



The seminar is initiated by Cost Action ConservePlants team.

Theme: Experience sharing on BioBlitz and other forms of citizen science

When: 19th of May, 2023

Where: Škocjanske jame Park, Slovenia

Coordinates: 45.662398, 13.993459

Address: Mata vun 8, 6215 Divača, Slovenia

Googlemaps link: <https://goo.gl/maps/XzHNXKcVXem1Df0QUZ>

The aim for the session is to share a diversity of experiences regarding the aspects of citizen science with the particular focus on BioBlitz and also the link with nature conservation.

Time	Themes
9:30-10:00	Coffee & arrivals
10:00 - 11:20	<p>Citizen Science (CS), Local ecological knowledge (LEK) and BioBlitz overview. Citizen science experiences from Slovenia, Iceland, the Netherlands and United Kingdom, Cyprus, Germany and more.</p> <p>Speakers:</p> <ol style="list-style-type: none">1. <i>Baiba Pruse, VU Athena Institute, the Netherlands</i>2. <i>Nejc Jogan, Biotechnical faculty, University of Ljubljana, Slovenia</i>3. <i>Kelly Martinou, Alien CSI Communication Manager, Cyprus (video contribution)</i>4. <i>David Garcia del Amo, Institute of Environmental Sciences and Technology (ICTA-UAB) "Autonomous University of Barcelona", Spain</i>5. <i>Emu-Felicitas Ostermann-Miyashita, Humboldt University of Berlin, Germany</i>6. <i>Eduardo Sampaio, Max Planck Institute of Animal Behaviour, Germany (video contribution)</i>7. <i>Marta Galloni, LIFE4Pollinators, Italy</i>8. <i>Björk Þorleifsdóttir, Reykjavik Botanic Garden, Iceland (video contribution)</i>9. <i>Stefano Martellos, University of Trieste, Italy</i>10. <i>Ioanna Angelidou, Enalia Physis Environmental Research Centre (NGO) & Joint Services Health Unit British Forces Cyprus, Cyprus</i>11. <i>Ellie Turner-Wallace, The Natural History Consortium, UK (video contribution)</i>12. <i>Gregor Šmalcelj, Lahinja Landscape Park, Slovenia (video contribution)</i> <p>Facilitator: Baiba Pruse</p>
11:20-11:30	Short break, taking coffee to the seminar room
11:30 - 12:45	<p>Q/A part: How do the participants envision citizen science (BioBlitz's)/local ecological knowledge as part of their National Parks/institutions: a) mapping the opportunities/added value/need of CS/LEK; b) outlining the issues/barriers/limitations implementing CS/LEK.</p> <p>- <i>Group discussions</i></p>
12:45 - 13:30	Longer Break, coffee & Finger Food, networking
13:30 - 14:30	<p>Practical workshop outside in the park lead by Marta Galloni</p> <p>- <i>Monitoring pollinators through LIFE4Pollinators tools.</i></p>



'Definitions'

CITIZEN SCIENCE

«citizen science provides opportunity for greater public **engagement** and democratisation of science (...) and actively involve citizens in scientific endeavour that generates **new** knowledge or understanding » (*ECSA 2015*)

LOCAL ECOLOGICAL KNOWLEDGE

«knowledge, practices, and beliefs regarding ecological **relationships** that are gained through **extensive** personal observation of and interaction with local ecosystems, and shared among local resource users.» (*Charnley et al. 2007*)

- *snapshot of time*



Source: <https://nurmenukk.ee/sl>

An innovative community beach monitoring program, CoastSnap, is turning average citizens into coastal scientists to help predict coastline changes.



CoastSnap is a network of simple camera mounts at beaches that invite the public to take a photo and upload it to social media. Photo: Larry Paice.

Source: <https://newsroom.unsw.edu.au/news/science-tech/revolutionising-coastal-monitoring-one-social-media-photo-time>



- *experiencing*

Source: <https://www.iccaconsortium.org/index.php/2016/09/04/our-place-on-earth-jukajoki/>

10 Principles of Citizen Science

Citizen Science is a flexible concept which can be adapted and applied within diverse situations and disciplines. The statements below were developed by the 'Sharing best practice and building capacity' working group of the European Citizen Science Association, led by the Natural History Museum London with input from many members of the Association, to set out some of the key principles which as a community we believe underlie good practice in citizen science.

