

La scienza partecipata come
crowdsourced science: progetti di
Citizen Science nelle scienze umane e
sociali

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La citizen science: una definizione e alcuni concetti chiave

Nell'*Open Science Training Handbook* la CS viene definita come:

«il coinvolgimento della platea non accademica nel processo della ricerca scientifica»

In italiano viene tradotta come: scienza partecipata, scienza collaborativa, scienza partecipativa, scienza dei cittadini

- Scienza
- Scienza aperta
- Società
- Collaborazione
- Comunità accademiche
- Comunità non accademiche
- Ricerca-azione
- Public engagement

- Un nuovo modo di fare scienza ...

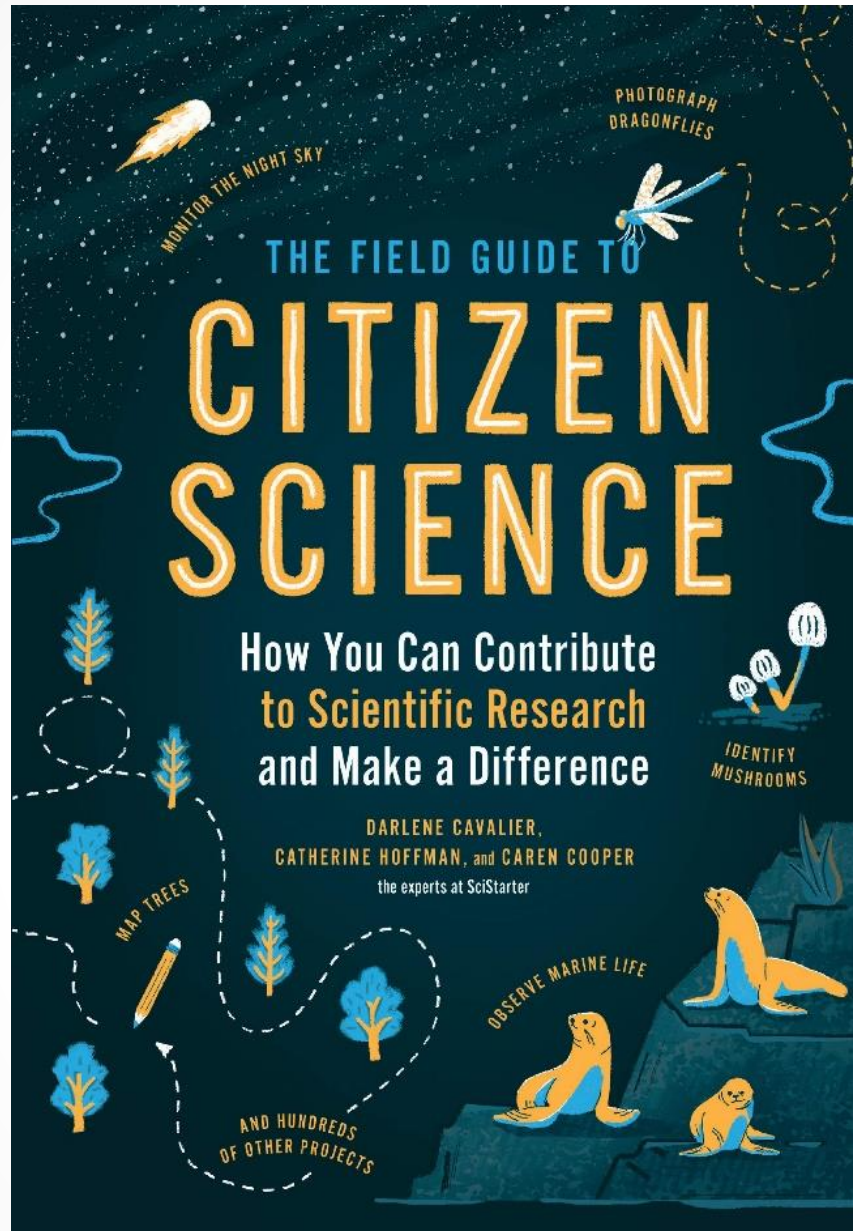
CS: i domini affini e le sovrapposizioni

Open Science

Digital Humanities

La comunicazione della scienza.
Il Public Understanding of
Science ...

