

# Open Science Strategy in Lorraine University

Focus on scholarly edition and FAIR data

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Nicolas Fressengeas

September 27, 2022

Université de Lorraine



Make it possible

Make it easy

Make it normative

Make it rewarding

Get the job done

# Coming now...

Make it possible

Institutional Open Archive

Open edition platform

Revamp the University Press

Data Warehouse

Make it easy

Make it normative

Make it rewarding

Get the job done

# An Open Archive to deposit author manuscript

## Portal to national Open Archive

- National wide database

## Open archive use always possible under French law

- Mandatory since 2018
- 6 or 12 month embargo

## Rights retention strategy

- ANR, cOAlition S & Europe
- Embargo free deposit
- Use Creative Commons licences

## University Open Archive

The screenshot shows the homepage of the University Open Archive. At the top, there is a navigation bar with the University of Lorraine logo and the text "Publications of the University of Lorraine". Below the navigation bar, there is a search bar and a "NUMBER OF FULL-TEXT DOCUMENTS" section showing "48 703". A "A QUESTION ?" section is also visible. The main content area features a "WELCOME IN THE UNIVERSITY OF LORRAINE OPEN REPOSITORY" section, followed by a "REMINDER" section and a "LATEST DEPOSITED DOCUMENTS" section. The "LATEST DEPOSITED DOCUMENTS" section lists several recent publications with their titles and authors.

Publications of the University of Lorraine

Home Deposit Search Browse University of Lorraine's collections Eprints Help Research data

Welcome in the University of Lorraine open repository

Along with other initiatives moving towards an open science (H2020 and ERC research-funding program, law for a digital republic in France) the University of Lorraine encourages its researchers to share the fruit of their research by depositing their publications in the HAL open archive. The University of Lorraine expresses its strong support in favor of the Open Access movement.

Thanks to this open repository, the university wishes to:

- perform the long-term preservation of its research output
- disseminate widely the results of the research
- open the access to the publicly funded research publications
- offer its researchers and research units useful services such as online CV or formatted lists export.

To reach these goals it is of utmost importance to deposit the **full-text** of the publications in addition to the bibliographic references.

**Wishing to deposit in HAL?**  
Every document deposited in HAL, UL is also visible in HAL and other thematic or institutional portals and collections such as HAL-DRS or HAL-IRISA.

Reminder:

- Document deposit must be performed with the agreement of the co-authors and in respect of the publisher's policy.
- In order to guarantee the stability of the documents, deposit cannot be withdrawal (except special cases).

For any question:  
Do not hesitate to contact the university librarians [hal-contact@univ-lorraine.fr](mailto:hal-contact@univ-lorraine.fr)

