



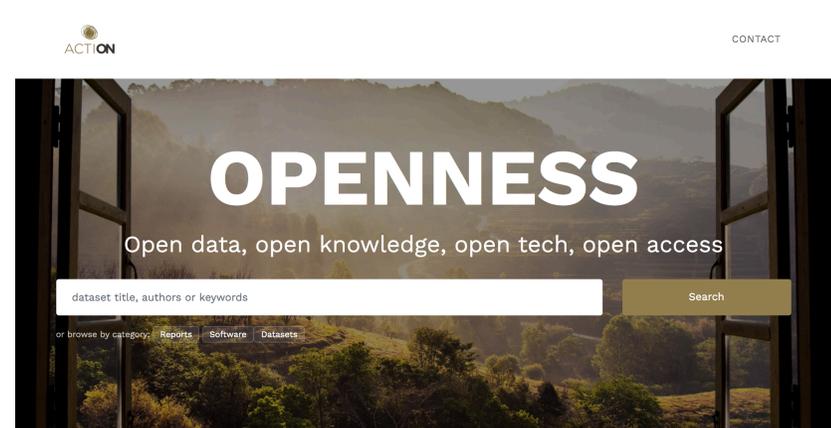
- *ACTION DATA PORTAL and How to upload resources to a research repository - Zenodo*
  - Esteban González, Oscar Corcho and Francisco Yedro (UPM)
  - Ontology Engineering Group - Universidad Politécnica de Madrid
- 
- ACTION Webinar – Data Management–

## 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)

- 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/>

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### COMMUNITIES OF ACTION IN ZENODO

ACTION

Street-spectra

Air pollution

Sonic Kayacs

# OPENNESS

Open data, open knowledge, open tech, open access

dataset title, authors or keywords

Search

or browse by category: Reports Software Datasets

Search by text in title, author or keywords

Search by content type



STUDENTS, AIR POLLUTION  
AND DIY SENSING

13



CITIZEN SCIENTISTS,  
DRAGONFLIES AND  
PESTICIDES

0



CITICOMPLASTIC

0



IN MY BACKYARD

0



NOISE MAPS

0



SONIC KAYAK

2



WATER FOR FUTURE

0



WOWNATURE

0

## Resources

	<b>Participatory Research Lifecycle</b> <i>Antonella Passani</i>  action  CC BY 4.0  views:272  downloads:1
	<b>Can Citizen Science help us to fight against Light Pollution?</b> <i>Esteban Gonzalez</i>  action  CC BY 4.0  views:531  downloads:18
	<b>Can Citizen Science help us to fight against Light Pollution?</b> <i>Esteban Gonzalez</i>  action  CC BY 4.0  views:531  downloads:18
	<b>Tutorial: Identificación de espectros de luminarias comunes</b> <i>Jaime Zamorano,Rafael Gonzalez,Carlos Tapia</i>  action  CC BY 4.0  views:183  downloads:4

