.

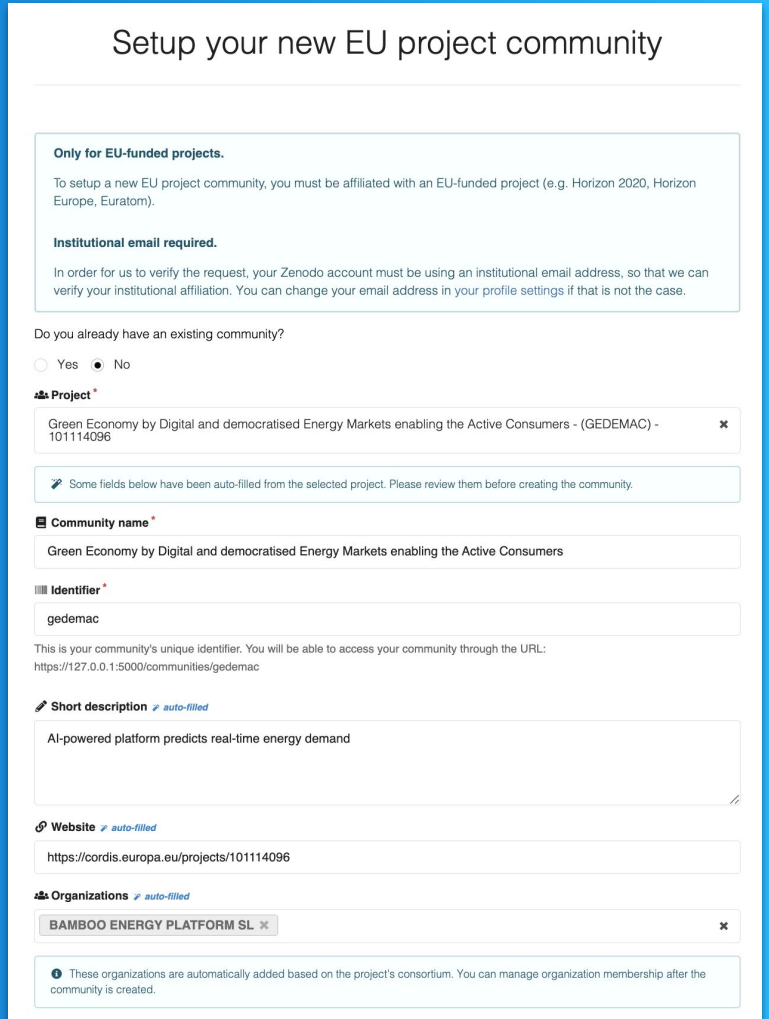
Operated on Zenodo by CERN on behalf of the European Commission.



Setting up your EU project

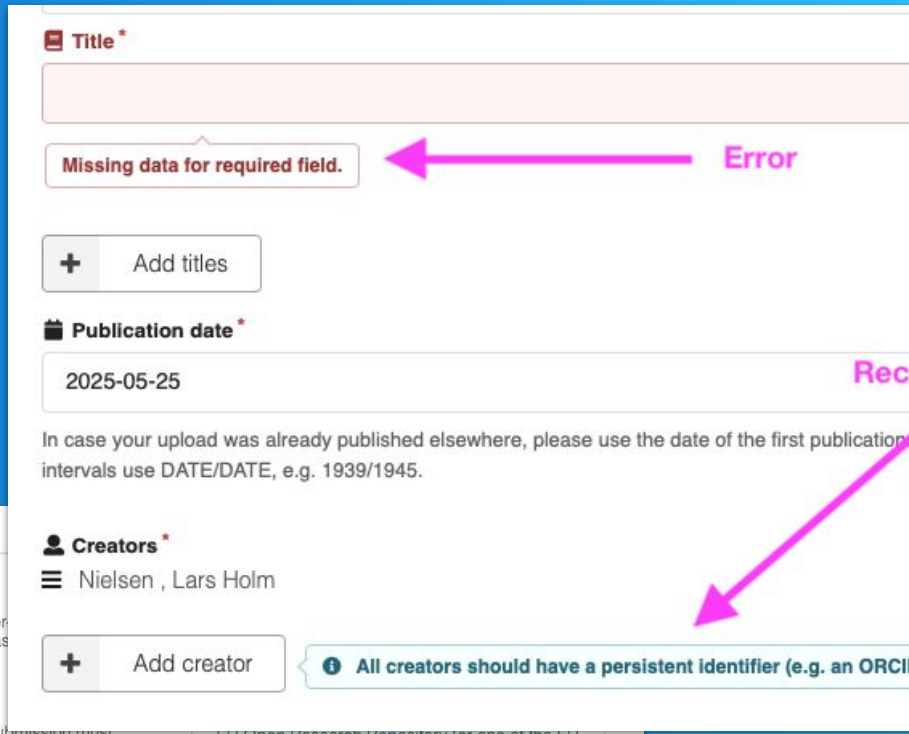
- Automatically filled in from CORDIS
  - Acronym, description, organizations
- Invite project participants
- Upload all research outputs under a single space

