

# Citizen Science Support Resources & Infrastructure

AU, 7 November 2023

Gitte Kragh & Kristian H. Nielsen,  
Centre for Science Studies, AU



# TIME4CS

SUPPORTING SUSTAINABLE  
INSTITUTIONAL CHANGES  
TO PROMOTE CITIZEN SCIENCE IN  
SCIENCE AND TECHNOLOGY



**AIM**



## **Embedding citizen science at AU**

- Establishing AU citizen science network
- Running citizen science activities and events
- Offering workshops on citizen science

**TIME4CS**

**SUPPORTING SUSTAINABLE  
INSTITUTIONAL CHANGES  
TO PROMOTE CITIZEN SCIENCE IN  
SCIENCE AND TECHNOLOGY**

H2020 EU-funded:

3 years: 1 January 2021 -  
31 December 2023



# AIM of this workshop



- Identification of support resources and infrastructures relevant for citizen science projects
- Facilitation of development of support resources and infrastructures relevant for citizen science projects
- Development of CS projects building on ethical guidelines in citizen science

# TIME4CS

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# TIME4CS Citizen Science Support Resources & Infrastructure

Time	Activities
14:00-14:05	<ul style="list-style-type: none"><li>• Welcome and introduction</li></ul>
14:05-14:15	<ul style="list-style-type: none"><li>• Successful institutional promotion of resources and infrastructure to support citizen science</li></ul>
14:15-14:30	<ul style="list-style-type: none"><li>• The funding landscape for citizen science</li></ul>
14:30-15:00	<ul style="list-style-type: none"><li>• <i>Interactive session: Designing citizen science proposals</i></li></ul>
15:00-15:10	<ul style="list-style-type: none"><li>• Ethical and legal guidelines for citizen science</li></ul>
15:10-15:20	<ul style="list-style-type: none"><li>• Institutional contact points for citizen science</li></ul>
15:20-15:50	<ul style="list-style-type: none"><li>• <i>Interactive session: Designing the AU Single Point of Contact (AU-SPOC)</i></li></ul>
15:50-16:00	<ul style="list-style-type: none"><li>• Wrap up and evaluation</li></ul>



# Citizen science – the term emerges

## Amateur contributions to science

*Audubon Society (1989) &  
Rick Bonney (1996)*

- Citizens collecting and analysing rain samples
- Birdwatchers submitting sightings
- *Participants are instruments*



**Biodiversity monitoring**



## Democratisation of science

*Alan Irwin (1995)*

- Democratic, participatory science
- Science to address needs and concerns of citizens
- Citizens could develop process of producing reliable knowledge themselves
- *Participants can influence and transform science*



**Activist science**

**Participatory action research**

**Community-based natural resource management**

**Public and Patient Involvement (PPI)**



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**Successful  
institutional  
promotion of  
resources and  
infrastructure to  
support citizen  
science**



**TIME4CS**

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INSTITUTIONAL CHANGES  
TO PROMOTE CITIZEN SCIENCE IN  
SCIENCE AND TECHNOLOGY**

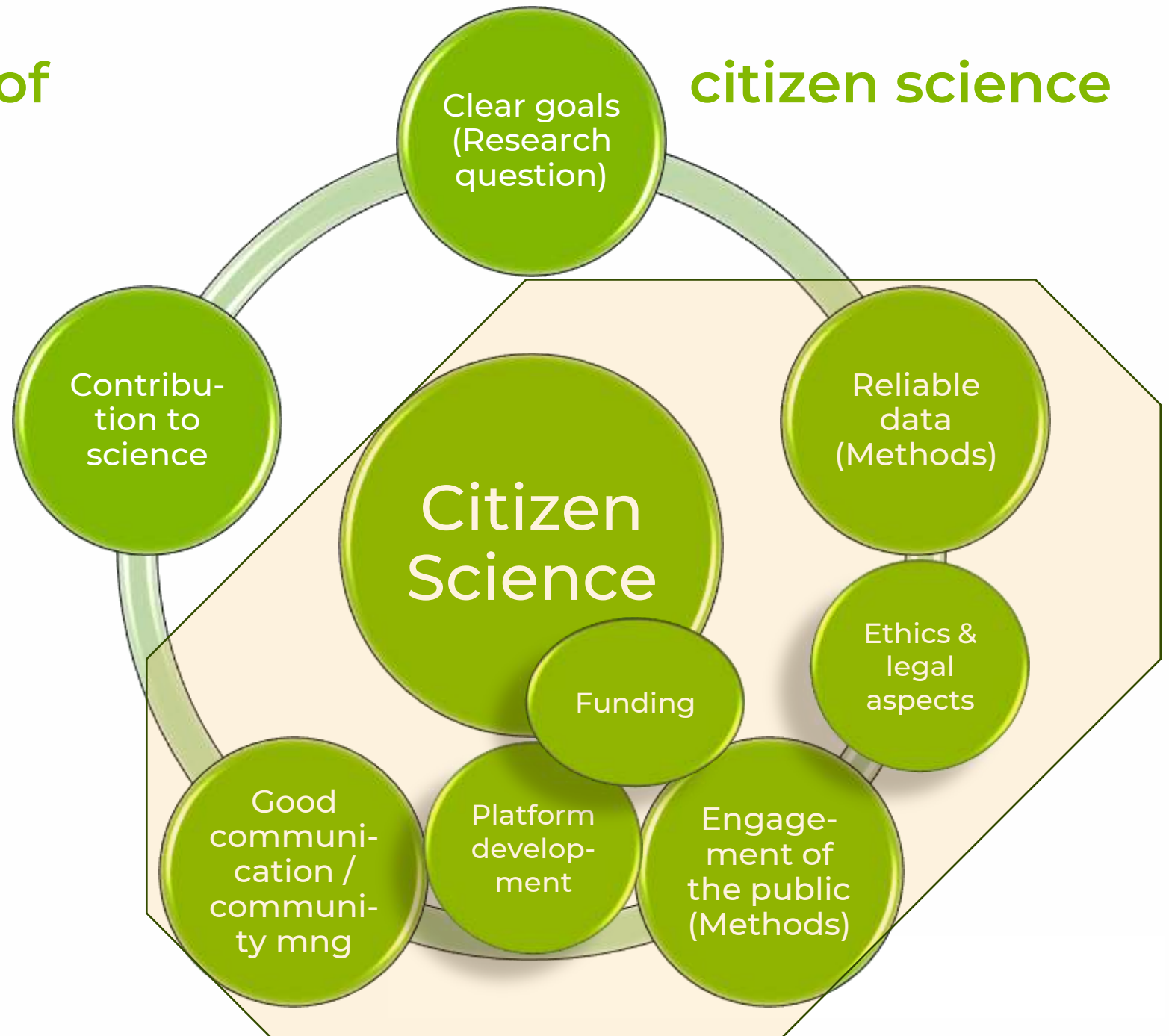


# TIME4CS Elements of

# citizen science

Areas where an institutional contact point or other support functions can help researchers to ensure success of citizen science project:

- Data collection methods
- Ethics and legal aspects
- Public engagement, communication, community building
- Platform development
- Funding for non-research aspects





# TIME4CS Crowdsourcing of research funding allocation

- Southern Denmark University
- 5 hospitals present a research project
- The public votes via Text message
- 2 million DKK distributed (1 / 0.6 / 0.4)
- Yearly since 2019





# TIME4CS CS Zürich: Citizen Science Project Builder



## CITIZEN SCIENCE TOOLS

CONTRIBUTE TO EXISTING PROJECTS OR CREATE YOUR OWN

Citizen Science Zurich is developing a set of tools that make it easy for scientists and citizens to engage with Citizens Science projects.



### Discover

**Contribute to existing projects**

Browse the projects created by scientists and citizens to answer questions in science and society, and contribute your own brain power!

DISCOVER



### CS Logger

**Create a data-collection project**

Engage people in contributing all sorts of digital data for scientific quests by creating a ready to use data collection app for smartphones.

GET STARTED



### CS Project Builder

**Create a data-analysis project**  
If the analysis of your data (images, videos, documents, ...) can profit of people's unique skills and wisdom, build a project for them!

GET STARTED



# Dry leaves and wooden spoons: The story of the Wenker sheets



Aktuell:  
Lesen Sie den neuen Blog-Beitrag zum Wenker-Projekt

ZUM BLOG

## SWISS GERMAN 1930 / 2020

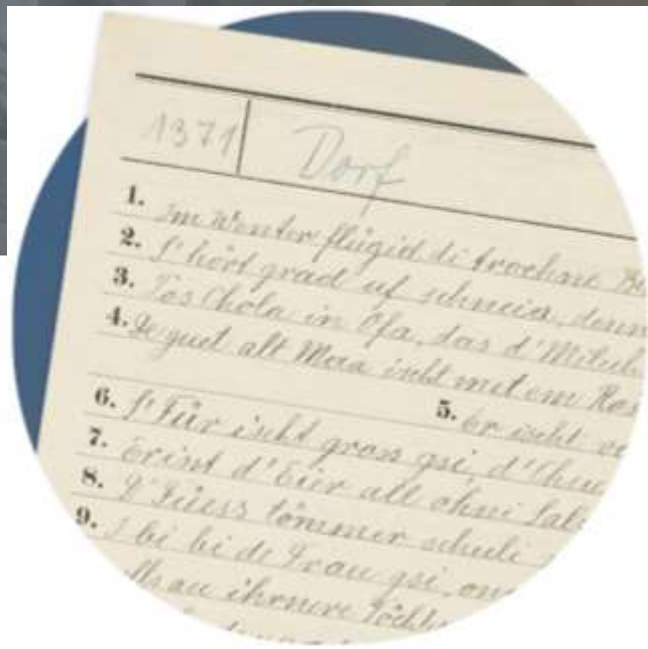
A PROJECT IN SWISS DIALECT RESEARCH

A joint initiative by



University of Zurich

ETH zürich



SUSTAINABLE DEVELOPMENT GOALS

In the 1930s, teachers at many schools in the German-speaking part of Switzerland and their students translated 40 high German sentences into the respective village dialect, such as these phrases: „In winter, dry leaves fly through the air“ or „I beat your ears with a wooden spoon, you monkey.“ The sentences are named after their "inventor" Georg Wenker "Wenker phrases" and they sometimes seem to make little sense; they were just used to capture the main features and differences of the dialects.

