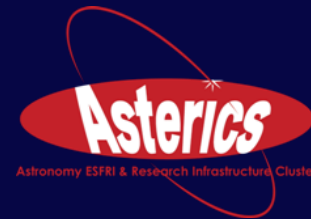


Citizen science communities in the EOSC Federation

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School of Physical Sciences

Thursday 15 October 2026



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INNOVATION > AI

The Future Of AI Training Data Is Human. The Question Is How

Published Jun 29, 2026, 11:40am EDT, Updated Jun 29, 2026, 11:56am EDT



needs citizen science

Citizen science has by far the most potential EOSC users...

Over 2 million volunteers

Over 1 billion classifications

Over 400 projects



Arts



Biology



Climate



History



Language



Literature



Medicine



Nature



Physics

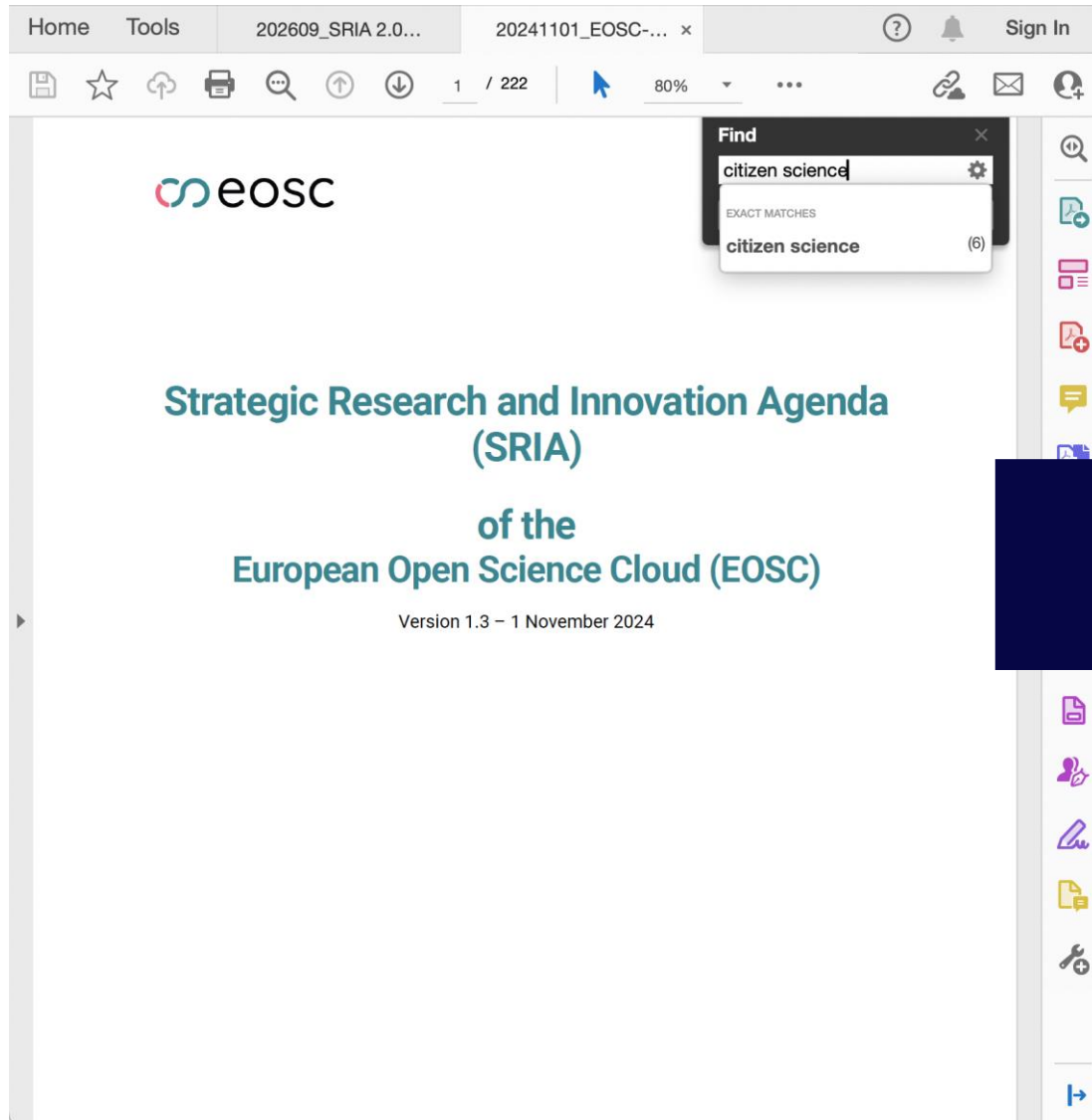
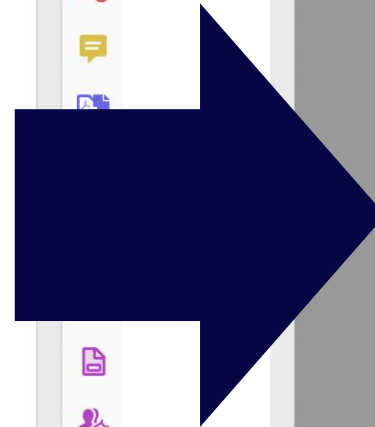
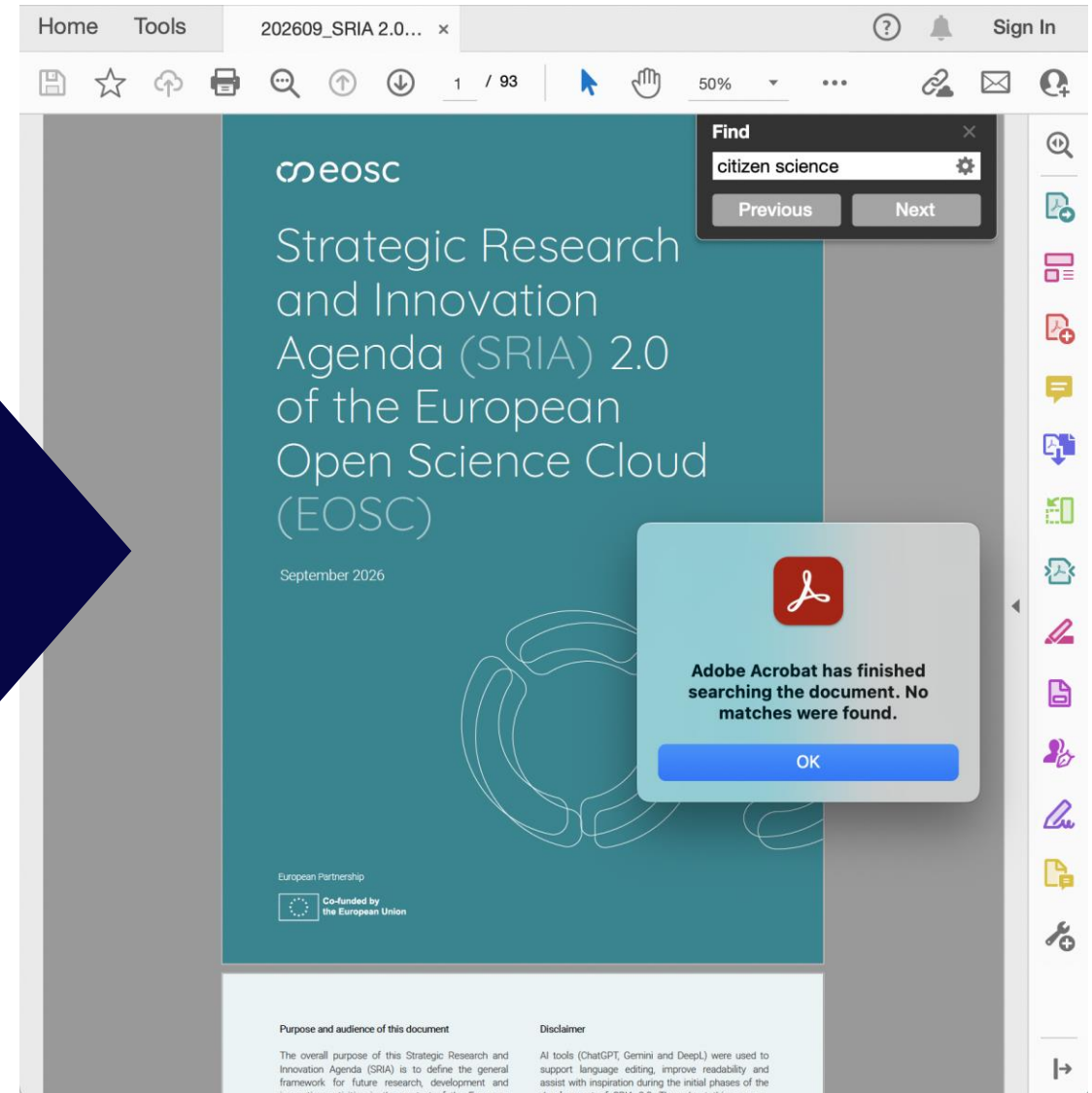


Social Science



Space

...but it is under-represented in EOSC contexts.