Public engagement



Citizen science is a common name for a wide range of activities and practices

(ECSA's characteristics of citizen science 2021

[https://eu-citizen.science/resource/87#:~:text=Where%20it%20is%20especially%20pertinent,\(5\)%20data%20and%20knowledge](https://eu-citizen.science/resource/87#:~:text=Where%20it%20is%20especially%20pertinent,(5)%20data%20and%20knowledge))

CS: non solo scienze umane



- Trascrizioni collaborative di testi manoscritti, lettere, diari, carte di archivio ecc.
- Taggatura di immagini
- Georeferenziazione
- Mappatura di siti archeologici
- Raccolta di dati per indagini sociali
- Altro

Zooniverse

Navigation menu: ALL DISCIPLINES, ARTS, BIOLOGY, CLIMATE, HISTORY, LANGUAGE, LITERATURE, MEDICINE, NAT

Most Recently Launched x

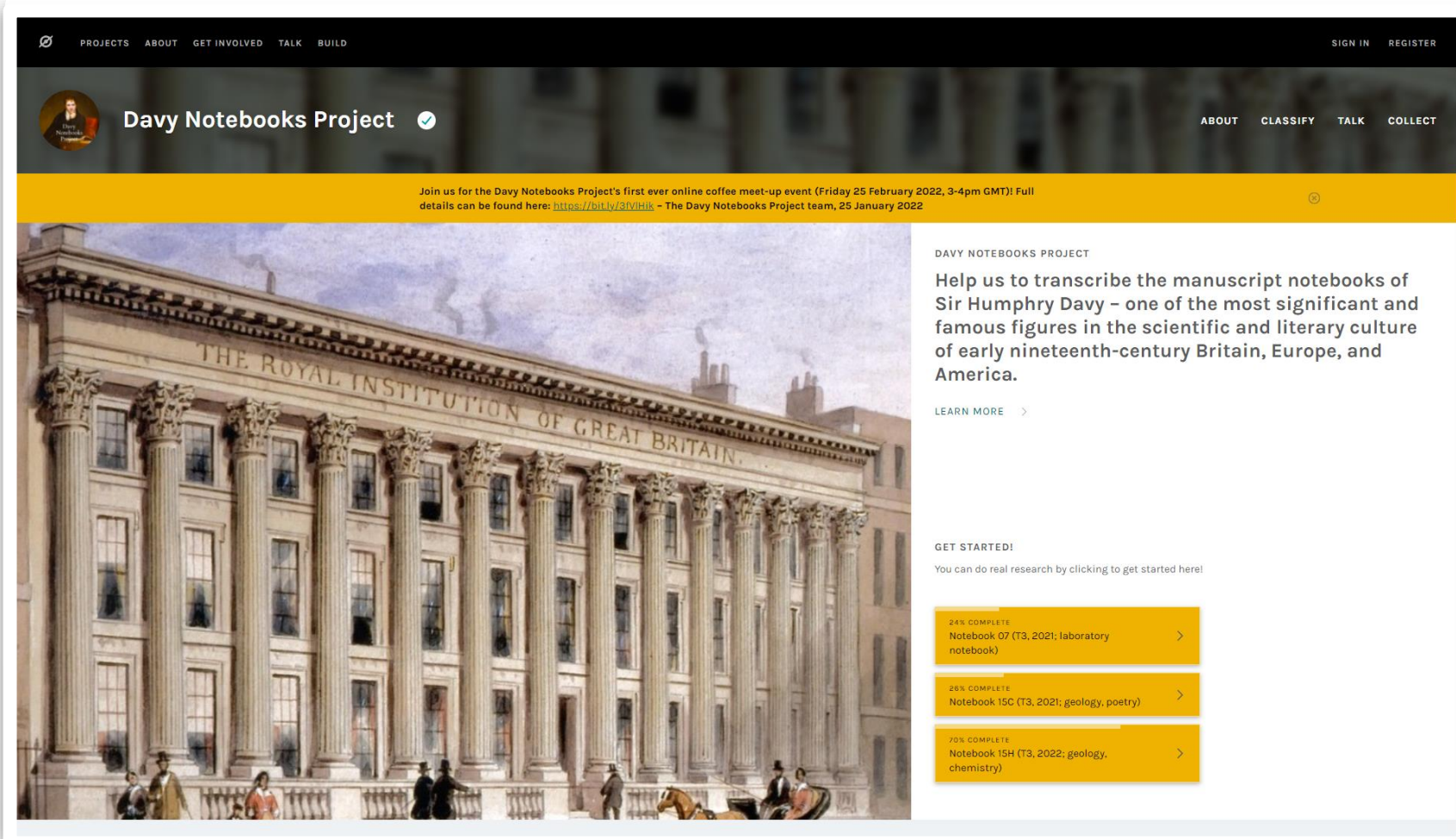
Showing 1-20 of 30 projects found.

Name: x


1 2

- CIVIL WAR BLUEJACKETS
- PEOPLE'S CONTEST DIGITAL ARCHIVE
- NOTES FROM NATURE - BIG BEE BONANZA!
- GET TO KNOW MEDIEVAL LONDONERS
- POETS & LOVERS
- PICTURING MICHIGAN'S PAST
- MARIA EDGEWORTH LETTERS
- NOTES FROM NATURE - DIGITIZING BIOLOGICAL COLLECTIONS IN CANADA
- CORRESPONDING WITH QUAKERS
- VOICES THROUGH TIME: THE STORY OF CARE

Davy Notebooks Projects




PROJECTS ABOUT GET INVOLVED TALK BUILD SIGN IN REGISTER

 Davy Notebooks Project ✓

ABOUT CLASSIFY TALK COLLECT

Join us for the Davy Notebooks Project's first ever online coffee meet-up event (Friday 25 February 2022, 3-4pm GMT)! Full details can be found here: <https://bit.ly/3IVHkik> - The Davy Notebooks Project team, 25 January 2022



THE ROYAL INSTITUTION OF GREAT BRITAIN

DAVY NOTEBOOKS PROJECT

Help us to transcribe the manuscript notebooks of Sir Humphry Davy – one of the most significant and famous figures in the scientific and literary culture of early nineteenth-century Britain, Europe, and America.