<https://zenodo.org/record/3689498>



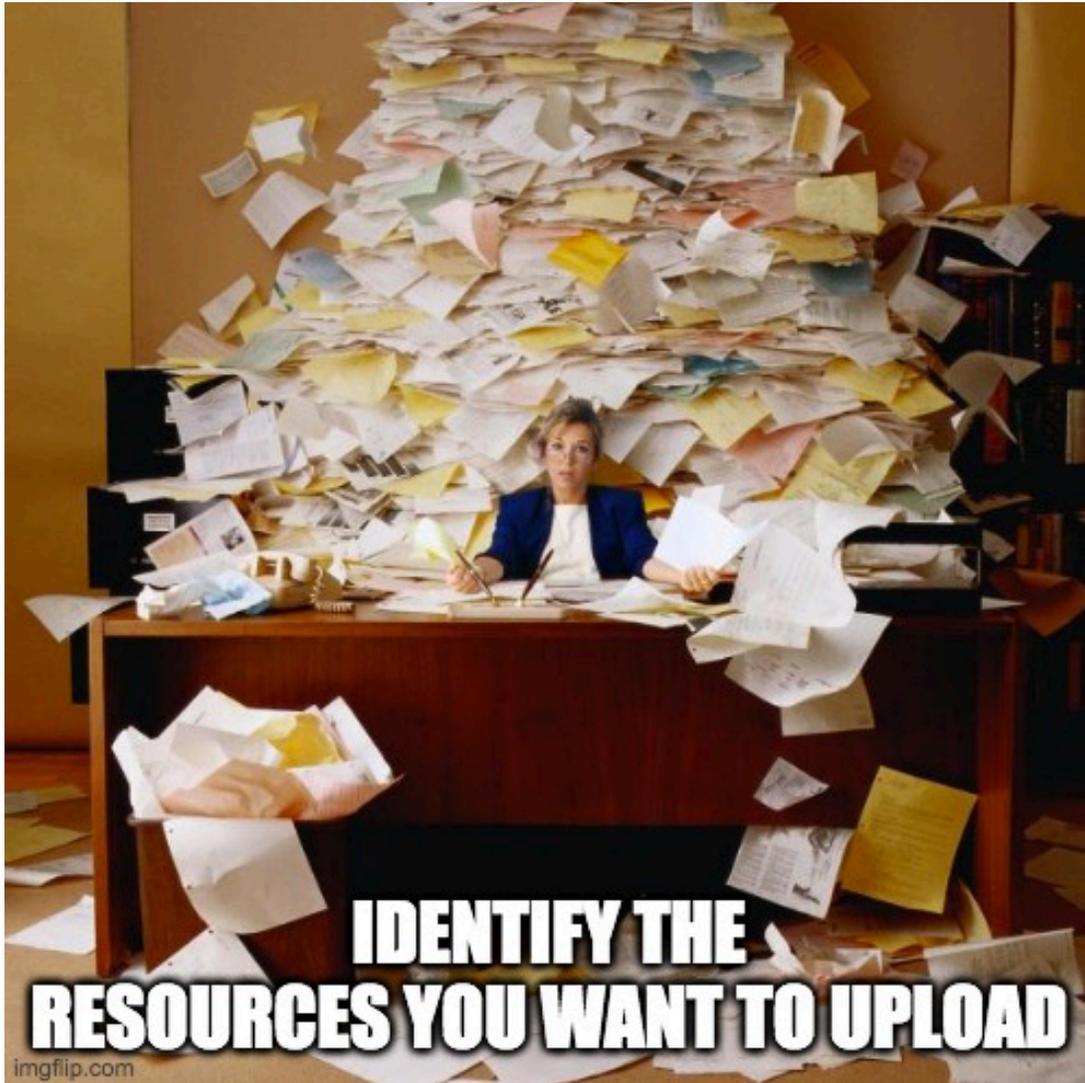
Resource metadata extracted from Zenodo. Title, authors, license, number of views and download (from Zenodo)

## 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

# STEPS



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

# Create a user

<http://zenodo.org>

# Create a community

zenodo

Search



Upload

Communities

actionprojecteu@gmail.com

## Communities created and curated by Zenodo users

Search communities

Showing 0 to 10 out of 4271 communities.

Sort by

### Department of Information and Communication Technologies, UPF, Barcelona

Department of Information and Communication Technologies. Maria de Maeztu (MdM) Unit of Excellence. UPF, Barcelona Maria de Maeztu Unit of Excellence - MdM Strategic Research Program on data-driven knowledge extraction <http://www.upf.edu/mdm-dtic>

Featured

## My communities

New

Action Project

Identifier: actionprojecteu

Actions

# Deposit a resource

zenodo



Upload

Communities

actionprojecteu@gmail.com



New Upload

 Drafts 2  Published 0  All versions

Sort Most recent  asc. 

 February 26, 2020 (v1)  Figure  Open Access

Participatory Research Lifecycle

Created Feb 26, 2020 9:21:22 AM, modified Feb 28, 2020 11:20:27 AM

 February 27, 2020 (v2)  Presentation  Open Access

Can Citizen Science help us to fight against Light Pollution?

Created Feb 28, 2020 7:52:08 AM, modified Feb 28, 2020 11:13:29 AM

*1 more version(s) exist for this record*

# Upload the resource

## New upload

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

Files 

 Choose files 

Drag and drop files here

— or —

 Choose files

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

# 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

Funding recommended ▾

Zenodo 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 Zenodo curator will need to validate your upload - you may experience a delay before it is available in OpenAIRE.

[+ Add another grant](#)

# 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





## Acknowledgement



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