The result of the translations is compiled per site on a piece of paper, a so-called "Wenkerbogen" (Wenker sheet). The sentences recorded there provide a rough insight into the respective dialects of the time. For many places, there are hardly any older testimonies of the Swiss German dialects, as sound recordings were just emerging at the time and were therefore very expensive.

„I beat your ears with a wooden spoon, you monkey.“



# TIME4CS Citizen science hubs (institutional contact points)

## Facilitating citizen science

### Connection to society

- Helping connect to relevant societal actors and collaboration partners, possibly through 'gate keepers', e.g. school teachers, associations, etc.

### Community building of volunteers

- Recruitment, communication, feedback and support of volunteers

### Funding

- Suggesting / supporting funding application options for non-research aspects, e.g. community building



# TIME4CS EU-citizen.science


## Non-institutional support


[eu-citizen.science](#) [Search](#) [Blog](#) [Events](#) [Moocs](#) [Forum](#) [FAQ](#) [About](#) [ECS Project](#) [Open Call for Ambassadors](#)


Welcome to the platform for sharing citizen science projects, resources, tools, training and much more


🔍 Search...

 Projects

 Resources

 Training

 Organisations

 Platforms

 Users

join the community  
and participate





# TIME4CS EU-citizen.science



eu-citizen.science Search Blog Events **Moocs** Forum FAQ About ECS Project Open Call for

Welcome to the platform for sharing citizen science projects, resources, tools, training and much more

Search...

- Projects
- Resources
- Training**
- Organisations
- Platforms
- Users

join the community and participate



Navigation: Projects Resources **Training** Organisations Platforms Users

Our Gold Star Selection

Most Recent Updated All languages All themes Category Audience

- Citizen Science in the dialogue between Science and Society**  
Featured  
English  
Moving Image (Video)  
Communication
- Ethical aspects of Citizen Science: good practices and institutional interventions**  
Featured  
English
- The Citizen Science Funding Landscape**  
Featured  
English  
Moving Image (Video)  
Project management  
Project sustainability
- What transformations are needed for research institutes to support citizen ...**  
Featured

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# The funding landscape for citizen science



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# TIME4CS Use funding databases like Research Professional

\* **Research Professional**

Aarhus University Gitte Kragh Email alerts Log Out

News Funding Awards Conferences Our Institution Help

Articles  Opportunities Search

## Opportunities

Advanced Search

Search

[How to set up email alerts](#)

[Tips to fine tune your searches and alerts](#)

My Profile  
Gitte Kragh

### Edition

Europe edition

## Funding

### My winning proposal: Reality check needed for ERC success

A "cold, hard look at yourself" is necessary before a Consolidator Grant bid, advises winner

## News



### Regulation

#### 'IP clarity and seed bank needed before EU GMO rules change'

Consultative body backs proposal to amend EU rules on genetic modification of crops, if supplemented

### Universities

#### European Research Area 'missing policy on fundamental research'

Guild of European Research-Intensive Universities pushing for new priority under ERA policy agenda for 2025-27

### Politics

#### Space ministers to discuss EU's strategic autonomy

Protecting Europe's space assets also set to be a topic of conversation at upcoming meeting

### Universities

#### Utrecht leader urges universities to 'collectively pass' on rankings

Plea comes after Utrecht University's decision to leave Times Higher Education ranking



A search for “citizen science” gives limited results



## Funding

Bio/Medical Engineering & Physical Social Sciences Arts & Humanities Know

## Funding Search

FREE TEXT: "citizen scien... x

Search

Advanced Search

8 results

Actions

Sort Closing date



Results per page 50

<< < 1 > >>

<input type="checkbox"/>	Closing date		Max amount
<b>November 23</b>			
<input type="checkbox"/>	15 Nov 23	<a href="#">The Smithsonian Environmental Research Center's (SERC) Internship Program</a> Smithsonian Environmental Research Center (SERC), US	USD 9,600
<b>February 24</b>			
<input type="checkbox"/>	21 Feb 24	<a href="#">Public engagement with research award</a> European Research Council (ERC), EU and other funders	€10,000
<input type="checkbox"/>	23 Feb 24 (Forecast)	<a href="#">LinnéSys - systematics research fund</a> Linnean Society of London, GB and other funders	£1,500
<b>March 24</b>			
<input type="checkbox"/>	01 Mar 24	<a href="#">Bee science research grants</a> CB Dennis British Beekeepers' Research Trust, GB	£30,000
<input type="checkbox"/>	13 Mar 24 (Forecast)	<a href="#">European Union prize for citizen science</a> Ars Electronica, AT	USD 60,000
<input type="checkbox"/>	15 Mar 24 (Forecast)	<a href="#">Research call 2023: a richer sea</a> Aage V Jensen Foundations, DK	DKK 10,000,000
<input type="checkbox"/>	31 Mar 24 (Forecast)	<a href="#">Ocean Health Grants</a> 11th Hour Racing, US	USD 150,000
<b>May 24</b>			
<input type="checkbox"/>	01 May 24 (Forecast)	<a href="#">A Healthier Southern Denmark - involving citizens in local research</a> Region Syddanmark, DK	£1,000,000





# TIME4CS

A search for “participatory” gives more results!

Consider using other related search terms to get more results

## Funding

Bio/Medical Engineering & Physical Social Sciences Arts & Humanities Know H

### Funding Search

FREE TEXT: participatory x |

Advanced Search

23 results

Actions

Sort   Results per page

<input type="checkbox"/>	Closing date		Max amount
<b>November 23</b>			
<input type="checkbox"/>	22 Nov 23	<a href="#">Precision HIV Health: Integrating Data and Implementation Science to Accelerate HIV Prevention and Treatment (R21/R33 Clinical Trial Not Allowed)</a> National Institute of Mental Health (NIMH), US	USD 275,000
<b>January 24</b>			
<input type="checkbox"/>	15 Jan 24	<a href="#">Chamber Music Workshop and Community Music Grants</a> Amateur Chamber Music Players, Inc. (ACMP), US	USD 5,000
<b>February 24</b>			
<input type="checkbox"/>	15 Feb 24 (Forecast)	<a href="#">E-PARCC Teaching Case and Simulation Competition</a> Maxwell School, US	USD 5,000
<b>March 24</b>			
<input type="checkbox"/>	07 Mar 24	<a href="#">CREA-CROSS-2024-MEDIALITERACY — News media literacy</a> European Education and Culture Executive Agency, EU	€500,000
<input type="checkbox"/>	14 Mar 24	<a href="#">Advanced Research Projects Agency for Health (ARPA-H) Open-Office Broad Agency Announcement (BAA)</a> Advanced Research Projects Agency for Health (ARPA-H), US	Not specified
<input type="checkbox"/>	14 Mar 24	<a href="#">ARPA-H Open Office BAA</a> Advanced Research Projects Agency for Health (ARPA-H), US	Not specified
<input type="checkbox"/>	31 Mar 24 (Forecast)	<a href="#">Eusebio Rial-Gonzalez innovation and practice award in occupational health psychology</a> European Academy of Occupational Health Psychology, INT	Not specified
<b>June 24</b>			





# TIME4CS EU Citizen Science funding

## Horizon2020 – examples of CS-related funded projects

- Doing It TOgether science ([DITOs](#))
- REsearch INfrastructures FOR Citizens in Europe ([REINFORCE](#))
- Distributed Network for Odour Sensing, Empowerment and Sustainability ([D-NOSES](#))
- Citizen Science as the new paradigm for Science Communication ([NEWSERA](#))
- Measuring the Impact of Citizen Science ([MICS](#))
- Citizens Observing Urban Transport ([WeCount](#))
- Citizen Science for Urban Environment and Health ([CitiES-Health](#))
- The Platform for Sharing, Initiating, and Learning Citizen Science in Europe ([EU-citizen.science](#))
- Science Transformation in Europe through Citizens involvement in Health, conservation and energy research ([STEP CHANGE](#))
- [INCENTIVE](#) – Citizen Science Hubs
- Supporting sustainable Institutional Changes to promote Citizen Science in Science and Technology ([TIME4CS](#))



# TIME4CS Citizen Science Funding



[ERC Showcase of Citizen Science projects](#)



69 projects



19 countries



€125 Million budget



54% women

42 Social Sciences and Humanities

17 Life Sciences

9 Physical Sciences and Engineering



Starting Grants  
25



Consolidator Grants  
23



Advanced Grants  
13



Proof of Concept Grants  
7



Synergy Grants  
1

# TIME4CS Upcoming EU calls related to citizen science

## Biodiversity

HORIZON-CL6-2024-BIODIV-01-1 22. februar 2024

### Invasive alien species

HORIZON-CL6-2024-BIODIV-01-5 22. februar 2024

### Transformative action of policy mixes, governance and digitalisation addressing biodiversity loss

## Climate & Green transition

HORIZON-CL6-2024-GOVERNANCE-01 28. februar 2024

### The role of mainstream media, social media and marketing in fostering healthy and sustainable consumption patterns and how to encourage good practices

