

PERSONAL INFORMATION

Rosa Arias



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Chemical engineer with extensive experience in odour pollution and citizen science. She has coordinated the D-NOSES and NEWSERA H2020 projects, and is involved in other projects in the fields of citizen science, science communication, responsible research and innovation. She is the creator of the OdourCollect App (based on a quadruple helix methodology for open innovation) and the CEO and founder of Science For Change, where she works to bring science closer to society for real impact. She is a member of the Board of Directors of the European Citizen Science Association (ECSA) and technical advisor to the Spanish initiative "Ciencia lo Parlamento". She is passionate about the concept of Responsible Research and Innovation (RRI), citizen science and the role of women in science. She has participated in the Training of Trainers (Todo) programme of the JRC Science-into-policy, and also as an independent expert in Mutual Learning Exercise- Citizen Science initiatives- Policy and Practice, Horizon Europe Programme of the European Commission.

PERSONAL STATEMENT

WORK EXPERIENCE

2019 - Present

CEO and Founder

Science for Change, S.L.

- Participation in more than 10 H2020 and Horizon Europe projects: NEWSERA, TRANSFORM, Cos4Cloud, HOOP, ENJOI, Step Change, ECS, IMPETUS, GOLIAT, ANERIS and COALESCE (this last project is in charge of the scientific coordination of the future European competence centre for science communication from April 2023).
- She has coordinated the H2020 projects D-NOSES in citizen science to address odour pollution and NEWSERA in science communication, as well as the Catalan cluster of the TRANSFORM project until December 2022.

2018 - Present

D-NOSES Project Coordinator

Ibercivis Foundation

- Coordination of the D-NOSES project on citizen science and odour pollution. D-NOSES is a citizen science project that addresses odour pollution. In the project, different communities of people affected by odour point out and evaluate odour points through the OdourCollect app, from where they are mapped with the aim of making the problem visible and identifying possible sources of odour emissions. D-NOSES involves public administrations, industries, research institutions and citizens in participatory sessions aimed at co-designing solutions to reduce the impact of odour pollution.

2017 - 2018

POLYBIOSKIN Project Coordinator

IRIS (Innovation and Research in Sustainable Development)

- DAFIA and ECOBULK Projects, in the fields of biobased materials and circular economy

2017

Creator of the OdourCollect App

Through the MyGeoss Project from the JRC.

2016 - 2017

Senior Consultant

- F. Iniciativas.
- 2015 - Present
 - H2020 Proposal Writing in different fields.**H2020 expert proposal and project evaluator**
 in the calls Science with and for Society and SC5
 - 2013 - 2016
 - **Senior odour pollution expert**
 Odournet S.L.
 - Implementation of projects in the field of odour pollution at industrial level. Business development and laboratory coordination.
 - 2010 - 2013
 - **CLIMADAT Project Coordinator**
 Catalan Institute of Climate Sciences (IC3)
 - Climate research for "la Caixa" Banking Foundation
 - 2004 - 2009
 - **Head of the olfactometry area**
 Business Strengths Engineering S.L.
 - Coordination of the first olfactometry laboratory in Spain. Business development and quality assurance.
 - 2003 - 2004
 - **Associate Professor of Chemical Engineering**
 University of Barcelona

EDUCATION AND TRAINING

- 2014 - 2015
 - **Course in Responsible Innovation**
Delft University of Technology.
- 2014
 - **Course in Public Procurement**
ACCIÓ.
- 2014
 - **Course in H2020 European Project Management**
La Salle Business Engineering School.
- 2010
 - **Course in FP7 European Project Management**
Lavic Technologies and Pimec
- 2010
 - **Course in Innovation Management**
Technical University of Catalonia (UPC).
- 2009
 - **Course in Creation of an Enterprise**
Barcelona Activa
- 2001 - 2002
 - **MSc in Energy with distinction**
Heriot-Watt University (Edinburgh)
- 1996 - 2001
 - **Chemical Engineering**
University of Barcelona (UB).