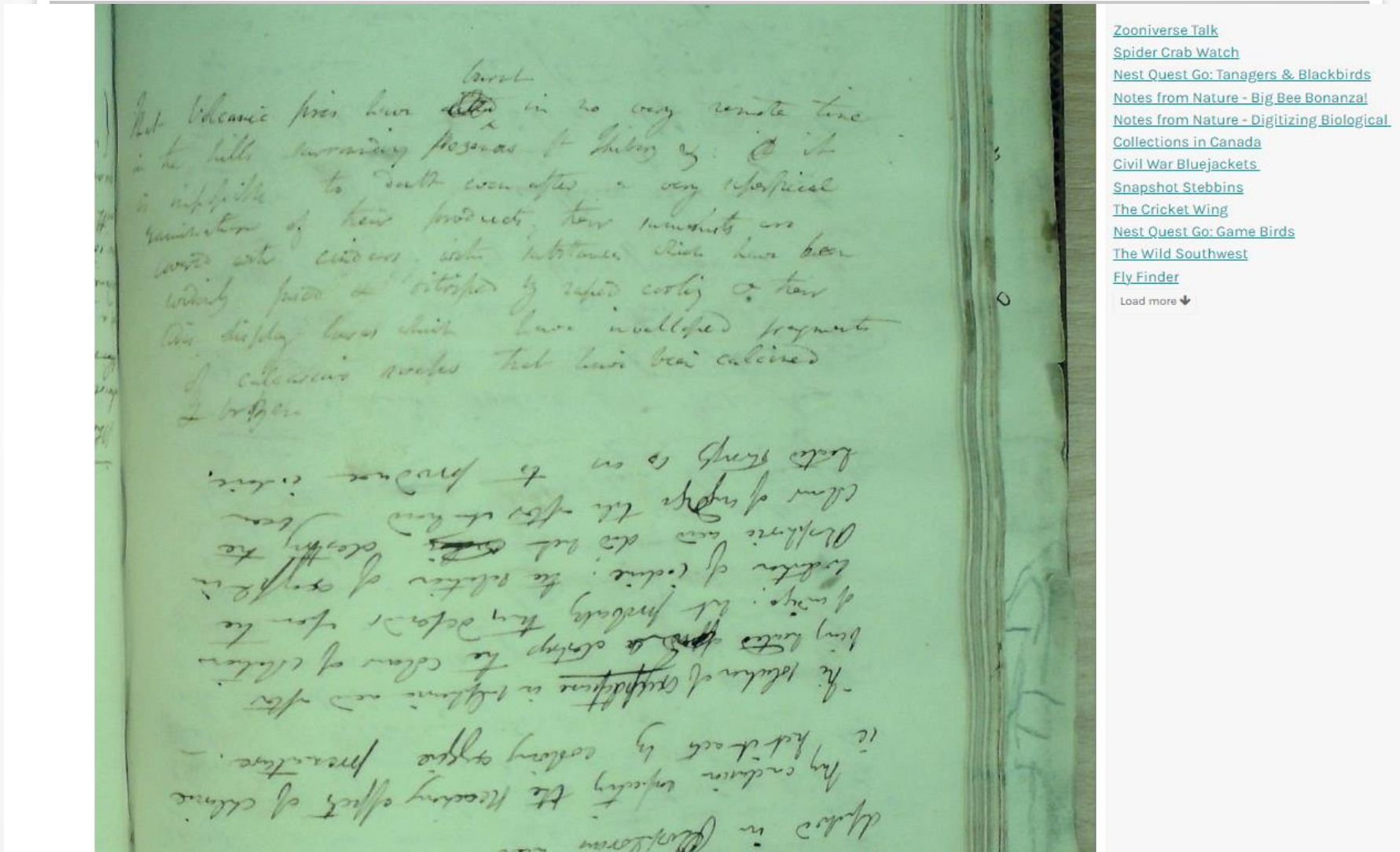
LEARN MORE >

GET STARTED!
You can do real research by clicking to get started here!