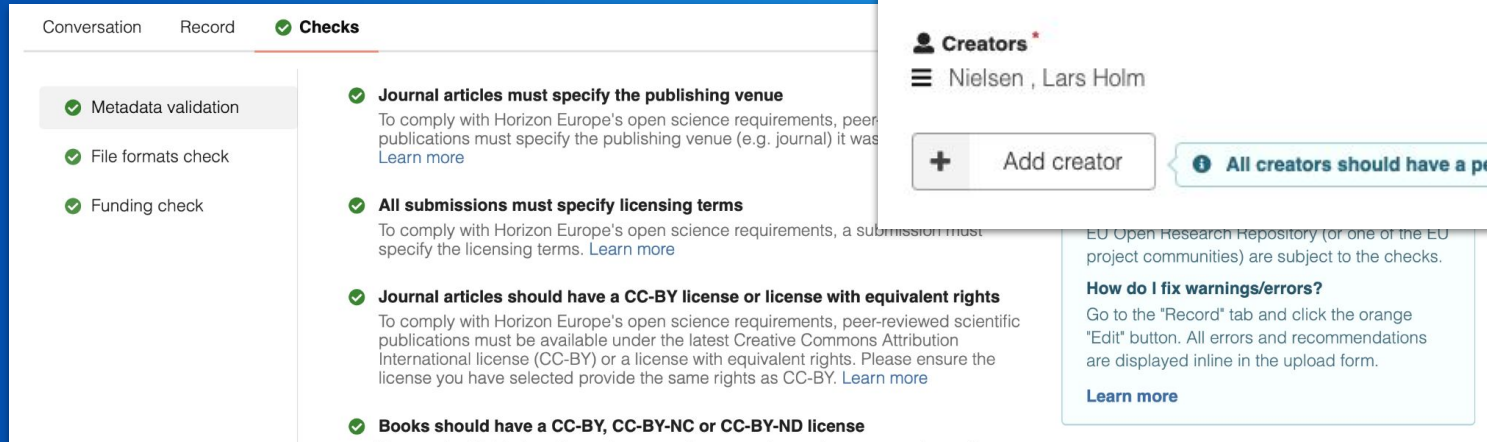




Checking the metadata

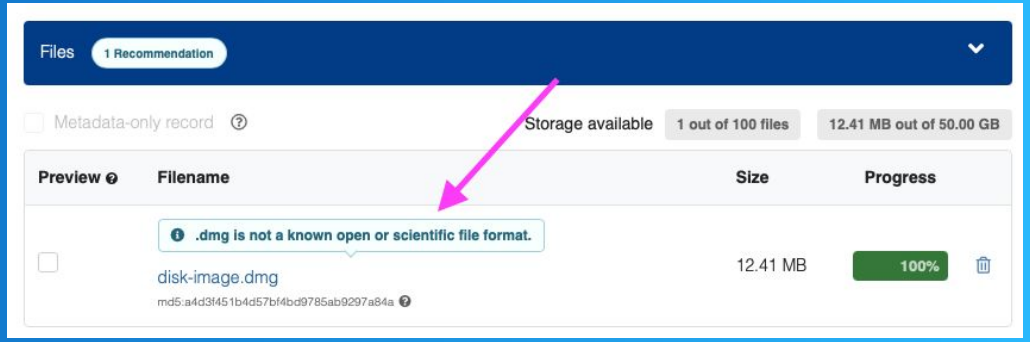
- Practical fulfillment of FAIR principles
  - Open license by output type
  - ORCIDs for authors
  - Funding information
  - Journal information

