



Barcelona Citizen Science Office

***Oficina de Ciència Ciutadana
de Barcelona***

Josep Perelló, OpenSystems, Universitat de Barcelona

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Desde 2012

OpenSystems

UNIVERSITAT DE BARCELONA

ENG • ESP • CAT

About | Projects | News | Press | Partners | Team | Contact General

TOWARDS A MULTIDISCIPLINARY PRACTICE WHERE ART AND CITIZEN PARTICIPATION ARE A FUNDAMENTAL PART OF THE WAY HOW SCIENCE IS CARRIED OUT.



Citizen science: education and research Bee-Path
Barcelona, 2016-05-23

mSchools hosts a Bee-Path presentation
Teachers Carlos Giménez (Sant Gabriel, Viladecans), Eva Mateo, Carmen Olivares and Olga Montañá (Enric Borràs, Badalona), Josep López and Miquel Molinas (Regina Carmeli, Barcelona) and

Human Behaviour
Berlin, 2016-05-21

Presenting public experiments to ECSA conference
Julian Vicens presents in European Citizen Science Conference some results about the experience of volunteers in our public experiments through games and

Citizen science: education and research Citizen Science Office of BCNlab
Berlin, 2016-05-20

We explain the case of Barcelona at the session Citizen Science Studies of the ECSA conference
We present the communication "A

We participate in the first European Citizen Science Conference
We are very proud to be present in this first edition with over 350 participants. We are eager to share experiences to all countries in Europe and we few representatives from Australia, United States and



BcnTheLab, 30 nov – 1 dec 2012. Fabra i Coats





- Promote Citizen Science
- Promote Open Data and Multidisciplinarity
- Provide Feedback to Citizens, City as a lab
- Share Experiences and Methodologies among groups
- Enhance the projects growth and improve their quality
- Organize events
- Apply Open Governance rules
- Non-competitive environment and rules



1. OpenSystems UB. Art and participation for Science. Josep Perelló, Mario Gutiérrez-Roig, Isabelle Bonhoure
2. Grup Freshwater Ecology and Management UB. Maria Rieradevall, Narcís Prat, Pau Fortuño
3. Observadors del Mar. Institut de Ciències del Mar (CSIC). Elisabetta Broglio, Joaquim Garrabou, Jaume Piera
4. ICREA-Laboratori d'Ecologia del Moviment (CEAB-CSIC i CREAF). Federic Bartumeus, Aitana Oltra, John Palmer
5. Punt d'Informació Aerobiològica (PIA, UAB). Jordina Belmonte, Concepción De Linares



Direction of Creativity and Innovation
Institute of Culture of Barcelona

recerCaixa

ACUP Obra Social "la Caixa"





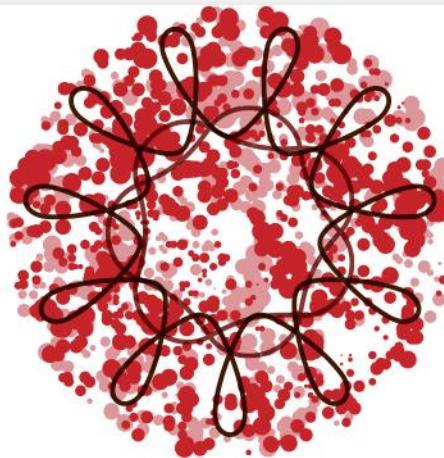
1st Barcelona Citizen Science Day
NOVUM Festival, ICUB, Barcelona City Council
June 2014



2nd Barcelona Citizen Science Day
NOVUM Festival, ICUB, Barcelona City Council
April 2015



BARCELONA CITIZEN SCIENCE DAY



DIA DE LA CIÈNCIA CIUTADANA

3rd Barcelona Citizen Science Day
Centre Cívic Pere Quart Les Corts, ICUB, Barcelona City Council
November 18, 2016



Exhibition Tots Fem Ciència (*We all do science*) @ Palau de la Virreina
NOVUM Festival, ICUB, Barcelona City Council
April-May 2015



Decalogue of the Citizen Science Office of BCNLab

Citizen science is understood to be scientific research carried out, partially or completely, by amateur or non-professional scientists.

Any group wishing to belong to the Office must assent to the following points and be accepted by members of the Office:

1. Projects that will be accepted must involve the creation of new knowledge with the active participation of citizens in at least one stage of the research process. Valid projects under this framework must consider citizens a vital part for the realisation of the proposed research. In return and with the purpose of providing a seal of quality to the Office's projects, these will be posted on the website and included in the Office's catalogue, with a photo, a brief description and a link to the project's website.