- 24% COMPLETE
Notebook 07 (T3, 2021; laboratory notebook) >
- 26% COMPLETE
Notebook 15C (T3, 2021; geology, poetry) >
- 70% COMPLETE
Notebook 15H (T3, 2022; geology, chemistry) >

<https://www.zooniverse.org/projects/humphrydavy/davy-notebooks-project>

Davy Notebooks Projects




The image shows a digital interface for the Davy Notebooks Project. On the left, a photograph of a handwritten notebook page is displayed. The handwriting is in cursive and appears to be from the 19th century. The text on the page is partially legible and discusses volcanic fire and its effects on the hills surrounding Potosi & Guibay. The right page of the interface features a list of project links:

- [Zooniverse Talk](#)
- [Spider Crab Watch](#)
- [Nest Quest Go: Tanagers & Blackbirds](#)
- [Notes from Nature - Big Bee Bonanza!](#)
- [Notes from Nature - Digitizing Biological Collections in Canada](#)
- [Civil War Bluejackets](#)
- [Snapshot Stebbins](#)
- [The Cricket Wing](#)
- [Nest Quest Go: Game Birds](#)
- [The Wild Southwest](#)
- [Fly Finder](#)

Below the list is a "Load more" button with a downward arrow. On the far right, a vertical grey bar contains the text "FIELD GUIDE".

PROJECTS ABOUT GET INVOLVED TALK BUILD SIGN IN REGISTER

 Poets & Lovers ENGLISH ABOUT CLASSIFY TALK COLLECT

core diary, as we face the decade.

Michael wears tonight the black
 gown of the Byronic portrait
 fisher of black with white
 1 inches (Pile) → her Ber
 necklace.

I am in my almost thread
 velvet blouse of warmish
 my julia-Donna coin c
 + all my precious rings.

POETS & LOVERS

Help create the first complete edition of the co-written diaries (1888-1914) of "Michael Field," two women poets and lovers who wrote and lived together until their deaths.

LEARN MORE >

GET STARTED!

Journal Entries

This workflow consists mainly of diary entries by Bradley and Cooper, who shared the same journals. The one exception is Volume 1 (1868-69), which Bradley wrote alone while a young student at the Collège de France. Volumes 5 (1892) and 10 (1896) are co-written. Each volume is divided into smaller subject acts of continuous pages, including a section of course notes in French in vol. 1.

NO COMPLETE GET INVOLVED
 Journal Entries

Transcribe Bentham

The screenshot shows the website's header with navigation links: UCL Home, Prospective students, Current students, Staff, Give, and a search bar. Below the header is a banner for the BENTHAM PROJECT featuring a historical architectural cross-section of a building with handwritten notes on the left. The notes read: "lowest level of the upper of the largest in the inside is about 58 instead of 54 as it should have been." The banner also includes the UCL logo. A navigation menu below the banner lists: Home, The Collected Works of Jeremy Bentham, About Jeremy Bentham, About the Bentham Project, News, Events, Transcribe Bentham, and ISUS. A "Research Tools" section is also visible. The main content area has a breadcrumb trail: UCL Home » Bentham Project » Transcribe Bentham. A purple button labeled "Transcribe Bentham" is positioned to the left of the main heading "Transcribe Bentham". The introductory text states: "Transcribe Bentham is an award-winning participatory initiative which launched in 2010. Its aim is to engage the public in the online transcription of original and unstudied manuscripts written by Jeremy Bentham, his correspondents, and his amanuenses." A "Cookie settings" button is located at the bottom of the main content area.

<https://www.ucl.ac.uk/bentham-project/transcribe-bentham>

Transcribe Bentham

- Progetto lanciato da UCL nel 2010
- Trascrizione dei manoscritti non pubblicati del filosofo inglese **Jeremy Bentham**
- Più di 30.000 pagine trascritte dai volontari ad oggi
- <https://www.ucl.ac.uk/bentham-project/transcribe-bentham>

Transcribe Bentham: il ruolo della biblioteca dell'UCL

- Formazione dei volontari
- Controllo di qualità delle trascrizioni redatte dai volontari
- Conservazione a lungo termine dei documenti digitalizzati e delle trascrizioni



Col·lecció: *Cartes de Joan Maragall*

Institució:  Biblioteca de Catalunya

Descripció: Col·lecció de prop de mil cartes manuscrites enviades per l'autor a més de cent corresponents, dins del període de 1878 a 1911. El seu contingut és molt divers: hi ha cartes familiars, altres als amics, com Josep Pijoan o Antoni Roura, però també a persones destacades de la cultura com Jacint Verdaguer, Víctor Català, Apel·les Mestres, Azorín, Unamuno, Pio Baroja i Gaudí, polítics destacats com Francesc Cambó i Enric Prat de la Riba, i eclesiàstics influents com el bisbe Torras i Bages. Aquestes cartes es conserven a l'Arxiu Joan Maragall i les van recuperar la vídua, Clara Noble, i les filles grans, amb el propòsit d'incorporar-les a la primera edició de les obres completes que es van publicar a l'editorial Gustau Gili entre el 1912 i el 1918.

