



# Software Heritage

## </> Newsletter </>



### Introducing the Software Heritage Newsletter

Staying up to date on the progress of our long term mission.

Source code is special: it's executable knowledge that is meant to be human readable, by design. It's an all time new in human history, and it deserves to become a first class citizen: as [part of cultural heritage](#), as [a pillar of Open Science in the scholarly world](#), as [a key asset for industry and all of society](#).

Back in 2015, we recognized the need for a universal archive to collect, preserve and share the precious technical, scientific and organizational knowledge embedded in software source code, and we found at [Inria](#) the key support needed to starting building the [Software Heritage Archive](#).

Five years later, we have archived [over 120 million projects, and over 8 billion unique source code files](#), we have assembled [a dedicated team](#), brought together [a broad panel of sponsors and supporters](#), opened the doors to [individual donations and contributions](#), and we have established [a strong collaboration with UNESCO](#), that highlights the universality of our mission.



Founders



Platinum sponsors



Golden sponsor



Silver sponsors



Bronze sponsors



Today, we are delighted to introduce the Software Heritage Newsletter, designed to keep you regularly up to date with the progress of the long term universal mission that Software Heritage has undertaken, and to bring you up to speed with the actionable results and services offered by the Software Heritage Archive.

While the regular newsletter will mostly focus on the news, this first edition also features a brief recap of our *mission statement*, and a

selection of *important milestones* since Software Heritage was launched.

Thanks for your interest in this long term mission, enjoy the newsletter, and do not hesitate in sharing [the link to subscribe to it](#).

Roberto Di Cosmo  
Director  
Software Heritage

## OUR MISSION

We collect and preserve software in source code form, because software embodies our technical and scientific knowledge and humanity cannot afford the risk of losing it. Software is a precious part of our cultural heritage. We curate and make accessible all the software we collect, because only by **sharing** it we can guarantee its preservation in the very long term.

### Collect



### Preserve



### Share



Software Heritage will provide solid, common foundations to serve the different needs of heritage preservation, science, and industry.

## YOU CAN HELP!



The Software Heritage archive will serve the needs of the many, from cultural institutions to scientists and industries.

Everyone can help us achieving these ambitious goals and there are several ways to help.



### Becoming a sponsor

Pursuing our roadmap for the archive requires significant resources. We welcome companies, institutions, and individuals who would like to join our sponsorship program and sustain the Software Heritage.

[Discover our sponsorship program!](#)



### Tackle scientific challenges

Building, maintaining, and exploiting the universal source code archive poses relevant scientific challenges. We welcome scientists who would like to contribute to this mission by participating in our research activities.

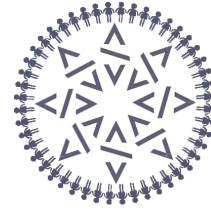
[Join our research community!](#)



### Code with us

All the software we develop ourselves is open source. We welcome contributors that are willing to delve into it and help us building the many components that are needed to make the archive progress towards the next milestones.

[Dive into the code!](#)



### Host a mirror

Institutions and companies from all around the world are welcome to join our mirror program. This is essential to prevent information loss, and will greatly simplify access to humankind's software heritage.

[Contact us to host a mirror!](#)



Discover the growing number of [institutions, organizations and companies that sponsor Software Heritage](#), and those that express support for the [software preservation mission](#). [Take a look at their testimonials!](#)

Individual [donations](#) are also most welcome, in any amount, just click on the button below to give to the mission.

[Donate](#)

## IT'S NEW!



### Citing software with style

Treating software as a first class citizen...  
... and citing it with the biblatex-software style  
[Read more.](#)



### Welcoming Sloan support to expand the Software Heritage archive

Delighted to announce a Sloan Foundation grant to expand the Software Heritage archive! This grant will fund contributions from expert developers, and help broaden the Software Heritage community.