HORIZON-CL6-2024-COMMUNITIES-02-1-two-stage 22. februar 2024 + 17. september 2024

### Innovating for climate-neutral rural communities by 2050

HORIZON-CL5-2024-D4-01-02 18. april 2024

### Smart grid-ready buildings

## Digital citizenship

HORIZON-CL2-2024-TRANSFORMATIONS-01-10 7. februar 2024

### Effective education and labour market transitions of young people

HORIZON-CL5-2024-D6-01-09 5. September 2024

### Policies and governance shaping the future transport and mobility systems

HORIZON-CL5-2024-D4-02 21. januar 2025

### Digital solutions to foster participative design, planning and management of buildings, neighbourhoods and urban districts (Built4People Partnership)

## Culture & Democracy

HORIZON-CL2-2024-TRANSFORMATIONS-01-10 7. februar 2024

### Effective education and labour market transitions of young people

HORIZON-CL2-2024-HERITAGE-01-01 7. februar 2024

### New European Bauhaus – Innovative solutions for greener and fairer ways of life through arts and culture, architecture and design for all

## Food & Agriculture

HORIZON-CL6-2024-COMMUNITIES-01-1 22. februar 2024

### Unlock the potential of the New European Bauhaus in urban food system transformation

HORIZON-CL6-2024-FARM2FORK-01-6 22. februar 2024

### Citizens' science as an opportunity to foster the transition to sustainable food systems

## Health & Well-being

HORIZON-HLTH-2024-STAYHLTH-01-02-two-stage 19. september 2023 og 11 april 2024

### Towards a holistic support to children and adolescents' health and care provisions in an increasingly digital society

HORIZON-HLTH-2024-ENVHLTH-02-06-two-stage 19. september 2023 og 11. april 2024

### The role of environmental pollution in non-communicable diseases: air, noise and light and hazardous waste pollution

HORIZON-HLTH-2024-STAYHLTH-01-05-two-stage 19. september 2023 og 11. april 2024

### Personalised prevention of non-communicable diseases - addressing areas of unmet needs using multiple data sources





# TIME4CS

## EU Funding & Tenders portal

AU employees (using your AU email address) can subscribe to the CDEU AU newsletter Research Trends by emailing AU Brussels: [aubrussels@CentralDenmark.eu](mailto:aubrussels@CentralDenmark.eu)



In Research Trends for the month of April we will share the MSCA call for Postdoctoral Fellowship and the launch of a new MSCA tool. You can read that DG RTD has updated the Work Programme 2023-2024 and the Cluster 3 Work Programme is now published. We also share, that the EU has made the final agreement for the European Chips Act. Furthermore, we invite you to take part in the consultations regarding EU's climate target for 2040.

For an overview of research and innovation events, please consult the end of the newsletter.

### News

#### ERC selects partners for its Science Journalism Initiative

The ERC has selected the project "FRONTIERS" to support science journalists' stays at research institutions across Europe. The project will run from 2023-2027 with a budget of €1.5 million. The project aims to support 40 science journalists to spend longer time with research teams working on their reporting ideas at institutions of their choice. Universities and research centres conducting frontier research in any field of knowledge will be able to participate in the programme. The project is coordinated by [Enspire Science](#) from Israel. For more information, please follow [this link](#).

playfully with randomly selected questions. After answering all questions, corrections, links to resources, useful tips and hints will be provided. This will contribute to preparing a competitive proposal. For more information, please follow [this link](#).

#### New topics in Cluster 3 Work Programme

The Commission has adopted an amendment to the main Horizon Work Programme 2023-2024. The aim of this amendment is to foster research and innovation supporting civil security for society with additional investments (cluster 3). Please find the latest work program [here](#). With this

The screenshot shows the European Commission's 'Funding & tender opportunities' portal. At the top, the European Commission logo and the text 'Funding & tender opportunities Single Electronic Data Interchange Area (SEDIA)' are visible. Below the header is a navigation bar with a home icon, a search bar labeled 'SEARCH FUNDING & TENDERS', and links for 'HOW TO PARTICIPATE' and 'PROJECTS & RESULTS'. The main content area features a search bar with the placeholder 'Type your Keywords...' and a magnifying glass icon. Below the search bar are two checkboxes: 'Match whole words only' (checked) and 'GRANTS' (checked), with a 'TENDERS' button to its right. A 'Submission status' section contains three boxes: 'Forthcoming (298)' with an orange checkmark, 'Open for submission (240)' with a green checkmark, and 'Closed (1617)' with a red checkmark. The 'Programming period' section has a dropdown menu labeled 'Select a Programme period...'. Below this is a blue filter bar for 'Horizon Europe (HORIZON)' with a close icon. Underneath are three more dropdown menus: 'Programme part' (labeled 'Select a Programme part...'), 'Mission' (labeled 'Select a Mission...'), and 'Destination' (labeled 'Select a Destination...').



# TIME4CS Secrets to writing a winning grant

nature masterclasses

CAREER FEATURE | 20 December 2019

## Secrets to writing a winning grant

Experienced scientists reveal how to avoid application pitfalls to submit successful proposals.

## Scoping, pitching, writing and rewriting

- **Do your research**
  - Note differences in the scope of different funding instruments, but also success rates, frequency of calls, expected team size, international collaborators, assessment criteria and panels, etc.
- **Pitch your proposal**
  - Contact funding organisations, but also connect your research problems to broader issues and your own background
- **Write in plain English (as plain as possible)**
  - Connect to your audience: Applies especially to the abstract and introduction

# TIME4CS Secrets to writing a winning grant

## Tips and tricks

- **Allocate enough time (as much as one week per page)**
  - Include time for rewrites, proofreads and commentary
- **Seek criticism and feedback**
  - Request feedback from colleagues, but also friends and family members
  - Unclear writing may be a sign of unclear thinking
  - Negative feedback can be one of the best learning experiences
- **Seek assistance from research support units**
  - They may be able to help with the scoping, writing and submission process

nature masterclasses

CAREER FEATURE | 20 December 2019

### Secrets to writing a winning grant

Experienced scientists reveal how to avoid application pitfalls to submit successful proposals.



# Interactive session: Designing citizen science proposals

25 min group discussion + 5 min  
presentations from groups

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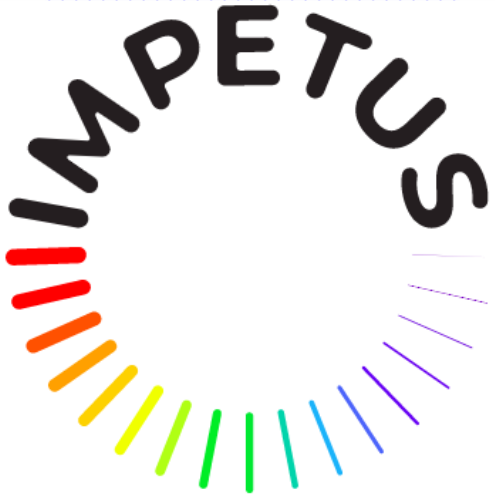


# TIME4CS Designing citizen science proposals

Interactive session – 25 min (+2 min pitch from each group)

- **In smaller groups, choose one of the following calls:**
  - IMPETUS call (opens January, closes March 2024)
  - Experiment.com (crowdfunding)
  - AUFF Nova call (September 2024)
  - Any other call of your own choice (preferably within citizen science)
- **Develop a pitch for a citizen science proposal by answering the following questions – each group will present their pitch**
  - What is the context of this research? (Why it matters?)
  - What is the significance of this research? (How much it matters?)
  - What are the goals of this research? (What do you set out to achieve?)





- Kickstarting grant
- New project
- €20.000
- 2023 (closed), 2024 (March), 2025
- Different challenges each year

## Let's start with the Accelerator Programme.

It has two grants:

- **Kickstarting grants:** If you start a project, successful applicants will receive €20,000, mentoring and training support to help start your initiative for a period of six months.
- **Sustaining grants:** If you are an ongoing project, successful applicants will receive €10,000, mentoring and training support for a period of six months.

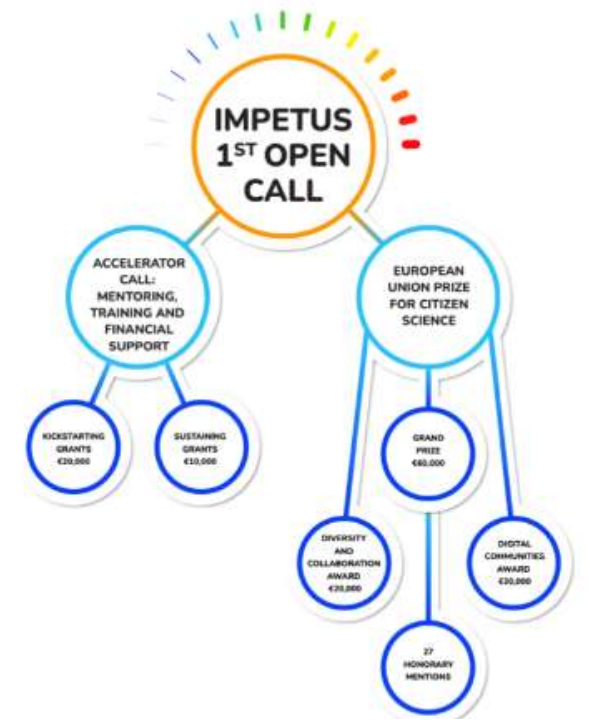
The challenges or topics of this first call are "Healthy planet" and "Cities for life". This means that your project should address and relate to one of these topics.