Mostra:



Transcripció: Del 20 de setembre de 2013 al 20 d'abril de 2014

Evolució: [Mostrar gràfic](#)

Col·lecció: *Obra Literària de Joan Maragall*

Institució:  Biblioteca de Catalunya

Descripció: Col·lecció que conté una àmplia mostra dels originals de l'obra de l'autor conservats a l'Arxiu Joan Maragall. Recull, per exemple, el manuscrit del Cant espiritual i La vaca cega, entre nombroses poesies i proses literàries.

LibCrowds

LIBCROWDS

SIGN IN SIGN UP

Crowdsourcing projects from the British Library

Category	Count
VOLUNTEERS	2,990
CONTRIBUTIONS	265,651
PROJECTS	175

Project Collections

LibCrowds is a platform for hosting experimental crowdsourcing projects aimed at improving access to the diverse collections held at the British Library.

<https://www.libcrowds.com/>

Living with machines

Progetto concepito da:

- Alan Turing Institute, British Library, Universities of Cambridge, East Anglia, Exeter e Londra
- Obiettivo: esaminare l'impatto della rivoluzione industriale sulle vite umane partendo dall'analisi dei periodici di fine Ottocento e inizio Novecento
- I volontari trascrivono i testi dei periodici pubblicati a fine Ottocento
- 5 'Labs' that explore different historical and methodological questions and approaches
 - The Labs are: [Language](#), [Space and Time](#), [Sources](#), [Communities](#), and Integration, Infrastructure and Interfaces

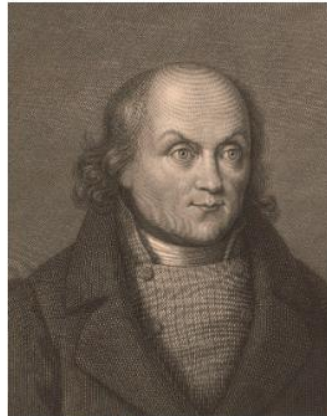
La Citizen Science presso la Biblioteca dell'Università di Zurigo



[Startseite](#) > [Über uns](#) > [Citizen Science](#) > «Freut Euch des Lebens» – Nägeli transkribieren

«Freut Euch des Lebens» – Nägeli transkribieren

Entziffern Sie mit uns Nägeli-Briefe für die Forschung!



Hans Georg Nägeli, der «Sängervater» aus Zürich (1773-1836)

Der Zürcher Hans Georg Nägeli (1773-1836) ist bis heute einer der einflussreichsten europäischen Musikverleger, Komponisten und Musikpädagogen. Er druckte 1794 als erstes eigenes Verlagsprodukt sein bis heute noch gesungenes Arrangement des Gesellschaftslied «Freut euch des Lebens», verfasste bedeutende musikalische Lehrwerke und gab Musikstücke von Komponisten wie Johann Sebastian Bach, Ludwig van Beethoven oder Georg Friedrich Händel erstmals heraus. Mit der Gründung seines «Singinstituts» setzte er sich für den Aufbau eines alle Volksschichten umfassenden Chorwesens ein und ermunterte seine Zeitgenossen eifrig dazu, weitere Kinder- und Männerchöre zu gründen. Darüber hinaus schrieb er Hunderte von Vokal- und Chorwerken und erhielt dafür schon bald den Übernamen «Sängervater».

Nägeli war aber nicht nur Komponist, Musikverleger und Pädagoge. Ebenso engagiert trat er auch als Schriftsteller und Politiker in Erscheinung. Ab 1831 wirkte er bis zu seinem Tode in der Zürcher Erziehungs- und Grossratsversammlung mit.

Der 250. Geburtstag Hans Georg Nägelis 2023

Im kommenden Jahr jährt sich der Geburtstag des Sängervaters zum 250. Mal. Auch die Zentralbibliothek bereitet verschiedene Aktivitäten vor. Wir laden Sie hiermit ein, zusammen mit uns ausgewählte Briefe von Hans Georg Nägeli und seinem Sohn und Geschäftsnachfolger Hermann Nägeli (1811-1872) zu transkribieren. Beide korrespondierten mit europäischen Musikverlegern, Pädagogen im Umfeld von Johann Heinrich Pestalozzi, international bedeutenden Musikern und musikalischen Gesellschaften. In den Briefen mit ihren Freunden teilten sie auch Privates mit.

<https://www.zb.uzh.ch/de/ueber-uns/citizen-science/freut-euch-des-lebens-naegeli-transkribieren>



WELCOME TO EUROPEANA TRANSCRIBE

THE CROWDSOURCING PLATFORM FOR EUROPEAN CULTURAL HERITAGE

Join us in transcribing, annotating and georeferencing Europe's digital cultural heritage!
Europeana Transcribe is an online citizen science initiative for the enrichment of digitised material from [Europeana Collections](#).

ParticipARC

participARC

Inscription Connexion

QUI SOMMES-NOUS ? ▾ PARTICIPEZ ! ANNUAIRE DES PROJETS CENTRE DE RESSOURCES ACTUALITÉS & ÉVÉNEMENTS ▾

participARC

▣ Le réseau des acteurs engagés pour les sciences participatives dans les domaines de la culture.