2. The projects undertaken must comply with one of these four levels of citizen participation:

Level 1. Crowdsourcing.
Citizens gather or process data.

Level 2. Distributed intelligence.
Citizens interpret data.

Level 3. Participatory science.
Citizens participate in the definition of problems, challenges, objectives and in the collection of data.

Level 4. Collaborative science.
Citizens design, together with scientists, the research to be carried out. This research must have a direct impact on the immediate environment of the citizens and could motivate very specific actions in the city.

Citizen Science

7

4. Participating research groups must share and promote the following resources with the citizen science community:

a. **Volunteer census.** Each group must inform its volunteer scientists that the project is part of the Citizen Science Office and invite them to register on the census of volunteer scientists on the Office's website. The census may be used to communicate the respective projects.

b. **Visibility of the Office.** On each project website the group will have the right and the obligation to include the Citizen Science Office's logo. Therefore each project can benefit from the seal of quality that belonging to the Office portrays and which at the same time contributes to disseminating its existence.

c. **Data resulting from the experiments.** Access plans and protocols must be established that are practical and capable of creating a common repository of open and accessible data.

d. **Programming codes.** The programming codes must be accurately documented (establishing plans and protocols) in order to create a common repository.

5. All citizens participating in experiments and field work must be notified of the results of their research, preferably before anyone else. The Office will help to disseminate these results.

6. The projects must combine strict

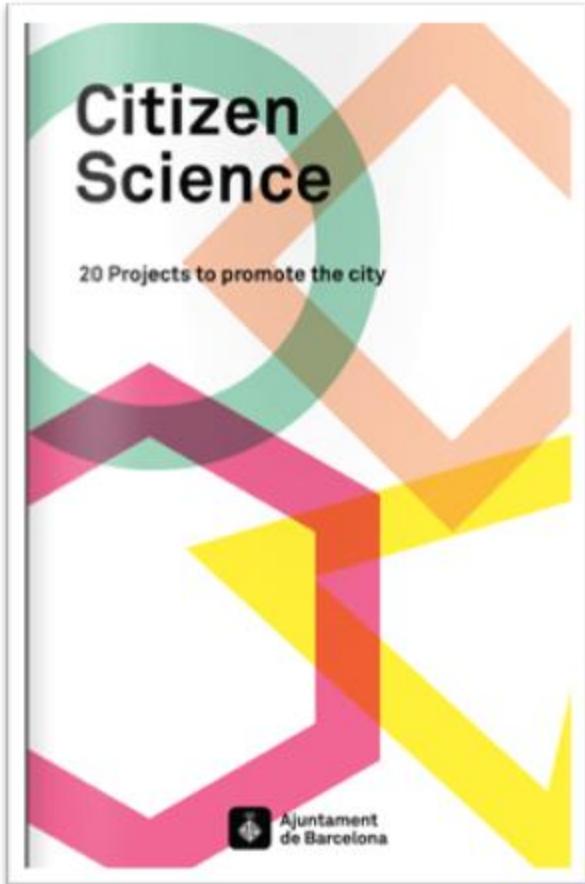
search and innovation (RRI) standards, promoted by the European Union, will be adhered to.

7. In so far as possible, the projects must obey a policy of open data and open code and must follow Creative Commons licenses.

8. On the basis of a sustainable scientific activity, participating groups are committed to searching for common experimental platforms, be they common tools (software and widgets) or experiments designed on the same basis.

9. Participating groups undertake to notify the other groups about the status of their projects and their interests on a bimonthly basis. The Office must notify, facilitate and share opportunities for new experiments with all of the participating groups. The aim is to create an environment of trust that is collaborative and non-competitive. Meetings will be held every six months with all of the members of the Office to promote networking and participatory governance.

10. Multidisciplinary practices will be encouraged so that citizens can experiment with as many disciplines as possible, at least two, at the same time endeavouring that the research has a social and social-environmental impact and is capable of providing guidelines for public policies at a local and national level.



Available at [Issuu.com](http://issuu.com/bcnlabcienciaciudadana/documents/llibret_icub__v.eng)
http://issuu.com/bcnlabcienciaciudadana/documents/llibret_icub__v.eng



ornitho.cat

Convertint centenars de milers d'observacions faunístiques en dades útils per a la ciència i la conservació



AtrapaelTigre.com

Best project(s): Ornitho.cat and special mention to
AtrapaleTigre.com

Best proposal: Veus valencianes

Oficina de Ciència Ciutadana / Founding Members



AtrapaelTigre.com

Movement Ecology Lab
ceab





APPropa't al riu
RIU.net

Acércate al río
y APPrende

APPaching
citizens to rivers

Android and Apple icons

A magnifying glass is focused on a close-up of a river insect (likely a mayfly nymph) against a background of blurred foliage and water.