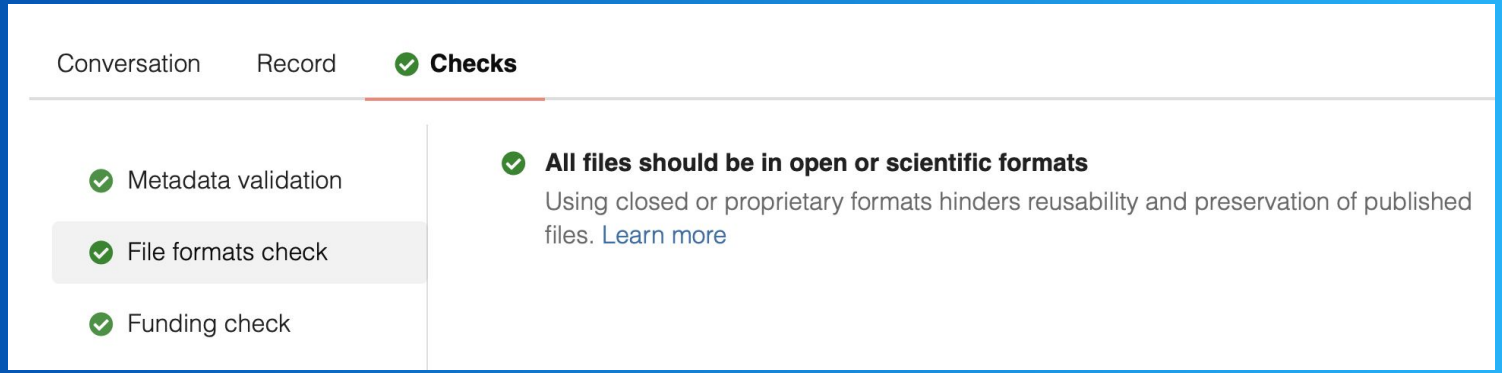




FAIR-ification beyond metadata

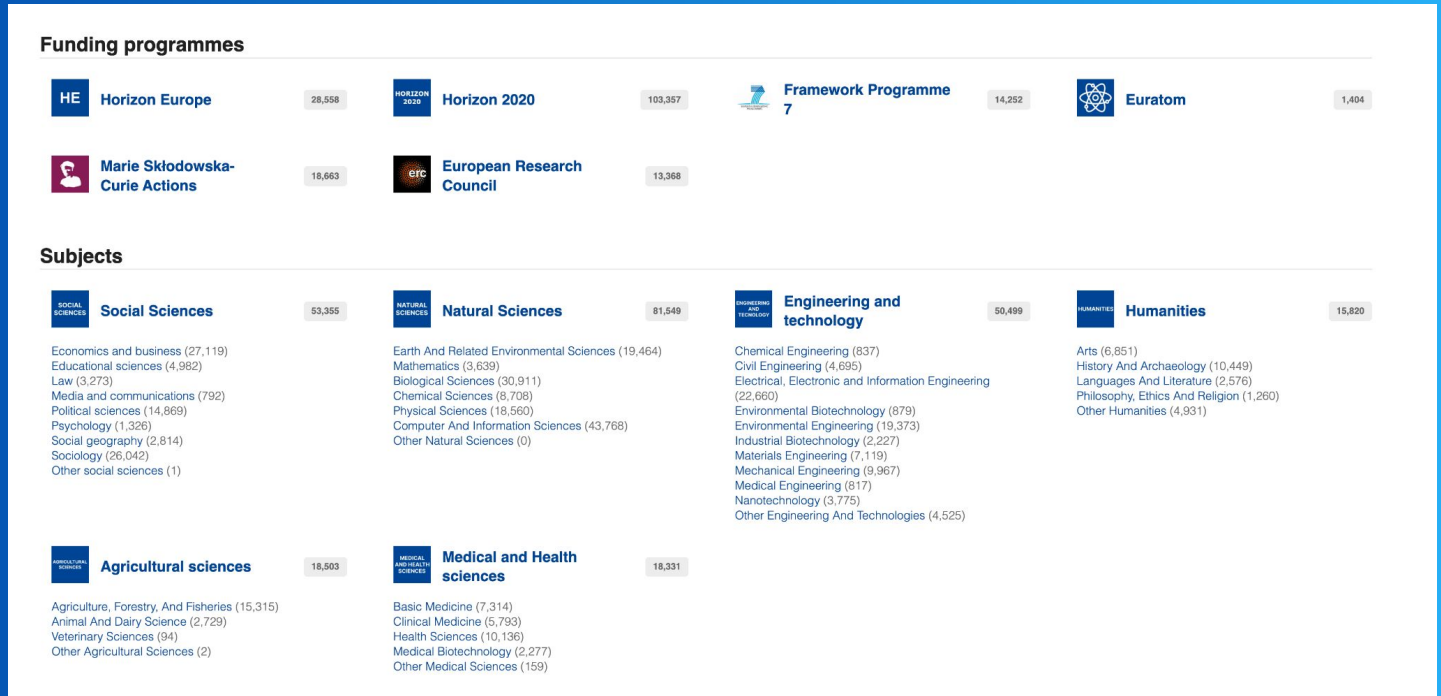
- Metadata is not enough!
- Prefer open, non-proprietary file formats
- Outputs can be **R**eused (and reproduced) in 10, 20, 50+ years





Discovering FAIR outputs

Findable research → Traceable impact



Funding programmes

- Horizon Europe 28,558
- Horizon 2020 103,357
- Framework Programme 7 14,252
- Euratom 1,404
- Marie Skłodowska-Curie Actions 18,663
- European Research Council 13,368