Conservation du patrimoine, archives, archéologie, architecture et aménagement urbain, informatique documentaire, musique, arts du spectacle, patrimoine écrit, ethnologie, sociolinguistique, arts plastiques... Dans tous ces secteurs, des démarches participatives liées aux projets de recherche émergent, accompagnées de leur lot de questionnements spécifiques.

Quelles sont les spécificités des recherches participatives dans le champ culturel ? Comment mieux associer les différents publics à tous les stades de la recherche ? Comment accueillir les volontés citoyennes de mener des recherches ? Comment restituer les résultats aux partenaires, aux participants et au public en général ?

Le réseau Particip-Arc, soutenu par le Ministère de la Culture, ambitionne la mise en réseau des acteurs des recherches culturelles participatives, pour favoriser le partage d'expériences et l'analyse réflexive des pratiques mais aussi pour promouvoir et développer les sciences participatives dans les domaines de la culture.

[EN SAVOIR PLUS](#)

▣ Actualités



ajapaik Albums Search album EN

VIGO UUSMÄE
HARRY ILLAK
KAAREL VIHERMÄE
AGO PÜVE
ELMAR KRUUS
SIGRID ORUSAAR

Estonian Photographic Heritage Society

If Ajapaik helps to find historic pictures you're interested in then please consider [supporting](#) Ajapaik so that we could make it even better. Thank you!

Citizen Science e Università



[ABOUT](#) [ACTIVITIES](#) [PUBLICATIONS](#) [NEWS](#) [CONTACT](#) [Q](#)

[Home](#) > [Publications](#) > Citizen science at universities: Trends, guidelines and recommendations

Citizen science at universities: Trends, guidelines and recommendations



Citizen science, the active involvement of non-professional scientists in research, comes in great variety, from small group projects based on common interest, to large, international projects with professional scientists and research institutions. Many scientists at LERU universities enthusiastically engage with citizen science in many domains. Citizen science can contribute to the quantity and quality of research and can benefit researchers and society at large. To do so, citizen science must adhere to what are considered fundamental research principles, methods and procedures to ensure quality and validity. The paper analyses trends in citizen science, formulates guidelines for scientists, and formulates recommendations for universities, research funding organisations and policy makers, from raising awareness to developing ways of assessing and recognising citizen science in research funding and evaluation processes.

Executive summary

[Citizen Science at Universities: Trends, Guidelines and Recommendations \(Executive Summary\)](#)

Full paper

[Citizen Science at Universities: Trends, Guidelines and Recommendations \(Full Paper\)](#)

La citizen science in Europa

The screenshot displays the Science Europe website interface. At the top left is the Science Europe logo. The top right contains navigation links: "Contact us", "Member log in", and a search icon. A horizontal menu below the logo lists "ABOUT US", "OUR PRIORITIES", "WHAT'S GOING ON", and "OUR RESOURCES". The main content area features a "Briefing Paper on Citizen Science" with a date of 17.07.2018 and a DOI of 10.5281/ZENODO.4925778. A "DOWNLOAD RESOURCE" button is visible. On the left, a thumbnail of the briefing paper cover is shown, with a "PREVIOUS" button. On the right, a "NEXT" button is present. A large, light blue decorative graphic of a laurel wreath is overlaid on the right side of the page.

SCIENCE EUROPE

Contact us | Member log in | Q

ABOUT US | OUR PRIORITIES | WHAT'S GOING ON | OUR RESOURCES

> Our resources
17.07.2018

Briefing Paper on Citizen Science

DOI: [10.5281/ZENODO.4925778](https://doi.org/10.5281/ZENODO.4925778)

Citizen science is a growing movement that enlists the public in scientific discovery, monitoring, and experimentation across a wide range of disciplines. This briefing paper looks in detail at the evolution of citizen science and citizen science policy, provides examples of initiatives from around the world, and considers the future of the activity.

DOWNLOAD RESOURCE ↓

PREVIOUS

Science Europe Briefing Paper
on Citizen Science
June 2018

SCIENCE EUROPE

NEXT

https://www.scienceeurope.org/media/gze3d4/4/se_briefingpaper_citizenscience.pdf

La citizen science in Europa: le organizzazioni


eu-citizen.science Cerca Blog Eventi Moocs Forum Domande frequenti Riguardo it [Accedi](#) [Iscriviti](#)

ricercaorganizzazione

Progetti Risorse Formazione Organizzazioni Piattaforme Utenti ★ La nostra selezione stellata


Search...

IF Aggiornato più di recente Paese Tipo 221 organizzazioni trovate




Groupe Associatif Estuaire
ENVIRONNEMENT, PEDAGOGIE & BIODIVERSITE


Estuaire
Francia Consortiumium
Estuaire is a group of ten associations all working on nature conservation and public awareness.




