

2023 Summit on Accelerating the Adoption of Open Science: Closing Statement

In celebration of the 2023 Year of Open Science, CERN and NASA jointly organized “Accelerating the Adoption of Open Science”, a week long open science summit at CERN in Geneva, Switzerland, from 10 to 14 July 2023. This event brought together a diverse range of attendees to exchange experiences, ideas, and expertise; promote open science policies and practices; and develop practical action plans to implement open science practices that are fit for both context and purpose.

As key members of the research ecosystem, we aspire to advance discovery; promote responsible and ethical practices; foster a vibrant future within and across disciplines and geographies; train, support, and nurture current and future generations of researchers; facilitate research rigor, integrity, reproducibility, and reusability; elevate science as a global public good; and expand diversity, equity, inclusivity, and accessibility. To these ends, and acknowledging that there are differences across disciplines, geographies, and communities, we affirm our support for the open and timely sharing of, and participation in, research, science, and scholarship as a key enabler of these core values. We commit to accelerating the transition to a more open, participatory, equitable, robust, and sustainable research ecosystem by developing context-specific guidance on the following:

- Sustaining open research infrastructure, including but not limited repositories and tools that enable machine readability, machine actionability, and data mining.
- Supporting training opportunities and resources to current and next generation researchers on effective open research, science, and scholarship practices, including, but not limited to data and software management plans, preregistration, data sharing, preprinting, and self-archiving of papers and other research outputs such as hardware designs, software and code.

- Aligning funding opportunities and recognition schemes to promote a culture of open research, science, and scholarship.
- Engaging with colleges, universities, non-academic based research entities, and labs to develop effective means for evaluating and rewarding effective open research, science, and scholarship practices, particularly for the purposes of hiring, review, tenure, and promotion.
- Promoting direct links and facilitating alignment among open research, science, and scholarship; broader societal impacts; diversity, equity, inclusivity, and accessibility; community engagement; and organizational missions.
- Engaging with the broader research community – including governmental agencies, public research funders, academic institutions, philanthropic organizations, professional societies and associations, publishers and industry, and others – to align values, policies, and procedures in a manner that harmonizes, catalyzes, and scales open research, science, and scholarship practices.
- Fostering a culture of evidence-based open research, science, and scholarship in which measurements and lessons learned related to specific open research, science, and scholarship practices and policies are shared rapidly and widely.

Additionally, we commit to working within our organizations and communities to develop public plans articulating the steps we will take to facilitate open research, science, and scholarship. While such plans may necessarily vary by approach, scope, and timeline in accordance with organization missions, we intend to share progress in a timely and public manner.

With these commitments, we participants of the Summit on Accelerating the Adoption of Open Science affirm our collective mission to take swift strategic action

that leads to accelerating widespread adoption of equitable open research, science, and scholarship throughout the world.

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