

The logo graphic for ESCAPE features a stylized blue starburst at the top, a thin blue orbital line curving around it, and a small yellow circle at the bottom with a thin blue orbital line curving around it.

ESCAPE

European Science Cluster of Astronomy &
Particle physics ESFRI research Infrastructures

CS Working Group update 28 April 2025

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ESCAPE Open Collaboration Citizen Science update

- Start of OSCARS Cascading Grant: Astronomy Dark Matter Test Science Project
 - Contains a small citizen science component but no CS activity until nearing the end of the project
 - Astronomers' review of the original Dark Matter Test Science Project now in a late-stage draft
- ACME Horizon-funded multi-messenger astronomy project now underway
 - Pro/am citizen science workshop on 10 June 2025 – registration open
<https://citizen-science.sciencesconf.org/>
- ESA Euclid Horizon-funded ELSA project now underway
 - Combined CS activities with proposed NASA ROSES project for volunteer annotations of dispersed Euclid images
- Two PDRAs recruited across the three projects ACME, ELSA and OSCARS Astro-DM TSP.

ESCAPE Open Collaboration Citizen Science update

- APPEC Strategy 2027-2036 open science and citizen science working group is now underway.

- See the European Astroparticle Physics Strategy 2017-2026 and the European Astroparticle Physics Strategy 2022-2026 Mid-Term Update for context

<http://www.appec.org/wp-content/uploads/Documents/Current-docs/APPEC-Strategy-Book-Proof-19-Feb-2018.pdf>

<https://indico.cern.ch/event/1339060/attachments/2742922/4774302/APPEC%20Roadmap%20Midterm%20Oct2023%20web.pdf>

- We have initiated the formal process to request the creation of an EOSC Opportunity Area Expert Group in citizen science, with the expectation to involve representatives of RIECS and representatives of INFRAEOSC projects.
 - <https://cordis.europa.eu/project/id/101188210>

Progress on priorities and challenges since Nov 2024

- Identified needs (see also minutes of ESCAPE EB #28 and #29):
 - CS helpdesk for EOSC – may be discussion item for EOSC OA EG and beyond
 - Interoperability between CS platforms, in particular between platforms specialising in data collection (eg nQuire) and data mining (eg Zooniverse). This has been done with CitSci and Zooniverse, but not at zero cost. – need may be highlighted in APPEC strategy
 - Repeated desire for visualisation tools for CS data, e.g. for social scientists less comfortable with Python notebooks – ongoing unfunded aspiration
 - Very useful to create a TAP/TAP+ service specifically for peer reviewed, labelled citizen science data (not all disciplines can rely on the VO) – ongoing unfunded aspiration
 - Embed evaluation of societal impact, long-term impacts on volunteers, policy impact monitoring, impacts on teaching and curriculum, etc. – ongoing unfunded aspiration requiring significant effort