RÉPUBLIQUE FRANÇAISE
Liberté
Égalité
Fraternité

Inria

GenOA week 2026

INRIA OPEN ACCESS POLICY AND FRENCH INFRASTRUCTURES

Alain Monteil, DCIS-IES, INRIA

Dual supervision: Higher Education and Research + Industry

Scientific Excellence: A strong focus on **technology transfer** and **societal impact**.

3,800 scientists, 237 project teams, 9 centers, 1 headquarters, and 1 center in Chile

Broadly covers computer science and applied mathematics

No aim for exhaustivity: strategic priorities Many themes at the interface with other disciplines Impact, for example, on publishing practices

In strategic fields

- **Artificial intelligence**
- **Cybersecurity**
- **Cloud computing**
- **Software Science**
- **Digital transformation in healthcare**
- **Digital technologies for defence**
- **Quantum computing**
- **Digital technology and the environment**
- **Digital twins and high-performance computing**

Inria


Centre Inria de Paris
Centre Inria de Saclay
Centre Inria de l'Université de Rennes
Centre Inria de l'université de Bordeaux
Antenne Inria de l'Université de Montpellier
Centre Inria d'Université Côte d'Azur
Centre Inria de l'Université Grenoble Alpes
Centre Inria de Lyon
Antenne Inria de l'Université de Strasbourg
Centre Inria de l'Université de Lorraine
Centre Inria de l'Université de Lille
Université de Lille
Université de Rennes
université PARIS-SACLAY
SORBONNE UNIVERSITÉ
PSL
Université Paris Cité
UNIVERSITÉ DE LORRAINE
Université de Strasbourg
INSA
Lyon 1
UGA Université Grenoble Alpes
université BORDEAUX
UNIVERSITÉ DE MONTPELLIER
UNIVERSITÉ CÔTE D'AZUR

- **Key Figures (2025):**
- **6,354 publications on HAL, with 93% in open access.**
- **332 software projects.**
- **24 datasets hosted on *Recherche Data Gouv*.**

Scientific Culture and Information Department (DCIS)

•Composed of three services:

- Scientific Education (Learning Lab).
- Scientific Mediation (MS).
- **Scientific Information and Publishing (IES).**

•Mission: Implementing an ambitious open science policy for years, supported by the IES service.

•.National Engagement:

- Active participation in **CoSO**, **Couperin**, **COARA**, and **EOSC**.
- Governance of key infrastructures: **HAL+**, **Istex**, **Software Heritage (SWH)**, **Collex-Persée**, *Recherche Data Gouv*.

Why a Scientific information policy

Support for researchers in the management and **dissemination** of their **scientific research Publications, data, software, methods** At the service of science and society

Impact

Visibility, Citability, Measurement

Scientific transparency Proof

Comparison

Reproducibility

Quality

Formats, metadata, authorities

Budgetary control

Subscriptions, publication costs, investments

Guaranteeing our (digital) sovereignty

Creation of a corpus of our research productions

Sustainable public infrastructure

text and data mining

monitoring

Inria's Open Science Policy: Publications

- **Green Open Access Mandate**: Since **2015**, all Inria research team publications must be deposited in **HAL** with a Creative Commons license.
- **HAL Inria Portal** (inria.hal.science): Exclusive source for teams' annual activity reports.
- **Metadata Enhancement**: IES moderates repositories and corrects metadata to improve data quality.
- **IFIP Digital Library**: Managed by IES since **2010** (ifip.hal.science), with **22,000+ documents**.
- **APC Policy**: Centralized management by IES since **2016** (only for **fully open access journals**; hybrid journals are rejected).
- **Publish-and-Read Agreements**: Limited participation, evaluated for alignment with open science principles.
- **Diamond Publishing**:
  - **Episciences**: Hosts **15 overlay journals** in *Computer Science* and *Applied Mathematics*, and ***2*** *in Mechanical Engineering*.
  - **HAL Collections**: Encourages the creation of editorialized collections for research reports, conference proceedings, or books.

https://www.inria.fr/en/open-science-inria-role

Inria's Open Science Policy: FAIR Publishing

- **Diamond Model**: Support for **no-cost publishing** (for readers and authors) since **2014**.
- **Episciences Development**: Active collaboration with **CCSD** to improve the platform.
- **Editorial Support**: Assistance for journals in *Computer Science*, *Applied Mathematics*, and *Mechanics* adopting the diamond model.

Inria's Open Science Policy: Publish-and-Read Agreements & Bibliodiversity

- **Evaluation Criteria**: Agreements are assessed based on their **open science trajectory** (e.g., via **Couperin Consortium**).
- **Long-Term Support**: Backing for open science initiatives like:
- **SMAI journals** (Subscribe-to-Open model).
- **Mir@bel platform** (directory of French diamond journals).

