

US Office of Science and Technology Policy (OSTP)
2013 & 2022 Public Access Memo Comparison

Section	2013 Holdren Memo	2022 Nelson Memo
Embargo Period	Use a 12-month post-publication embargo period as a guideline for making research papers publicly available	Papers will be made freely available and publicly accessible by default in agency-designated repositories without any embargo or delay after publication
Agencies Covered	Agencies with R&D budgets over \$100 million	All agencies with extramural R&D budgets OSTP is working with the US Office of Management and Budget (OMB) to determine what additional federal agencies and sub-agencies are covered under this new policy.
Publications	Peer-reviewed manuscripts	Peer-reviewed manuscripts, peer-reviewed book chapters (not full monographs), editorials, and peer-reviewed conference proceedings published in other scholarly outlets that result from federally funded research.
Scientific Data	Digitally formatted scientific data resulting from unclassified research supported wholly or in part by federal funding should be stored and publicly accessible to search, retrieve, and analyze. Ensure that all extramural researchers receiving federal grants and contracts for scientific research and intramural researchers develop data management plans.	Update or create new policies for immediate access to research data associated with peer-reviewed publications at the time of publication. Develop approaches and timelines to share all the data from funded projects, not just the data that underlies peer-reviewed publications. Federal agencies will draft guidance for researchers on appropriate repositories for the sharing of research data. These repositories should be in alignment with the National Science and Technology Council (NSTC) Desirable Characteristics of Data Repositories for Federally Funded Research .
Format	Standards, widely available and, to the extent possible, nonproprietary archival formats for text and associated content (for example, images, video, supporting data) Provides access for persons with disabilities consistent with Section 508 of the Rehabilitation Act of 1973	Formats that allow for machine-readability and enabling broad accessibility through assistive devices

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Metadata	<p>Ensure full public access to publications' metadata without charge upon first publication in a data format that ensures interoperability with current and future search technology.</p> <p>Where possible, the metadata should provide a link to the location where the full text and associated supplemental materials will be made available after the embargo period.</p>	<p>Persistent identifiers for:</p> <ul style="list-style-type: none"> • Federally funded researchers • Sources of funding with metadata linking the agency to the awardee • The research output <p>Metadata to include:</p> <ul style="list-style-type: none"> • All author and co-author names and affiliations • Date of publication • Status of peer review <p>Instruct federally funded researchers to obtain a digital persistent identifier that meets the common/core standards of a digital persistent identifier service defined in the National Security Presidential Memorandum 33 (NSPM-33) Implementation Guidance.</p>
Reuse	—	Plans need to provide for reuse rights and any restrictions.
Cost	Allow the inclusion of appropriate costs for data management and access in proposals for federal funding for scientific research	<p>Allow researchers to include reasonable publication costs and costs associated with submission, curation, management of data, and special handling instructions as allowable expenses in all research budgets.</p> <p>Federal agencies should report to OSTP, when requested...the number of all scholarly publications funded by the federal agencies and any other relevant statistics collected by the agency.</p>
Harmonization	—	<p>The NSTC Subcommittee on Open Science will coordinate among federal science agencies to enhance efficiency and reduce redundancy in public access plans and policies, including</p> <ul style="list-style-type: none"> • Digital repository access • Measures to reduce inequities in publishing of, and access to, federally funded research and data, especially among individuals from underserved backgrounds and those who are early in their careers • Developing procedures and practices to reduce the burden on federally funded researchers in complying with public access requirements • Engagement with stakeholders, including but not limited to publishers, libraries, museums, professional societies, researchers, and other interested non-governmental parties on federal agency public-access efforts • Strategies to make federally funded publications, data, and other such research outputs and their metadata are findable, accessible, interoperable, and reusable, to the American public and the scientific community in an equitable and secure manner
Timeline	—	All plans need to be completed and submitted to OSTP by December 31, 2024, with an effective date of no later than December 2025.