- *ACTION DATA PORTAL and How to upload resources to a research repository - Zenodo*

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- ACTION Webinar – Data Management–

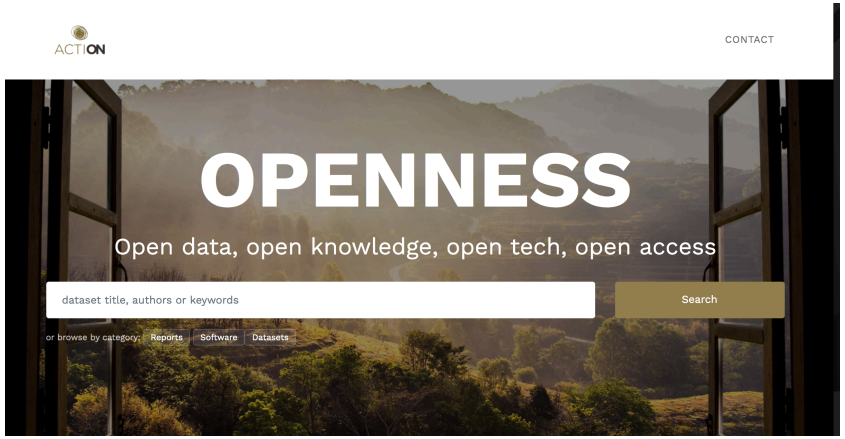
Why is it important to publish my resources in a public repository?

- Because Citizen Science projects have to do **SCIENCE**
- Citizen Science projects should promote **Open Science principles (FAIR)**
- Results from Citizen Science projects should be **OPEN**
- I need **a place to deposit** my resources
- I need **an identifier** for sharing my resources with other researchers (and be cited)

Things to learn today

- How to use our Data Portal
- Identify resources to deposit on a repository
- Create a community on Zenodo
- Upload resources to Zenodo
- Understand the metadata used to describe resources
- Publish my project outputs on Zenodo