[Dhjetë parimet e "shkencës me qytetarët"](#) (ALB)

[المبادئ العشرة لمشروع علم المواطن](#) (ARA)

[10 Principis de Ciència Ciutadana](#) (CAT)

[公众科学原则 BestPractices](#) (CHN)

2. Citizen science projects have a genuine science outcome. For example, answering a research question or informing conservation action, management decisions or environmental policy.

[10 Principes van de Burgerwetenschap](#) (DUT)

[10 Principles of Citizen Science](#) (ENG)

[Harrastusteaduse kümme põhimõtet](#) (EST)

[Herritarren zientziaren hamar printzipio](#) (EUS)

[ده اصل علم شهروندی](#) (FAR)

[Kansalaistieteen kymmenen periaatetta](#) (FIN)

[10 Principes de Sciences Participatives](#) (FRA)

[10 Prinzipien von Citizen Science](#) (GER)

[Οι 10 αρχές της Επιστήμης του Πολίτη](#) (GRE)

We are ECSA

The European Citizen Science Association (ECSA) was set up to encourage the growth of citizen science in Europe, and to support the participation of the general public in research processes – across science, social science, humanities and the arts.

ECSA is a membership association that brings together many stakeholders who want to increase the democratization of knowledge production. We are open to both individual and organizational members; currently, our hundreds of members come from countries across the European Union and beyond.

ECSA supports its members by coordinating citizen science projects, performing research on citizen science, and exchanging experiences and capacity-building. Most of our activities are led by members, and often organized through our thematic working groups. These working groups rely on volunteers, who commit their time and expertise to our activities.

In addition to these activities, ECSA engages in research and coordination projects, and acts as a communications hub for citizen science in Europe. These tasks are led by the ECSA team, which has its headquarters in Berlin, generously provided by the [Museum für Naturkunde Berlin](#).



[The Science of Citizen Science](#) pp 419-437 | [Cite as](#)

Finding What You Need: A Guide to Citizen Science Guidelines

Authors

Authors and affiliations

Francisco Sanz García, Maite Pelacho, Tim Woods, Dilek Fraisl, Linda See, Mordechai (Muki) Haklay, Rosa Arias

Open Access | Chapter

First Online: 12 January 2021

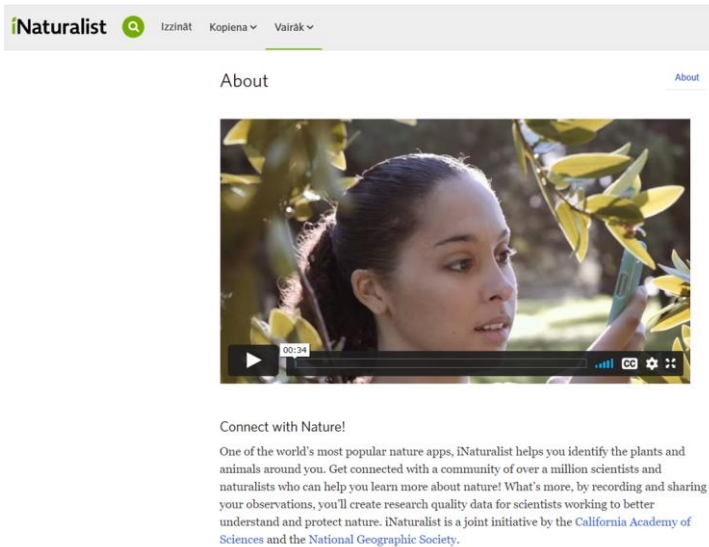
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Downloads

Abstract

In line with the growth in citizen science projects and participants, there are an increasing number of guidelines on different aspects of citizen science (e.g. specific concepts and

Citizen science platforms



iNaturalist Izzinát Kopiena Valrák

About

Connect with Nature!