French Open Access Infrastructure for publications with CCSD

CCSD

EPIsciences overlay journals

Diamond Overlay Journal

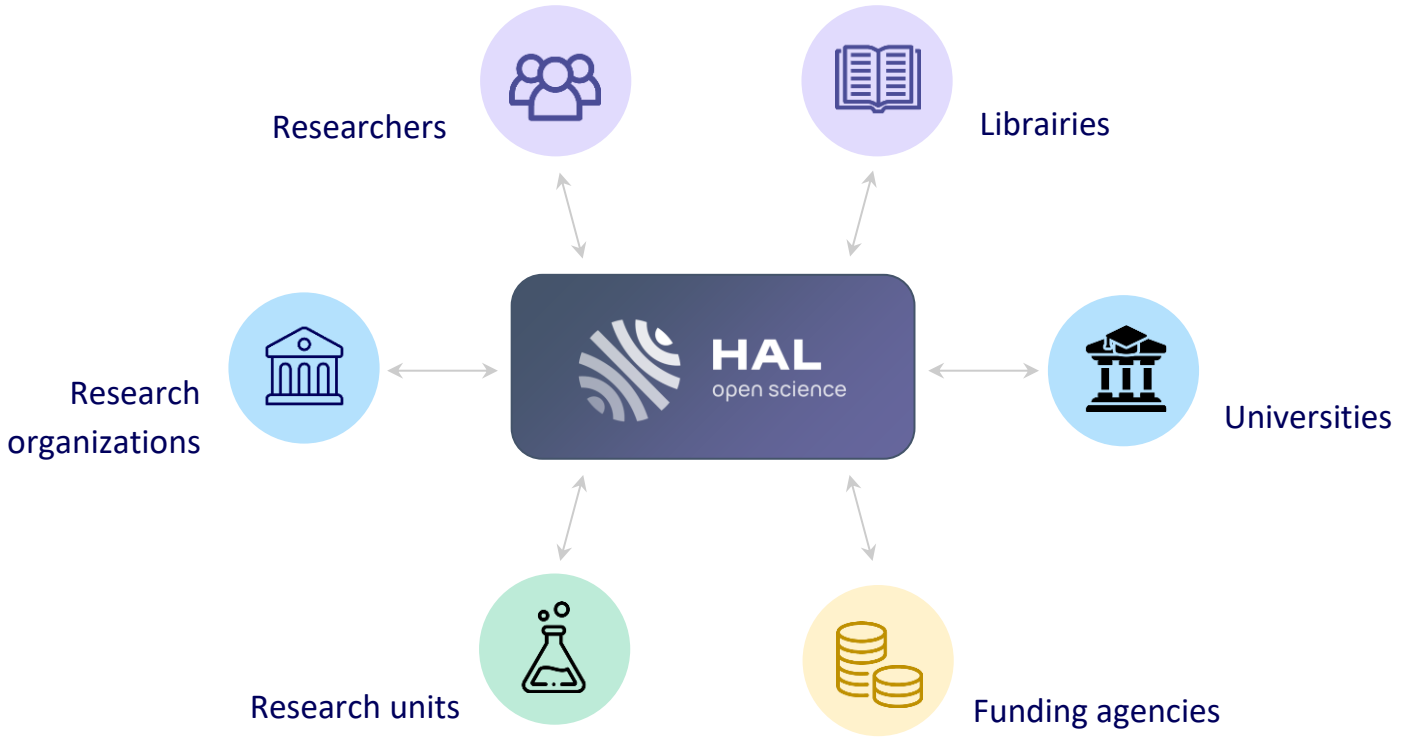
25 2001-2026 HAL 25 ans de science ouverte

Open Repository

sciencesCONF conference management

Open access Conference

HAL: at the heart of the French research ecosystem



Collecting - Enriching - Curating - Connecting

A **community-driven** infrastructure for collecting, enriching and curating research metadata