**LATEST DEPOSITED DOCUMENTS**

- Alain Thévoz, Pascal Verstra, Nicolas Lorraine, Alan Hoots, Lionel Gormak, Cytologicals before and after the advent of electron microscopy: a 3-D based approach. *Microscopy Today*, 2020, pp. 1-10. [https://doi.org/10.1007/978-1-4939-9999-9\\_10](https://doi.org/10.1007/978-1-4939-9999-9_10). <https://hal.archives-ouvertes.fr/hal-02418500>.
- Edouard Mager, Pierre-Alexandre Buisson, Régis Cloutier, Tracking Learned Models of Morphological Analysis. *AAAI/ICLR/EMNLP: Analgesic from Theory to Application* (AAAI/ICLR/EMNLP), Sep. 2020, Nippon, France. <https://doi.org/10.26434/chemrxiv-2020-09>.
- Benoît Lacomme, Albert Audin, Pierre Barthe, Aksh Chhabra, Thierry Bourde, et al. On the non-robustness of a Cochran test in southern France. *Pyrometry: Storage, Storage, Implications for the significance of the pre-ventive fire alarm* (Cochran test). *Bulletin de la Société Géologique de France*, Société géologique de France, 2004, 175 (8), pp. 843-855. <https://doi.org/10.2113/175-8448>. <https://hal.archives-ouvertes.fr/hal-02304842>.
- Lucas F. de S. Rodrigues, Julian Peris, The Willard factor and ancient Arctic glow of the puzzle. *Journal of Theoretical and Applied Mechanics*, Wiley, 2022, 20 (1), pp. 2207-2218. <https://doi.org/10.1111/jtm.19810>. <https://hal.archives-ouvertes.fr/hal-03293811>.
- Laurent Arimont, *Creativity on the move: how can mobile technology enable collaborative and innovative practices?*. *Business administration: Université de Strasbourg*, 2020. English. <https://hal.archives-ouvertes.fr/hal-02704240>.
- Nana Donkai, Jean-Pierre Moufflet, Alain Jérôme Fougères, *Designing an performance in conception: l'exemple de la synthèse*. *Chapitre 4. Bernard Yvelin, Eric Béranger, Evaluation et décision dans le processus de conception*, Lannear, Hermès sciences publications, pp.290, 2004, Production, 678-2-7462-1394-4. <https://doi.org/10.1007/978-2-7462-1394-4>. <https://hal.archives-ouvertes.fr/hal-02304842>.
- Thomas Desbats, *Le règlement amiable des accidents médicaux depuis 2002: un système en recherche de nouvelles équipes*. *Doc. Université de Lorraine*, 2021. Français. <https://hal.archives-ouvertes.fr/hal-03293811>.
- Jessica Thié, Rachel Dubouché, Nadine de Ma, Nicolas Charif, André Proven, et al. Designing a free-dimensional adaptive hydrogel by spraying method for cartilage tissue engineering. *3D Bioprint. Royal Society of Chemistry*, 2016, 4 (2), pp.31-45-51-74. <https://doi.org/10.1039/c5bm00079a>. <https://hal.archives-ouvertes.fr/hal-02304842>.
- Thomas Girardot, Lys Veru Che D, Sabine Biquard-Barnet, Franck Chopinard, Béatrice Pichot, Rigol microarray analysis of magnetic nanoparticles in physiological serum. *Pure and Applied Chemistry*, Oct. 2012, 116 (10), pp. 2022-2025. <https://doi.org/10.1039/c2py00000a>.
- Stéphane Mouton, Adèle Caron, Stéphanie Escotte-Boulay, Maurizio Bonetto, Damien Tesson, et al. Predicting Changes in Physical Education Teachers' Behaviors Promoting Physical Activity During the COVID-19 Pandemic Using an Integrated Multisectorial Model. *Journal of Teaching in Physical Education*, Human Kinetics, In press, 153 (1-2) pp. 203-216. <https://doi.org/10.1186/s12571-021-01161-6>.

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# Make the open Editing tools

## Open U Journals

- Partnership with Bordeaux University and INRAE
- Extending existing Bordeaux platform
- Immediate Open Access
- Diamond route
- Scheduled to open in 2024
- Accessible as from today

The screenshot shows the homepage of the Bordeaux University Open Journals platform. At the top, the logo for 'université BORDEAUX' is visible. The main heading is 'Plateforme de revues scientifiques en accès ouvert'. Below this, there is a paragraph in French describing the platform's mission: 'La plateforme des revues scientifiques de l'université de Bordeaux propose un service de publication numérique de revues scientifiques en libre accès destiné aux chercheurs du site de Bordeaux et d'ailleurs. Un comité scientifique national toute nouvelle demande d'une revue pour être intégrée à cette plateforme. Elle couvre le processus éditorial de soumission aux évaluations par les pairs et la mise en ligne sur internet des articles. Ce portail matérialise la stratégie de l'université de Bordeaux en matière de libre accès au savoir, qui vise à donner à la communauté scientifique et au-delà de celle-ci, l'accès le plus large possible aux articles, monographies et ensembles de données.'

There are two featured journals:

- Open Wine Law**: A journal that allows for exceptional diffusion of content, well beyond the academic circle. It is open access, meaning it is immediately available to all. It is a multidisciplinary journal that covers wine and viticulture. It is a journal that is open access, meaning it is immediately available to all. It is a journal that is open access, meaning it is immediately available to all.
- ijvr** (International Journal of Viticulture and Wine Research): A journal that is open access, meaning it is immediately available to all. It is a journal that is open access, meaning it is immediately available to all. It is a journal that is open access, meaning it is immediately available to all.

