JULIETA ARANCIO

#openhardware #openeducation #environmentalsciences #openscience

PROFILE

I'm a PhD candidate based in Buenos Aires (Argentina) interested in the intersection of Open Source philosophy + STEM education 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

CONTACT

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🐦 @cassandreces

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: S*ediment 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

R'LYEH HACKLAB
Buenos Aires

Organising commitee member at R'lyeh lab a horizontal, feminist hacklab

OPEN SOURCE HARDWARE GLOBAL MAP
GOSH Community

Development of a collaborative map of open source hardware initiatives

ETER
R'lyeh Hacklab - Buenos Aires

A project to co-prototype an open air quality monitor with teachers, publish open data and document the experience in an OER kit.

MUGRE (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

'VAMOS LOS PIBES' (2015)
Buenos Aires

Clarinet & Flute teacher at a local voluntary orchestra for kids (6-12 years old)

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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

Arancio, J.; Cicerone, D. (dir.); Ratto de Miguez, S. "**Evaluación de calidad de sedimentos en la cuenca media del Río Reconquista, provincia de Buenos Aires**". Bachelor's degree thesis, 2011.