One of the world's most popular nature apps, iNaturalist helps you identify the plants and animals around you. Get connected with a community of over a million scientists and naturalists who can help you learn more about nature! What's more, by recording and sharing your observations, you'll create research quality data for scientists working to better understand and protect nature. iNaturalist is a joint initiative by the California Academy of Sciences and the National Geographic Society.



APPS
Current Smartphone Apps running on SPOTTERON - the Citizen Science platform.

The following Citizen Science projects are running their smartphone apps and interactive maps on the SPOTTERON platform with its wide range of features and advanced tools. All apps on the platform are part of a Citizen Science network with the possibility for users to login at all projects with their own user account simultaneously. For all apps, we provide constant support and updates and regularly introduce new features for scientists and citizens alike.



Worldwide Citizen Science App nQuire
EXPLORE YOUR WORLD

Home Discover About Register Sign in

About nQuire

nQuire is a platform to explore yourself and your world. It has been developed by The Open University in partnership with the BBC. You can take part in two types of nQuire mission.

Confidential missions are surveys to find out more about yourself. We will publish the overall results of each mission on the nQuire platform, but we will never show or share your personal data.

Social missions are open explorations of your world. You can see and discuss each contribution, and the data are available for anyone to view and download.

Each mission has a 'big question!' that can only be answered with your help. You will be given instructions about what to do and feedback on your contribution once you complete the mission.

In the future, nQuire will allow anyone to propose a new mission and run it for people around the world to contribute. A topic could be psychology, health, technology, media, animals or plants. All missions will be checked before they go live, to make sure they are safe and legal. As a mission author, you become a citizen scientist recruiting members of the public to take part in experiments and surveys.

At the **Spot-a-Bee** Citizen Science project, the researchers of Cardiff University and the University of



Hydrology Citizen Science App
University of Zurich



Phenology Citizen Science App
ZAMG Austria



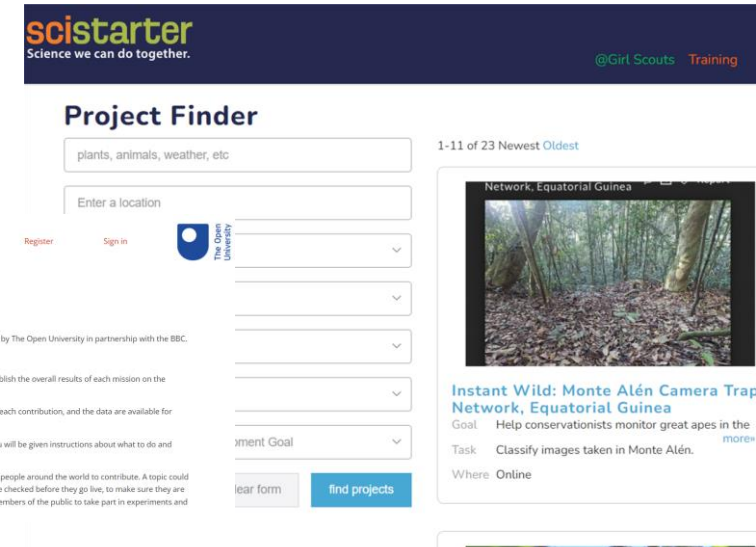
Naturkalender
das ganze Jahr in der Natur

Naturkalender is the Austrian phenology App for interested Citizen Scientists who want to



crowd water

CrowdWater is a global Citizen Science project initiated by the University of Zurich, which collects



scistarter
Science we can do together.

@Girl Scouts Training

Project Finder

plants, animals, weather, etc

Enter a location

1-11 of 23 Newest Oldest

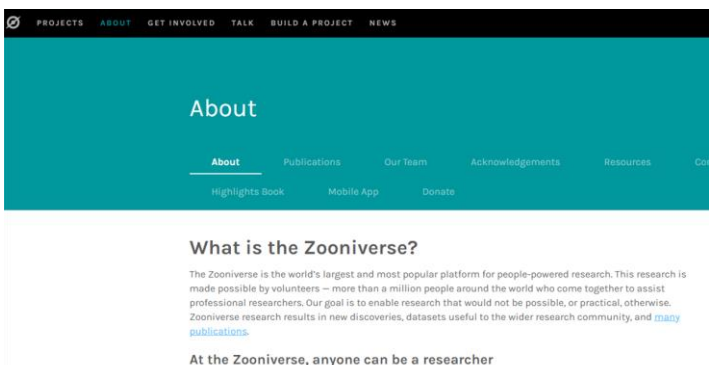
Instant Wild: Monte Alén Camera Trap Network, Equatorial Guinea

Goal Help conservationists monitor great apes in the

Task Classify images taken in Monte Alén.