We want to build an EOSC Citizen Science Node

EOSC-CSN

 eosoc | GRAVITY

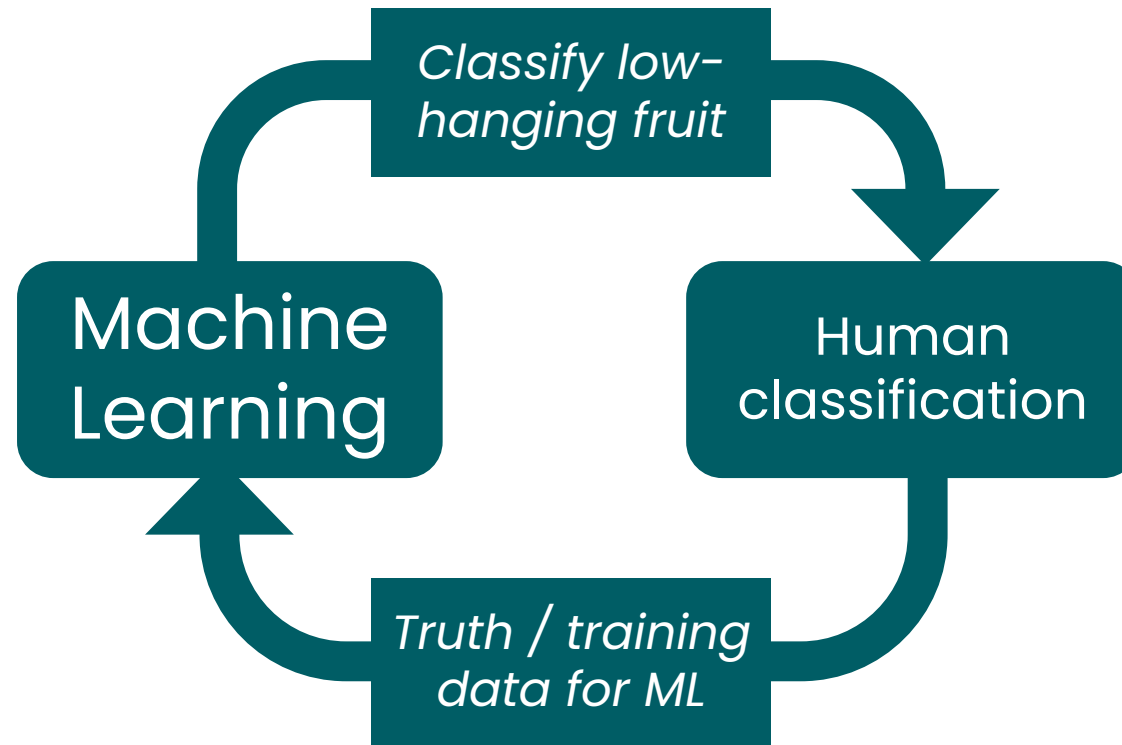


Quality Assurance

Audit trails

AI ready

...that uses EOSC Node compute to train ML models...



...and requires some practical steps.

- Need to define Service Level Agreements for citizen science platforms
- Need to expand supported platforms: Ibercivis, citizenscience.it, citizenscience.nl → Zooniverse, nQuire, ECSA, citsci.org
- 3.5 FTEs contributed already; need to fund any additional FTEs and fund any technical development (eg implementing EOSC AAI)

...and requires some practical steps.

- Define FAIR standards for human-generated data
(e.g. metadata, uncertainties, provenance, contributor records)
- FAIR AI-ready citizen science standards must distinguish **machine-readability** from **machine-actionability**
(e.g. PID, ontology term, provenance, contributor record, workflow version, licence)

We expect EOSC Federation Forum use by researchers running crowdsourcing projects and backend support

The screenshot shows the 'Artifact Inspector' website. A large red speech bubble with the text 'Participants are mostly already supported' has two arrows: one pointing to the 'TALK' button in the top right and another pointing to the 'ZOOVERSE TALK' chat box in the bottom left. The 'TALK' button is circled in red. The 'ZOOVERSE TALK' chat box is also circled in red and contains the text 'Chat with the research team and other volunteers!'. Below the chat box is a 'Join in' button. The main content area features a large image of a space telescope artifact with blue annotations. To the right of the image, the text reads: 'ARTIFACT INSPECTOR Help us identify image artifacts in space telescope data! LEARN MORE > FROM THE ORGANIZATION: NASA ZOOVERSE PROJECTS GET STARTED! You can do real research by clicking to get started here!'. At the bottom, there are four thumbnails of different artifacts, each labeled with a subject ID: 'Subject 124382786', 'Subject 124383358', 'Subject 124383166', and 'Subject 124383222'. Each thumbnail has a set of icons (info, heart, bookmark, share) at the bottom.