Who can apply? Individuals, legal entities, and consortia established in a country or territory eligible to receive Horizon Europe grants are eligible to apply. Please note that the geographic eligibility focuses on the European Research Area (ERA), namely the EU Member States, all overseas countries and territories linked to EU Member States and all third countries having concluded or currently negotiating an association status with Horizon Europe.

The funding can be spent on salaries, equipment, consumables, travel, and subcontracting in accordance with [Horizon Europe guidelines](#).

This is a great chance if you are:

- thinking of starting a new citizen science project;
- an ongoing citizen science project looking for support, financial and otherwise, to grow and become sustainable;
- a researcher or a research team seeking to resource a new citizen science project;
- a community interested in co-designing research on the topics related to our challenges: Healthy Planet and Cities for Life
- an organisation in public, private and third sectors exploring the use of citizen science in their work.



<https://impetus4cs.eu>

experiment

Help fund the next wave  
of scientific research

# Voices of food insecurity: Exploring barriers and strategies to healthy food access

By Chris Schaeffbauer, Nina Holtz, Hana Dansky, Ingrid Castro-Campos, Lindsey Loberg, and Joel Marquez

Backed by John Jasper Speicher, Ann Mattson, Becky Boone, Angela Li, Tyler Manser, Emerson Farrugia, Lee Scriggins, Alex Halbleib, David Haddad, Simona Carini, and 12 other backers



**\$1,421**

Raised of \$1,370 Goal

**103%**

Funded on 4/28/16

Successfully Funded

? How does this work?

## What is the context of this research?

Food insecurity is "a household-level economic and social condition of limited or uncertain access to adequate food". By this definition, 17.4 million households in America (or 14% of people) were food insecure in 2014. Food insecurity is associated with obesity, chronic illness, and contributes to continued cycles of poverty.

There has been a call for research that actively engages people facing these issues to improve food access. One way to engage people in this process is through community-based and participatory research (CBPR). These approaches improve "the quality and validity of research by engaging local knowledge and local theory based on the lived experience of the people involved" and aid in translating research into action.

## What is the significance of this project?

Research exploring the diverse, lived experiences of people affected by food insecurity is essential in developing new approaches to improve food access at a community-level. In working together with people affected by food insecurity, we aim to co-create a greater understanding of the challenges people face in getting and preparing food. This will, in turn, spark new ideas for how communities can improve food access.

This project is also significant in that we are using a novel community-based research approach, which we anticipate can be used in other communities. Therefore, an important part of this project will be documenting our research process and the challenges we face. We will share our experiences and protocols, so that others can conduct similar research in their communities.

## What are the goals of the project?

We aim to explore the diversity of experiences associated with food insecurity and identify food access barriers through three activities: qualitative inquiry into the lived experiences of food insecurity, participatory data analysis, and design research.

First, we'll conduct multimedia interviews with 25 people affected by food insecurity. Each person uses a camera phone, which we provide, to record their experiences getting food for 2 weeks. Afterward, we'll discuss their recordings and barriers and facilitators to food access.

Next, we'll host workshops to analyze de-identified interview data to identify common themes.

Lastly, we'll host community design workshops to co-create ideas to improve food access.

In all these activities, we'll work together with people affected by food insecurity.



experiment

Help fund the next wave of scientific research

## Finding a Cure for Batten Disease

By Charlotte And Gwenyth Gray Foundation

Backed by Liat & Mark Ciardi, Jennifer Lawrence, Gero M Bauknecht, Gary Tekulsky, Barry Hoeven, Lauren Santo Domingo, NORMAN LEAR, GORDON KING, Kirsten M Maltas, Talia Gart, and 18875 other backers



The Charlotte and Gwenyth Gray Foundation

Medicine

Neuroscience

Tax Deductible

DOI: 10.18258/5082

\$2,641,086

Raised of \$1,000,000 Goal

264%

Funded on 10/24/15

Successfully Funded

? How does this work?

### What is the context of this research?

Due to their physical and environmental properties, seamounts have been known to act as biodiversity hotspots and can host numerous vulnerable marine ecosystem (VME) indicator species. Despite their abundance and ecological roles, less than 0.1 % of the world's seamounts have been explored. These vital ecosystems are under threats from human activities including unsustainable forms of fishing and deep-sea mining.

We will be developing low-cost deep sea drop cameras using off-the-shelf resources in order to assess the status and biodiversity of the deep-sea areas of the Manta Bowl seamount, contribute to deep-sea AI, and provide more insights to these ecosystems. Comparison studies with existing low-cost camera system, Maka Niu, will also be conducted.

### What is the significance of this project?

Despite the area being situated inside a protected area, the current zoning allows for potentially damaging activities to occur, including oil and gas shipping and unloading, seismic exploration and fishing.

By identifying critical habitats and collecting baseline information on the current status of biodiversity, unsustainable activities can be managed and regulated to ensure the conservation of these important deep-sea waters.

The low-cost, open-source technology will also make deep sea research more accessible to students, early-career researchers and deep sea enthusiasts worldwide, subsequently increasing our knowledge of the deep sea and contributing to the Global Sustainable Development Goals.

### What are the goals of the project?

The goals of the project are to

- 1.) Assess the deep-sea biodiversity and identify critical habitats in the waters of the Ticao-Buris Pass Protected Seascape (Philippines) with particular focus on the Manta Bowl seamount;
- 2.) Develop an efficient and easy-to-use, low-cost, deep-sea camera system, to increase accessibility to deep water exploration and research for local communities and research groups regionally and globally;
- 3.) Provide images from a poorly explored region of the world, to enhance AI and machine learning and support automated data management for the development of large scale deep sea citizen science projects.



Most funded projects lately have been US\$5000-10000





The aim of AUFF NOVA is to stimulate courageous and innovative research projects of high quality – projects, which may have difficulties obtaining alternative funding. The project must be pioneering in its field and show clear potential for scientific breakthroughs. The hypothesis or problem behind the project may require development of new methods and it may challenge existing paradigms.

As the foundation wishes the funds from the foundation to benefit as many different researchers as possible, a 1-year waiting period for applicants applies. This means that if the application was rejected in 2022, the applicant cannot apply this year. Also if the application is rejected this year the applicant is not eligible to apply next year. Furthermore, grant holders cannot apply during the period in which they already hold a NOVA grant from the foundation.

In the evaluation of applications, the scientific potential and originality of the project will be weighted higher than the applicant's CV.

In 2023, the frame for AUFF NOVA is DKK 40,000,000 in total.

In 2023 AUFF NOVA includes two types of grants with a slight adjustment of the budget available for each project type compared to previous calls. Priority is given to small projects.

1. **Small projects** (up to DKK 600,000), duration 1-2 years
2. **Large projects** (up to DKK 2,500,000), duration 3-4 years

**Application deadline is Friday 15 September, 2023 at 12.00 noon**

AUFF NOVA is available for all researchers with a permanent position at AU. Tenure track assistant professors are considered permanent staff in this regard. Research leaders in fixed, part-time employment at AU, with concurrent clinical employment at AUH, can also apply. Buy-out/'frikøb' is not granted in this scheme. See more in the [application guide for AUFF NOVA](#).

### Synopsis

The synopsis should include a short description of the project, research questions and hypotheses in relation to current beliefs and contain information on sources, data and methods. Moreover, the project's scientific importance and broader impact must be included. (Maximum of 4800 characters; 2 pages, 1.5 line spacing). One extra page with publication references to the synopsis may be added if needed.

### Project plan

The project plan should give an overview of the project's timeline and work plan. **Milestones and deliveries should include at least one large national or international research grant application.** Moreover, the plan should include the project's future development in terms of content, financing and the planned contribution to talent development. (Maximum of 2400 characters; 1 page, 1.5 line spacing)

### Presentation of the research group

Description of the research group and the competences relevant to the project (Maximum of 2400 characters; 1 page, 1.5 line spacing)

### Recommendation letter

Academic recommendation by head of department or similar must be enclosed (applicant cannot draw up the academic recommendation him- or herself).

### Budget

Specified budget (principal items) for the amount applied from AUFF (maximum 1 page). Project duration is 1-2 years for small projects or 3-4 years for the big projects. Small projects with a maximum of DKK 600,000 in total and large projects up to DKK 2,500,000, in total. It is possible to apply for costs related to project implementation, including salary for staff (typically PhDs or postdoctoral fellows). Please note, that if the budget contains costs related to wages, these must be based on Danish collective agreements and include pension, ATP and holiday payment.

It is possible to apply for apparatus and instruments or necessary remodeling of laboratories if needed for the project. Attach quotes for the specified to the budget file.

It is not possible to apply for salary to the PI/applicant, since Buy-out/'frikøb' is not granted in this scheme.

Overhead is not granted in this scheme.



# TIME4CS Designing citizen science proposals

Interactive session – 25 min (+2 min pitch from each group)

- **In smaller groups, choose one of the following calls:**
  - IMPETUS call (opens January, closes March 2024)
  - Experiment.com (crowdfunding)
  - AUFF Nova call (September 2024)
  - Any other call of your own choice (preferably within citizen science)
- **Develop a pitch for a citizen science proposal by answering the following questions – each group will present their pitch**
  - What is the context of this research? (Why it matters?)
  - What is the significance of this research? (How much it matters?)
  - What are the goals of this research? (What do you set out to achieve?)

