



HAL
open science

Building Trust Around the French Open Research Archive HAL

Hélène Bégnis, Françoise Rousseau-Hans

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HAL is a multi-disciplinary open access archive for the deposit and dissemination of scientific research documents, whether they are published or not. The documents may come from teaching and research institutions in France or abroad, or from public or private research centers.

L'archive ouverte pluridisciplinaire **HAL**, est destinée au dépôt et à la diffusion de documents scientifiques de niveau recherche, publiés ou non, émanant des établissements d'enseignement et de recherche français ou étrangers, des laboratoires publics ou privés.



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Building Trust Around the French Open Research Archive HAL

A Shared Governance for Efficient Collaboration
with the French Institutional Community

Hélène Bégnis (CCSD)
Françoise Rousseau-Hans (CEA)

LIBER 2023

7 Good Practice Principles For Scholarly Communication Service

GOOD GOVERNANCE

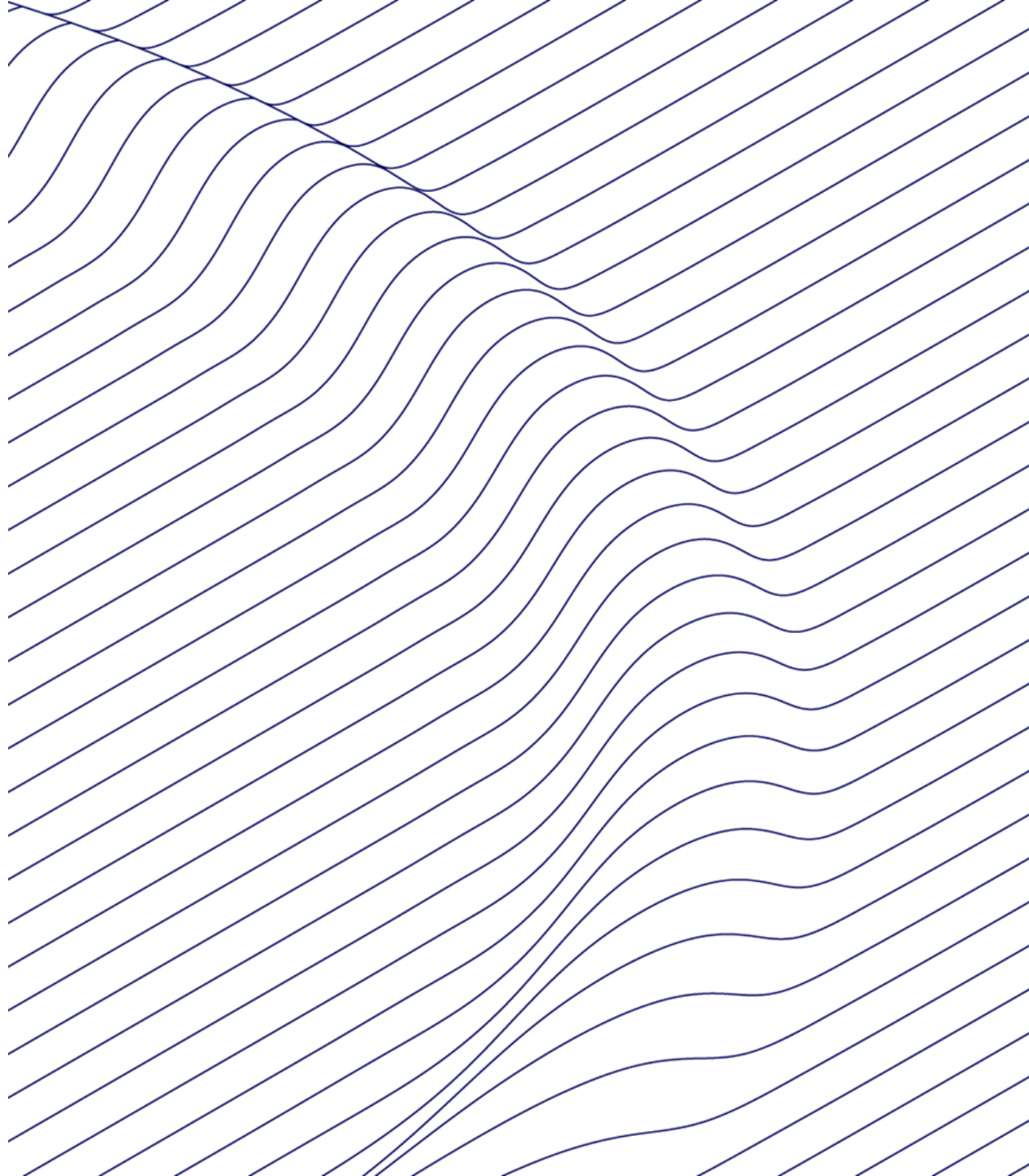
The service has strategic governance that allows community input on the direction of the service and operational governance with community representation and decision making power.