RIU.net

F. E. M. Freshwater Ecology and
Management
Research Group

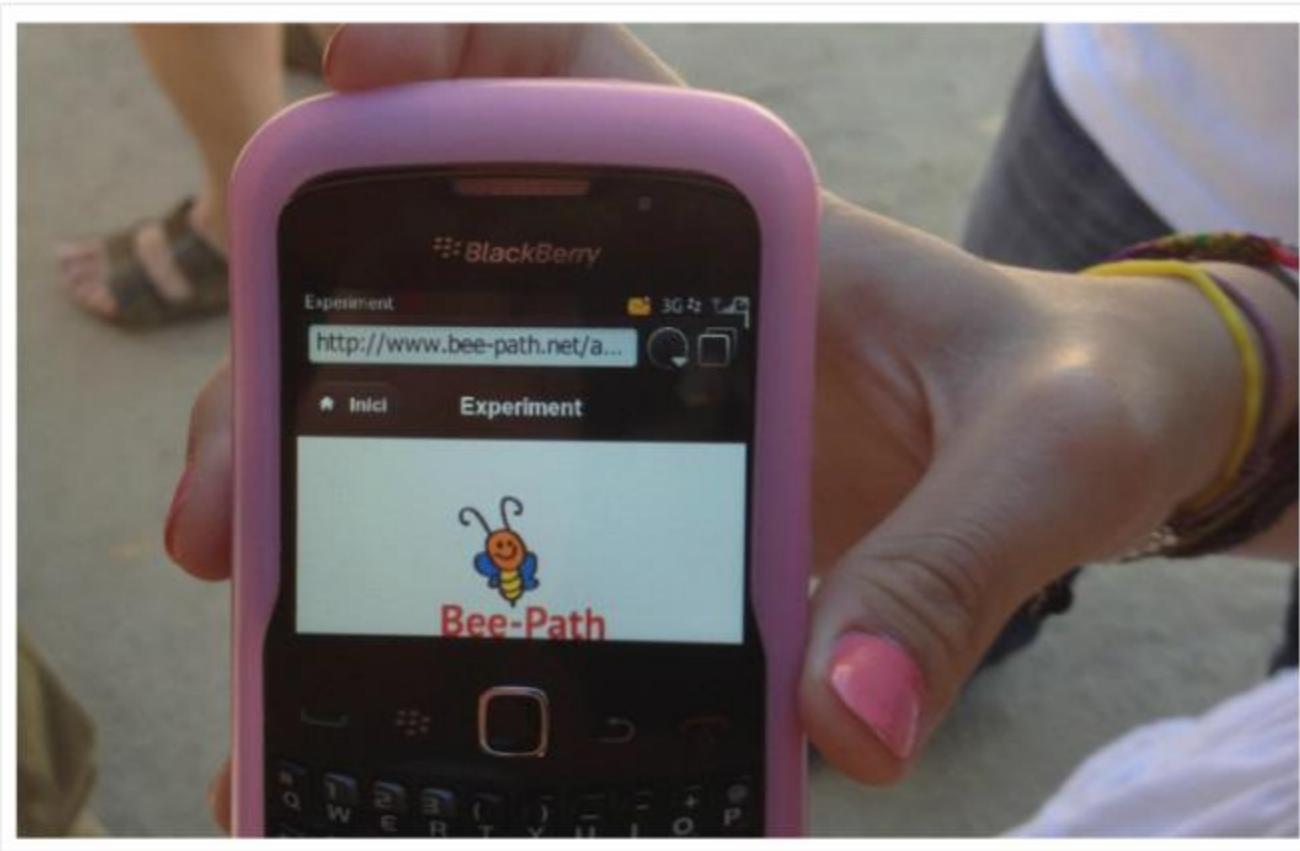
U Universitat
B de Barcelona



Sea Watchers
Observadors del Mar

ICM Institut
de Ciències
del Mar





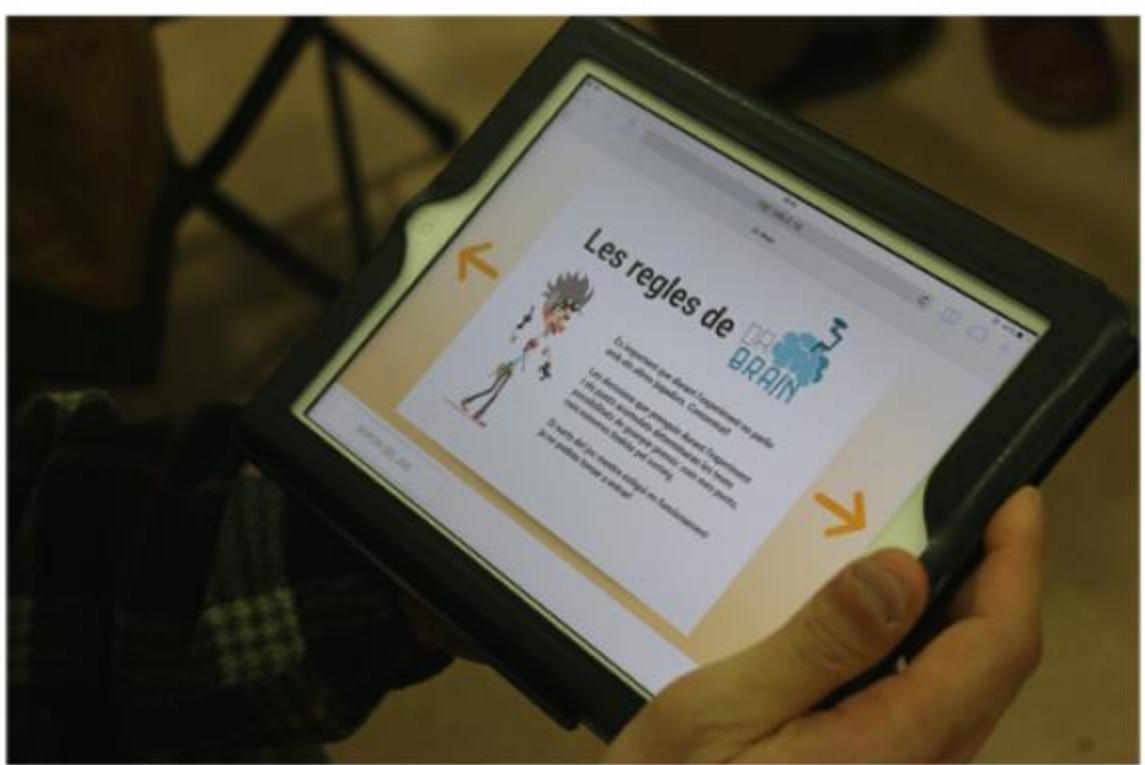
Bee-Path: Experiments on Human Mobility



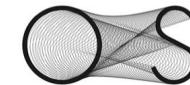
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Human Behaviour & Games



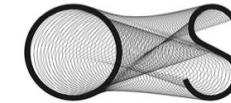
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Urban Bees



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The image displays two side-by-side screenshots of mobile applications. The left screenshot shows the 'PIA' (Punt d'Informació Aerobiològica) app interface, featuring a green background with pollen grains and the text 'PIA Punt d'Informació Aerobiològica'. It includes a 'SKIP INTRO' button at the bottom. The right screenshot shows the 'PLANT-TES' app interface, which includes a map of a city area and a list of plants with their names and descriptions: 'Patanus' (The large tree with the seeds), 'Pantans' (The large tree with the seeds), 'Palmera' (The large tree with the seeds), 'Oliva' (The large tree with the seeds), and 'Ligustrum' (The large tree with the seeds). Each plant entry has three small images below it.

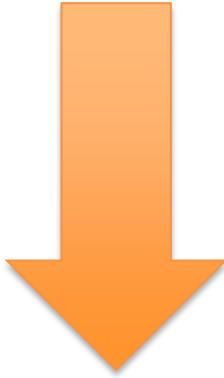
Urban Flora and Allergies



UAB
Universitat Autònoma de Barcelona



Founding Members (5 groups, 7 projects)



Protocol to belong to CS Office

- Follow Guide for new groups
- Ratify Decalogue (Good practices)
- Be accepted by the former members

Actual Members (13 groups, 15 projects)