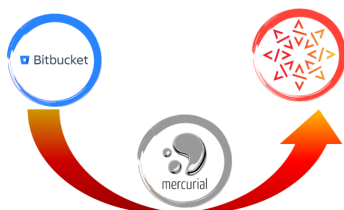
[Read more.](#)



## Growing adoption of Software Heritage Identifiers (SWHID)

We provide Software Heritage Identifiers for the tens of billions of software artifacts:

[Read more.](#)

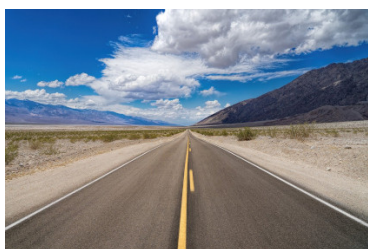


## Rescuing 250000+ endangered Mercurial repositories

We will save all the public Mercurial repositories that will be phased out from BitBucket, in collaboration with the [Octobus](#) team.

[Read more.](#)

## READ OUR LAST ANNUAL REPORT



## Software Heritage in 2019: a progress report

Pursuing our [mission](#) to collect, preserve and share the source code of all software ever written, 2019 was a year of great achievements for Software Heritage.

Today is a good time to talk about what has been accomplished in 2019.

[Read more.](#)

## SELECTED MILESTONES



## Software Heritage sponsors meet at UNESCO's headquarters

At a [meeting organized on UNESCO's headquarters on February 4th 2020](#), we have been delighted to bring together over 30 participants, representing the expanding network that supports our mission, to learn about the progress made so far on Software Heritage's implementation and contribute to the discussion on the next steps and strategic directions for the next years.

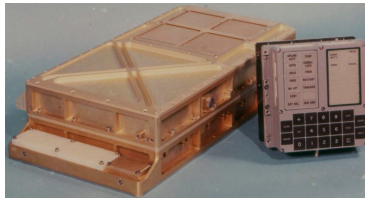
[Read more.](#)

## Curating and archiving landmark legacy source code: you can help!

Collecting and curating landmark legacy source code written by pioneers, guidelines are now available!



[Read more.](#)



### Saving the Apollo 11 source code

Software Heritage archives for the **long term** the software source code of the Apollo Guidance Computer, and providing a means to reference specific fragments of the code that is designed to stand the test of time, using [persistent intrinsic identifiers](#).

[Read more.](#)



### The Paris Call is here: calling for action to sustain Software Source Code!

A shared mission and a continuing collaboration with UNESCO.

[Read more.](#)



### Software Heritage for Open Science

Today we are delighted to welcome [the French Ministry of Research as our first gold sponsor](#), contributing effectively to our efforts.

[Read more.](#)



### Read about us in CACM

[An article published](#) in the October 2018 edition of *Communications of the ACM*.

“[Building the Universal Archive of Source Code](#)” was written by Jean-François Abramatic, Roberto Di Cosmo, and Stefano Zacchiroli. The article includes a video with a presentation of Software Heritage.

[Read more.](#)



### Opening the doors of the Software Heritage archive

The grand opening of the doors of [the Software Heritage archive](#) to the public ([presentation](#)). You can look at what we archived, exploring the largest collection of software source code in the world: [you can explore the archive](#)

[right away.](#)  
[Read more.](#)



### Raising awareness for Software Source Code preservation and access

At Unesco's headquarters in Paris, a formal partnership agreement has been signed between Unesco and Inria to establish a framework for collaboration on preserving the knowledge embedded in software source code.

[Read more.](#)



### Announcing the Software Heritage Graph Dataset

We are delighted to announce that the first public dataset encompassing the entire *Software Heritage graph* is now available.

[Read more.](#)



### ENEA, Software Heritage's Italian mirror


[ENEA \(ICT Division of Energy Department\) has joined our mirror program and will establish in its research center in Bologna the first Italian mirror of Software Heritage](#), keeping a full replica of the archive, which now contains more than 6 billion unique source files.

[Read more.](#)

#### Features

 Search

 Vault

 Save code now

### You can "save code now"!

Software Heritage is now open for your source code submissions!

Search engines use something called a Web crawler to systematically "crawl," or look through, the Web in order to create indexes that can be searched through. In order to populate the [Software Heritage Archive](#) we also use a crawler.

[Read more.](#)



### Welcoming FossID as the first member of the Software Heritage mirror network

[FossID](#), has [decided to work with us to establish the first independent mirror of the Software Heritage archive](#), a very important step forward in making Software Heritage a resilient common infrastructure.

[Read more.](#)

*Thank you for your attention!*



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