Key Figures

1.7 M
Full-text Documents

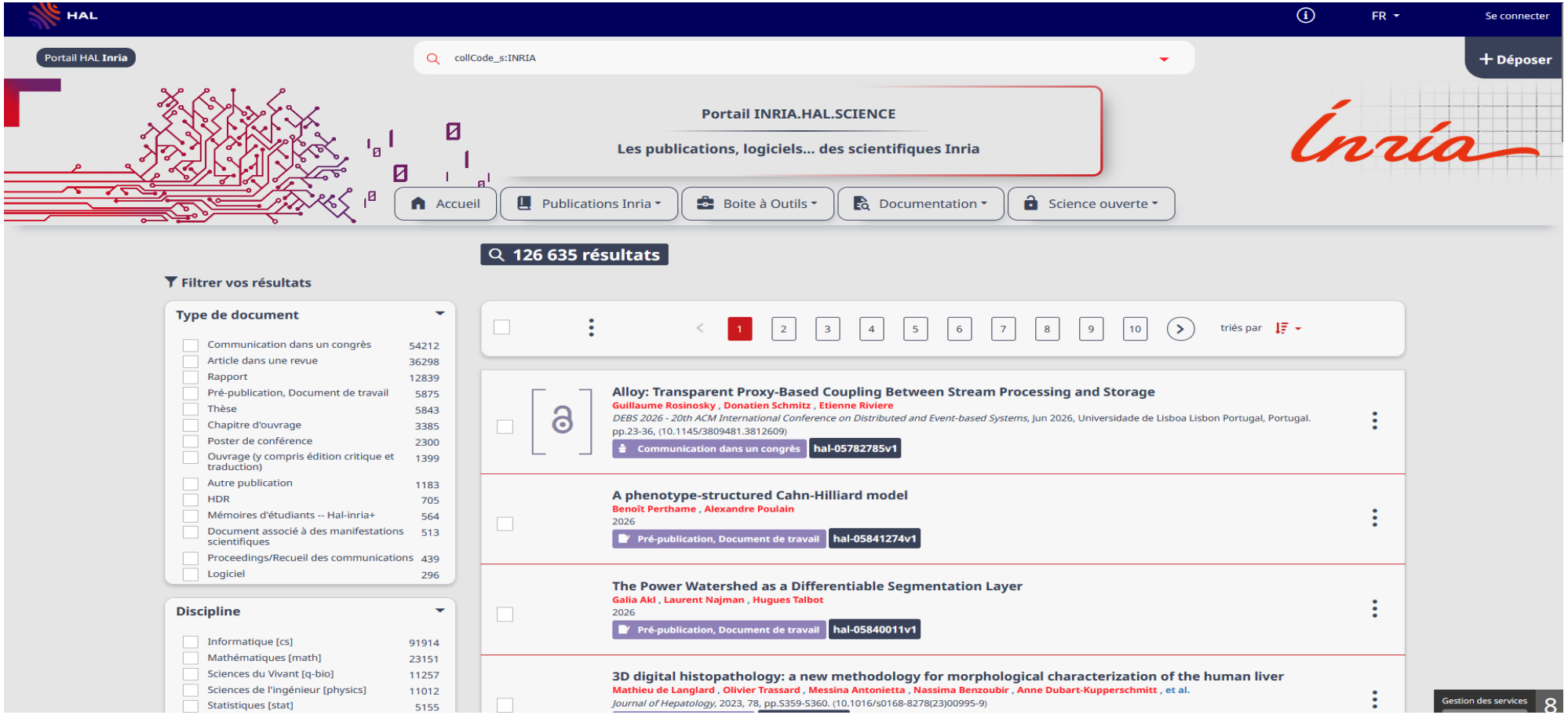
160,000
New deposits in 2025

157
institutional portals

125,000+
Active Users / Year

© CCSD

Hal Inria Portal (https://inria.hal.science/)