# TIME4CS Citizen Science Support Resources & Infrastructure

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15:50-16:00	<ul style="list-style-type: none"><li>• Wrap up and evaluation</li></ul>

# Ethical and legal guidelines for citizen science

Ensuring that citizen science projects adhere to ethical standards and legal requirements



# TIME4CS

SUPPORTING SUSTAINABLE  
INSTITUTIONAL CHANGES  
TO PROMOTE CITIZEN SCIENCE IN  
SCIENCE AND TECHNOLOGY



# TIME4CS Ethics and legal guidelines for citizen science


## Key take-aways

**Ethics and legal guidelines are essential considerations for citizen science projects to ensure the responsible conduct of research and protect the rights and interests of participants, project organizers, and stakeholders**

- **Informed consent and data privacy:** obtain informed consent from participants and safeguard personal data and privacy
- **Scientific validity and ethical conduct:** follow rigorous scientific methods and adhere to ethical principles (seek ethics review, if needed)
- **Legal compliance and social justice:** comply with relevant laws and guidelines, consider liability, insurance, and conflict resolution mechanisms, and address issues of justice, equity, diversity, and inclusion (JEDI)



# TIME4CS Case: Personal data donation



**THE MICROSETTA INITIATIVE™**

How alike are we  
on the inside?


Discover the microbiome in you

There are as many microbial cells as human cells in our bodies. This collection of microbial cells is known as the human microbiome. With roughly 1lb (.45kg) of them in our gut alone, we're on a mission to make critical discoveries about their role in our lives. Based at the University of California San Diego, our scientists are recruiting people like you to help make medical breakthroughs by advancing this monumental research project.

Currently living in the US? Join to become a citizen scientist.


*So why join this project?*

- Your active participation helps create new knowledge that enhances both microbiome research and education – all while learning more about what makes your microbiome unique. [Learn More About Us](#)
- Your contributions help facilitate ground-breaking research that can one day be used to respond to our social needs and global challenges.



Personal Genome Project: Global Network Projects ▾ News Contact

## The Personal Genome Project



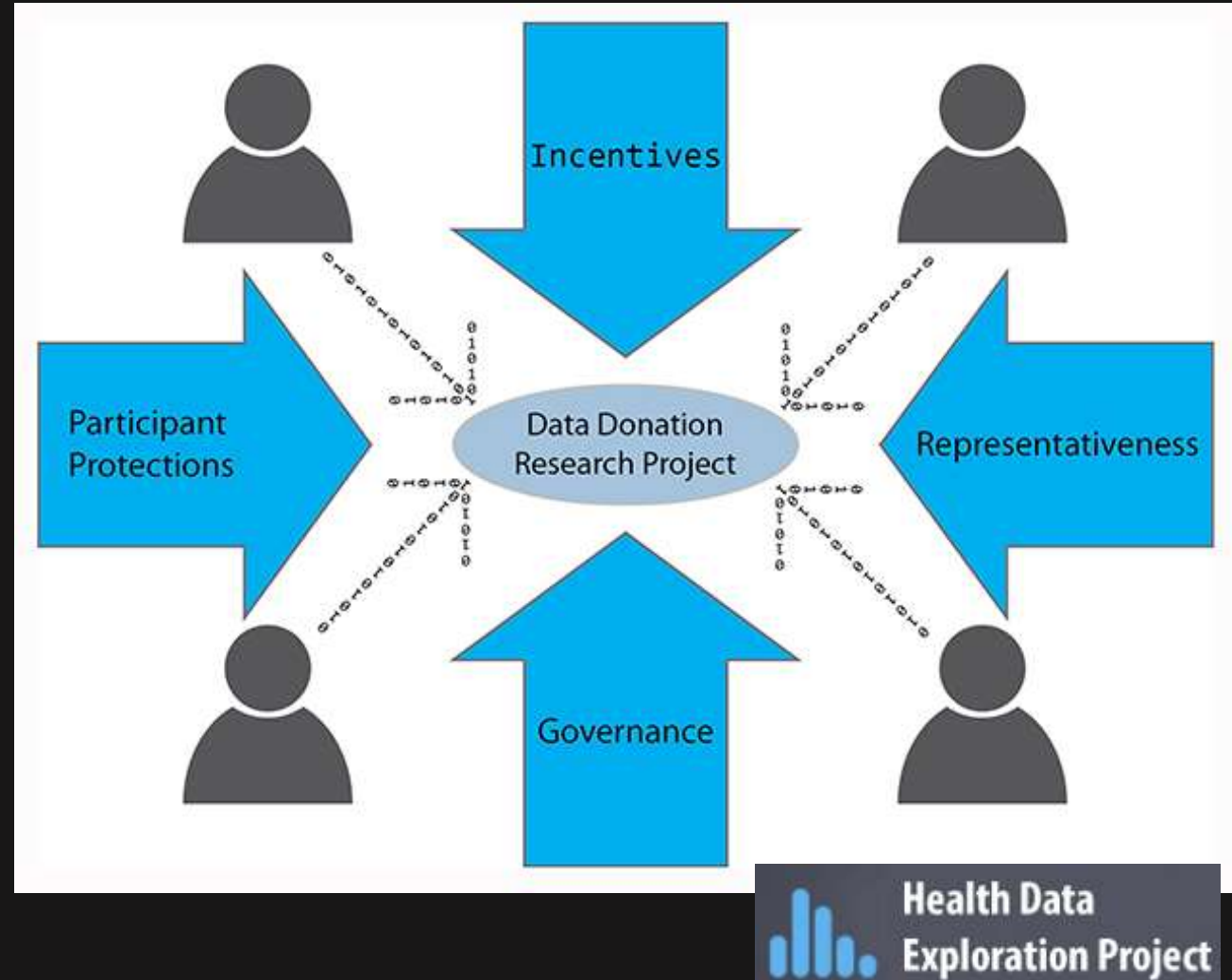
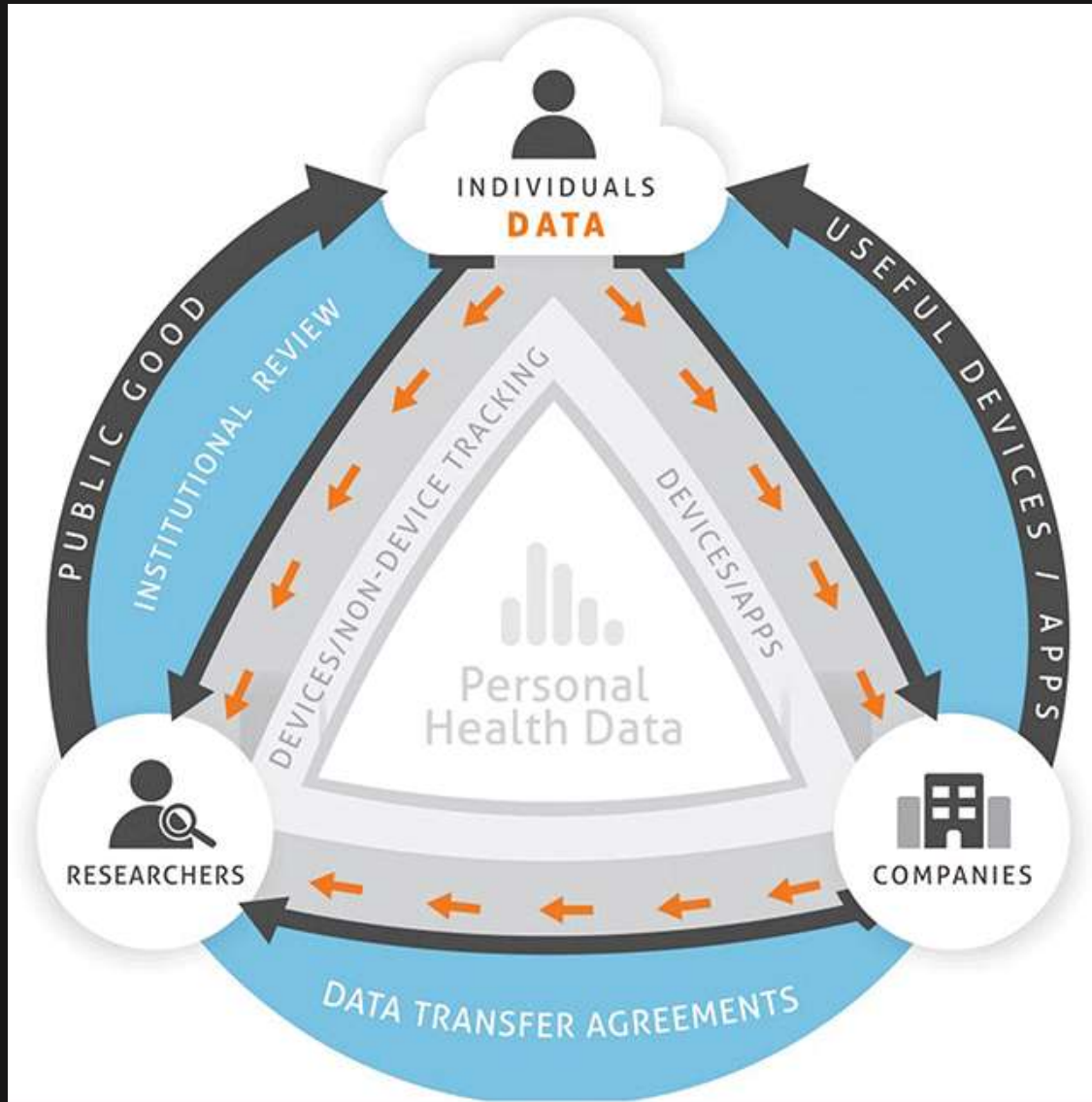
The Personal Genome Project, initiated in 2005, is a vision and coalition of projects across the world dedicated to creating public genome, health, and trait data. Sharing data is critical to scientific progress, but has been hampered by traditional research practices. The PGP approach is to invite willing participants to publicly share their personal data for the greater good.