Participants are mostly already supported

FROM THE ORGANIZATION: **TALK** COLLECT

ARTIFACT INSPECTOR
Help us identify image artifacts in space telescope data!
LEARN MORE >
FROM THE ORGANIZATION: [NASA ZOOVERSE PROJECTS](#)
GET STARTED!
You can do real research by clicking to get started here!

ZOOVERSE TALK
Chat with the research team and other volunteers!
Join in

Subject 124382786
Subject 124383358
Subject 124383166
Subject 124383222

...but communities collecting their own data may need disproportionate support.



The Citizen Science Node will use a dedicated science analysis platform (TRL8)

CSDH Citizen Science Data Hub

Datasets Training About

FUNDACIÓN IBERCIVIS · ECS PROJECT

Open citizen science data, ready to explore

30 curated datasets with data sheets, licenses and open challenges — plus a Jupyter environment where you work on them in the browser, no install, data already mounted.

[Browse datasets & challenges](#)

30 datasets **27** example notebooks **20** topics

Search datasets by name, topic or keyword...

All Air Quality Astronomy Biodiversity Botany Citizen Science Metadata Coasts & Oceanography Entomology Invasive Species Light Pollution Marine Biodiversity Marine Pollution Meteorology Ornithology Phenology Public Health Space Weather Terrestrial Wildlife Urban Acoustics Urban Botany Water Quality

30 datasets

 **Astronomy**

Galaxy Zoo DESI: Detailed Morphology Classifications

Detailed morphological classifications of 8.7 million galaxies from the DESI Legacy Imaging Survey, produced with deep learning trained...

11.5 GB CSV, Parquet CC-BY-4.0

 **Astronomy**

SuperWASP Variable Star Photometry Archive (VeSPA)

Metadata for periodic variable stars classified by citizens in the Zooniverse SuperWASP Variable Stars project, with folded light curv...

137.5 MB CSV, YAML CC-BY-4.0

 **Meteorology**

Leuven.cool Citizen Science Urban Weather Station Network

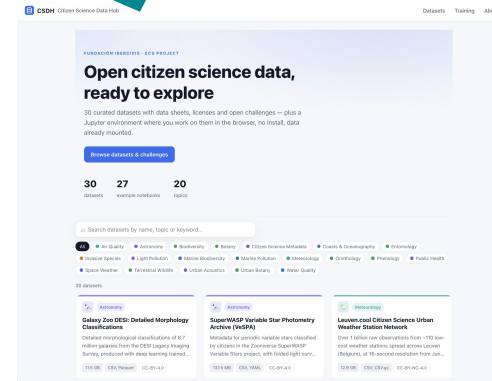
Over 1 billion raw observations from ~110 low-cost weather stations spread across Leuven (Belgium), at 16-second resolution from Jun...

12.9 GB CSV, CSV.gz CC-BY-NC-4.0

...and we are
developing
multi-Node
use cases...

eOSC Node | ENVRI
Environment

eOSC Node | Data Terra
Environment



eOSC Node | CERN
Physical Sciences & Engineering

eOSC Node | European DTO
Environment

...that suggest some desirable EOSC Federation User Forum functionalities.

- Support for onboarding?
- Community/expertise directory?
- Project matchmaking?
- Showcase of citizen science services?
- Funding finder?

Summary

How do you use or plan to use the EOSC Federation?

What do you expect from the EOSC Federation?

What do expect as support from the EOSC Federation?

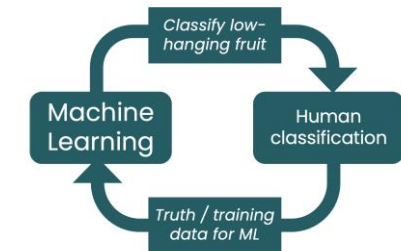
What tools would help you when using the Forum?

What tools other than the Forum do you need?

EOSC-CSN

 | GRAVITY

 Funded by
the European Union



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need disproportionate support




Citizen Science Nederland


EXPLORE YOUR WORLD


gente haciendo ciencia




Strategic Research
and Innovation
Agenda (SRIA) 2.0
of the European
Open Science Cloud
(EOSC)
September 2026



Support for onboarding?
Community/expertise directory?
Project matchmaking?
Showcase of citizen science services?
Funding finder?