ACTION DATA PORTAL

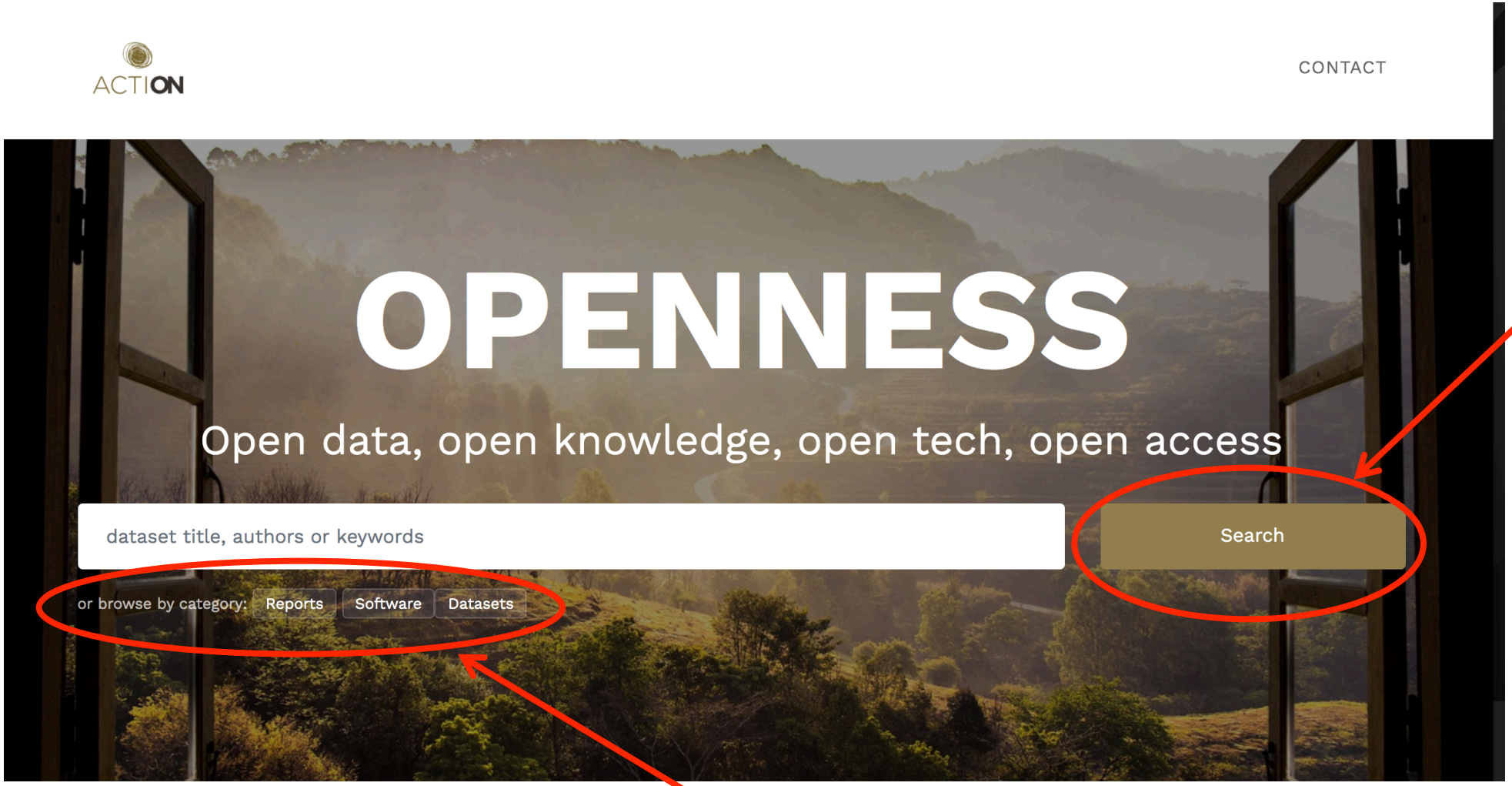


https://data.actionproject.eu/

COMMUNITIES OF
ACTION IN ZENODO

- ACTION
- Street-spectra
- Air pollution
- Sonic Kayacs

Data Portal



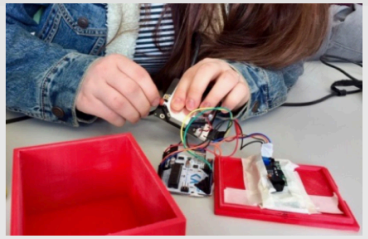
Search by text in title, author or keywords