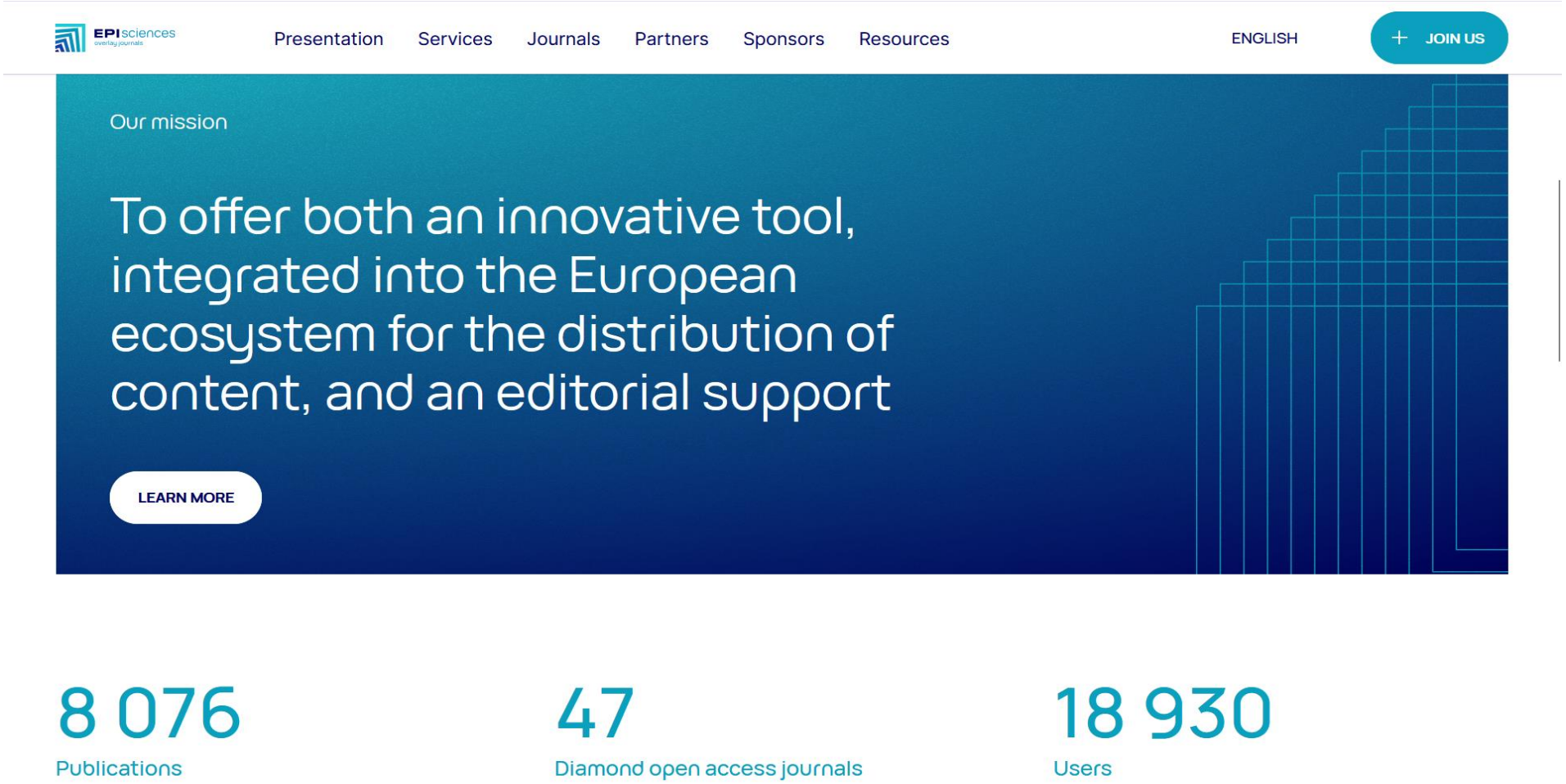
Inria open science Policy : FAIR Publishing

- **Since 2014, Inria has been supporting alternative publishing models, in particular according to the Diamond principles (no cost for readers or authors)**
- **IES Service actively contributes to the improvement of the Episciences tool with the CCSD. He supports editorial boards in the fields of computer science, applied mathematics and mechanics that wish to adopt the diamond model**
- **IES service encourages the creation of editorialized collections on HAL for research reports, conference proceedings or books...**



EPI sciences
overlay journals

EPIsciences : https://www.episciences.org/



© CCSD

EPIsciences
overlay journals
+ Create account
Sign in

OVERLAY
Journal of Theoretical, Computational and Applied Mechanics
JTCAM
DIAMOND OPEN ACCESS

Aims & Scope

Aims

The *Journal of Theoretical, Computational and Applied Mechanics* is a scholarly overlay journal, provided on a Fair Open Access basis, without cost to both readers and authors (Diamond Open Access). The Journal aims to select publications of the highest scientific calibre in the form of either original research papers or reviews.

Scope

The focus is placed on contributions of fundamental importance in the broad domain of solid mechanics, mechanics of materials and structures. The journal aims to achieve a balance between theoretical, numerical, applied and experimental research. While rooted in mechanics, the journal strives to bridge to a broad range of scientific disciplines beyond engineering, namely applied mathematics and numerical methods, materials science, applied physics and geophysics. Topics of interest include, but are not limited to

- mechanics and physics of solids and materials
- experimental mechanics
- computational methods in mechanics, mechanics of structures
- theoritical mechanics and applied mathematics to mechanics
- constitutive modelling: plasticity, damage and fracture mechanics
- data-driven mechanics and modeling, machine learning techniques, uncertainty quantification in mechanics
- non linear dynamics and non-smooth dynamics: impact, wave propagation and vibration
- and oriented based articles on bio-mechanics, geo-mechanics, composites, multi-body systems, fluid-solid interaction, mechanics of interfaces. ...

