

From Open Access to Open Science, the way
forward

-

National and European initiatives



LIBER at a glance



Europe's Research Library Network

Founded in 1971

Research libraries working together for nearly 50 years.

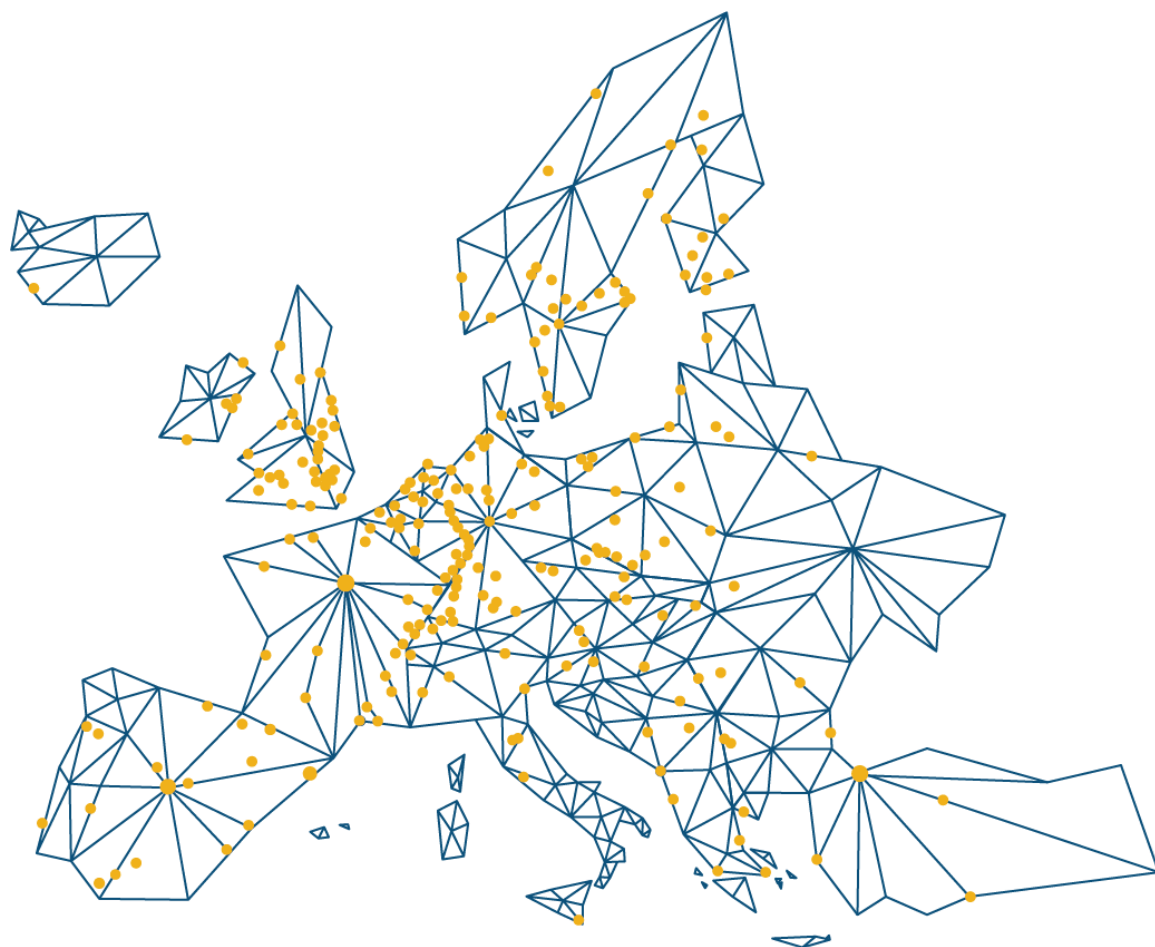
451 Libraries

National and university libraries, plus special libraries, consortia, and individuals.

40 Countries

A third of LIBER libraries are located in Southern and Eastern Europe.







**Together with its
libraries and partners,
LIBER aims to enable
world-class research.**

Powering Sustainable Knowledge in the Digital Age



Vision: The Research Landscape in 2022

Open Access

Is the main form of publishing

Research Data

Is Findable, Accessible, Interoperable and Reusable (FAIR)

Digital Skills

Underpin a more open, transparent research life cycle

Research Infrastructure

Is participatory, tailored and scaled to the needs of diverse disciplines

Cultural Heritage

Of tomorrow is built on today's digital information





Liber Open Science roadmap



What is the challenge for Europe?



LIBER priorities regarding Open Science

ENCOURAGE the development of Open Science and Open Access policies and strategies in universities or research performing organisations.

ENGAGE in the development of national and European legislation and policies which impact on Open Science.