Search by content type

Data Portal

ACTION

CONTACT



STUDENTS, AIR POLLUTION AND DIY SENSING

13

CITIZEN SCIENTISTS, DRAGONFLIES AND PESTICIDES

0

NABOLAGSHAGER
byrå for byøkologi

CITICOMPLASTIC

0

IN MY BACKYARD

0

NOISE MAPS

0

SONIC KAYAK

2

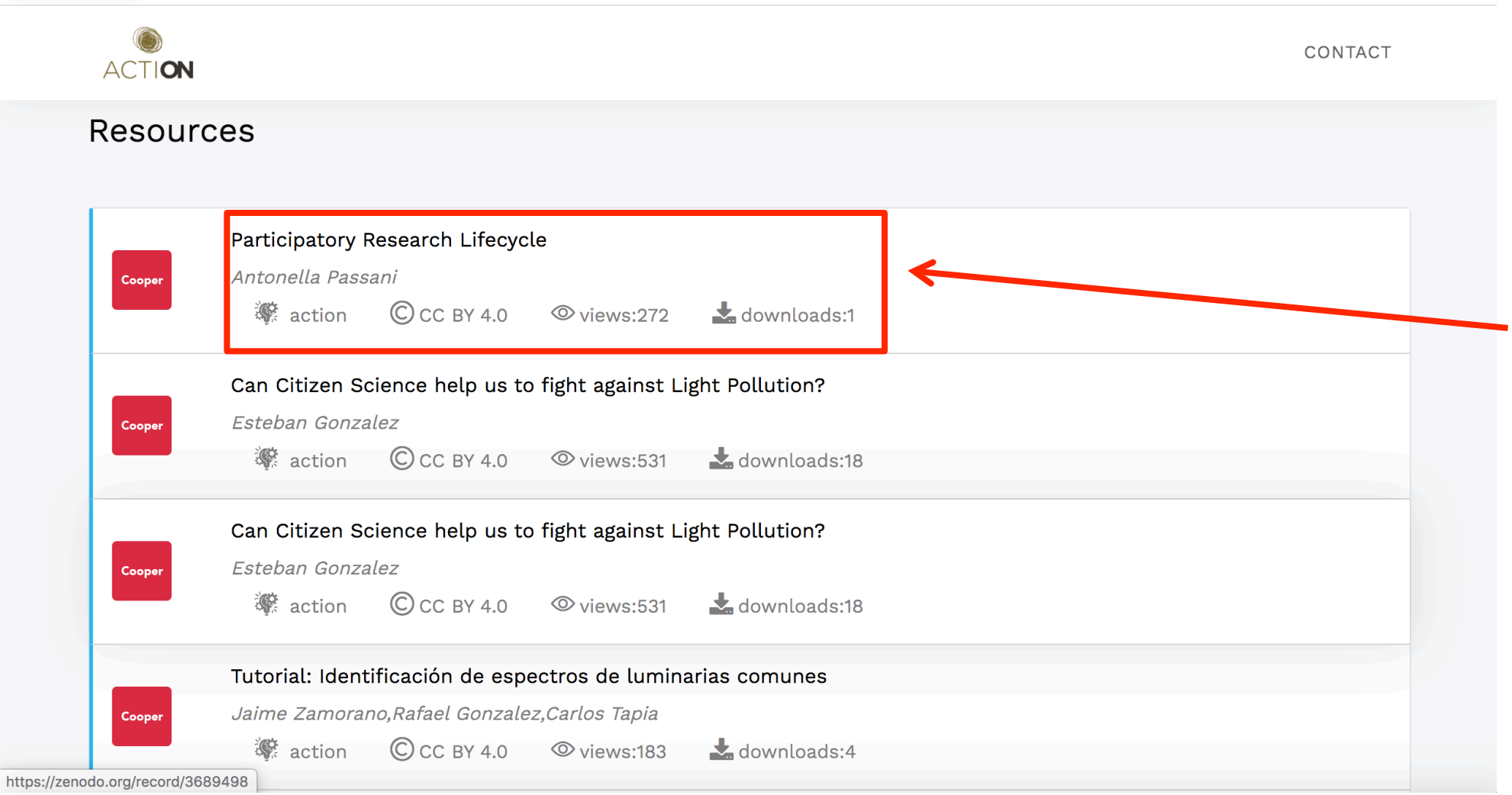
WATER FOR FUTURE

0

WOWNATURE

0

Data Portal



Resource metadata extracted from Zenodo.
Title, authors, license, number of views and download (from Zenodo)