### International Projects

The Global Network of Personal Genome Projects includes researchers at leading institutions around the globe:

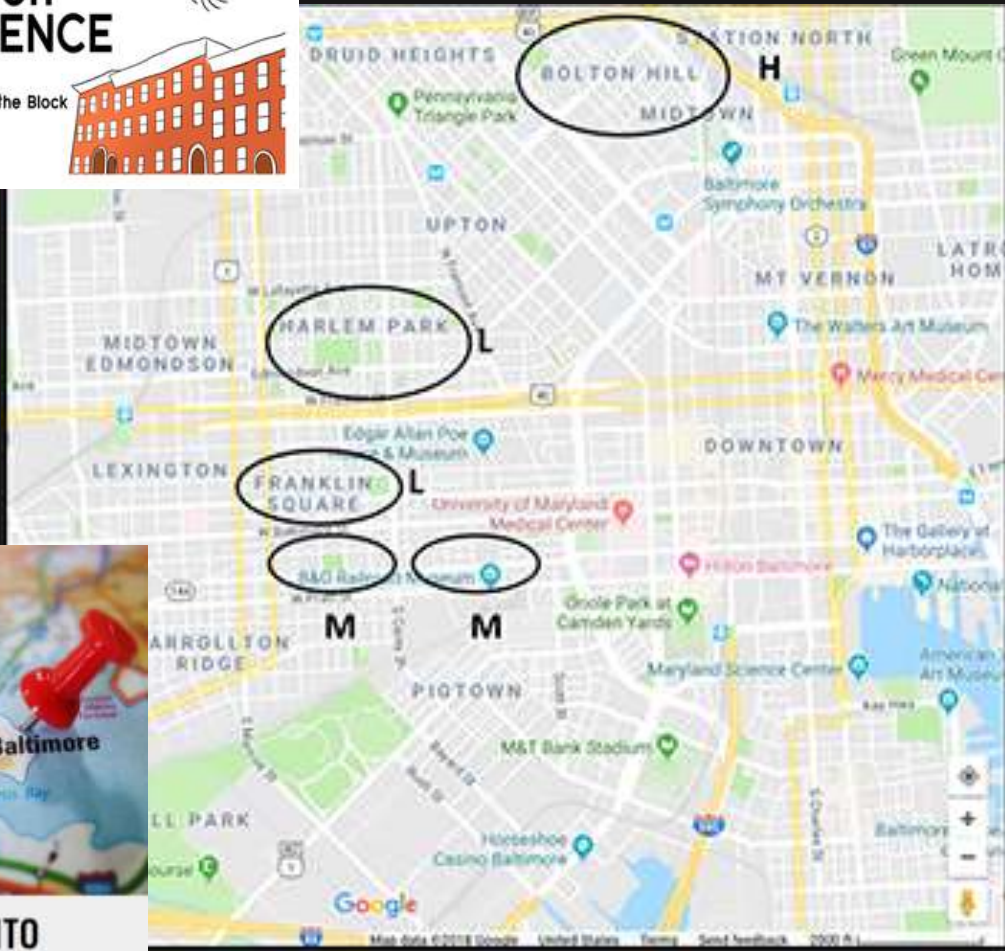
- **Harvard PGP (United States)**  
Founded in August 2005, the Harvard Personal Genome Project is the pilot PGP site, and is based in George Church's laboratory at Harvard Medical School.  
[Go to the Harvard PGP website](#)
- **PGP Canada (Canada)**  
Founded in December 2012, PGP Canada is operated by the McLaughlin Centre at the University of Toronto, and The Centre for Applied Genomics at the Hospital for Sick Children.  
[Go to PGP Canada website](#)
- **PGP UK (United Kingdom)**  
Founded in November 2013, PGP UK is led by Stephen Beck at University College London.  
[Go to the PGP UK website](#)
- **Genom Austria (Austria)**  
Founded in November 2014, Genom Austria is based at the CeMM Research Center for Molecular Medicine of the Austrian Academy of Sciences.  
[Go to Genom Austria website \(German language\)](#)
- **PGP China (People's Republic of China)**  
Announced in October 2017, The Personal Genome Project in China (PGP China) is led by Professor LI Jin at Fudan University, Shanghai. PGP China is now collecting contact information from interested participants and potential collaborators.

# TIME4CS Ethical and legal concerns raised by participants in the Health Data Exploration Project





# TIME4CS Case: West Baltimore Mosquito Stoppers



Baltimore Citizen Science Mosquito Project



# TIME4CS Designing for inclusivity in citizen science

## West Baltimore Mosquito Stoppers Project

### Aligning research and education with community priorities

- Working with community-based organizations to both market and advise on the scope of the project to ensure that research goals aligns with community interests

### Planning for co-management of the project and engaging the community at every step

- Recruiting block leaders from within the community as project liaisons

### Incorporating multiple kinds of knowledge and disseminating results from the work widely (outside of scientific publication)

- Introducing the PhotoVoice methodology to capture participants' experience and presenting results at focal neighborhood meetings to translate results into actionable knowledge



# TIME4CS Codes of conduct and ethical principles for citizen science

## Six (out of ten) principles of citizen science



Ten principles of citizen science

### 3. Both scientists and the citizen scientists benefit from taking part

- For example, learning opportunities or satisfaction through contributing to scientific evidence e.g. to address local, national and international issues, and through that, the potential to influence policy

### 5. Citizen scientists receive feedback from the project

- For example, how their data are being used and what the research, policy or societal outcomes are

### 7. Citizen science data and meta-data are made publicly available and where possible, results are published in an open access format

- Data sharing may occur during or after the project, unless there are security or privacy concerns that prevent this



# TIME4CS Codes of conduct and ethical principles for citizen science

## Six (out of ten) principles of citizen science



Ten principles of citizen science

**8. Citizen scientists are acknowledged in project results and publications**

**9. Citizen science programmes are evaluated for their scientific output, data quality, participant experience and wider societal or policy impact**

- MICS indicators for science, environment, economy, governance, and society

**10. The leaders of citizen science projects take into consideration legal and ethical issues surrounding copyright, intellectual property, data sharing agreements, confidentiality, attribution, and the environmental impact of any activities**



# TIME4CS Ethical and legal governance

## Rational approach to ethical conduct and legal compliance

Encompassing adherence to ethical standards and compliance with laws, fostering accountability, transparency, and risk management within organizations or projects to ensure responsible behavior and mitigate legal risks

- **Ethical and legal standards:** Integrating ethical conduct and legal compliance into the project
- **Accountability and compliance:** Mitigating legal risks and vulnerabilities through compliance and reporting measures
- **Transparency and risk management:** Conducting risk assessments and protecting sensitive information and data privacy

# TIME4CS Integrating ethical considerations into all aspects of citizen science projects

## Elements of an ethical infrastructure for citizen science

### Institutional frameworks

- Research integrity and responsible conduct of research
- Ethics training and institutional review boards
- Whistleblower policies

### Open science and Responsible research and innovation (RRI)

- Transparency and openness in all phases of research
- Stakeholder engagement and adherence to JEDI principles
- Anticipation, reflection, inclusion, and responsiveness



# TIME4CS Citizen Science Support Resources & Infrastructure

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# Institutional contact points for citizen science

Successful institutional promotion of resources and infrastructure to support citizen science



# TIME4CS

SUPPORTING SUSTAINABLE  
INSTITUTIONAL CHANGES  
TO PROMOTE CITIZEN SCIENCE IN  
SCIENCE AND TECHNOLOGY



# TIME4CS Successful institutional promotion of resources and infrastructure to support citizen science

## Key take-aways

Promoting resources and support infrastructure for citizen science enhances accessibility, elevates research quality, and ensures sustainability, leading to more impactful and inclusive scientific contributions

- **Accessibility and inclusivity:** allowing a diverse range of participants to engage regardless of their location, background, or resources
- **Quality and impact:** enabling better training, data collection tools, and project management, ultimately improving the quality of research outcomes and the positive impact of citizen science initiatives
- **Sustainability and growth:** foster continued innovation and growth of citizen science projects to address pressing societal and environmental challenges

# TIME4CS Case: The SDU Citizen Science Knowledge Center



Our Global Goals

Programmes

Research

Press and News Room

Cooperation

Library

About SDU



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Dansk



Menu

SDU > Research > Research dissemination > Citizen science > Citizen Science Network

## About the SDU Citizen Science Knowledge Center

### SDU Citizen Science Knowledge Center

The Knowledge Center is hosted by the Library and anchored at all Faculties, DIAS, RIO as well as Odense University Hospital. The overall goals are.