HAL
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01

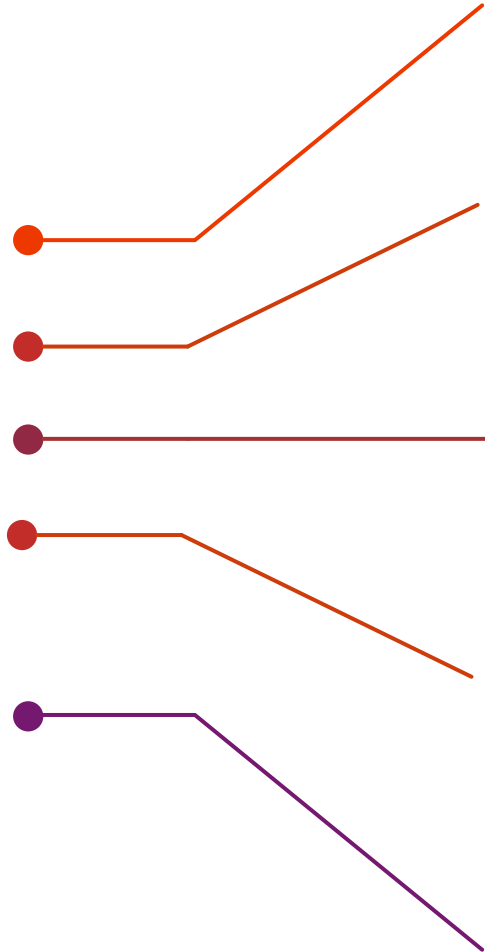
HAL, a French asset for open science



An environment (very) favourable to open science in France

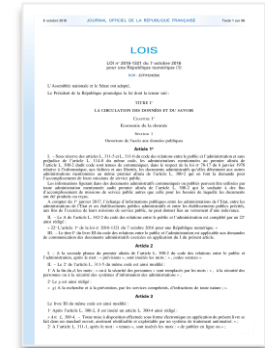
100%

of open access
Publications in
2030



Legislative support

Loi pour une république numérique



Political support

French Higher Education and Research Ministry



Scholarly Institutions

Many universities, organizations, schools

Funding support

French National Research Agencies



Official open repository





HAL is the multidisciplinary open archive chosen by the entire French scientific and academic community for the dissemination of knowledge



Diamond open access journal platform: a complete solution for editing and publishing journals

26 Diamond open access journals

Ex : Journal of Theoretical, Computational and Applied Mechanics



Platform dedicated to organisers of conferences, workshops or scientific meetings

13 007 conferences managed on Sciencesconf



HAL
open science

☐ The National Multidisciplinary Open Repository for French Research ☐

Frédérique Vidal, press release, 25 september 2020
<https://www.enseignementsup-recherche.gouv.fr/fr/hal-une-gouvernance-partagee-et-un-modele-de-financement-perenne-46927>

HAL Core principles



1

Sustainability

= > Sovereign data hosting, open source code, **Community-driven governance**, institutional support and project funding

2

Quality

= > Documentary, technical and legal control, respect for the authorship of the document, use of identifiers (ORCID, idHAL, **ROR**, project codes, etc.).