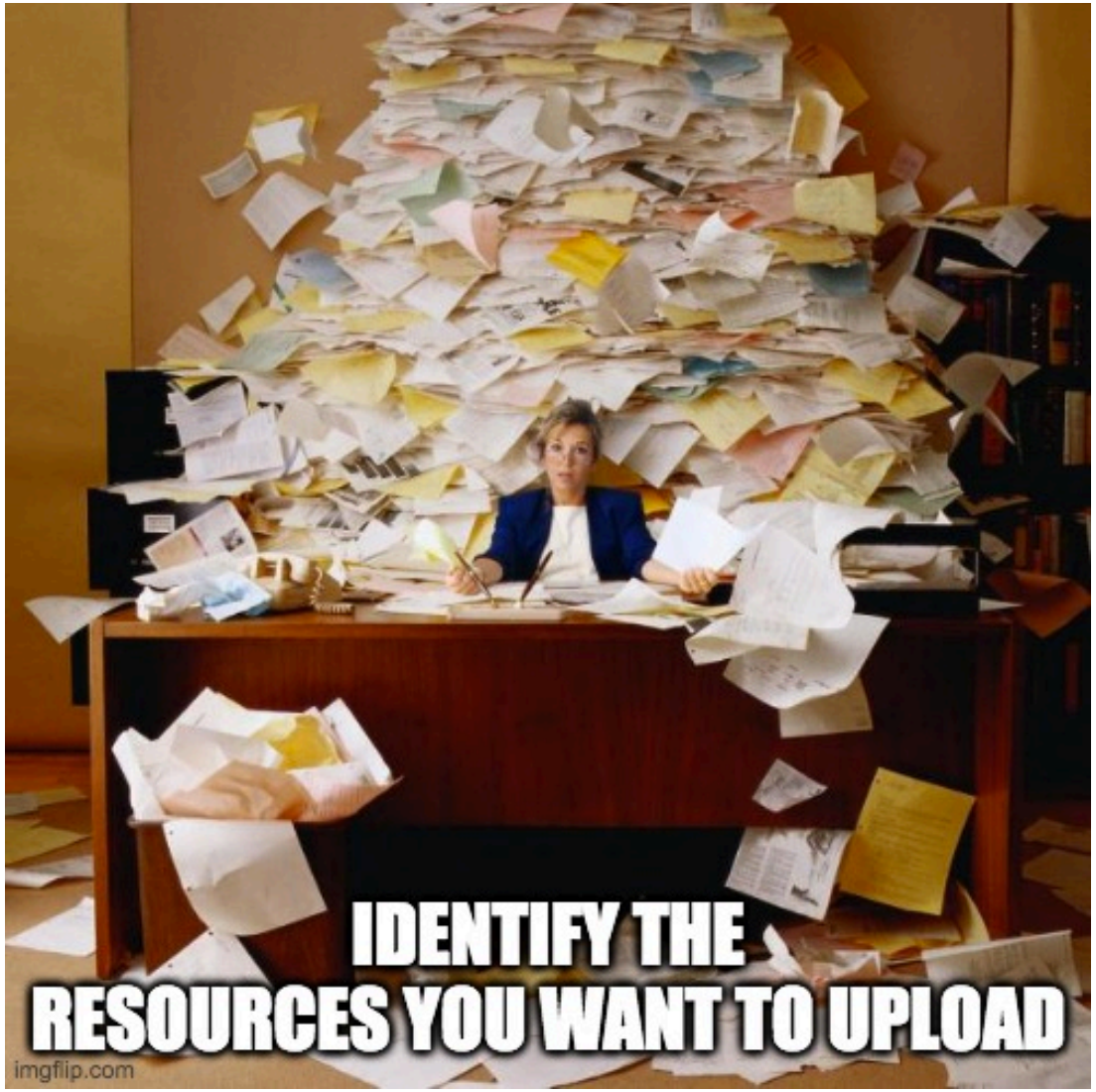
What is ZENODO?

- It is an open-access repository developed under the EU OpenAIRE program and operated by CERN.
- It allows researchers to deposit data sets, research software, reports, and any other research related digital artefacts. For each submission, a persistent digital object identifier (DOI) is minted, which makes the stored items easily citable.