#### For society:

- To bring citizens closer to science – and scientists closer to society
- To broker knowledge sharing about Citizen Science – internally and externally
- To open the research process for all citizens across all levels of education and social groups through communication, education and learning

#### For researchers:

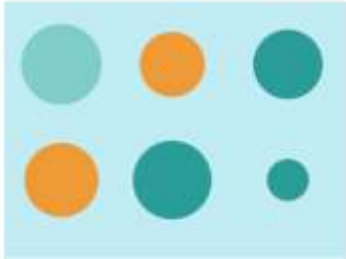
- To enable researchers to conduct excellent research with regards to Citizen Science
- To provide relevant services for researchers – and enable them to act themselves
- To support the UN SDG's

The Knowledge Center supports and consolidates the SDU strategy of “creating value for and together with society by working with the UN’s SDGs” and is working to attract and maintain present and future generations of talents, learners and citizen scientists.

The task of the Center is to create impact by (1) initiating projects aimed at dissolving traditional divisions between research professionals, Faculties and the other links in the chain of education and (2) initiating projects in collaboration with the public including new and established media. An important aspect is (3) supporting researchers in managing research projects in order to conduct ethical sound community-based research, collect data, and do excellent research as well as (4) promoting Open Science.



# TIME4CS Case: Citizen Science Zürich



## Get started

Wondering about Citizen Science? Curious to see real world examples? Find inspiration and more information.

- > What is Citizen Science?
- > Inspirational projects
- > Join our events
- > Browse through our blog



## Get involved

Are you looking for opportunities to participate in research projects? Browse through our various Citizen Science projects or get in touch with us.

- > Citizen Science projects
- > Consultations



## Trainings

Do you want to improve your skills and knowledge in Citizen Science? Take a look at our trainings and workshops for students, researchers, practitioners and citizens.

- > Trainings
- > Upcoming events



# Willkommen!



Universität  
Zürich

ETH zürich



Stiftung  
Mercator  
Schweiz



## Digital Tools

Do you want to collect or analyze digital data but lack the right tool to do so? Take a look at our tools to set up and run Citizen Science projects.

- > Digital Tools



## Support

Do you have a project idea and need conceptual or financial support? Take a look at our different support services.

- > Consultations
- > Seed Grants
- > Project Support
- > Guidelines & Templates



## Get connected

Are you looking for ways to get involved in our community? Connect with us, become a member or join forces with us as our partners.

- > Become a member
- > Become our partner
- > Join our community
- > Meet the team

# TIME4CS Case: AU Citizen Science

## AU Citizen Science

### AU Citizen Science

- › People and Collaborators
- › Citizen science projects
- ›› Upcoming events
- ›› Past events
- › Citizen Science Training
- › Resources, networks and links
- › Media about AU citizen science



Citizen science is here broadly understood to include crowd-sourced science, public participation in science, public engagement with science, scientific citizenship, patient and public involvement, and more.

This site was set up to enable AU knowledge exchange, networking and collaborations in relation to citizen science.

AU Library may also be able to assist with resources and guidance; citizen science lies under their [Open science services](#).

If you have any suggestions or questions, please contact [Gitte Kragh](#).

### Engaging Citizen Science Conference 2022



### AU CS mailing list

Sign up to our internal AU CS mailing list here



# ecsa

European  
Citizen Science  
Association

Member

### ECSA Member

Aarhus University is a member of the  
European Citizen Science Association



# TIME4CS The role of a single point of contact (SPOC) for citizen science

## Initiating, facilitating and coordinating citizen science

The SPOC for citizen science serves as a vital link between research and the wider community, ensuring that citizen science projects align with the organization's goals, values, and ethical standards while facilitating their successful implementation and impact

- **Coordination and support:** coordinating communication, offering guidance, and allocating resources for citizen science projects within the organization
- **Ethical and legal compliance:** ensuring projects adhere to ethical and legal standards, including ethics review and data privacy
- **Quality assurance and promotion:** maintaining project quality, tracking impact, and advocating for the importance of citizen science both within and outside the organization

# TIME4CS Designing a single point of contact (SPOC) for citizen science

## Designing for impact, outreach and sustainability

### Assessment and needs analysis

- Conduct a thorough assessment of the organization's current citizen science landscape, identifying existing projects, potential stakeholders, and resource availability
- Determine the specific needs, challenges, and opportunities for citizen science within the organization



# TIME4CS Designing a single point of contact (SPOC) for citizen science

## Designing for impact, outreach and sustainability

### Role definition and structure

- Define the role and responsibilities of the SPOC, including their scope of authority, reporting structure, and key functions
- Consider whether the SPOC should be a dedicated individual, a team, or a committee, depending on the organization's size and citizen science goals

# TIME4CS Designing a single point of contact (SPOC) for citizen science

## Designing for impact, outreach and sustainability

### Training and integration

- Provide necessary training and support to the SPOC to ensure they have the expertise and knowledge needed to fulfill their role effectively
- Integrate the SPOC into the organization's existing structures and communication channels to facilitate seamless coordination with researchers and citizen science initiatives

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# **TIME**4CS

**SUPPORTING SUSTAINABLE  
INSTITUTIONAL CHANGES  
TO PROMOTE CITIZEN SCIENCE IN  
SCIENCE AND TECHNOLOGY**

## **Interactive session: Designing the AU SPOC for citizen science**

Successful institutional promotion  
of resources and infrastructure to  
support citizen science

25 min group discussion + 5 min  
presentations from groups





# TIME4CS Designing the AU Single Point of Contact (AU-SPOC)

## Interactive session 30 min

### Assessment and needs analysis

- Assess the current state of citizen science at AU, including the landscape, potential stakeholders, and available resources
- Identify the unique needs, challenges, and opportunities for advancing citizen science within the AU context

### Role definition and structure

- Clarify the role and responsibilities of the AU-SPOC, outlining key functions and duties

### Training and Integration

- Discuss strategies for seamlessly integrating the AU-SPOC into the existing structures and communication channels within AU
- Additionally, explore any specific ethical and legal requirements that must be carefully considered and adhered to in the context of the AU-SPOC's responsibilities

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# TIME4CS Next workshop

Monday, 27

Citizen Science Policy & Assessment

November 2023

[Read more and register](#) for workshop



## AU Citizen Science

[Projects](#) > [AU Citizen Science](#) > [Upcoming events](#) > [Citizen Science Workshops 2023](#)

### AU Citizen Science

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  - > [Citizen Science Workshops 2023](#)
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## Citizen Science Workshops 2023

### Citizen Science Workshops @AU 2023

As part of the TIME4CS project, AU has developed a range of [citizen science training materials](#) and has run citizen science training workshops for researchers and research performing organisations' admin and management teams in four European countries. Building on this, we now offer four workshops at AU (Preben Hornung Stuen, Bldg. 1422 / 132, Fredrik Nielsens Vej 2-4, 8000 Aarhus C) this autumn, all 2-4pm:

Monday, 2 October 2023	Citizen Science Research & Methodology
Friday, 27 October 2023	Citizen Science Education & Awareness-raising for Research Performing Organisations
Tuesday, 7 November 2023	Citizen Science Support Resources & Infrastructure
Monday, 27 November 2023	Citizen Science Policy & Assessment

If you are interested in attending one or more workshops, please [register here](#).

Participation is free (no refreshments or food will be provided) and all workshops will be conducted in English.

Workshop facilitators: [Kristian H. Nielsen](#) and [Gitte Kragh](#)







 [www.time4cs.eu](http://www.time4cs.eu)

 [time4cs@apre.it](mailto:time4cs@apre.it)

#TIME4CS



# Thank you for your attention !

*Kristian H. Nielsen & Gitte Kragh  
Aarhus University  
[khn@css.au.dk](mailto:khn@css.au.dk)  
[gitte.kragh@css.au.dk](mailto:gitte.kragh@css.au.dk)*



experiment

Help fund the next wave  
of scientific research

# Voices of food insecurity: Exploring barriers and strategies to healthy food access

By Chris Schaeffbauer, Nina Holtz, Hana Dansky, Ingrid Castro-Campos, Lindsey Loberg, and Joel Marquez

Backed by John Jasper Speicher, Ann Mattson, Becky Boone, Angela Li, Tyler Manser, Emerson Farrugia, Lee Scriggins, Alex Halbleib, David Haddad, Simona Carini, and 12 other backers



**\$1,421**

Raised of \$1,370 Goal

**103%**

Funded on 4/28/16

Successfully Funded

? How does this work?

## What is the context of this research?

Food insecurity is "a household-level economic and social condition of limited or uncertain access to adequate food". By this definition, 17.4 million households in America (or 14% of people) were food insecure in 2014. Food insecurity is associated with obesity, chronic illness, and contributes to continued cycles of poverty.

There has been a call for research that actively engages people facing these issues to improve food access. One way to engage people in this process is through community-based and participatory research (CBPR). These approaches improve "the quality and validity of research by engaging local knowledge and local theory based on the lived experience of the people involved" and aid in translating research into action.

## What is the significance of this project?

Research exploring the diverse, lived experiences of people affected by food insecurity is essential in developing new approaches to improve food access at a community-level. In working together with people affected by food insecurity, we aim to co-create a greater understanding of the challenges people face in getting and preparing food. This will, in turn, spark new ideas for how communities can improve food access.

This project is also significant in that we are using a novel community-based research approach, which we anticipate can be used in other communities. Therefore, an important part of this project will be documenting our research process and the challenges we face. We will share our experiences and protocols, so that others can conduct similar research in their communities.

## What are the goals of the project?

We aim to explore the diversity of experiences associated with food insecurity and identify food access barriers through three activities: qualitative inquiry into the lived experiences of food insecurity, participatory data analysis, and design research.