PERSONAL SKILLS

Mother tongue(s) Galician, Spanish, Catalan

Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C1	C1	C1	C1	C1

Levels: A1/2: Basic user - B1/2: Independent user - C1/2 Proficient user
Common European Framework of Reference for Languages

Skills

- Broad research experience in odour pollution, waste, sustainability, circular economy and climate change. Ideation, management and execution of Citizen Science and Science Communication research projects. Broad experience in working at the science-policy interface (local, regional, national and European), following the multi-level governance model created for D-NOSES. Broad experience in interacting with the EC and policy makers at European, national, regional and local levels through the different projects and initiatives that I lead. Organisational, analytical and coordination skills. Open minded and solution oriented entrepreneur with a vision of science to inform policies and improve society, in alignment with citizen interests and concerns to tackle socio-environmental challenges. Broad experience in delivering training, mutual learning and capacity building events through co-creation, and facilitating interactive workshops in all our H2020 projects (now adopted to the online format, with great success).

Driving licence

- B

ADDITIONAL INFORMATION

Publications

- Paolo Giardullo, Federico Neresini, Esther Marín-González, Cristina Luís, Joana Magalhães, Rosa Arias. (2023). Citizen science and participatory science communication: an empirically informed discussion connecting research and theory. https://jcom.sissa.it/article/pubid/JCOM_2202_2023_A01/
- Cristina Luís,a, Inês Navalhas,a Esther Marín-González,b Joana Magalhães,c Rosa Arias,c Paolo Giardullo,d Leire Leguina.(2022). Keeping participants engaged in citizen science projects: the role of science communication strategies. [//efaidnbmnnibpajpcglclefindmkaj/https://pos.sissa.it/418/017/pdf](https://pos.sissa.it/418/017/pdf)
- Magalhães A., Guasch B., Arias R.,Giardullo P., Elorza A., Navalhas I.,Marín-González E. Mazzonetto M., Luis C. (2022). A methodological approach to co-design citizen science communication strategies directed to quadruple-helix stakeholders https://jcom.sissa.it/article/pubid/JCOM_2104_2022_A05/
- Rosa Arias, Nora Salas Seoane, Johana Burbano, Miguel Hernández. Validation of Citizen Observations to Assess the Odour Impact: the Barcelona Case Study of D-NOSES. [//efaidnbmnnibpajpcglclefindmkaj/https://www.cetjournal.it/cet/22/95/021.pdf](https://www.cetjournal.it/cet/22/95/021.pdf)
- Roche J., Arias R., Bell L., Boscolo M., Fornetti A., Knutas A., Kupper F., Magalhães J., Mannino I., Mendoza I., Moreno-Castro C., Murphy K., Pridmore J., Smyth F., Tola E., Tulin M., Weitkamp E. and Wolff A. (2021). Taking Stock and Re-Examining the Role of Science Communication. <https://www.frontiersin.org/articles/10.3389/fenvs.2021.734081/full>
- Elorza A., Leguina L., Lacunza I., Arias R., Magalhaes J. (2021). Re-thinking Science Communication: Take-away Ideas for Citizen Science Initiatives. <https://zenodo.org/record/5533911>
- Sanz García F., Pelacho M., Woods T., Fraisl D., See L., Haklay M., Arias R. (2020). Finding what you need: A guide to citizen science guidelines. Capítulo 21 en el libro "The science of citizen science".
- <https://www.springer.com/gp/book/9783030582777>
- Fraisl, D., Campbell, J., See, L., Wehn U., Wardlaw J., Gold M., Moorthy I., Arias R., Piera J., Oliver J., Masó J., Penker M. and Fritz S. (2020). Mapping citizen science contributions to the UN sustainable development goals. Sustain Sci 15, 1735–1751. <https://doi.org/10.1007/s11625-020-00833-7>
- Capelli L., Arias R., Uribe J., Sironi S. (2019). Overview of odour measurement methods: the odour observatory as an informative tool for citizen science based approaches to odour management, Detritus, 12, 169-175. https://doi.org/10.31025/2611-4135/2020_14003
- Arias, R., Salas Seoane, N. (2018). Advancing Citizens' Observatories for increased sustainability and governance, STSM Report, Cost Action CA15212.
- Arias R., Capelli L., Diaz Jimenez C. (2018). A New Methodology Based on Citizen Science to Improve Environmental Odour Management, Chemical Engineering Transactions, 68, 7-12. <https://doi.org/10.3303/CET1868002>

