

COST ACTION CA15212 - BARCELONA CITIZEN SCIENCE TRAINING SCHOOL

# IMPROVING URBAN ENVIRONMENTAL HEALTH BY ALIGNING CIVIC PARTICIPATION AND POLICYMAKING

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**20-26 NOVEMBER 2017 / ESTACIÓ CIUTAT - PASSATGE TRULLÀS**



Estació Ciutat. Photo: Claudia PM Santibáñez

**PRELIMINARY PROGRAMME (NOVEMBER 8, 2017)**



## **CONTEXT: ESTACIÓ CIUTAT - CITY STATION**

City Station is set in the conceptual framework proposed by the engineer and artist Natalie Jeremijenko and is the base for her Environmental Health Clinic in the public space of the city of Barcelona, in the Passatge Trullàs (District of Sant Martí). The Station consists of a series of infrastructures to carry out participatory actions in which the city's people contribute actively to improving environmental health. Activity takes the form of a series of recipes related to improving soil and air quality, or increasing greenery and biodiversity, among other things. With the emphasis on the collective research and public participation that characterise citizen science, the Station has the support of the scientific community and local bodies and organisations. The Oficina de Ciència Ciutadana (Citizen science office) of the Institut de Cultura de Barcelona is also contributing to the project with researchers from all over the world taking part in this collective effort.

City Station - Environmental Health Clinic xBarcelona is also part of the current exhibition After the End of the World in Centre de Cultura Contemporània (CCCB) curated by José Luis de Vicente. The exhibition is about the Earth of 2017 irreversibly transformed into the Anthropocene planet after two centuries of human impact on natural systems. But it is also an exhibition about how we will reach the world of the latter half of the 21st century, and about our society's responsibility to the generations who will be born and grow up in it.

City Station is a coproduction of the Centre de Cultura Contemporània (CCCB) and the Institut de Cultura de Barcelona, the Department of Ecology, Urban Design and Mobility of Barcelona City Council, and the District of Sant Martí. With the collaboration of Taula Eix Pere IV.

Environmental Health Clinic xBarcelona is a project by: Natalie Jeremijenko. Curatorship: Josep Perelló. Direction: Amanda Masha-Caminsals. Space design: Guillermo Santomà. Space production: Torrecilla Espais



## AIMS AND SCOPE OF THE SCHOOL

Within the frame of the City Station and the Environmental Clinic, the school brings a unique opportunity to:

1. Codevelop concrete actions that can have a real impact in the city of Barcelona using citizen science.
2. Be in contact with a list of agencies and entities within the city council of the municipality and increase link between citizen science strategies and policymakers. Representatives of the municipality will be actively engaged in the school.
3. Codesign participatory strategies in combination including artistic practices and a cultural centre fully engaged in improving the environmental health of the city.

We will focus on the creation of how-to strategies and new formulas in relation to:

1. Citizen Science in connection with civic movements
2. Data and observations made by residents to collectively gather evidences
3. Collective actions and building indicators to evaluate their impact
4. Strategies to connect public participation and large scale urban action within the context of environmental health

Main topics will be:

**Urban farming:** Reimagining urban farming that improves the air quality and respond to the commitment of the city of Barcelona to increase the Leaf Area Index based on the COP21 agreement.

**Biodiversity and Green Corridors:** Cities as a place to live by many organisms, a zoo without cages. Cities can be a convivial space.

**Water:** Providing new strategies to handle and clean grey water, as well as to capture atmospheric pollution.

**Waste:** Make current waste management processes visible and provide key strategies to implement a system in which waste is transformed into energy.

**Energy:** An exercise of reimagining how to capture, reuse and transform unexpensive energy already available from Sun and urban resources including mobility of vehicles and pedestrians.

**Mutualism:** To reimagine mutualistic systems design that works for humans but also benefits natural systems. Looking for benefit benefit analysis among humans.



## FORMAT

The school will be grounded on the basis of a mutual learning process where attendants will also teach their colleagues. Mornings will have a strong hands-on component with the building of concrete participatory strategies that can enable a set of evidence-based policies. This will happen in a concrete neighborhood where a very ambitious urban plan to remove cars from city is taking place. Afternoons will provide more reflection and some theoretical background with the presence of several experts coming from the municipality. We will invite several actors including some local residents to provide all perspectives in the actions being developed. We will mostly work in the public space with no rooms and most of the time we will present and share the work with us with no power points and without screens or any digital support.

As possible outcomes, the school plans to:

1. have a publication as an outcome to be submitted to a journal during the months after the end of the school
2. improve current prescriptions the environmental health in Barcelona (visit <http://estaciociutat.org> , coming soon or just look at the list of current workshops: <http://www.cccb.org/en/framework/file/city-station/227726> ).
3. provide new prescriptions that can contribute to improve (visit <http://estaciociutat.org> , coming soon or just look at the list of current workshops: <http://www.cccb.org/en/framework/file/city-station/227726>).