At the bottom of the page, the text 'Bordeaux university OJS platform' is displayed.

## Birth on June 20<sup>th</sup>, 2022

- Immediate open access books
- Paper version for sale
- With the help of the French Open Science Fund



Lyllette Lacôte-Gabryziak, inaugurating the University Press



# Get a Data Warehouse available



RECHERCHE ▾

GUIDE D'UTILISATION

SUPPORT

FRANÇAIS ▾

SE CONNECTER



## Local Data Warehouse : **DOREL**

- A place for data management
- Get it secured
- Get it published
- Closely linked to Recherche Data Gouv



RECHERCHE ▾

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# Coming now...

Make it possible

Make it easy

Training

Communication

Make it normative

Make it rewarding

Get the job done



# Open Science is a new paradigm : it requires training

## 4 levels of training

- Scheduled training sessions
  - Open Archive deposit
  - Data management Plan
  - Data warehouse
- Onsite personal help
- University wide librarians network
- University wide researcher network



The screenshot shows a dark-themed interface for finding events and workshops. On the left, there is a calendar icon and the text "FIND ALL OUR EVENTS AND WORKSHOPS" above a red "See all" button. On the right, a list of events is displayed:

- 28 September | 10 h 00 min**  
DATA MANAGEMENT PLAN WORKSHOP (IN FRENCH)
- 29 September | 1 1/2 h 00 min**  
DOREL WORKSHOP - THE UNIVERSITY OF LORRAINE'S RESEARCH DATA REPOSITORY (IN FRENCH)
- 31 October | 16 h 00 min**  
DOREL WORKSHOP - THE UNIVERSITY OF LORRAINE'S RESEARCH DATA REPOSITORY (IN FRENCH)



# Open Science is a new paradigm : it requires training

## 4 levels of training

- Scheduled training sessions
- Onsite personal help
  - Dedicated emails
  - Open archive
  - Open publication
  - Data management
- University wide librarians network
- University wide researcher network

**NEED HELP TO UPLOAD  
ON HAL ?**

[hal-contact@univ-lorraine.fr](mailto:hal-contact@univ-lorraine.fr)

**NEED HELP TO MANAGE YOUR RESEARCH DATA ?**

[donnees-recherche@univ-lorraine.fr](mailto:donnees-recherche@univ-lorraine.fr)

**NEED HELP TO PUBLISH  
IN OPEN ACCESS ?**

[copo-contact@univ-lorraine.fr](mailto:copo-contact@univ-lorraine.fr)

**NEED HELP WITH BIBLIOMETRICS ?**

[bibliometrie-contact@univ-lorraine.fr](mailto:bibliometrie-contact@univ-lorraine.fr)



# Open Science is a new paradigm : it requires training

## 4 levels of training

- Scheduled training sessions
- Onsite personal help
- University wide librarians network
  - Open archive
  - Data management
  - Open publications
  - Bibliometrics
- University wide researcher network

**RESEARCH DATA**

- J-Émile BRANCHER**  
Research data administrator  
Digital Collection
- Thomas JOUANOU**  
Research data administrator  
Metadata
- Laëtitia BRACCO**  
Data Manager  
Documentation Services
- Florence BOUQUET FOUQUET**  
Responsable de planification et d'analyse des données  
Metadata  
Data Manager

**HAL**

- Clémence LORTMETEN**  
HAL Director of the Open Publications Collection  
Documentation Services
- Laure-Mélodie POISSÉ**  
HAL Director Manager  
Documentation Services

**OPEN PUBLICATIONS**

- Jean-François LUTZ**  
Head of the Research Support Office, Director of the Open Publications Collection  
Documentation Services
- Clémence LORTMETEN**  
HAL Director of the Open Publications Collection  
Documentation Services

**BIBLIOMETRICS**

- Laëtitia BRACCO**  
Data Manager  
Documentation Services
- Virginie LANG**  
Research Support  
Documentation Services
- Floriane EBY**  
Reading Study Officer  
Designer for Training and Quality Assurance