Oral Contributions in
Conferences and Events

- 2023 Speaker at the round table "Collaboration between research and practice", within the framework of the IX Congress on Social Communication of Science (CCSC2023).
- 2023 Participation in the Validation Workshop in which the conclusions of the Knowledge Valorisation Study were presented to the European Commission and a group of experts where the D-NOSES project was selected as best practice by the EC. Intervention under the title: D-NOSES: Informing policies for Odour Pollution monitoring through Citizen Science
- 2023 Speaker at OLLD23 High-Level Session: Living Labs in Transition: exploring the role of living labs in the quadruple helix.
- 2023 Participation in the round table of the INCENTIVE and TIME4CS EU Policy projects, under the title "Focusing on key policy elements".
- 2023 Speaker at the "2023 MCAA Annual Conference" organised by the Marie Curie Alumni Association. Session titled "Citizen Science and Science Communication: An interconnected path".
- 2023 Speaker at the TetRRIS Final Conference, with the session entitled: "Science for Change: Mainstreaming citizen science to inform responsible policies aligned with society".
- 2023 Intervention in the MLE R&I Foresight, Citizens' Engagement Approaches and Methods in R&I Foresight.

- 2022 - Round table under the title "What is citizen science?" Definitions. Broad consensus, lines of work, ethical codes, common elements. Disagreements, diverging paths, compatibilities, within the course Citizen Science and Universities.
- 2022 - Moderator in the presentation of results to policy at the final event in Rome of the CitiesHealth project, "Shaping the Future of Citizen Science linking Environment and Health", addressing the combination of citizen science and environmental epidemiology and the application of the latter in the field of environment and health
- 2022 - Round table under the title "Researching in the 21st Century", within the course "How to guide research to create socioeconomic impact? Presentation on the experience in citizen science, evidence-based public policies and quality science communication.
- 2022 - Independent expert in Mutual Learning Exercise- Citizen Science initiatives- Policy and Practice, Horizon Europe Programme of the European Commission.
- 2022 - "UNESCO World Higher Education Conference 2022, Dialogues on open science and society, and the role of universities in addressing societal challenges.
- 2021 - JRC, ToT programme on Evidence for Policy (Sept 2021). "How research results can be better communicated to policy makers" (EU Learn event - April 2021). Cycle "How to improve public policies through research" (Catalan Government). Coordination Citizen Science SwafS cluster event (EC & REA). Round table "Commission to boost citizen science and nature" (Catalan Government). "Citizen Science: the vision of SMEs" (We Observe Project).
- 2020 - ECSA Conference. Citizen Science and SDGs Conference. "Citizen Science: the vision of SMEs" (ACTION Project). Workshop SeeRRI project.
- 2019 - European R&I Days: "Citizen Science: The promise of open science for society". Coordination CS SwafS cluster event (EC & REA). International seminar on odours (Colombia). Science Biennial (Barcelona). International Odour Conference (Chile). Sardinia symposium on waste management (Italy). Odours 19 (Portugal). DITOs Project Final event (Brussels). Open Living Labs Day (Thessaloniki). EGU (Vienna).
- 2018 - Working Group of the Parties to the Convention on Access to Information, Public Participation in Decision-Making and Access to Justice in Environmental Matters: Presentation of a statement on D-NOSES (Geneva). Workshop on Citizen Science in Environmental Monitoring (Ispra, JRC). SwafS Brokerage event (Brussels). NOSE Conference (Italy). IFAT Eurasia (Turkey). IFAT Europe (Munich). "Proposals to improve odour pollution management" (event at the Italian Parliament, Roma). Presentation of D-NOSES at an industrial event organized by AEAS (Spanish Association on Water Sanitation, Barcelona). 5th smart urban policy futures workshop (University of Greenwich, UK). Workshop of the NewHoRRlzon project. Nucleus Conference. Barcelona Olfactory Congress. ECSA Conference.

Awards and recognitions

- 2022 - "Premio A Mujer Profesional Autónoma" to the Barcelona Territorial Management awarded by CaixaBank, in recognition of the professional excellence of self-employed women..
- 2022 - "eWoman Igualdad" Awards for commitment to the effective equality of women and men in the professional, business and academic spheres, awarded by El Periódico de Cataluña in conjunction with Prensa Ibérica.
- 2022 - Selected as one of the Top 100 Women in Social Enterprise by the Euclid Network (EN)
- 2021 - Prismas Casa de las Ciencias Prize for Dissemination, best singular project by OdourCollect

Memberships

- Member of the Board of the European Citizen Science Association (ECSA)
- Member of the Citizen Science and Nature Commission (Generalitat de Catalunya)
- Member of the Culture Sectorial Board of the City Council of L'Hospitalet de Llobregat (Barcelona)
- Member of the Spanish initiative "Science in the Parliament" to create an office that provides scientific evidence for the formulation of policy proposals
- COST Action in Citizen Science