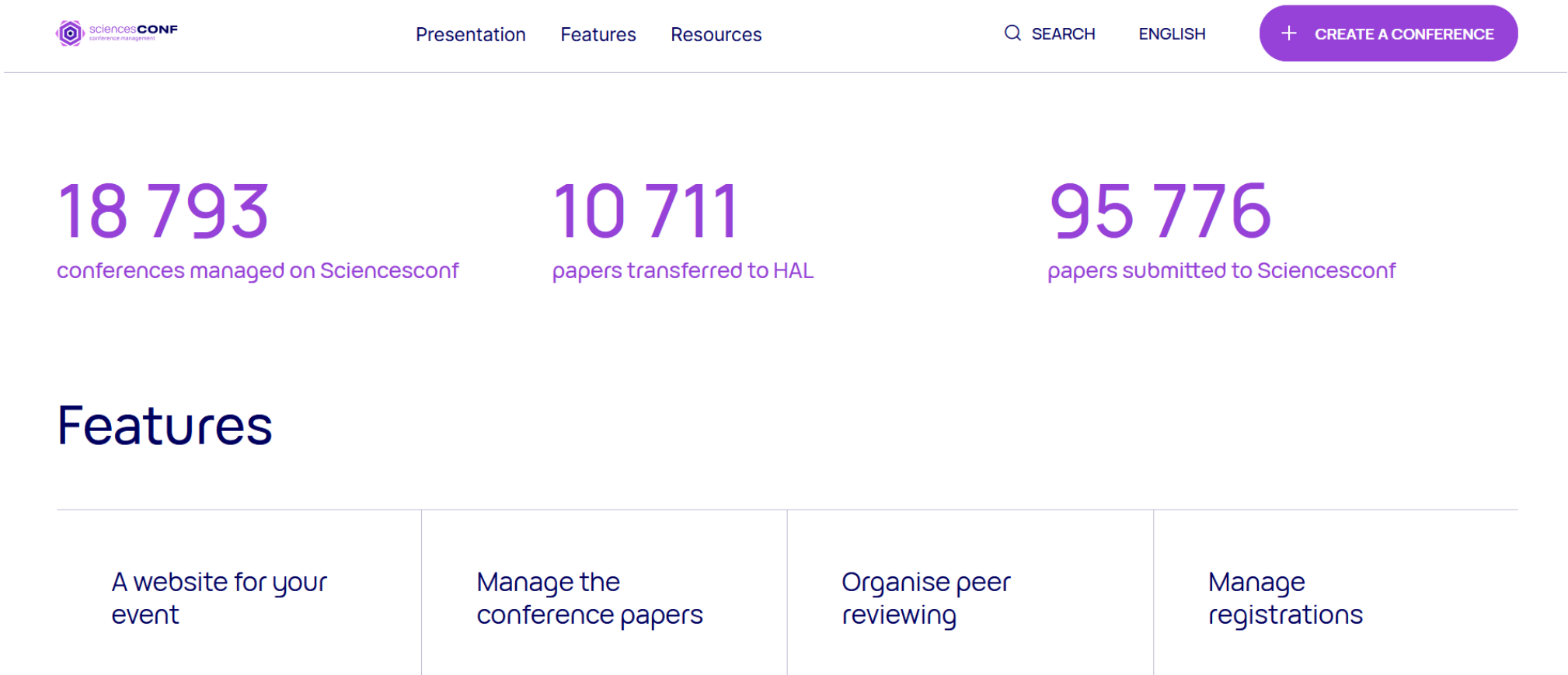
The journal also invites articles of an expository nature. These should be clearly identified as such on submission and in the abstract to ensure appropriate review. Data and software papers are also welcome. There is no page limit for expository articles. Other articles should be of length commensurate with the scope of their original contribution.

Fair open access

In terms of governance, the journal is committed to the principles of Fair Open Access:

1. JTCAM is owned and controlled by the scholarly community as outlined in the Constitution.
2. The authors retain copyright of their works, which are published under a standard open access license as outlined in the Editorial Policy.
3. All articles are assigned a DOI and are freely available to the public at no cost for the authors.

SciencesConf : https://www.sciencesconf.org/en/



© CCSD


SSH-Inria: Dialogue between Social Sciences and Humanities (SSH) and Computer Science and Mathematics
Paris (France)
Login
MAIN MENU
Home
Program
Registration
pratical Information
Speakers
HELP
@ Contact
Dialogue between Social Sciences and Humanties (SSH) and Computer Science and Mathematics
The SSH - Inria thematic workshop on 6 February 2026, entitled 'Dialogue between Social Sciences and Humanities (SSH) and Computer Science and Mathematics', aims to bring together researchers in the social sciences and humanities from Inria and other institutions with researchers in mathematics and computer science from Inria and other institutions to discuss a number of topics, including :
- understanding dark patterns in digital services from a transdisciplinary perspective,
- the different approaches to interactions between humans and digital technologies, in particular AI systems and models,
- the safety, interpretability, auditability and explainability of digital technologies, in particular of AI systems and models.
This thematic workshop, which will take place at the Inria Research Centre in Paris, 48 rue Barrault, is open to all researchers interested in these interdisciplinary topics.
Registration deadline: 4 February 2026
Registration is free but mandatory. Proof of identity is needed to access the workshop venue.
There will be no video transmission.
Lunch time is free.
Privacy | Accessibility: non-compliant
CCSD