On Saturday, we will test and put into practice the outcomes of the school. We will share experiences and prescriptions to public and invite people to build the there will a final public presentation in Estació Ciutat with the final outcomes of the school.

## RECOMMENDATIONS

Bring your own laptop and bring with you any material, product, device, software that may effectively help to work more effectively once you are in Barcelona.



## SCHEDULE

Depending on weather conditions (too cold or rain), we will work in BAU School just one block away.

### Monday, November 20

<b>10h.</b>	<b>Estació Ciutat.</b>	Wellcome
<b>11h.</b>	<b>Estació Ciutat.</b>	We introduce ourselves, our skills, our motivation and our expectation in 5 minutes. No screen, no power-points.
<b>12:30h.</b>	<b>Estació Ciutat.</b>	Natalie Jeremijenko, Amanda Masha-Caminals and Josep Perelló presents Estació Ciutat and the Environmental Health Clinic. The context, the scope and the contents will be presented and it will be possible to do one or two of the prescriptions provided by the artist.
<b>13:30h - 15:30h.</b>	<b>Nearby Estació Ciutat.</b>	We will go for lunch together if you want. A list of possible places will be provided.
<b>15:30h - 17:00h.</b>	<b>Estació Ciutat.</b>	We will open up discussion and we will split in groups to start working on particular actions within the frame of the Environmental Health Clinic. Session will be dynamized by Enric Senabre (DIMMONS, UOC) who is developing co-creation tools for building citizen science projects.
<b>18:00h - 19:00h.</b>	<b>Centre de Cultura Contemporània de Barcelona.</b>	José Luis de Vicente (curator of the exhibition) will make us a guided tour of After the End of the World and Natalie Jeremijenko will finally present the Beta Station.
<b>19:00h.</b>	<b>Nearby Centre de Cultura Contemporània de Barcelona.</b>	To those who want we can have an informal dinner to better know each other.

### Tuesday, November 21

<b>10:00h - 10:30h.</b>	<b>Estació Ciutat.</b>	We present a local project enrolled in the Environmental Health Clinic.
<b>10:30h - 11:00h.</b>	<b>Estació Ciutat.</b>	We share some ideas and organise the work for the rest of the day.
<b>11:00h - 13:30h.</b>	<b>Estació Ciutat.</b>	We start working in different groups.
<b>13:30h - 15:30h.</b>	<b>Nearby Estació Ciutat.</b>	We will go for lunch together if you want. A list of possible places will be provided.
<b>15:30h - 16:30h.</b>	<b>Estació Ciutat.</b>	We invite a local policymaker focussing on Leaf Area index, Air Quality and COP21 agreement.
<b>16:30h - 18.30h.</b>	<b>Estació Ciutat and Escola BAU.</b>	We work in different groups.



## Wednesday, November 22

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|-------------------------|---------------------------------------|---|
| <b>10:00h - 10:30h.</b> | <b>Estació Ciutat.</b>                | We present a local project enrolled in the Environmental Health Clinic. We will invite local scientists that can effectively contribute in shared concerns by participants.                                     |
| <b>10:30h - 11:00h.</b> | <b>Estació Ciutat.</b>                | We share some ideas and some participants will present a vision form their own country. We organise the work for the rest of the day.   |
| <b>11:00h - 13:30h.</b> | <b>Estació Ciutat.</b>                | We work in different groups.  |
| <b>13:30h - 15:30h.</b> | <b>Nearby Estació Ciutat.</b>         | We will go for lunch together if you want. A list of possible places will be provided.  |
| <b>15:30h - 16:30h.</b> | <b>Estació Ciutat.</b>                | We invite a local policymaker focussing on the Superblocks plan (visit: <a href="http://www.bcnecologia.net/en/conceptual-model/superblocks">http://www.bcnecologia.net/en/conceptual-model/superblocks</a> ) . |
| <b>16:30h - 18.30h.</b> | <b>Estació Ciutat and Escola BAU.</b> | We work in different groups.  |

## Thursday, November 23

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|-------------------------|---------------------------------------|---|
| <b>10:00h - 10:30h.</b> | <b>Estació Ciutat.</b>                | We present a local project enrolled in the Environmental Health Clinic. We will invite local scientists that can effectively contribute in shared concerns by participants. |
| <b>10:30h - 11:00h.</b> | <b>Estació Ciutat.</b>                | We share some ideas and some participants will present a vision form their own country. We organise the work for the rest of the day.                                       |
| <b>11:00h - 13:30h</b>  | <b>Estació Ciutat.</b>                | We work in different groups.  |
| <b>13:30h - 15:30h.</b> | <b>Nearby Estació Ciutat.</b>         | We will go for lunch together if you want. A list of possible places will be provided.  |
| <b>15:30h - 16:30h.</b> | <b>Estació Ciutat.</b>                | We invite a local policymaker focussing on Green Corridors and Biodiversity <sup>1</sup> .  |
| <b>16:30h - 18.30h.</b> | <b>Estació Ciutat and Escola BAU.</b> | We work in different groups.  |