Source: Wikipedia

ACTION

STEPS

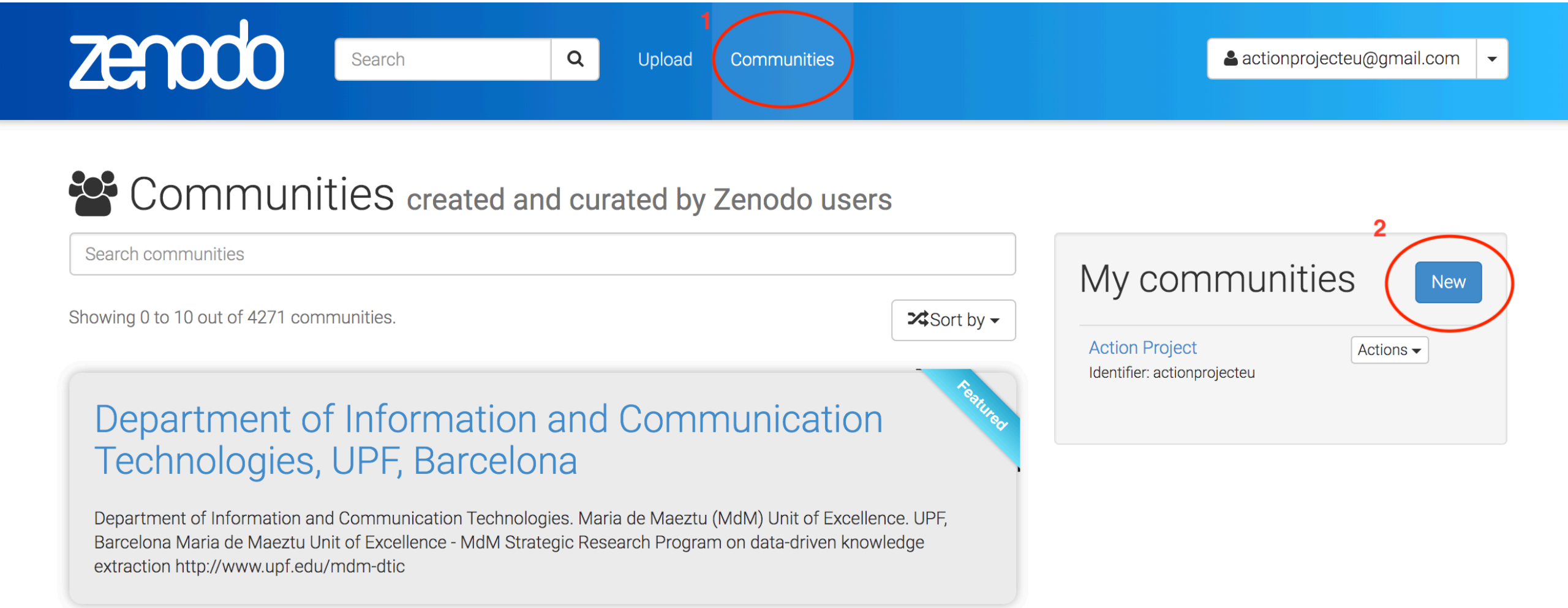


- Presentations
- Posters
- Datasets
- Software
- Images or videos
- Scientific publications
- Articles
- Documents