Inria's Open Science Policy: Research Software

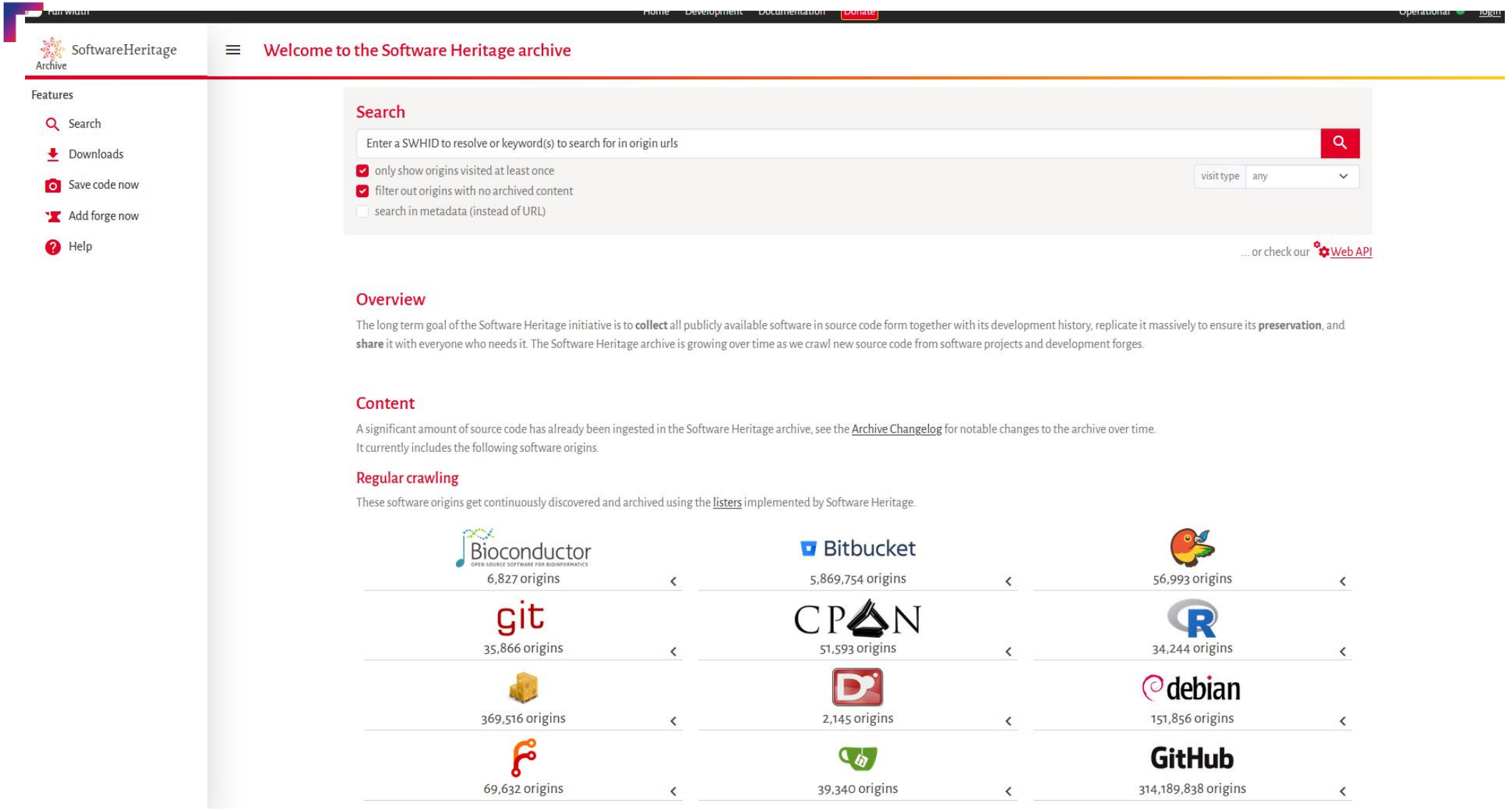
- **Since 2018, open source codes can be deposited in HAL. This offer is the result of a collaboration between Inria, Software Heritage and the CCSD.**
- **Inria supports Software Heritage in its heritage mission to preserve codes.**
- **IES Service supports scientists in good practices for describing software and the adoption of the CodeMeta "standard".**

Software Heritage
THE GREAT LIBRARY OF SOURCE CODE

Do we already have your code?

