

Open Science Manifesto

Towards an Inclusive Open Science for Social and Environmental Well-being

Open & Collaborative Science Manifesto



At OCSDNet, we engaged in a participatory consultation with scientists, development practitioners and activists from 26 countries in Latin America, Africa, the Middle East and Asia to understand what are the values at the core of open science in development. What we learned is that there is not one right way to do open science. It requires constant negotiation and reflection, and the process will always differ by context. But we also found a set of seven values and principles at the core of their vision for a more inclusive open science in development. This video describes the 7 principles that we believe constitute a more open and inclusive science in development.

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Transcript of Manifesto Video

Network-based collaboration is allowing us to re-imagine scientific research as a more open and collaborative process. This is inspiring many **open science initiatives** :

Open access is encouraging scientists to share their data and research online.

The **open-source hardware movement** is promoting the independent design of technology.

And **citizen science projects** are inviting the general public to help scientists collect large amounts of data.

However, this model is not making science a more **inclusive and representative** practice.

Many scientists around the world continue to be **underrepresented and excluded** from scientific research

New technologies continue to exclude those with **limited digital rights**.

And citizens rarely get to **shape the research agenda**.

This model of open science is not challenging the **core values** of science. Instead, it is reproducing and amplifying global inequalities in scientific research, defeating its purpose of making science more *open*.

We need to ask ourselves what **values** have been absent from existing discussions.

To whom does knowledge **belong**?

Whose **voice** counts in science?

And how can we increase people's **participation and agency** in scientific production?

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What we learned is that there is not one right way to do open science. It requires constant **negotiation and reflection**, and the **process will always differ by context**.

But we also found a set of **seven values and principles at the core** of their vision for a more inclusive open science in development.

At OCSDNet, we propose that Open and Collaborative Science...

Principle 1: Enables a **knowledge commons** where every individual has the means to decide how their knowledge is *governed and managed* to address their needs

Principle 2: It recognizes **cognitive justice**, the need for *diverse* understandings of knowledge making to co-exist in scientific production

Principle 3: It practices **situated openness** by addressing the ways in which *context, power* and *inequality* condition scientific research

Principle 4: It advocates for every individual's **right to research** and enables different forms of *participation* at all stages of the research process.

Principle 5: It fosters **equitable collaboration** between scientists and social actors and cultivates *co-creation* and social innovation in society

Principle 6: It incentivizes **inclusive infrastructures** that empower people of *all abilities* to make, and use accessible open-source technologies.

And finally, open and collaborative science:

Principle 7: strives to use knowledge as a pathway to **sustainable development**, equipping every individual to improve the *well-being* of our society and planet

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 @OCSDNet (<https://ocsdnet.org/members/ocsdnet/>), and visit our website: www.ocsdnet.org.

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MANIFESTO RESOURCES

SEE ALL (<https://ocsdnet.org/resources-category/open-science-manifesto/>)

Manifesto Methodology (<https://ocsdnet.org/wp-content/uploads/2015/04/Manifesto-Methodology.jpg>)

Manifesto Editable Reading List (https://docs.google.com/document/d/1lxx_wXiyTTMMvTjHUal323Xgzca4lO3OzwsAJNNr2ug/edit)

Manifesto Reading List (<https://ocsdnet.org/wp-content/uploads/2015/04/OCS-Manifesto-Reading-List.pdf>)

Manifesto Infographic (French) (<https://ocsdnet.org/wp-content/uploads/2015/04/Manifesto-Infographic-French.pdf>)

Manifesto Infographic (Spanish) (<https://ocsdnet.org/wp-content/uploads/2015/04/Manifesto-Infographic-Spanish-1.pdf>)

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MANIFESTO BLOG

LATEST UPDATES • SEE ALL (<https://ocsdnet.org/category/open-science-manifesto/>)

Power and Inequality in Open Science Discourses

NOVEMBER, 21 2017

These are Denisse Alborno^z (OCSDNet Research Associate, and Knowledge GAP volunteer) speaking notes for her presentation at the ...

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(<https://ocsdnet.org/power-and-inequality-in-open-science-discourses/>)

Principles and practice in open science: Addressing power and inequality through “situated openness”

OCTOBER, 5 2017

By Cath Traynor and Laura Foster Summary OCSDNet's Open and Collaborative Science Manifesto proposes a set of seven values and ...

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(<https://ocsdnet.org/principles-and-practice-in-open-science-addressing-power-and-inequality-through-situated-openness/>)

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