**RESEARCH SUPPORT NETWORK**

A network of 40 researchers has committed to help users to understand, create, plan, disseminate and evaluate their research through the documentation support of your projects. To contact them, just visit address: <https://hal.archives-ouvertes.fr/>

Global: 3600000 pages  
History:

- 800 000 000 pages - 2015-2016 (France, Europe)
- 100 000 000 pages - 2017-2018 (France, Europe)
- 100 000 000 pages - 2019-2020 (France, Europe)
- 100 000 000 pages - 2021-2022 (France, Europe)
- 100 000 000 pages - 2023-2024 (France, Europe)
- 100 000 000 pages - 2025-2026 (France, Europe)
- 100 000 000 pages - 2027-2028 (France, Europe)
- 100 000 000 pages - 2029-2030 (France, Europe)
- 100 000 000 pages - 2031-2032 (France, Europe)
- 100 000 000 pages - 2033-2034 (France, Europe)
- 100 000 000 pages - 2035-2036 (France, Europe)
- 100 000 000 pages - 2037-2038 (France, Europe)
- 100 000 000 pages - 2039-2040 (France, Europe)
- 100 000 000 pages - 2041-2042 (France, Europe)
- 100 000 000 pages - 2043-2044 (France, Europe)
- 100 000 000 pages - 2045-2046 (France, Europe)
- 100 000 000 pages - 2047-2048 (France, Europe)
- 100 000 000 pages - 2049-2050 (France, Europe)
- 100 000 000 pages - 2051-2052 (France, Europe)
- 100 000 000 pages - 2053-2054 (France, Europe)
- 100 000 000 pages - 2055-2056 (France, Europe)
- 100 000 000 pages - 2057-2058 (France, Europe)
- 100 000 000 pages - 2059-2060 (France, Europe)
- 100 000 000 pages - 2061-2062 (France, Europe)
- 100 000 000 pages - 2063-2064 (France, Europe)
- 100 000 000 pages - 2065-2066 (France, Europe)
- 100 000 000 pages - 2067-2068 (France, Europe)
- 100 000 000 pages - 2069-2070 (France, Europe)
- 100 000 000 pages - 2071-2072 (France, Europe)
- 100 000 000 pages - 2073-2074 (France, Europe)
- 100 000 000 pages - 2075-2076 (France, Europe)
- 100 000 000 pages - 2077-2078 (France, Europe)
- 100 000 000 pages - 2079-2080 (France, Europe)
- 100 000 000 pages - 2081-2082 (France, Europe)
- 100 000 000 pages - 2083-2084 (France, Europe)
- 100 000 000 pages - 2085-2086 (France, Europe)
- 100 000 000 pages - 2087-2088 (France, Europe)
- 100 000 000 pages - 2089-2090 (France, Europe)
- 100 000 000 pages - 2091-2092 (France, Europe)
- 100 000 000 pages - 2093-2094 (France, Europe)
- 100 000 000 pages - 2095-2096 (France, Europe)
- 100 000 000 pages - 2097-2098 (France, Europe)
- 100 000 000 pages - 2099-2100 (France, Europe)

**SCIENCE OUVERTE**  
à l'Université de Lorraine

# Open Science is a new paradigm : it requires training

## 4 levels of training

- Scheduled training sessions
- Onsite personal help
- University wide librarians network
- University wide researcher network
  - Dedicated to data management

### THE UNIVERSITY OF LORRAINE'S DATA AMBASSADOR NETWORK

The data ambassadors are teacher-researchers and engineers who are aware of the issues of managing and opening up research data. They constitute a network of proximity within the laboratories.

Discover the [2022 roadmap of data ambassadors](#).