Where Online

Learn form find projects



Zooniverse PROJECTS ABOUT GET INVOLVED TALK BUILD A PROJECT NEWS

About

What is the Zooniverse?

The Zooniverse is the world's largest and most popular platform for people-powered research. This research is made possible by volunteers — more than a million people around the world who come together to assist professional researchers. Our goal is to enable research that would not be possible, or practical, otherwise. Zooniverse research results in new discoveries, datasets useful to the wider research community, and many publications.

At the Zooniverse, anyone can be a researcher



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SOCIETY

Citizen Science Projects

Learn about how you can participate in citizen science projects.

GRADES 3 - 12+

SUBJECTS Biology, Ecology, Earth Science



NASA SCIENCE
SHARE THE SCIENCE

Science Topics News For Researchers Learners

Citizen Science

Projects Highlights NASA Citizen Scientists

Citizen Science Projects

NASA's citizen science projects are collaborations between scientists and interested members of the public. Through these collaborations, volunteers (known as citizen scientists) have helped make thousands of important scientific discoveries. Want to work on some NASA science? Click on one of the 27 projects below to get started. NASA citizen science projects are open to everyone around the world, not limited to U.S. citizens or residents. Projects with the  icon can be done by anyone, anywhere, with just a cellphone or laptop.

Key

All Projects Universe Solar System Sun Earth Space Exploration

Snapshot Wisconsin Planet Hunters TESS NaMO-Net

(2) **Nejc Jogan**, Biotechnical faculty, University of
Ljubljana, **Slovenia**

**(3) Kelly Martinou, Alien CSI Communication
Manager, Cyprus (video contribution)**

Link: https://drive.google.com/file/d/1EbbNZDI8JZXQ6xAQGjksY21kfwB7reMd/view?usp=share_link

(4) David García del Amo, Institute of
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Spain

(5) Emu-Felicitas Ostermann-Miyashita,
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Animal Behaviour, Germany (video contribution)**

Link: https://drive.google.com/file/d/1AAPJvtZ3-SY-gH-o43q4EVLdOuaV6EXw/view?usp=share_link

(7) Marta Galloni, LIFE4Pollinators, Italy

(8) Björk Þorleifsdóttir, Reykjavík Botanic Garden, Iceland (video contribution)

Link: <https://drive.google.com/file/d/1ufzP5xbgSHbz7pDmBl4J6ZHQZdpt8Ssf/view?usp=sharing>

(9) Stefano Martellos, University of Trieste, Italy

**(10) Ioanna Angelidou, Enalia Physis
Environmental Research Centre (NGO) & Joint
Services Health Unit British Forces Cyprus,
Cyprus**

(11) Ellie Turner-Wallace, The Natural History Consortium, UK (video contribution)

Link: <https://drive.google.com/file/d/1WTMaWixrsGjw7u8JXkJfkjHDZdQ91wcD/view?usp=sharing>

**(12) Gregor Šmalcelj, Lahinja Landscape Park,
Slovenia (video contribution)**

Link:

11:20-11:30

SHORT BREAK,

TAKING COFFEE TO

THE SEMINAR ROOM

11:30 – 12:45 Question/Answer part

How do the participants envision citizen science/BioBlitz's/Local ecological knowledge as part of their National Parks/institutions:

a) mapping the opportunities/added value/need of Citizen Science/Local Ecological Knowledge;

- *Group discussion*

b) outlining the issues/barriers/limitations implementing Citizen Science/Local Ecological Knowledge.

- *Group discussion*

12:45 – 13:30 Longer break, coffee etc.

13:30 – 14:30

Practical workshop outside in the park lead by Marta Galloni
- Monitoring pollinators through LIFE4Pollinators tools.