STRIVE to make everyone in various communities, from students and researchers to staff and partners, **an Open Science advocate.**

SUPPORT, promote and participate in international Open Science initiatives.

DEVELOP training programmes and guidelines which support the entire Open Science ecosystem and cover key concepts such as Open Access, FAIR Data, metadata and data management and Citizen Science.

ADOPT technology and provide services which support Open Science.

COLLABORATE nationally and internationally to develop best practices which support Open Science, and to ensure that solutions are appropriately scaled to support the international research community.

7 focus areas for LIBER roadmap

Scholarly publishing

FAIR data

Research infrastructure and the EOSC

Metrics and rewards

Open science skills

Research integrity

Citizen science

<https://zenodo.org/record/1303002>

Scholarly publishing (**recommendations** and **actions**)

- **Ensure an Open Science policy or Open Access mandate is in place** in institutions
- Directly champion Open Science by embracing a **new role as a direct publisher of information**
- Commit to LIBER's **licensing principles for Open Access negotiations** when negotiating with publishers.
<https://libereurope.eu/article/open-access-five-principles-for-negotiations-with-publishers/> - Licensing and Open Access go Hand-in-Hand / No Price Increase / No Non-Disclosure / Keep Access Sustainable / Usage Reports Should Include Open Access
- **Examine new models for journal delivery** such as mega journals, a format popular with research funders

- Set up an **Open Access Working Group** providing libraries with practical guidance for implementing Open Access
- **Produce report and workshop on OA monographs across Europe.**
<https://libereurope.eu/article/oa-monographs-in-europes-research-libraries-best-practices-opportunities-challenges/4>. Inform and provide guidelines for our network
- Act as an **Open Access publisher** for the research library community –LIBER Quarterly journal
- **Support critical Open Access infrastructure**, sitting on the SCOSS Board

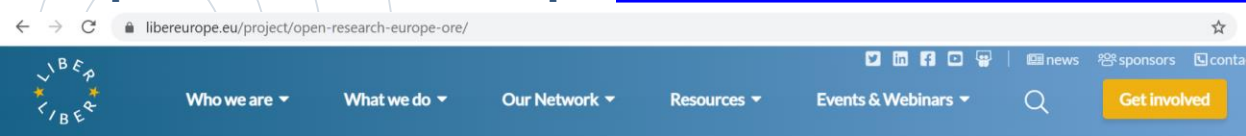
Relevant initiatives LIBER is part of

Introducing the European Commission's dedicated open access publishing platform:

Open Research Europe

<https://libereurope.eu/article/liber-wins-role-in-open-access-publishing-platform/>

Open Research Europe <https://open-research-europe.ec.europa.eu/>



Project news



Open Research Europe

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FAIR data (**recommendations** and **actions**)

- Invest in **staff with good data skills** and train personnel to promote FAIR principles
- Work to make the use of FAIR-compliant **Output and Data Management Plans** mandatory
- Develop and provide **certified repositories** and intelligent tools for researchers to support FAIR data management
- Automate as much as possible the **metadata production and data management** during the data life-cycle
- Advocate for **copyright legislation** which supports FAIR data and encourages techniques dependent on it, such as text and data mining.
- Share **best practices and case studies**