We harvest publicly available source code from many software projects and keep up with development happening there. As of today our archive already contains and keeps safe for you:

Source files 30,376,798,880 **Commits** 6,228,714,378 **Projects** 448,570,422


Full width
Home
Development
Documentation
Donate
Operational
login
SoftwareHeritage
Archive
Welcome to the Software Heritage archive
Features
Search
Downloads
Save code now
Add forge now
Help
Search
Enter a SWHID to resolve or keyword(s) to search for in origin urls
only show origins visited at least once
filter out origins with no archived content
search in metadata (instead of URL)
visit type
any
... or check our Web API
Overview
The long term goal of the Software Heritage initiative is to collect all publicly available software in source code form together with its development history, replicate it massively to ensure its preservation, and share it with everyone who needs it. The Software Heritage archive is growing over time as we crawl new source code from software projects and development forges.
Content
A significant amount of source code has already been ingested in the Software Heritage archive, see the Archive Changelog for notable changes to the archive over time.
It currently includes the following software origins.
Regular crawling
These software origins get continuously discovered and archived using the listers implemented by Software Heritage.
Bioconductor
6,827 origins
Bitbucket
5,869,754 origins
56,993 origins
git
35,866 origins
CPAN
51,593 origins
34,244 origins
369,516 origins
2,145 origins
debian
151,856 origins
69,632 origins
39,340 origins
GitHub
314,189,838 origins

Inria's Open Science Policy: Research Data

- Since 2021, **Data Management Plans (DMPs):** Support for writing DMPs via **Opidor** (institutional space with recommendations).
- IES service offers researchers assistance in sharing and opening up research data to ensure their **preservation**, **visibility**, **access** and **reproducibility**.
- **Recherche Data Gouv**: Inria manages an institutional collection and advises on **trusted repositorie**s (avoiding commercial publishers).
- **Collaboration**: Involvement in **Data Management Clusters** with universities.

DMP OPIDoR

RÉPUBLIQUE FRANÇAISE
Liberté
Égalité
Fraternité

recherche.data.gouv.*fr*

Inria

RÉPUBLIQUE FRANÇAISE
Liberté Égalité Fraternité

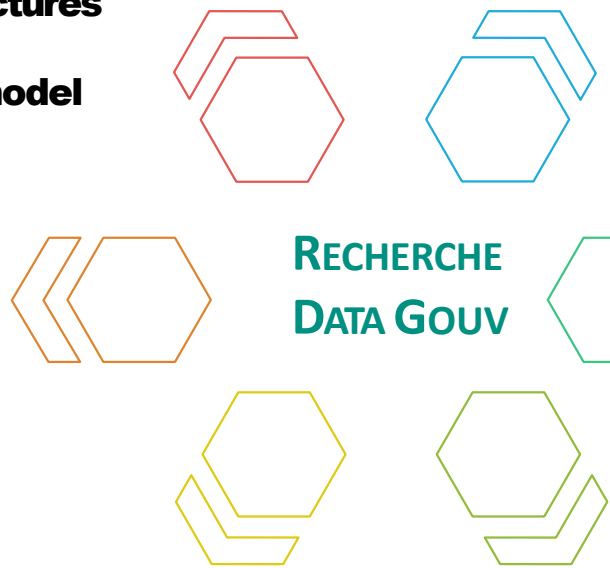
recherche.data.gouv.fr

A collective construction, shaped by the needs of the French research community

- ✓ **Services built for and by the scientific community**
- ✓ **Bringing together all data stakeholders :**
  - ➢ **Thematic research infrastructures**
  - ➢ **The expertise of institutions**
- ✓ **An open, collective governance model**

Strong political support

- ✓ **Fully aligned with national policies**
- ✓ **Overseen by the Ministry**
- ✓ **With growing international recognition**



A sovereign and secure digital infrastructure

- ✓ **Serving the entire higher education and research community**
- ✓ **Designed to reduce the environmental footprint**

