

This Manifesto was created by the Open and Collaborative Science in Development Network (OCSDNet), a research community composed of twelve researcher-practitioner teams from Latin America, Africa, MENA and Asia.

WHY A MANIFESTO?

Today, networked technologies are enabling collaboration in scientific knowledge production, raising questions about who gets to participate in and benefit from science. This offers us an unprecedented opportunity to highlight global inequalities in knowledge production and reaffirm the principles guiding science.

This manifesto is a result of eight months of constructive debate among OCSDNet members including scientists, development practitioners and activists. Through projects grounded in a variety of fields including health, climate change, education, law, and the DIY movement, OCSDNet members are exploring the scope of Open Science as a transformative tool for development.

While we have witnessed a growing interest in the concept of Open Science, a critical reflection of the underlying values has been absent from existing discussions. The aim of this Manifesto is to make explicit the underlying ideology that motivates our work and to invite debate around the values at the core of a more inclusive open science by asking the following questions:

PARTICIPATION AND REPRESENTATION

Who participates in knowledge production processes? Whose voice counts in science?



KNOWLEDGE

Who benefits from knowledge? How does knowledge production reproduce inequalities?



TECHNOLOGY AND ACCESS In what ways can technology be used to increase participation and agency in scientific production?

SPRINCIPLES

Through OCSDNet, we have learned that inclusive open science is mostly a process of constant negotiation and reflection. There is no singular "right way" to do open science, and the process will always differ by context. We offer these seven principles as a foundation upon which to deliberate and realise a more inclusive notion of science in development.

WE SCIENTISTS, DEVELOPMENT ACTIVISTS, PRACTITIONERS,

PROPOSE OPEN& COLLABORATIVE SCIENCE...

Enables a knowledge commons

Knowledge grows when shared and thus knowledge should be envisioned as a **commons**. Open and Collaborative Science strives to bridge the distance between people's well being and the knowledge science creates. To do so, science needs to create mechanisms and incentives that enable individuals to decide how their knowledge is used, shared, governed and managed to address local development needs.



Addresses the role of power and inequality in knowledge production and sharing

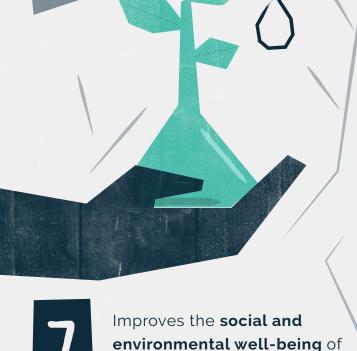
We recognize that unrestricted knowledge sharing can have undesired effects in certain communities. Practicing **situated openness** helps us understand how context, power relations and structural inequalities condition scientific production and knowledge sharing. Open and Collaborative Science fosters the use of frameworks, mechanisms and tools that enable all social groups to voice and define the conditions under which their knowledge can be shared and used.



collaboration between scientists and social actors

In Open and Collaborative Science, scientists

partners to create new knowledge, by means of citizen labs, hacker and makerspaces, science shops, community research centres, and other initiatives. We believe that developing trust and appreciation for each other's know-how, skills and lived experiences is key for fostering a spirit of co-creation and social innovation.



In Open and Collaborative Science, sustainable development is not only an end goal, but part of our process. We believe the primary responsibility of science is to improve the wellbeing of our society and planet through knowledge. Open and Collaborative Science wants to create the relationships, capabilities and opportunities that enable people to put social and environmental needs at the center of the scientific research agenda

and co-create sustainable, locally relevant, and innovative solutions to the complex development challenges of our generation.

our society and planet



2 Integrates diverse scientific traditions and ways of knowing

We cannot achieve global social justice without **cognitive justice.** Open and Collaborative Science recognizes the value of plurality and diversity in science, and the right of diverse understandings of knowledge and knowledge-making to co-exist in scientific production. It considers all individuals as actors who are able to deploy their capabilities to use, share and create knowledge. Cognitive justice is a condition for a more just and fair science.