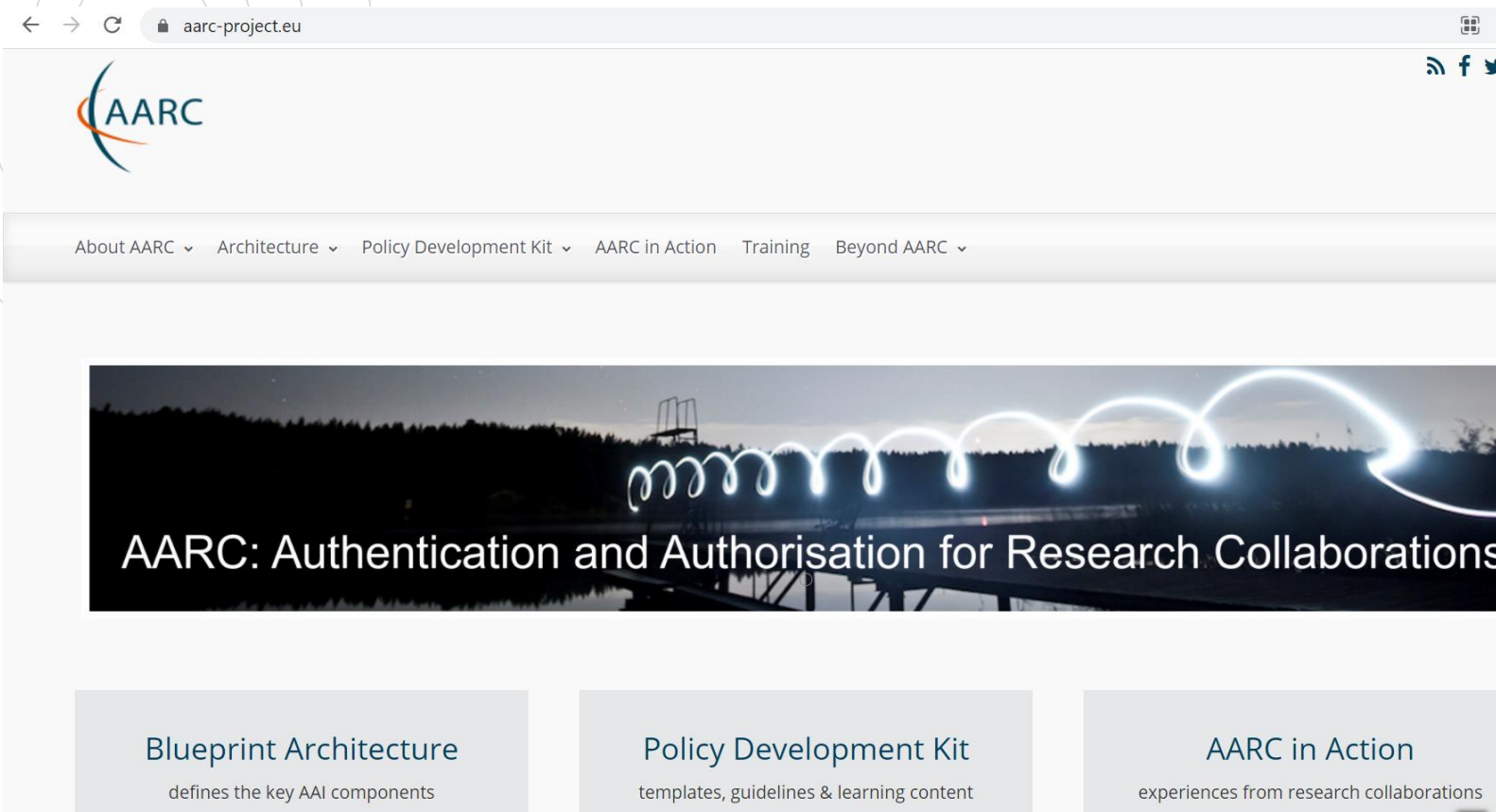
- Set up a **Research Data Management Working Group** to help libraries secure a critical role in the 21st century scholarly information infrastructure and to recognize research data as valuable academic resources
- Set up **RDM and FAIR data bootcamps** <https://libereurope.eu/mec-events/train-the-trainer-rdm-bootcamp-day-2/> and **webinars** <https://www.youtube.com/watch?v=kuu7MR8-eCA>
- Publish **guidelines** like *Implementing FAIR Data Principles : The Role of Libraries*. <https://libereurope.eu/wp-content/uploads/2017/12/LIBER-FAIR-Data.pdf>

Relevant initiatives LIBER was part of



<https://libereurope.eu/project/aarc2-increasing-the-uptake-of-federated-access/>

AARC2 <https://aarc-project.eu/>



Research infrastructure and the EOSC (recommendations and actions)

- Link institution's strategies and policies to the EOSC in order to maintain the **highest possible standard of data infrastructures** offered at the institutional level.
- Promote the **EOSC** to students, researchers and other staff members **as both a source of information and a place to publish research outputs**, in addition to institutional and national repositories.
- Advocate for institution to **embed infrastructure training into the curricula of students and doctoral students**.
- Contribute to the ongoing development of the EOSC by offering **feedback**, either directly or through LIBER, and by sharing **best practices** which support Open Science.


Relevant initiatives LIBER is part of

- join the **EOSC Executive Board** on behalf of LIBER with Observer status and prepare the new 2021 governance
- Set up a **Data Science in Libraries working group** to explore and promote library engagement in applying data science and analytical methods in libraries.
- Produce **guidelines, best practices and tools for opening library data**.
- Set up webinar series and workshops - *Skills for Supporting RDM, RDM In Libraries and Libraries & RDM: What Works?*
- Publish 11 **RDM Case Studies**.
- Publish a **Factsheet** on *Libraries & Research Data: Towards a new leadership role*



<https://libereurope.eu/mec-events/sshoc-open-science-and-research-data-management-train-the-trainer-bootcamp-iassist-pre-conference-workshop/>