Responding to the needs of research teams

Competence centres

Pooling of resources

- ✓ **Human**
- ✓ **Technical**
- ✓ **Financial**

Looking ahead

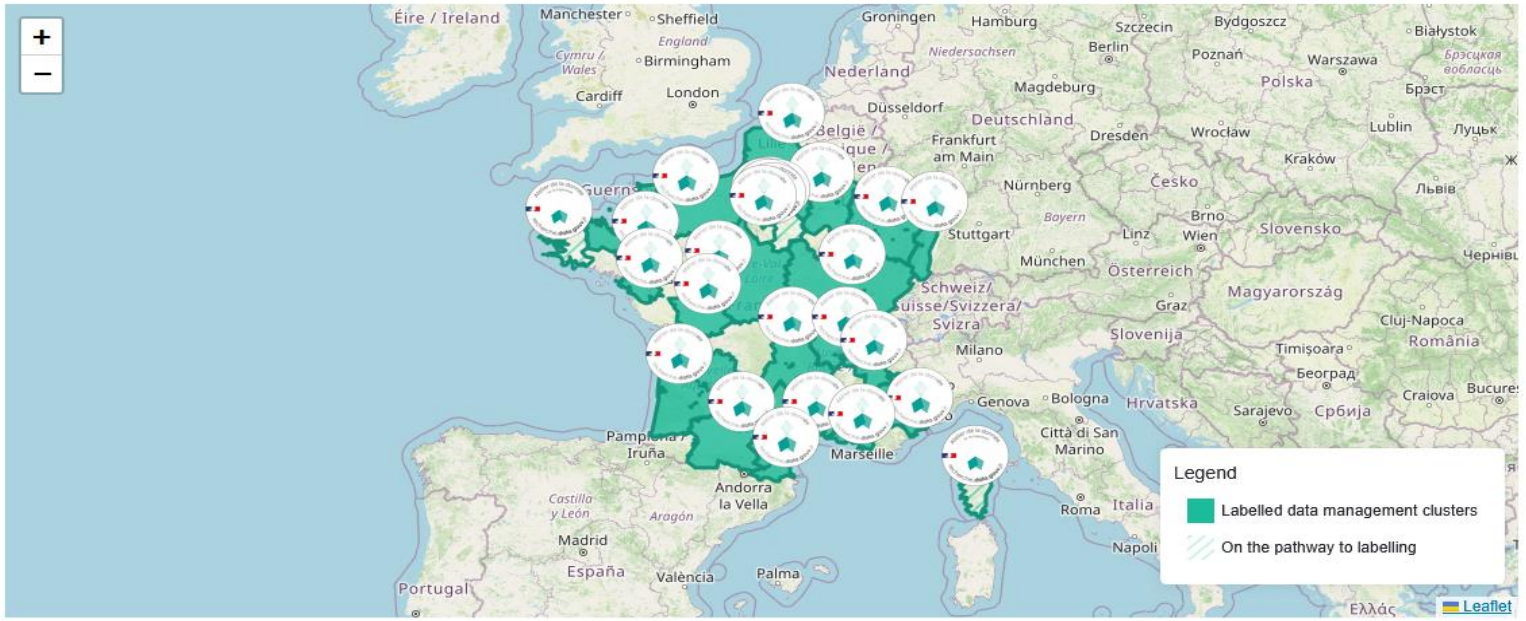
- ✓ **Increasing involvement in European calls for projects**
- ✓ **Integration of artificial intelligence**

© Françoise GENOVA, Gilles MATHIEU Novembre 2025

#RechercheDataGouv

RDG Competence centres

27 data management clusters are today part of the national network:



More than 80 Universities or Research Institute involved in RDG

Inria open science Policy : Publish and Read aggreement, bibliodiversity...

- Inria evaluates and positions itself on publishers' offers through the prism of their open science trajectory and may refuse an offer that is attractive at first glance.
- IES Service has set up a comprehensive analysis grid to evaluate each agreement negotiated by the Couperin consortium (https://www.couperin.org/#) that is likely to be of interest to Inria scientists and presents these agreements to the National IES Commission.
- Inria provides long-term support for open science initiatives and infrastructures that are useful to the scientific community, such as the publication of SMAI journals (http://smai.emath.fr/) with the Subscribe to Open (S2O) model and the Mir@bel platform (https://reseau-mirabel.info/), which lists and facilitates access to French diamond journals.



Inria's Open Science Policy: Research Evaluation

- **Standards**: Alignment with **COARA** and **DORA** (signatory).
- **Open Data**: Exclusive use of **open bibliographic sources** (e.g., **HAL**, **DBLP**, **OpenAlex**).
- **Qualitative Focus**: Evaluation Commission prioritizes **qualitative indicators** over quantitative metrics.
- **Tools**:
- **French Open Science Monitor** (frenchopensciencemonitor.esr.gouv.fr).
- **Dashboards**: Built with open-source data (e.g., **OpenAlex**, **HAL**).

Dashboard

All Dashboard are build with opensource bibliographic database

HAL 

DBLP 

OpenAlex 

For open science monitoring BSO Baromètre de la Science Ouverte / French Open Science Monitor https://frenchopensciencemonitor.esr.gouv.fr/

Conclusion

Inria's open science policy ensures **transparency**, **reproducibility**, and **sovereignty** while fostering **bibliodiversity** and **FAIR principles**. Our commitment to **open infrastructures** and **collaborative governance** strengthens the impact of research for **science and society**.

Thank you **/** Grazie !