**Halima ALEM-MARCHAND**

PhD-HDR  
Senior Lecturer ENIGC, Jean Lamour Institute



**Etienne ANDRE**

Professor at LDRH / IUT  
Charlemagne



**Julie d'ANDURAIN**

University Professor of  
Contemporary History, UL  
(Inetz), CRULH



**Adrien BALDIT**

Senior Lecturer at LEH3



**Frédéric BOUSEFSAF**

Senior Lecturer at LCOFIS



**Damien CORNU**

Senior Lecturer at LCPHE



**Olivier FARGES**

Senior Lecturer at LEHTA / ENSSSI



**Rudy HAHUSSEAU**

Editorial and administrative manager of  
Editions de l'Université de Lorraine



**Sophie LÉGEAI**

Senior Lecturer at Jean Lamour Institute



**Julie MANSUY**

Production and Data Analysis Engineer at  
BETA



**Romain PIERRONNET**

Scientific Policy Officer at CERFICE



**Mickaël SHODIS**

Engineer at the MSH Lorraine



**Brigitte VIGOLO**

Researcher at Jean Lamour Institute /  
CNRS



## Make it known

**SCIENCE OUVERTE**  
à l'Université de Lorraine

AT THE UL ▾ OPEN PUBLICATIONS ▾ RESEARCH DATA ▾ BIBLIOMETRICS ▾ EVENTS CONTACT

**UNIVERSITÉ DE LORRAINE**

### OPEN SCIENCE AT THE UNIVERSITY OF LORRAINE

The University of Lorraine has been resolutely committed to Open Science since 2016 and the opening of its Institutional archive HAL-UL. It has been made a priority of its 2018-2022 establishment project.

The University has set an Open Science steering committee, which includes two operational committees, the CODR ([research data](#)) and the COPO ([open publications](#)).

To learn more about Open Science, please consult the [National Plan for Open Science](#).

**Our commitments** **Barometer** **News**

#### OUR NEWS

**[A review of] The Open Science Afternoon at the University of Lorraine**  
21 September 2022

**Join the University of Lorraine's data workshop!**  
20 September 2022

**[Meeting] with Nicolas Fressengeas, new Vice President for Digital, Data and Open Science**  
9 September 2022

**NEED HELP TO UPLOAD ON HAL ?**  
[hal-contact@univ-lorraine.fr](mailto:hal-contact@univ-lorraine.fr)

26 September | 10 h 00 min



# Coming now...

Make it possible

Make it easy

Make it normative

Make it rewarding

Get the job done



# Get involved in the French —and beyond— Open Science policy

## University Open Archive, a portal to the national one (HAL)

- In HAL national board
- Presidency of HAL user group

## University Data Warehouse part of Recherche Data Gouv

- Same integrated software
- In the national board & operational teams
- Scheduled complete fusion
- National training coordination

The screenshot displays the HAL website interface. At the top, the HAL logo (science ouverte) is on the left, and the slogan "La connaissance libre et partagée" is on the right. A navigation bar includes "Accueil", "Dépôt", "Consultation", "Recherche", and "Documentation". The main content area features a "Coronavirus (COVID-19)" section with a search bar and a button to "Accéder aux publications". Below this is the "Archive ouverte HAL" section, which includes a description of the archive and a list of deposit conditions. To the right, a sidebar shows statistics: "RECHERCHE" with a search bar, "NOMBRE DE DOCUMENTS SCIENTIFIQUES" (1 030 526), and "NOMBRE DE REFERENCES" (2 932 581). At the bottom, there is a section for "LES DERNIERS DOCUMENTS DE HAL" listing recent publications.



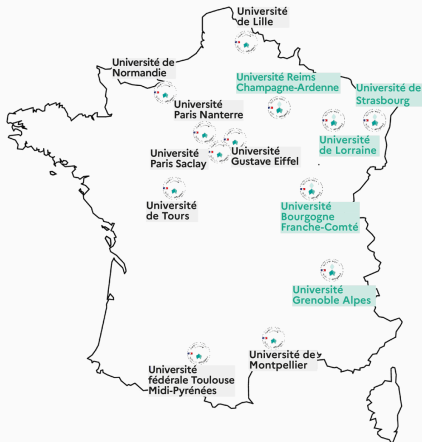
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# Get involved in the French Committee for Open Science

The university is present in almost colleges of the **Comittee**

**Publications  
college**




**Research data  
college**




→ 1 Production

**The European  
and  
international  
college**




→ 1 Production

**The skills and  
training  
college**



→ 1 Production

**Software and  
source codes  
college**



→ 1 Production

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# Opening Science must be valued in researchers careers

## Paris Call on Research Assessment



### Paris Call on Research Assessment

This text was prepared by the French Open Science Committee and presented to the Paris Open Science European Conference (OSEC) held in Paris on 4th and 5th February 2022, organized in the context of the French Presidency of the Council of the European Union, following the publication of the UNESCO recommendation on Open Science and the publication by the European Commission of Towards a reform of the research assessment system working report.

