# JULIETA C. ARANCIO

#openhardware  #openeducation  #environmentalsciences  #openscience

## CONTACT

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## PROFILE

I'm a PhD candidate interested in the intersection of Open Source philosophy + STEM as a tool for empowering communities, contributing to knowledge dissemination and generating alternative, more democratic solutions to environmental conflicts.

## SKILLS

- git / GitHub
- R
- Python
- UNIX
- Research
- Data analysis
- Environmental analysis
- Communication
- Teaching / Training

## EDUCATION

### UNIVERSIDAD NACIONAL DE QUILMES (CONICET)
*2016 - Today*
PhD in Science & Technology

### UNIVERSIDAD DE BUENOS AIRES
*2011*
Bachelor's Degree in Environmental Sciences - Graduated with honours

## EXPERIENCE

### FULL TIME RESEARCHER (TODAY)
*Centro de Investigaciones para la Transformación* (CENIT/CONICET)
Topic: Open Source Hardware movement in Latin America and its contribution to democratisation of Technology

### PART-TIME RESEARCHER (2015-2016)
*CENIT - STEPS Hub Latin America*
Member of the project 'Open, Collaborative and Alternative Science: overcoming health, inclusion and environmental challenges in Argentina' funded by the IDRC-Canada (OCSDnet)

### ENVIRONMENTAL OFFICER - LARGE CIVIL ENG. PROJECTS (2013-2015)
*Grupo EMEPA S.A. - Ex FFCC Mitre*
Implementation and control of the Environmental Management Plan for two sections of railroad infrastructure renew, Buenos Aires-Rosario

### JUNIOR TECHNICAL ASSISTANT (2012-2013)
*Organization of American States (OEA) - National Sust. Dev. Agency (SAyDS)*
Methodological proposal, collection, analysis and systematization of bibliographic, cartographic and related databases for the '*Framework Program for the sustainable management of water resources in the River Plate Basin*'

### ENVIRONMENTAL MANAGEMENT SYSTEM COORDINATOR (2011-2013)
*Benito Roggio e Hijos S.A.*
EMS and QMS (ISO 14001 & 9001) for civil engineering companies of Grupo Roggio in Argentina and abroad. *Highlights*: Buenos Aires Subway extension (lines 'E' and 'B'), Underpasses in Ferrocarril Mitre, major national roadworks

### INTERN (2010-2011)
*National Atomic Energy Comission (CNEA)*
Bachelor's thesis: *Sediment quality assessment for the middle-section of Reconquista River basin, Buenos Aires*. Part of project PICT 2007-01216 'Mobilization of pollutants in natural systems' from Science and Technology National Promotion Agency.

### INCIDENTS & CHANGE COORDINATOR (2008-2010)
*IBM Argentina*
Nexus between the customer (Panasonic North America) and technicians located at different IBM sites (Argentina, Brazil, India). Documentation, developing training material and workshops on-site for technicians (NJ, USA).

### LABORATORY ASSISTANT (2007-2010)
*Agronomy College - Universidad de Buenos Aires*
Ad-honorem assistant at Edaphology and Analytical Chemistry labs.

## PROJECTS / ADVOCACY

**OPEN SOURCE HARDWARE GLOBAL MAP (2018)**
*GOSH Community*
Development of a collaborative **map** of open source hardware initiatives

**ETER (2018)**
*R'lyeh Hacklab - Buenos Aires*
The **project** aims to disseminate open source practices among high school teachers by co-prototyping with them an open air quality monitor, publishing open air quality data and documenting the experience in an OER kit.

**MUGRE (2016-2017)**
*FM La Tribu - Buenos Aires*
Co-producer and host at '**MUGRE**' a weekly radio programme on Science & Technology

**PUEBLO A PUEBLO (2015/2016)**
*Buenos Aires*
Volunteer at a local initiative connecting agroecological producers and consumers

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## CONFERENCES & WORKSHOPS

- TECNOx (2018, Chile) - Speaker
- OpenCon 2017 (2017, Berlin) - Assistant
- 1° Workshop Argentino de Ciencia Abierta (2017, AR) - Co-organiser
- 1° MSF Scientific Day América Latina (2017, Argentina) - Speaker
- Introduction to OScience practices CICTERRA/CONICET (2017, AR) - Organiser
- Gathering for Open Source Hardware (2017, Chile) - Assistant
- Jornadas de Producción Abierta y Colaborativa STEPS (2016, AR) - Organiser
- STEPS Centre Summer School 2016 (2016, Brighton-UK) - Assistant
- Jornadas Agroecología MST (2016, Brasil) - Assistant
- V Congreso Latinoamericano de Agroecología SOCLA (2015, AR) - Assistant
- STEPS Latin America launch event (2015, AR) - Organiser

## SCHOLARSHIPS & FUNDING

**MOZILLA OPEN LEADERS (2018)**
14-week online coaching programme for advancing on ETER project

**OPENCON (2017)**
Full scholarship for attending conference in Berlin, Germany

**GLOBAL OPEN SOURCE HARDWARE GATHERING (2017)**
Full scholarship for attending conference in Santiago, Chile

**STEPS CENTRE SUMMER SCHOOL (2016)**
Full scholarship for attending a two-week programme in Brighton, UK

**PHD SCHOLARSHIP -CONICET- (2016)**
Full scholarship for pursuing my PhD

## WRITTEN PRODUCTION

Arancio, J.; Molloy, J. '**The Global Open Science Hardware Roadmap: A Collaborative Effort towards Democratising Science Hardware**', extended abstract Tech4Dev Conference 2018 - UNESCO/EPFL (Lausanne, SZ)

Arancio, J.; Fressoli, M.; Arza, V. '**Datos abiertos y hardware libre: haciauna agroecología siglo XXI**', Leisa Revista de agroecología (in press)

Arancio, J. '**GOSH Roadmap: democratising technology, from a Latin American perspective**', in STEPS Centre Blog, 2018

Arancio, J. '**GOSH Roadmap, o el intento de democratizar las herramientas científicas**', in STEPS América Latina Blog, 2018

Arancio, J.; Sebastian, S.; Schwertz-Weirich, A.; Actis, G.; Cremaschi, A.; Arancibia, F.; Van Zwanenberg, P.; Fressoli, M. '**Relato de experiencia - Workshop internacional de desarrollo abierto y colaborativo**' in Liinc Em Revista, 2018

Arancio, J. '**OpenCon 2017: Des-idealizando lo abierto para una mejor apertura**' in PlanC blog, 2018

Arancio, J. '**OpenCon 2017: Reflections from a GOSHer**' in GOSH blog, 2017

Arancio, J. '**Ciencia Abierta: Hay vida fuera del laboratorio**' presentation at Medicos Sin Fronteras event in Rosario, Argentina, 2017

Arancio, J.; Fressoli, M.; Arza, V. '**Agroecology meets open source technologies**' in OCSDnet Blog, 2016

Arancio, J.; Fressoli, M.; Arza, V. '**Datos abiertos y Hardware libre: Hacia una agroecología siglo XXI**' in STEPS America Latina Blog, 2016