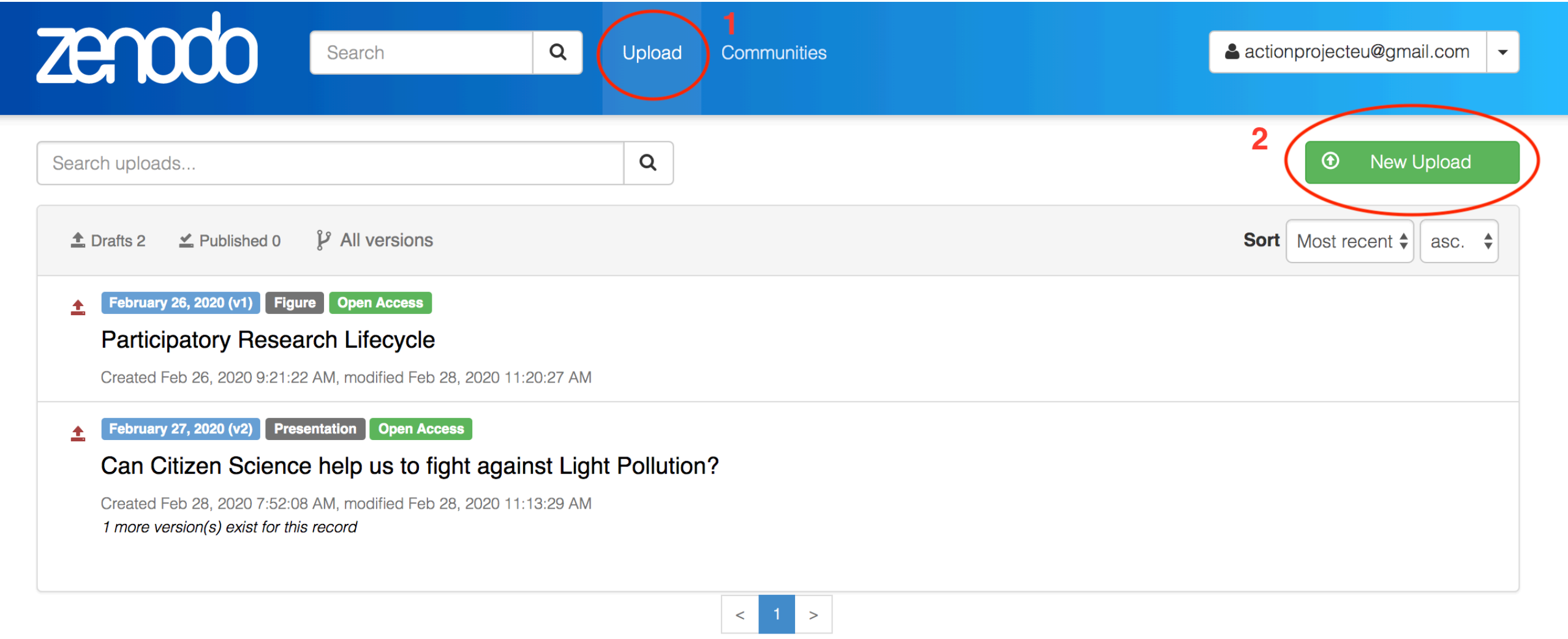
Create a user

http://zenodo.org

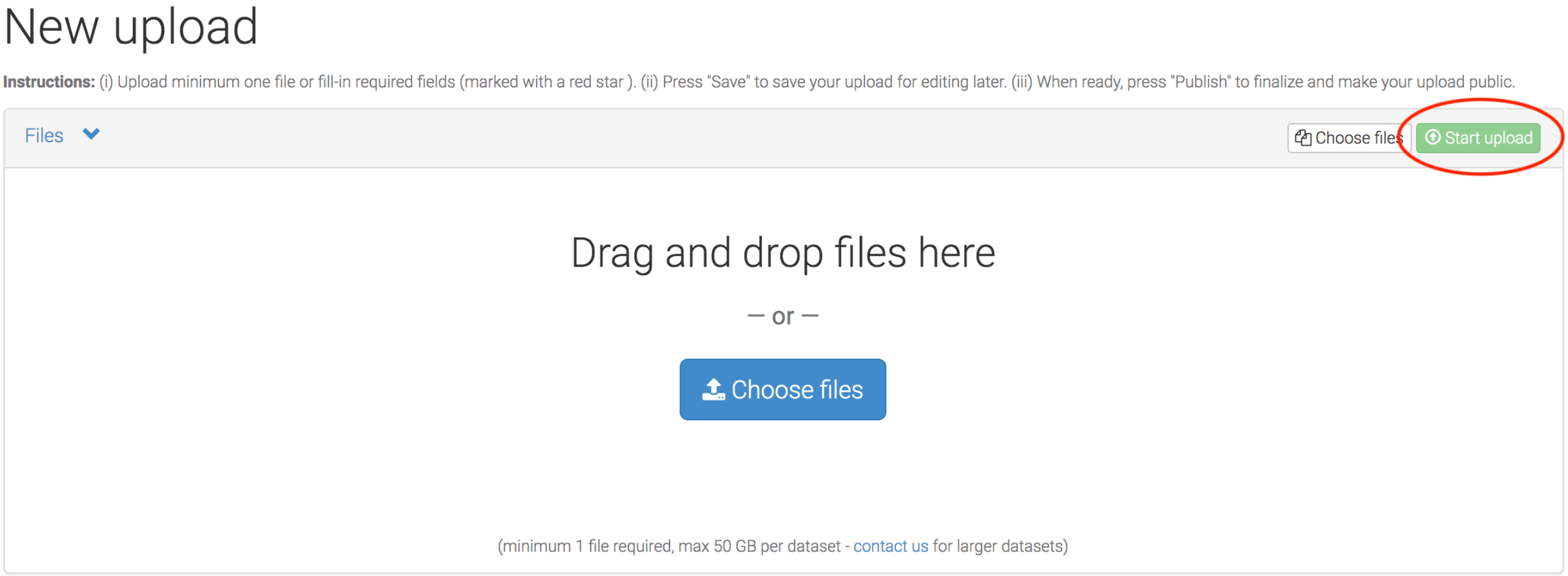
Create a community



Deposit a resource



Upload the resource



Add the communities

- It is an autocomplete field
- Add it to your own community
- In the case of ACTION accelerator outputs
  - Add the community of ACTION (actionprojecteu)
  - Add the OpenAIRE community