3

Interoperability

= > **Transfer to ArXiv**, make files available in **REPEC** database, complete **ORCID** account, display publisher's policy on Sherpa-Romeo

4

Visibility

= > OAI-PMH repository and API, search engines (Google Scholar, **OpenAire**), international directories (OpenDoar)

HAL : a French-style mutualisation



« With HAL,
we wanted to create a
multidisciplinary arXiv »

Daniel Charnay, Hermès, La revue – Cognition,
communication, politique, 2019, La
communication au cœur de la connaissance,
2019/3 (85), pp. 94-97.

1

National OpenRepository

1 200 800 full texts documents



2

Institutionnal Repository

143 HAL portals



3

Thematic Repository

HAL SHS, HAL THESIS, MediHAL



HAL Portals offering for institutions : CEA example

- ➔ Expression of an open science policy
- ➔ Enhancing the publications and scientific data of their researchers and faculty members

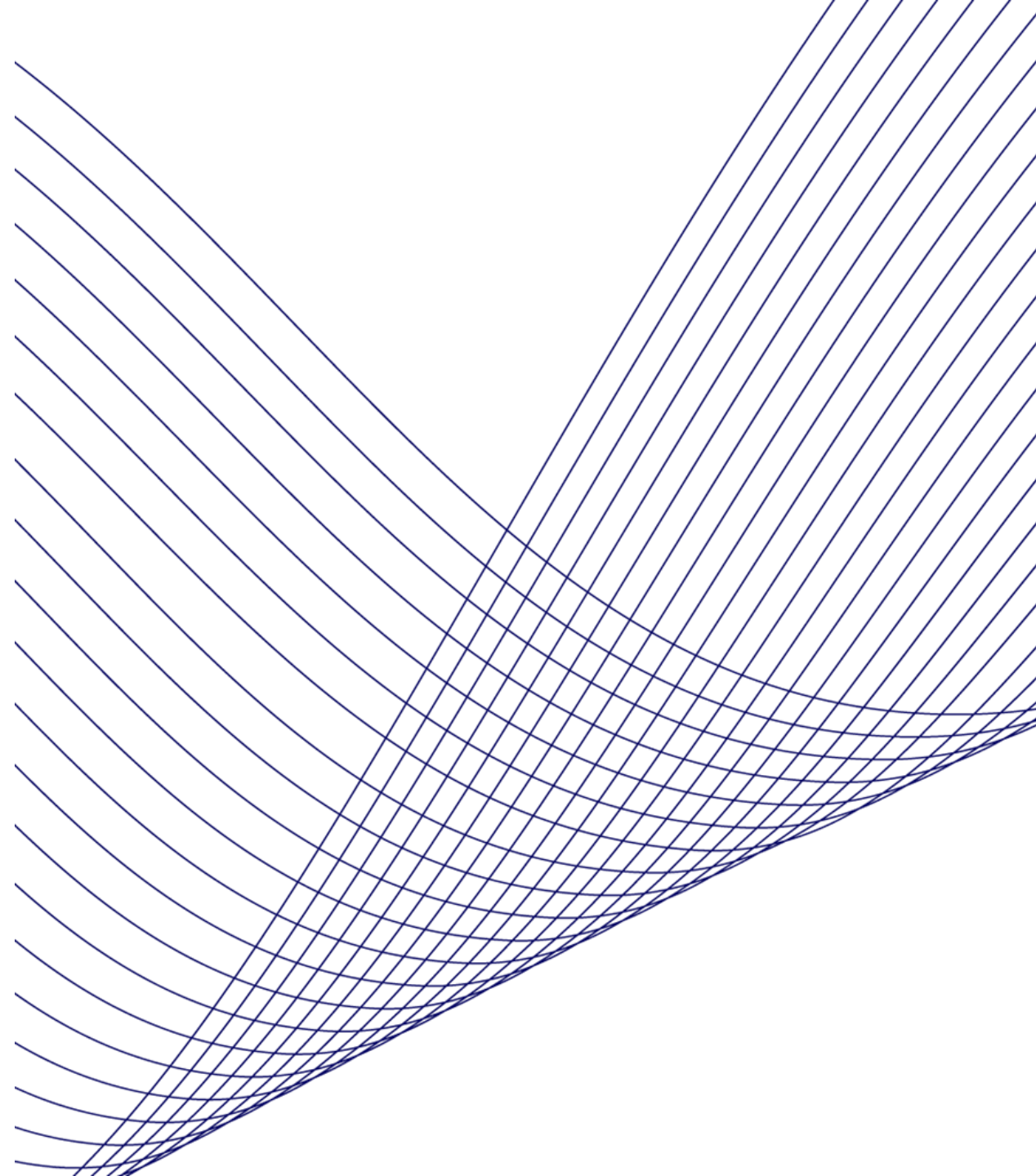
Advantages

- > Capitalising on publications
- > International Visibility
- > Long-term data protection
- > National pooling