First, we'll conduct multimedia interviews with 25 people affected by food insecurity. Each person uses a camera phone, which we provide, to record their experiences getting food for 2 weeks. Afterward, we'll discuss their recordings and barriers and facilitators to food access.

Next, we'll host workshops to analyze de-identified interview data to identify common themes.

Lastly, we'll host community design workshops to co-create ideas to improve food access.

In all these activities, we'll work together with people affected by food insecurity.



experiment

# Help fund the next wave of scientific research

## Finding a Cure for Batten Disease

By Charlotte And Gwenyth Gray Foundation

Backed by Liat & Mark Ciardi, Jennifer Lawrence, Gero M Bauknecht, Gary Tekulsky, Barry Hoeven, Lauren Santo Domingo, NORMAN LEAR, GORDON KING, Kirsten M Maltas, Talia Gart, and 18875 other backers



**\$2,641,086**

Raised of \$1,000,000 Goal

**264%**

Funded on 10/24/15

Successfully Funded

? How does this work?

The Charlotte and Gwenyth Gray Foundation

Medicine

Neuroscience

Tax Deductible

DOI: 10.18258/5082



Most funded projects lately have been US\$5000-10000

### What is the context of this research?

Due to their physical and environmental properties, seamounts have been known to act as [biodiversity hotspots](#) and can [host numerous vulnerable marine ecosystem \(VME\) indicator species](#). Despite their abundance and ecological roles, [less than 0.1 %](#) of the world's seamounts have been explored. These vital ecosystems are under threats from [human activities](#) including [unsustainable forms of fishing](#) and deep-sea mining.

We will be developing low-cost deep sea drop cameras using off-the-shelf resources in order to assess the status and biodiversity of the deep-sea areas of the [Manta Bowl](#) seamount, contribute to deep-sea AI, and provide more insights to these ecosystems. Comparison studies with existing low-cost camera system, [Maka Niu](#), will also be conducted.

### What is the significance of this project?

Despite the area being situated inside a [protected area](#), the current zoning allows for potentially damaging activities to occur, including oil and gas shipping and unloading, seismic exploration and [fishing](#).

By identifying critical habitats and collecting baseline information on the current status of biodiversity, unsustainable activities can be managed and regulated to ensure the conservation of these important deep-sea waters.

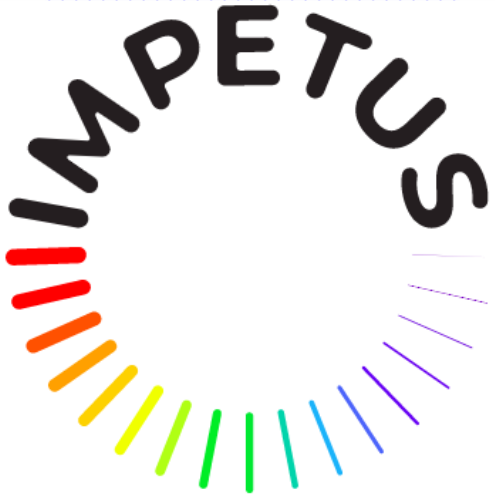
The low-cost, open-source technology will also make deep sea research more accessible to students, early-career researchers and deep sea enthusiasts worldwide, subsequently increasing our knowledge of the deep sea and contributing to the Global Sustainable Development Goals.

### What are the goals of the project?

The goals of the project are to

- 1.) Assess the deep-sea biodiversity and identify critical habitats in the waters of the Ticao-Buris Pass Protected Seascape (Philippines) with particular focus on the Manta Bowl seamount;
- 2.) Develop an efficient and easy-to-use, low-cost, deep-sea camera system, to increase accessibility to deep water exploration and research for local communities and research groups regionally and globally;
- 3.) Provide images from a poorly explored region of the world, to enhance AI and machine learning and support automated data management for the development of large scale deep sea citizen science projects.





- Kickstarting grant
- New project
- €20.000
- 2023 (closed), 2024 (March), 2025
- Different challenges each year

## Let's start with the Accelerator Programme.

It has two grants:

- **Kickstarting grants:** If you start a project, successful applicants will receive €20,000, mentoring and training support to help start your initiative for a period of six months.
- **Sustaining grants:** If you are an ongoing project, successful applicants will receive €10,000, mentoring and training support for a period of six months.

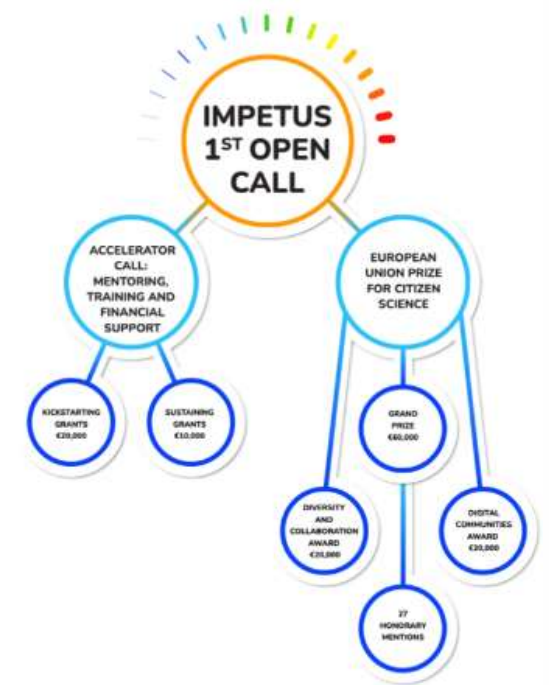
The challenges or topics of this first call are "Healthy planet" and "Cities for life". This means that your project should address and relate to one of these topics.

Who can apply? Individuals, legal entities, and consortia established in a country or territory eligible to receive Horizon Europe grants are eligible to apply. Please note that the geographic eligibility focuses on the European Research Area (ERA), namely the EU Member States, all overseas countries and territories linked to EU Member States and all third countries having concluded or currently negotiating an association status with Horizon Europe.

The funding can be spent on salaries, equipment, consumables, travel, and subcontracting in accordance with [Horizon Europe guidelines](#).

This is a great chance if you are:

- thinking of starting a new citizen science project;
- an ongoing citizen science project looking for support, financial and otherwise, to grow and become sustainable;
- a researcher or a research team seeking to resource a new citizen science project;
- a community interested in co-designing research on the topics related to our challenges: Healthy Planet and Cities for Life
- an organisation in public, private and third sectors exploring the use of citizen science in their work.





The aim of AUFF NOVA is to stimulate courageous and innovative research projects of high quality – projects, which may have difficulties obtaining alternative funding. The project must be pioneering in its field and show clear potential for scientific breakthroughs. The hypothesis or problem behind the project may require development of new methods and it may challenge existing paradigms.

As the foundation wishes the funds from the foundation to benefit as many different researchers as possible, a 1-year waiting period for applicants applies. This means that if the application was rejected in 2022, the applicant cannot apply this year. Also if the application is rejected this year the applicant is not eligible to apply next year. Furthermore, grant holders cannot apply during the period in which they already hold a NOVA grant from the foundation.

In the evaluation of applications, the scientific potential and originality of the project will be weighted higher than the applicant's CV.

In 2023, the frame for AUFF NOVA is DKK 40,000,000 in total.

In 2023 AUFF NOVA includes two types of grants with a slight adjustment of the budget available for each project type compared to previous calls. Priority is given to small projects.

1. **Small projects** (up to DKK 600,000), duration 1-2 years
2. **Large projects** (up to DKK 2,500,000), duration 3-4 years

**Application deadline is Friday 15 September, 2023 at 12.00 noon**

AUFF NOVA is available for all researchers with a permanent position at AU. Tenure track assistant professors are considered permanent staff in this regard. Research leaders in fixed, part-time employment at AU, with concurrent clinical employment at AUH, can also apply. Buy-out/'frikøb' is not granted in this scheme. See more in the [application guide for AUFF NOVA](#).

### Synopsis

The synopsis should include a short description of the project, research questions and hypotheses in relation to current beliefs and contain information on sources, data and methods. Moreover, the project's scientific importance and broader impact must be included. (Maximum of 4800 characters; 2 pages, 1.5 line spacing). One extra page with publication references to the synopsis may be added if needed.

### Project plan

The project plan should give an overview of the project's timeline and work plan. **Milestones and deliveries should include at least one large national or international research grant application.** Moreover, the plan should include the project's future development in terms of content, financing and the planned contribution to talent development. (Maximum of 2400 characters; 1 page, 1.5 line spacing)

### Presentation of the research group

Description of the research group and the competences relevant to the project (Maximum of 2400 characters; 1 page, 1.5 line spacing)

### Recommendation letter

Academic recommendation by head of department or similar must be enclosed (applicant cannot draw up the academic recommendation him- or herself).

### Budget

Specified budget (principal items) for the amount applied from AUFF (maximum 1 page). Project duration is 1-2 years for small projects or 3-4 years for the big projects. Small projects with a maximum of DKK 600,000 in total and large projects up to DKK 2,500,000, in total. It is possible to apply for costs related to project implementation, including salary for staff (typically PhDs or postdoctoral fellows). Please note, that if the budget contains costs related to wages, these must be based on Danish collective agreements and include pension, ATP and holiday payment.

It is possible to apply for apparatus and instruments or necessary remodeling of laboratories if needed for the project. Attach quotes for the specified to the budget file.

It is not possible to apply for salary to the PI/applicant, since Buy-out/'frikøb' is not granted in this scheme.

Overhead is not granted in this scheme.