Tin and Copper
Regno Unito Private sector
I run a social media marketing agency in Cornwall which focusses on science backed, research led projects in Cornwall, for which we provide commercial photography.&...




KIT
Karlsruher Institut für Technologie
Karlsruhe Institute of Technology
Germania Academic
The Karlsruhe Institute of Technology – KIT, was established by the merger of the Forschungszentrum Karlsruhe and the University of Karlsruhe. With more than 6.000 researche...




earthwatch
EUROPE
Earthwatch
Regno Unito Non-governmental
Earthwatch is one of the largest global backers of citizen-science--supported environmental research. For over forty years, Earthwatch has delivered a unique citizen-science model...




eos
WETENSCHAP
Eos Wetenschap
Belgio Non-governmental
Eos Wetenschap is een Vlaamse



CENTRE FOR ECOLOGICAL RESEARCH
Centre for Ecological Research
Ungheria Academic
Our main mission is to conduct high-



here.now.
Here Now Films
Regno Unito Private sector
Here Now Films is a video production



RadoNorm
Managing risks from radon and NORM
RadoNorm
Belgio Consortiumium
RadoNorm is the European

COESO



OPENEDITION SEARCH Q | All OpenEdition



[COESO at a glance](#) ▾ [VERA Platform](#) [Pilots](#) [Open Call \(closed\)](#) [Blog](#) ▾ [Media](#) [Deliverables](#) [Meet us!](#) [Keep in touch](#)

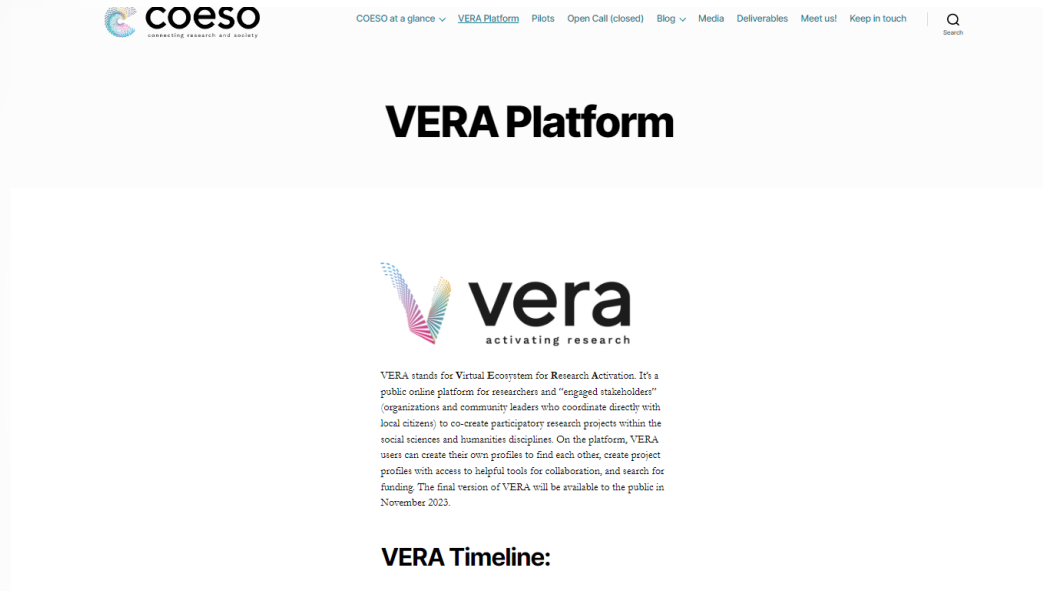


Search

COESO project

Mission

COESO aims to develop and sustain citizen science research in the social sciences and humanities. COESO's mission is to enable strong growth of citizen science projects in the social sciences and humanities and to support participatory research through a service-first approach. The COESO project is an endeavour to bridge collaboration between the European social sciences and humanities community, the citizen science community, as well as the open scholarly communication community.



VERA Platform


- Sviluppata dal Progetto europeo COESO
<https://coeso.hypotheses.org/>
- Lancio previsto per Novembre 2023
- E' una piattaforma pubblica per ricercatori e stakeholders per la costruzione di progetti di collaborazione nelle scienze umane e sociali

Citizen science in Horizon Europe

- HORIZON-WIDERA-2021-ERA-01-60: [A capacity-building and brokering network to make citizen science an integral part of the European Research Area](#)
- HORIZON-WIDERA-2021-ERA-01-61: [Supporting and giving recognition to citizen science in the European Research Area](#)

La citizen science in Italia

eu-citizen.science Cerca Blog Eventi Moocs Forum Domande frequenti Riguardo it Accedi Iscriviti




STEP CHANGE: Infectious Disease Outbreak Preparedness

Italia Education Health & Medicine
preparedness Prevention ...

Infectious Disease Outbreak Preparedness


Participatory action research and popular epidemiology have been adopted in different types of disease outbreaks that have hit and still hit diverse geographical regions, such as ...