02

Rethinking governance



Governance and steering : past and present

2013 - 2018

Partnership agreement for open archives and the HAL shared platform

25 signatory institutions, not representative of all French academic institutions.

500 000+
full text documents

130+
HAL institutional portals



Make HAL the repository for French research and scholarly output

Anchor HAL in the French and international context

HAL serving open science

French plan for Open Science

The need :

- To make the Platform sustainable
- To build a governance structure that is more inclusive and representative of all partners
- To change the way the Platform is funded

From 2020

A **shared** governance model

Steering Committee

- > Defines the overall strategy of the CCSD in direct relation to the national Open Science Policy chaired by the Open Science Committee

Orientation Committee

- > Proposes orientations based on the needs of the institutional communities



CCSD...
Centre pour la Communication
Scientifique Directe

HAL Partners Assembly

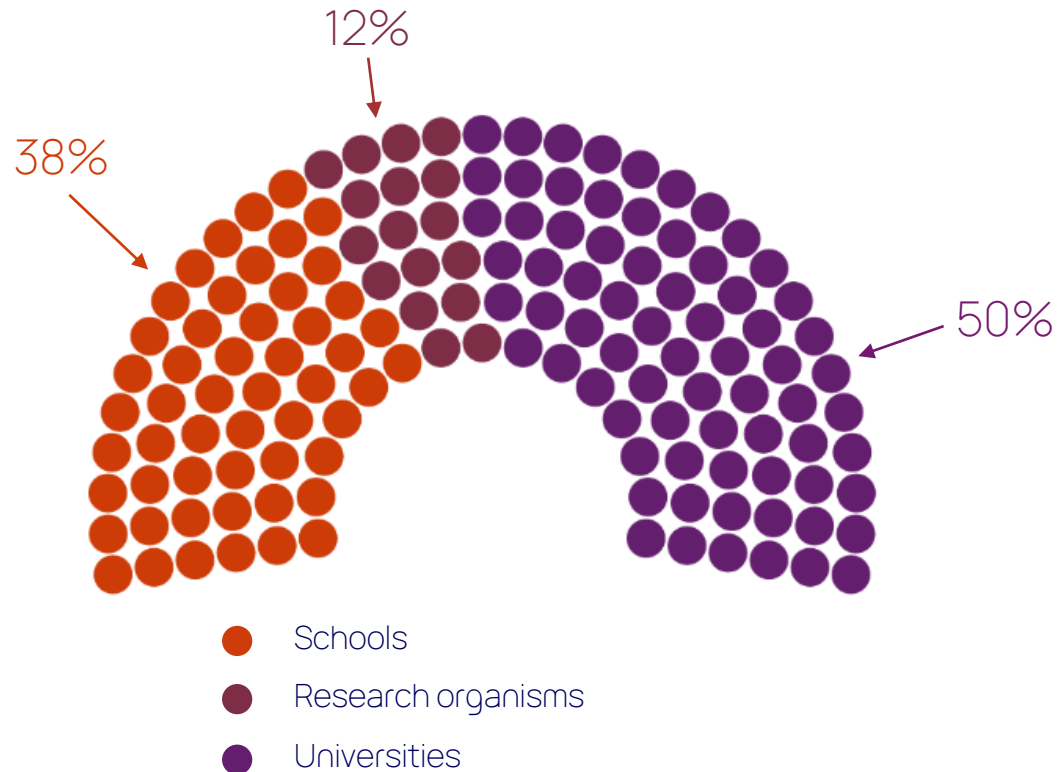
- > Expresses institutional needs

International Scientific Council

- > Proposes European and international collaborations

HAL's partners Assembly : the aim

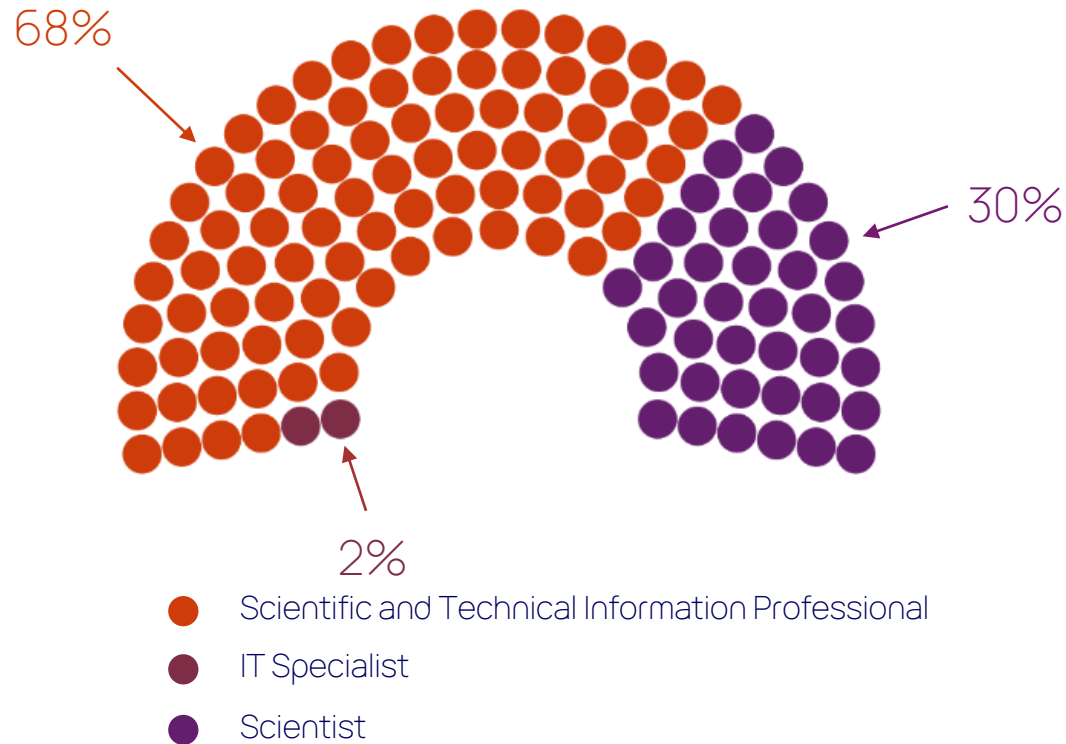
➔ 143 institutions



- To communicate the needs of institutions as users of HAL.
- To facilitate the exchange of information between the CCSD and institutions.
- To promote the exchange of information between institutions.

HAL's partners Assembly: one representative from each institution

➔ 143 representatives



= > To act as a liaison

- Represent your institution in the Partners' Assembly
- Advocate for your institution's Open Science strategy
- Being able to engage different stakeholders involved in HAL within one's own institution