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<sup>1</sup> Barcelona green infrastructure and biodiversity plan 2020:  
<http://ajuntament.barcelona.cat/ecologiaurbana/sites/default/files/Barcelona%20green%20infrastructure%20and%20biodiversity%20plan%202020.pdf>



## Friday, November 24

- 10:00h - 10:30h. Estació Ciutat.** We present the website of Estacio Ciutat made by the collective Domestic Data Streamers.  
<http://domesticstreamers.com>
- 10:30h - 11:00h. Estació Ciutat.** We share some ideas and some participants will present a vision form their own country. We organise the work for the rest of the day.
- 11:00h - 13:30h. Estació Ciutat.** We work in different groups.
- 13:30h - 15:30h. Nearby Estació Ciutat.** We will go for lunch together if you want. A list of possible places will be provided.
- 15:30h - 16:30h. Estació Ciutat.** We invite a local policymaker focussing on Digital City, Public Data and Open Data (visit:  
<http://ajuntament.barcelona.cat/digital/en> ).
- 16:30h - 18:30h. Estació Ciutat and Escola BAU.** We work in different groups.

## Saturday, November 25

- 11:30h-13:30h. Estació Ciutat.** Beta testing and introducing the work done to local citizens and other scientists. Members of the Barcelona Citizen Science Office will be invited.
- 15:30h-17:30h. Estació Ciutat.** Beta testing and introducing the work done to local citizens and other scientists. Members of the Barcelona Citizen Science Office will be invited.

## Sunday, November 26

- 11:30h-13:00h. Estació Ciutat** Beta testing and introducing the work done to local citizens and other scientists. Members of the Barcelona Citizen Science Office will be invited.
- 13:00h-14:00h Estació Ciutat.** Final presentation and debate. Closing event.







## LIST OF ATTENDEES BY NOVEMBER 8 (ORIGIN COUNTRY, COST COUNTRY)

- Albert, Alexandra (GB, GB): School of Social Sciences, University of Manchester
- Alonso, María (ES, GB): Mapping for Change, London
- Bonhoure, Isabelle (FR, ES): OpenSystems, Universitat de Barcelona
- Daher, Carolyn (ES, ES): Urban Planning, Environment and Health Initiative, ISGlobal, Barcelona
- Liu, Jieling (CN, PT): Institute of Social Sciences, University of Lisbon
- Magli, Rossella (BE, BE): Science Officer at the COST Association
- Masha-Caminals, Amanda (ES, ES): Estació Ciutat, Centre de Cultura Contemporània de Barcelona
- Maskell, Gina (US, DE): Environmental Planning, Technische Universität Berlin
- Perelló, Josep: OpenSystems, Universitat de Barcelona
- Ponte da Luz de Sousa, Maria (PT, PT): Architecture of the Metropolitan Territories, Urban Gardening, ISCTE
- Rius Ayra, Oriol (ES, ES): Faculty of Chemistry, Universitat de Barcelona
- Senik, Berfin (TR, TR): Faculty of Forestry, Department of Landscape Architecture, Duzce University
- Thundoo, Melan (GB, GB): Meelan Thundoo, Anthropologist & Socio-economic Analyst, Anthropulse Ltd.
- Troncoso, Andrea (DE, DE): EUSEA, European Association of Scientific Events
- Szuta, Malgorzata (PL, MT): Environmental Resources Authority, Malta
- Weinstein, Zvi (IL, IL): Urban Design Lab research, Tel Aviv University
- Yerli, Ozgur (TR, TR): Landscape Architecture Department, Duzce University
- Zambrano, Perla (MX, ES): Architect, Environmental Science and Technology Institute of Environmental Science and Technology, Autonomous University of Barcelona
- ... and many local citizen scientists.

## LOCATIONS OF INTEREST

### Estació Ciutat

Passatge Trullàs, Districte de Sant Martí Barcelona, 08005 Barcelona

<http://estaciociutat.org>

### BAU, Centre Universitari de Disseny

Carrer de Pujades, 118, 08005 Barcelona [www.bau.cat](http://www.bau.cat)

### Centre de Cultura Contemporània

Carrer de Montalegre, 5, 08001 Barcelona, Espanya [www.cccb.org](http://www.cccb.org)

### Map with all interesting locations (in progress)

[https://drive.google.com/open?id=1TEoMfKL-iTSBuHCEXZ\\_r43jRu9XNQ18P&usp=sharing](https://drive.google.com/open?id=1TEoMfKL-iTSBuHCEXZ_r43jRu9XNQ18P&usp=sharing)

## CONTACT INFORMATION

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