BioBlitzBCN

nat museu de
ciències naturals
de Barcelona



Saca La Lengua





CITI-SENSE





**iSpex/Barcelona
Respira**

ICFO^R

**The Institute of Photonic
Sciences**



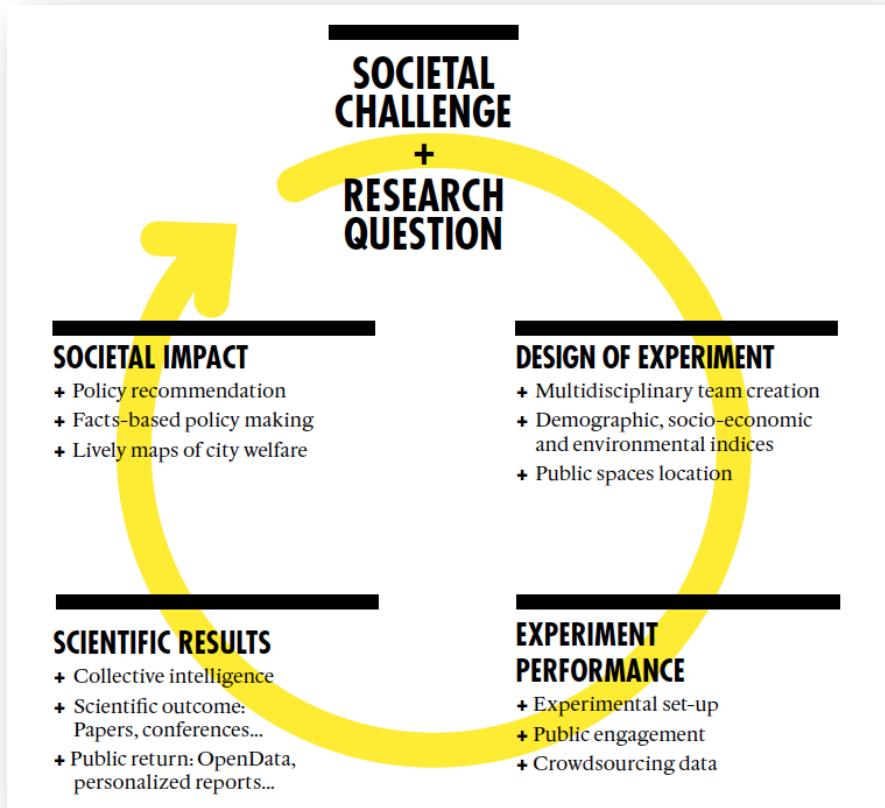
Valencian voices
Veus Valencianes



Centre d'Estudis Demogràfics



Universitat Autònoma de Barcelona





Barcelona
Ciència

EL GUINARDÓ

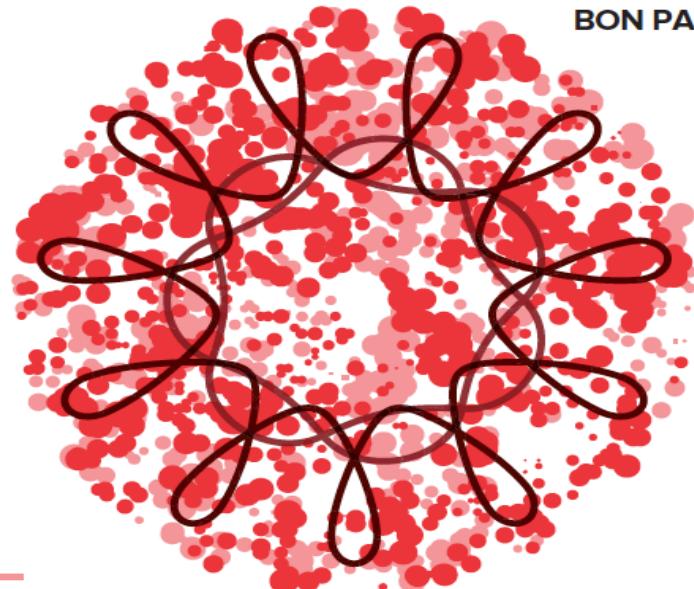
BARÓ DE VIVER

LA MATERNITAT I SANT RAMON

LA NOVA ESQUERRA DE L'EIXAMPLE

LA BARCELONETA

BON PASTOR



CIÈNCIA
CIUTADANA
ALS BARRIS

Un experiment ciutadà per entendre
millor com tractem el planeta



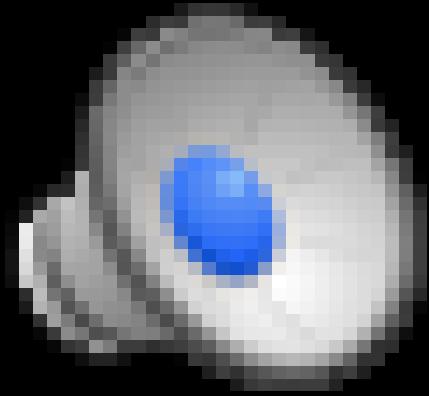
Un Joc-Experiment de:



Una Instal·lació de :

**DOMESTIC
DATA
STREAMERS**

<https://vimeo.com/155801654>

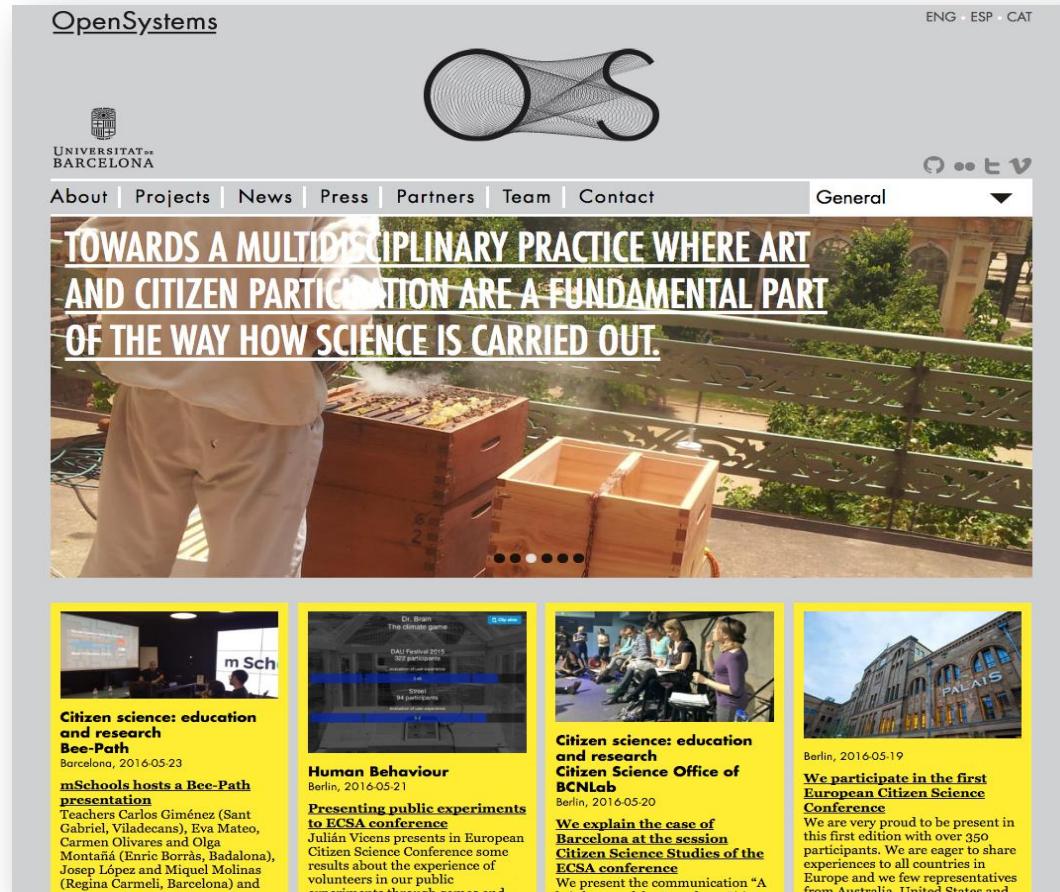


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Desde 2012



The screenshot shows the homepage of the OpenSystems website. At the top, there's a navigation bar with links for About, Projects, News, Press, Partners, Team, Contact, and a dropdown menu for General. The main header features the text "TOWARDS A MULTIDISCIPLINARY PRACTICE WHERE ART AND CITIZEN PARTICIPATION ARE A FUNDAMENTAL PART OF THE WAY HOW SCIENCE IS CARRIED OUT." Below the header, there are four thumbnail images with captions:

- Citizen science: education and research Bee-Path**
mSch, Barcelona, 2016-05-23
- Human Behaviour**
Dr. Brian, DAU Festival 2015, Berlin, 2016-05-21
- Citizen science: education and research Citizen Science Office of BCNLab**
BCNLab, Berlin, 2016-05-20
- We participate in the first European Citizen Science Conference**
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<http://lameva.barcelona.cat/barcelonaciencia/>

@CCiutadana