5 representatives with a specific function



Representation of the institutions on the CCSD Orientation Committee

To assess user satisfaction

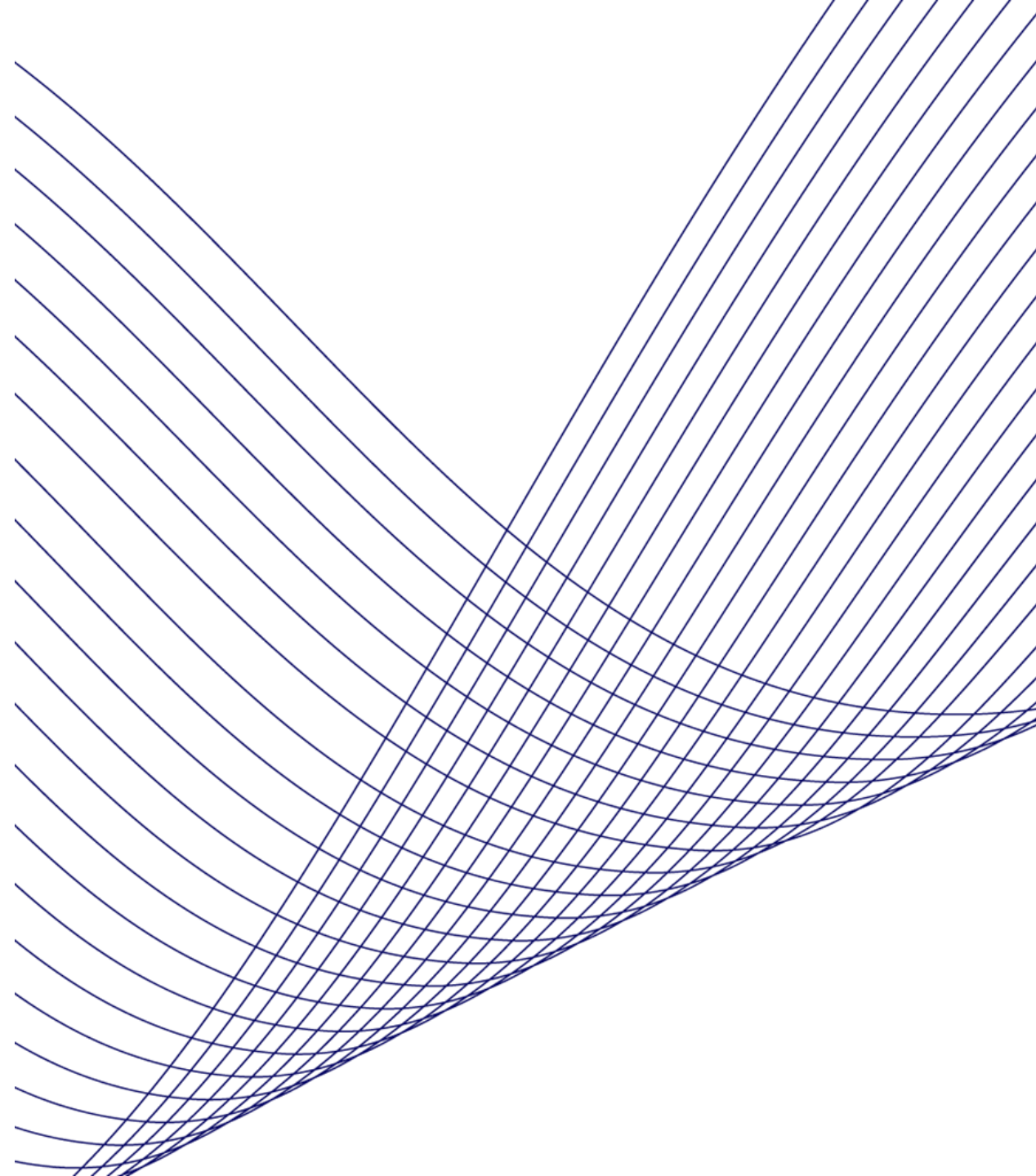
Participate in chairing the annual meeting of the Partners Assembly

To participate in working groups aimed at developing and communicating the HAL, bringing an external perspective, institutional experience/expertise.

To act as a channel for the flow of information up and down the organisation.

03

First realisations and after



Building a collective : laying the first milestones

2021

Establishment

- 143 designated representatives
- 5 representatives elected by their peers.
- A survey conducted to understand institutional interests and profiles.
- First meeting held remotely by COVID with 5 workshops organised based on survey results, animated by elected representatives and CCSD members.
- First version of HAL portal terms and conditions sent out.

Actions

- A mailing list for communication
- 10 meetings CCSD/Elected representatives
- 1 webinar for representatives

Building a collective : A Three-Step Approach

2022
- 23



Rethinking information sharing

Ex : Webinars Let's Talk Open Science now open to all; regular webinars presenting the CCSD Action Plan; 3 CCSD-maintained mailing lists,



Implementing a community of practices

Ex : Establish regular workshops by and for representatives to share experiences ; a working group to develop the mutualisation of moderation in HAL.



Involving representatives

Ex : Organise a consultation with representatives to develop HAL's terms and conditions for portals; Steering Committee and Orientation Committee jointly draft a policy statement reaffirming HAL's partnership dimension.