Subjects

Social Sciences 53,355

Economics and business (27,119)
Educational sciences (4,982)
Law (3,273)
Media and communications (792)
Political sciences (14,869)
Psychology (1,326)
Social geography (2,814)
Sociology (26,042)
Other social sciences (1)

Natural Sciences 81,549

Earth And Related Environmental Sciences (19,464)
Mathematics (3,639)
Biological Sciences (30,911)
Chemical Sciences (8,708)
Physical Sciences (18,560)
Computer And Information Sciences (43,768)
Other Natural Sciences (0)

Engineering and technology 50,499

Chemical Engineering (837)
Civil Engineering (4,695)
Electrical, Electronic and Information Engineering (22,660)
Environmental Biotechnology (879)
Environmental Engineering (19,373)
Industrial Biotechnology (2,227)
Materials Engineering (7,119)
Mechanical Engineering (9,967)
Medical Engineering (817)
Nanotechnology (3,775)
Other Engineering And Technologies (4,525)

Humanities 15,820

Arts (6,851)
History And Archaeology (10,449)
Languages And Literature (2,576)
Philosophy, Ethics And Religion (1,260)
Other Humanities (4,931)

Agricultural sciences 18,503

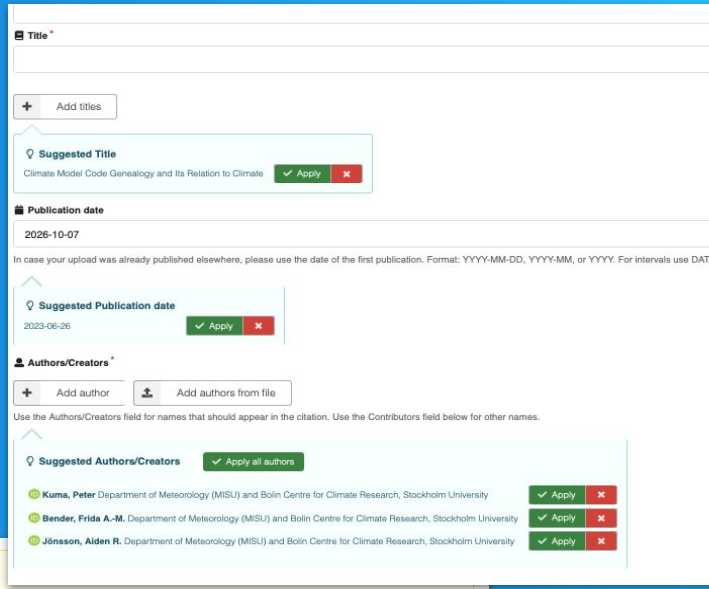
Agriculture, Forestry, And Fisheries (15,315)
Animal And Dairy Science (2,729)
Veterinary Sciences (94)
Other Agricultural Sciences (2)

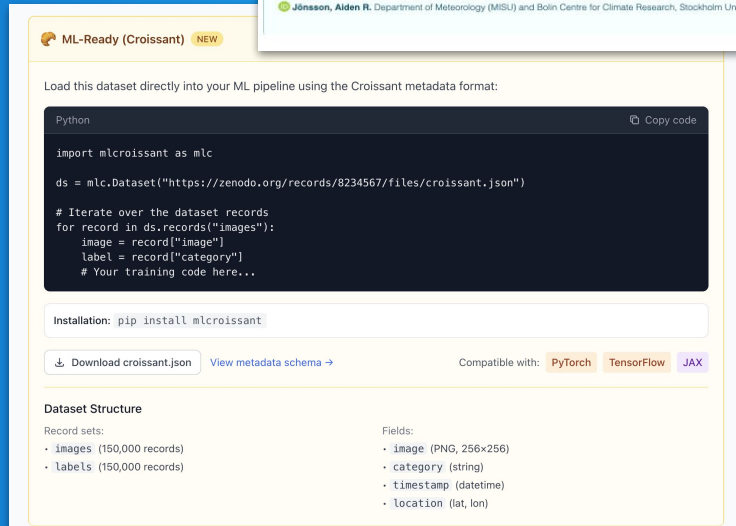
Medical and Health sciences 18,331

Basic Medicine (7,314)
Clinical Medicine (5,793)
Health Sciences (10,136)
Medical Biotechnology (2,277)
Other Medical Sciences (159)

What's next?

- Now…
  - auto-suggest submission fields from PDF
  - suggestions and hints for curators
- Next…
  - cross-check metadata against files
  - subject/keyword suggestions
  - machine-readable dataset descriptions (Croissant 🥐, RO-Crate, …)





Join with your EU project!

zenodo



https://zenodo.org/communities/eu/pages/join

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