In the conclusions of its meeting of December 1st 2020 on the 'New European Research Area', the Competitiveness Council of the European Union highlighted that Open Science has a crucial role in boosting impact, quality, efficiency, transparency and integrity of research and innovation, and brings science and society closer together. The Council emphasized that biodiversity and multidisciplinary and the acknowledgment of all scientific productions are relevant elements of an European Research Area policy on Open Science.

The current system for assessing research, researchers and research institutions, however, does not recognise or reward enough the quality of all research outputs in their diversity, it often relies on the quantity of publications in parallel with high financial impact factor and obtains as mere process for quality and impact, thereby undermining the value of other contributions, lowering reproducibility and hiding back researchers from open sharing and collaboration.

The Open Science European conference (OSEC) 2022, under the auspices of the French Presidency of the Council of the European Union

• Recognises that openness improves the quality, efficiency and impact of research, and fosters team science;

• Builds on the need to sign what we commit with values on value;

• Calls for an assessment system where research proposals, researchers, research units and research institutions are evaluated on the basis of their intrinsic merits and impact, rather than on the number of publications and when they are published, prioritising qualitative judgement provided by peers, supported by a responsible use of quantitative indicators;

• Calls for a research assessment system that

• rewards quality and the various impacts of research;

• ensures that research meets the highest standards of ethics and integrity

• values the diversity of research activities and outputs such as publications and preprints, data, methods, software, code and patents, as well as their societal impacts and activities related to teaching, innovation and public engagement;

• sets assessment criteria and processes that respect the variety of research disciplines;

• rewards not only research outputs, but also the appropriate conduct of research, and values good practices, in particular open practices for sharing research results and methodologies whenever possible;

• values collaborative work, as well as cross-disciplinary and citizen science, where appropriate;

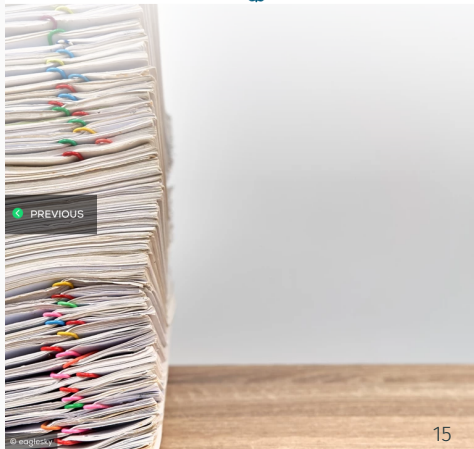
• supports a diversity of researcher profiles and career paths.

• Calls for the creation of a coalition of research funding organisations, research performing organisations, and assessment authorities, willing and committed to reform the current research assessment system along commonly agreed objectives, principles and actions (such as mutual learning, shared documentation and commonly agreed monitoring efforts). The success of such a coalition will be deeply connected to its capacity to progress concrete implementation processes and to its capacity to assess and involve researchers at all levels.

(1) <https://ec.europa.eu/research/competitiveness-council>

(2) [https://ec.europa.eu/commission/presscorner/detail/en/ip22\\_1114](https://ec.europa.eu/commission/presscorner/detail/en/ip22_1114)

## Agreement on Reforming Research Assessment



## The Human Resources Strategy for Researchers



HR EXCELLENCE IN RESEARCH



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## An Open Science steering committee

- Vice presidents : open science, numerics, research & human resources
- Directions : numerics, libraries & research
- Researchers representatives
- Local partners

## An operational committee on open publishing

- Librarians, researchers, local partners

## An operational committee on data management

- Librarians, computer scientists, researchers, local partners

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