InNat

Italia Animals Biodiversity ...
Animals Nature Conservation ...


InNat started in 2017 from a collaboration of three Italian institutions: Ministero della Transizione Ecologica, Consiglio per la Ricerca in Agricoltura e l'Analisi dell'Economia Agraria – Centro di ricerca Difesa e Certificazione ...



Cluana Urban Nature

Italia Biodiversity Education Schools
Urban Nature ...


Students are involved to contribute to the collection of data on flora and fauna in urban and peripheral areas, making observations available to researchers (botanists, zoologists) through the versatile internet ...



Da Museo a Museo

Italia Biodiversity Education ...
Mobility Citizen Observatories ...


Hikers and users in general, are invited to collect data on the presence of spontaneous fauna and flora species along the route and to report their observations to the Maremma ...



BioBlitz a tutti i costi

Italia Biodiversity Education
Environmental Monitoring
Citizen Observatories ...


The "BioBlitz a tutti i costi" is a free



Natura sulle Mura

Italia Environmental Monitoring Nature ...


The ancient, still almost complete city walls of Grosseto (one of the few



Naturæ Social Mapping

Italia Biodiversity Nature & outdoors
Digital Platform Nature ...

Naturæ Social Mapping is a web platform where people can enter their



Walking on the Sea Traces

Italia Ecology & Environment Education
Water Environment ...

La citizen science in Italia



The screenshot shows the website for the Museo di Storia Naturale della Maremma. The header includes the museum's logo and a navigation menu with items: HOME, VISITA, SCOPRI, PARTECIPA (highlighted), SCUOLE, EVENTI, NOTIZIE, SALA CONFERENZE, PRENOTA, and CONTATTI. The main banner features the text "CITIZEN SCIENCE ITALIA" and a large "CSI" logo with a magnifying glass over the "I". Below the banner, the text reads: "CSI: Citizen Science Italia" followed by a paragraph explaining citizen science as active citizen involvement in scientific data collection and analysis across various fields like plastic waste, air/water quality, and biodiversity. It also mentions a public health monitoring project. A second paragraph notes that such projects exist in Italy but are not yet networked. A third paragraph states that the "Citizen Science Italia" group has created a space for sharing existing initiatives. At the bottom, there is a photo of people in a forest and the Basecamp logo.

MUSEO
DI STORIA NATURALE
DELLA MAREMMA

HOME VISITA SCOPRI **PARTECIPA** SCUOLE EVENTI NOTIZIE SALA CONFERENZE PRENOTA CONTATTI

INFO@MUSEONATURALEMAREMMA.IT

CITIZEN SCIENCE ITALIA

CSI

CSI: Citizen Science Italia

La **citizen science**, o **scienza partecipata**, è il coinvolgimento attivo dei cittadini nella raccolta, analisi e interpretazione di dati a **fini scientifici**. Si applica a moltissimi settori delle scienze: esistono progetti sui rifiuti in plastica, sulla qualità dell'aria e dell'acqua, sull'inquinamento acustico e luminoso o sulla identificazione della struttura di proteine.. Altri progetti hanno come obiettivo il **monitoraggio** di piante e animali (biodiversità). In campo astronomico si può contribuire alla classificazione delle galassie; in sismologia al rilevamento di terremoti; per la salute pubblica si possono monitorare i sintomi dell'influenza o di altre malattie.

Anche in Italia i progetti non mancano, sebbene ancora non strutturati in una rete.

Ecco perché il nostro gruppo informale di scienziati e sostenitori della citizen science in Italia (**Citizen Science Italia**) ha deciso di creare uno spazio per la condivisione delle iniziative esistenti, suddivise per categorie.



Basecamp

Risorse e strumenti



LIBER

Who we are ▾ What we do ▾ Our Network ▾ Resources ▾ Events & Webinars ▾ [Get Involved](#)

← Working groups

LIBER Citizen Science Working Group

[Group home](#) [Contact](#) [Citizen Science Guide](#) [Documents & resources](#) [Members](#) [News](#) [Webinar Recordings](#)



Citizen Science for Research Libraries – A Guide

The LIBER Citizen Science Working Group is pleased to announce the release of the first section of the guide (*Citizen Science Skilling for Library Staff, Researchers, and the Public*) covering skilling, which is released as a peer-reviewed open access publication. Read the publication online [here](#).

CITIZEN SCIENCE WORKING GROUP

Conclusioni

- In Europa (e anche in Italia) c'è un interesse crescente verso i temi della scienza partecipata nelle scienze umane e sociali;
- Pratiche e approcci metodologici diversi tra le scienze umane e sociali e le scienze dure;
- La ricerca nelle scienze umane e sociali può trarre un notevole beneficio dalla collaborazione con la società verso la quale le materie umanistiche e sociali sono naturalmente orientate;
- Occorre, però, almeno in Italia, un maggiore coordinamento tra ricercatori, università, uffici ricerca, uffici di PE e *stakeholders* sul territorio.