Building a collective : Initial results of the Three-Step Approach

Since 2022



1 300+

participants in CCSD's events



15

Online events organized



10

institutions consulted for the evolution of HAL Portal's Terms of Service

HAL open science

HAL, open archive built in common to share and disseminate scientific knowledge

Steering Committee and Orientation Committee of the CCSD HAL Partners Assembly - June 2022

HAL's mission is to share internationally and to archive scientific publications, of all disciplines, emanating from French or foreign research, public or private. Working with the enclosure of knowledge, HAL, allows the free circulation of knowledge through rapid, transparent and complete dissemination of research results and open access to scientists as well as to the whole of civil society. By guaranteeing long-term access and preservation, HAL is also an open and sustainable instrument of scientific sovereignty.

HAL's operating model is clearly original. It is based on the principles of openness, sharing and pooling. HAL is at the heart of a large community of scientists, universities, research organizations, laboratories, houses and funding agencies.

It is a common good collectively built, anchored and used for the opening up of publications, their visibility and their preservation. It is also a lever for institutional policies in favour of open science. Each and every organization has a role to play in the feeding and the quality of HAL, which archives today more than one million scientific documents. Its growth is continuous with the shared ambition of being the open archive for French scientific production. The Centre for Direct Scientific Communication (CCSD) ensures its development, operational and availability. It supports and trains scientists, whether they are scientists or institutions.

Because it is a source of trust, the quality of the national open archive is a central issue. It involves all the partners, the CCSD and submission institutions. Alignment is a reference.

HAL is a key element in the scientific ecosystem. It collects and disseminates scientific publications. It thus supports the capacity to guarantee with the HAL service on board in CCSD portals and

CCSD and submission institutions alignment is a reference.

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2001 Creation of HAL

2016 HAL is labelled as a research infrastructure

- Software Heritage for the promotion of source codes and software;
- recherche.data.gouv.fr, the national federated platform for research data in its data and publications;
- large international servers (Archiv, REPEC, FMC, Zenodo);
- the identification and identifier systems (ORCID, ROR, DOI, data.gouv.fr, crossref, Openaire, etc).

2018 PINSO 1

The first National Plan for Open Science (PINSO) identifies HAL as the French national open archive.

2020 The Steering Committee of Open Science validates a shared governance and a sustainable funding model

2021 PINSO 2

The second National Plan for Open Science reaffirms the central role of HAL, the quality of publications and the creation of an ecosystem being publications, data and codes.

2021 HAL+

Bringing together the HAL, Episciences and Scienscope platforms, HAL+ is labelled as a research infrastructure.

Governance

HAL Partners Assembly brings together the institutions (universities, research organizations, Grandes Écoles) that have HAL, and contribute to the development of the platform. It meets at least once a year. Its members take part in the steering of the platform, in the organization of CCSD webinars and exchange sessions organized by the CCSD contribute to its mission.

The Assembly aims not only to share information and good practices, but also to identify and meet the needs of its members to the Steering Committee. The Assembly approves recommendations for the operative body, into account the relevant status of the institutions (university, organization, etc).

The Orientation Committee associates the Steering Committee (representatives of the CCSD's supervisory bodies, the partners, including the laboratories and research centres, Universities and the CCSD's management), the elected members of the HAL Partners Assembly, the representatives of Episciences and the President of the International Scientific Council. Its mission is to ensure the strategic and operational orientations for the CCSD and HAL, particularly, and to determine the needs of the users of the various CCSD platforms and to give their views.

The CCSD is a support and research unit under the triple leadership of CNRS, Inria and Inria. It is supported by the Ministry of Higher Education and Research.

CCSD

Building a collective : always in progress

- 
- 1** **Strengthening** institutional commitment
 - 2** **Strengthening** the participatory approach
 - 3** **Increase** the value of contributions from partner institutions
 - 4** Continuously **improve** transparent dissemination of results and decisions



CCSD
Centre pour la Communication
Scientifique Directe

Merci !

Hal.science


MINISTÈRE
DE L'ENSEIGNEMENT
SUPÉRIEUR
ET DE LA RECHERCHE
*Liberté
Égalité
Fraternité*



Inria

INRAE