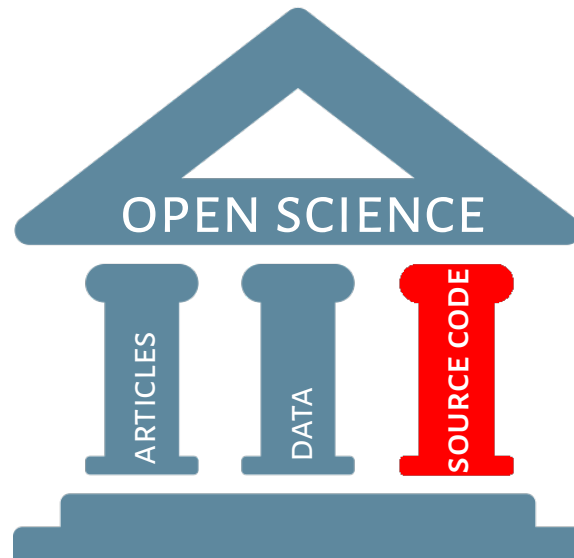




Software Heritage

THE GREAT LIBRARY OF SOURCE CODE

Building the software pillar of Open Science



Policies on software source code in Academia

Making software source code available, with the option of modifying, reusing and disseminating it, is a major requirement to ensure the reproducibility of scientific findings and to support the creation and sharing of knowledge, in keeping with the open science ethos.



– French second national plan for Open Science, July 2021

Open Scientific knowledge [includes] open source software: source code must be included in the software release and made available on openly accessible repositories

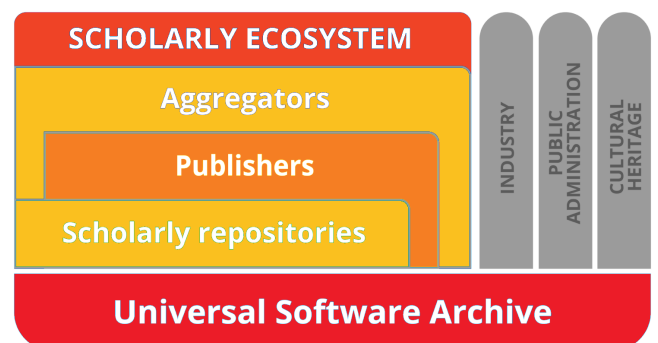


– Unesco recommendation for open science, November 2021

Connecting the scholarly infrastructures with the software ecosystem



Software source code is much more than data, it is a creation of the human ingenuity, and research software needs to be archived, referenced, described and credited in a specific way, with dedicated infrastructures.



Software Heritage

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Fostering Reproducible Research

Most modern scientific results rely on software tools. Availability of the source code of these software tools is one of the prerequisites to ensure that results can be reproduced, understood and trusted. Ensuring transparency of the scientific process is essential as it eases the acceptance of research results.

– Unesco - Paris Call - February 2019

HOWTO archive and reference your code

- 1 Prepare your public repository
README, AUTHORS & LICENSE files
- 2 Save your code
<http://save.softwareheritage.org/>
- 3 Reference your work
(full repository, specific version or code fragment)



Running software, again and again

Partnerships are being established to connect Software Heritage with package managers and build systems, to enable the replication of full blown executables and systems, the ultimate goal of reproducibility.



Software and digital artefacts are key in CEA's mission to transfer knowledge from research to industry. We are honored to stand with the Software Heritage foundation, in commitment to the preservation and sharing of this knowledge.

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Software Heritage

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