Creates opportunities for participation at all stages of the research process

In Open and Collaborative Science, citizens,

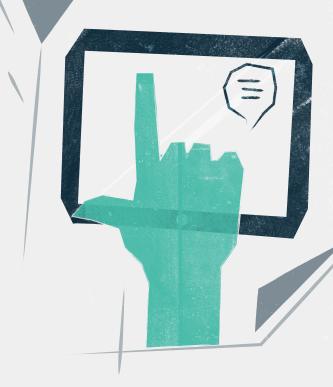
community members and civil society from diverse backgrounds and cultural contexts have the **right to research** and are welcome to participate at all stages of the research process as equal partners and decision makers. Meaningful participation builds the research skills of individuals outside of academia, bringing more perspectives, methods and worldviews into the scientific process.



Incentivizes the design of inclusive infrastructures

The current infrastructure, tools, platforms,

softwares and technologies we use in science often exclude people with disabilities and limited digital rights. Open and Collaborative Science relies on affordable, accessible and independent open-source technologies that include and engage actors who do not usually get to partake in the scientific process. We promote the design of affordable and inclusive tools and technologies that enable diverse actors of af all abilities to make, create and use tools to access scientific knowledge.

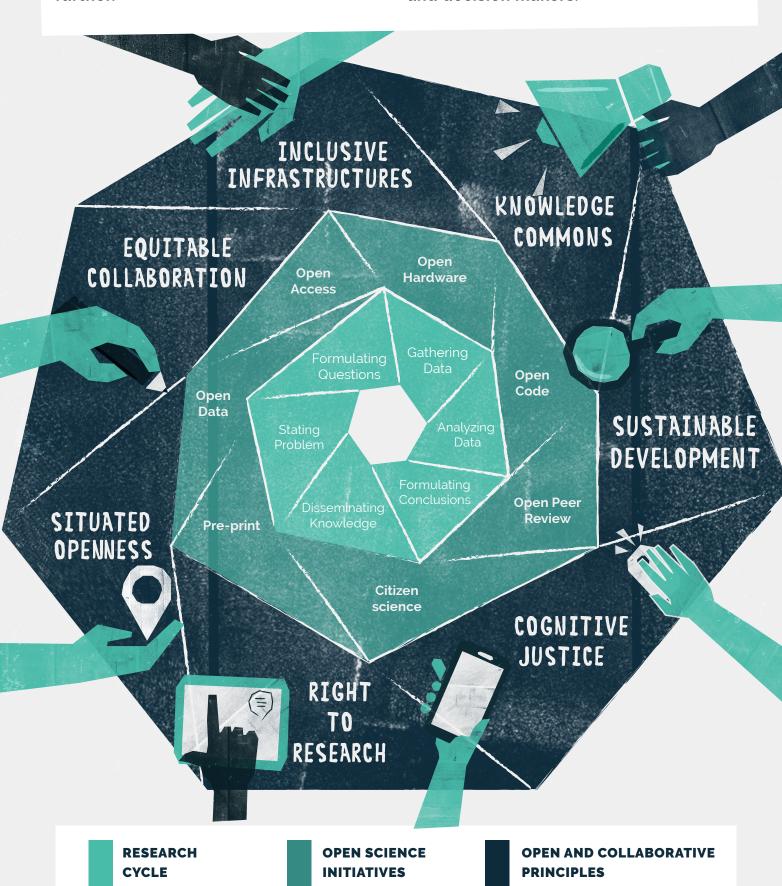


THEBIGGER PICTURE

Towards an Inclusive Open Science

The set of values and principles we put forth in this document are not new - they have been explored, researched and advocated for by many thinkers, activists and advocates in the past. With this Manifesto, we want to invite people from diverse backgrounds continue to questioning the produce way we challenge knowledge and boundaries and norms in science even further.

While the turn towards openness has already created plenty of opportunities for collaboration, expanding access to research tools, data and publication -we can do better. The potential of Open and Collaborative Science lies in the processes of participation it encourages and the way it equips people with the skills and tools they need to be part of scientific production as equal partners and decision makers.



We believe this is the ultimate goal: an inclusive science that not only meets the material and intellectual needs of society but that improves our well-being, achieves social justice and empowers every individual to use knowledge as a pathway to the sustainable development of their communities



If you share this vision for a more inclusive Open Science- or seek to challenge it - join the conversation. Follow us on Twitter and Facebook at a OCSDNet and visit our website: www.ocsdnet.org





