

Open Access Definitions

Budapest Open Access Initiative

Although there are important historical precedents that noted open access advocate Peter Suber outlines in his "Timeline of the Open Access Movement,"¹ the open access movement's "constitutional convention" was in December 2001 at a meeting in Budapest convened by the Open Society Institute. The resulting statement of this meeting, the "Budapest Open Access Initiative," was made public in February 2002. It still stands as the most important definition of open access. The key passage from the BOAI is:

The literature that should be freely accessible online is that which scholars give to the world without expectation of payment. Primarily, this category encompasses their peer-reviewed journal articles, but it also includes any unreviewed preprints that they might wish to put online for comment or to alert colleagues to important research findings. There are many degrees and kinds of wider and easier access to this literature. By "open access" to this literature, we mean its free availability on the public internet, permitting any users to read, download, copy, distribute, print, search, or link to the full texts of these articles, crawl them for indexing, pass them as data to software, or use them for any other lawful purpose, without financial, legal, or technical barriers other than those inseparable from gaining access to the internet itself. The only constraint on reproduction and distribution, and the only role for copyright in this domain, should be to give authors control over the integrity of their work and the right to be properly acknowledged and cited. . . .

To achieve open access to scholarly journal literature, we recommend two complementary strategies.

I. Self-Archiving: First, scholars need the tools and assistance to deposit their refereed journal articles in open electronic archives, a practice commonly called, self-archiving. When these archives conform to standards created by the Open Archives Initiative, then search engines and other tools can treat the separate archives as one. Users then need not know which archives exist or where they are located in order to find and make use of their contents.

II. Open-access Journals: Second, scholars need the means to launch a new generation of journals committed to open access, and to help existing journals that elect to make the transition to open access. Because journal articles should be disseminated as widely as possible, these new journals will no longer invoke copyright to restrict access to and use of the material they publish. Instead they will use copyright and other tools to ensure permanent open access to all the articles they publish. Because price is a barrier to access, these new journals will not charge subscription or access fees, and will turn to other methods for covering their expenses.²

The Bethesda Statement on Open Access Publishing

In April 2003, a second influential meeting was held at the Howard Hughes Medical Institute in Chevy Chase, Maryland. This meeting resulted in the "Bethesda Statement on Open Access Publishing," which further refined the definition of open access. Since the BOAI definition was in place, the Bethesda Statement did not recap all the characteristics of open access literature. Rather, it stated that an open access work meets two criteria:

1. The author(s) and copyright holder(s) grant(s) to all users a free, irrevocable, worldwide, perpetual right of access to, and a license to copy, use, distribute, transmit and display the work publicly and to make and distribute derivative works, in any digital medium for any responsible purpose, subject to proper attribution of authorship, as well as the right to make small numbers of printed copies for their personal use.
2. A complete version of the work and all supplemental materials, including a copy of the permission as stated above, in a suitable standard electronic format is deposited immediately upon initial publication in at least one online repository that is supported by an academic institution, scholarly society, government agency, or other well-established organization that seeks to enable open access, unrestricted distribution, interoperability, and long-term archiving (for the biomedical sciences, PubMed Central is such a repository).³

Note that, in contrast to the BOAI, the Bethesda Statement introduces the use of a license, specifies the creation of derivative works, and requires the deposit of open access works in digital repositories run by "well-established" organizations. The specification of "small numbers of printed copies" for personal use is also new.

Berlin Declaration on Open Access to Knowledge in the Sciences and Humanities

The Berlin Declaration, which was written as a result of the Conference on Open Access to Knowledge in the Sciences and Humanities in October 2003, is very similar to the Bethesda Statement, with only minor additions and word changes in its definition.

1. The author(s) and right holder(s) of such contributions grant(s) to all users a free, irrevocable, worldwide, right of access to, and a license to copy, use, distribute, transmit and display the work publicly and to make and distribute derivative works, in any digital medium for any responsible purpose, subject to proper attribution of authorship (community standards, will continue to provide the mechanism for enforcement of proper attribution and responsible use of the published work, as they do now), as well as the right to make small numbers of printed copies for their personal use.
2. A complete version of the work and all supplemental materials, including a copy of the permission as stated above, in an appropriate standard electronic format is deposited (and thus published) in at least one online repository using suitable technical standards (such as the Open Archive definitions) that is supported and maintained by an academic institution, scholarly society, government agency, or other well-established organization that seeks to enable open access, unrestricted distribution, interoperability, and long-term archiving.⁴