Define the type of resource

- Some pieces of advice:
  - If you want to upload a **presentation**, upload a PDF file. You will be able to see it in the future with the Zenodo viewer
  - **Datasets** are better in CSV or JSON format. They can be easily browsed with the Zenodo viewer
  - If you want to upload **images**, it is better to generate a ZIP file with the collection
  - If you want to upload **software**, use a ZIP file. Or connect Zenodo with your repository on Github

Add basic information

- Digital Object Identifier. It will be created when your resource is published. You can reserve it if you wish.
- Publication date
- Titles
- Authors
  - With ORCID if is possible
- Description

More information

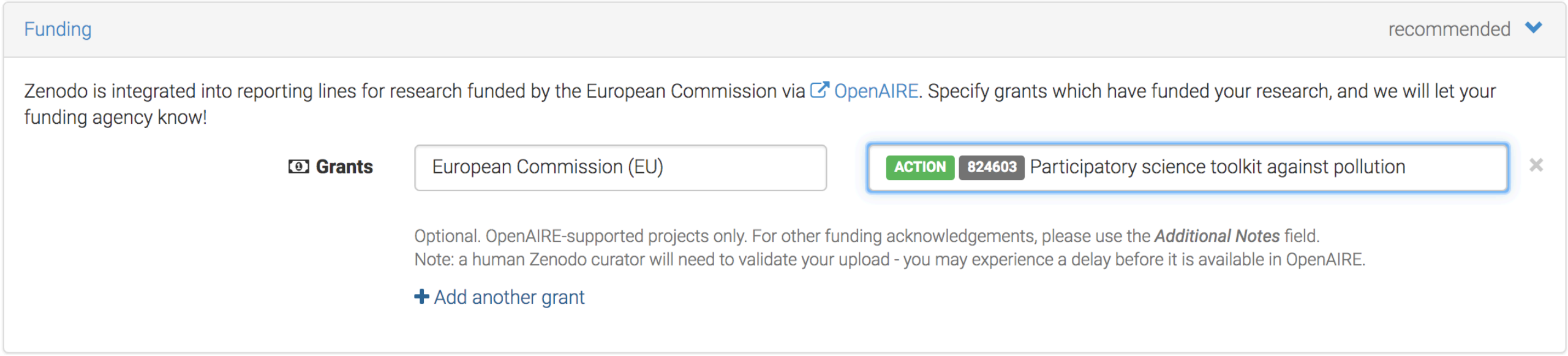
- Version
  - Try to use the same version notation in all your resources
  - It is a good practice to include the version number in the file
- Language of the resource
- Keywords to catalog it
  - Use some generic words -> to make more findable
  - Use some specific words -> to describe it
- Additional information
  - You can describe here if you use any quality assurance process, etc ..

License

- Open Access
  - Your resource will be public
  - Our recommendation is to use CC-BY International 4.0
- Embargoed Access
  - Your resource will be private until a date where it will be released
- Restricted Access
  - Resource metadata will be public but the user will have to request access to download it.
- Closed Access

Funding

- You can add your funding sources
- In the case of ACTION, add the project number 824603



Relations with other resources

- With these fields you can relate your resources with other resources
  - Dataset generated by some software
  - Paper where some datasets are used
- Objective: Connect the different resources of a research (Research Object)

Additional metadata

- Contributors
  - This can be used to provide recognition to the work done by citizens in your project
- Type of publication (if applicable)
- Subjects
  - If your data follows a specific vocabulary or ontology

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Acknowledgement

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