SSH Training Discovery Toolkit


SSHOC SSH Training Discovery Toolkit

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Search entities

Displaying 1 - 112 of 112


Source

ID	Title	Description	Curated topics
232	Alison	Alison is one of the world's largest free learning platforms for education and skills training.	Didactics
43	CESSDA Data Management Expert Guide	The Data Management Expert Guide is designed by European experts from the CESSDA Training Working Group to help social science researchers m	Didactics , Research data management/FAIR data
230	CLARIN Depositing Services	One of the fundamental services of the CLARIN infrastructure is making sure that language resources can be archived and made available to the community in a reliable manner.	Open Science , Research data management/FAIR data , Text encoding and TEI
46	CLARIN Knowledge Sharing	The aim of the CLARIN Knowledge Sharing Initiative is to ensure ensure that the available knowledge and expertise provided by CLARIN consortia does not exist as a fragmented collection of unconnect	Data visualization , Open Science , Quantitative analysis , Research data management/FAIR data , Text encoding and TEI
231	CLARIN Legal Information Platform	The platform aims to introduce researchers with basic notions related to the legislative and licensing framework in Europe on Copyright and Data Protection:	Copyright
229	CLARIN Resource Families	The aim of the CLARIN Resource Families initiative is to provide a user-friendly overview of the available language resources in the CLARIN infrastructure for researchers from digital humanities, s	Research data management/FAIR data , Text encoding and TEI
216	Coursera	MOOC, offering diverse online teaching including single courses, specializations, professional certificates, mastertrack certificates and online degrees.	
225	DANS	Data Archiving and Netwrked Seorvices (DANS) is the Netherlands institute for permanent access to digital research resources.	Open Science , Research data management/FAIR data
54	DARIAH-CAMPUS	Discovery framework and hosting platform for DARIAH learning resources. Currently in beta. All kind of topics. Also RDM.	Citizen science , Data visualization , Digital edition , Open Science , Research data management/FAIR data , Spatial data , Text encoding and TEI

Entity type

☐  Item (73)
☐  Source (39)

Collections

☐ Training Discovery Toolkit (5)
☒  Training Toolkit (112)

Intended audience

☐ Data steward (74)
☐ Trainer (60)
☐ Researcher (57)
☐ Data creator (52)
☐ Data provider (50)
☐ Service provider (31)
☐ Student (27)
☐ Public (11)

Language

☐ English (96)
☐ German (5)
☐ Dutch (3)
☐ Spanish (2)
☐ Arabic (1)
☐ Croatian (1)
☐ Czech (1)
☐ Danish (1)
☐ Fenno-Ugric languages (1)
☐ Finnish (1)

[Show more](#)

Source of item

☐ CESSDA Data Management Expert Guide (1)
☐ CLARIN Depositing Services (13)
☐ CLARIN Legal Information Platform (3)
☐ CLARIN Resource Families (17)

Metrics and rewards (**recommendations** and **actions**)

- Endorse the **San Francisco Declaration** on Research Assessment (DORA) and the **Leiden Manifesto**.
- Collaborate with stakeholders to develop **next-generation metrics** which focus on evidence-based quantitative and qualitative indicators for Open Science.
- Work with funding bodies and institutional HR departments to develop **new methods of assessing and rewarding researchers in their careers**, in a way which supports Open Science.
- **Retain high standards**, both ethical and technical, when reporting metrics and indicators for individual researchers.

- Set up an **Innovative Metrics** working group.
- Produce **guidelines, best practices and tools for opening library data**.
- Set up **webinar series**
- Publish a **report** called *Why Do Measures Fluctuate?* to address challenges of metrics in relation to research with senior management.
<https://zenodo.org/record/3902348#.YHRwUOfgqUm>
- Publish **guidelines** on how to use qualitative approaches in altmetrics.
<https://libereurope.eu/wp-content/uploads/2020/12/Guidelines-on-how-to-use-qualitative-approaches-in-altmetrics-1.pdf>

Relevant initiatives LIBER was part of



<https://libereurope.eu/project/humetricshss-developing-a-value-based-metrics-framework-for-the-humanities-and-social-sciences/>

HuMetricHSS <https://humetricshss.org/>

libereurope.eu/projects/



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HuMetricsHSS

HuMetricsHSS – Funded by the [Andrew W. Mellon Foundation](#), the collaborative HuMetricsHSS pilot aimed to reverse-engineer the process of using evaluation metrics.

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Open Science skills

(recommendations and actions)

- Coordinate with other partners to provide a **multidisciplinary one-stop-shop for researchers** to support them in Open Science workflows in every stage of the research process.
- Incorporate **Open Science skills in the academic training programmes of students**.
- Provide innovative **digital training materials and courses** to support (and monitor) skills development.
- Build on **library's expertise** in areas such as metadata catalogues, persistent identifiers and ontologies to organise relevant new skills, expertise and competencies
- Set up a **Digital Skills for Library Staff & Researchers Working Group**
- Propose an **analysis of Open Science skills of library staff members and researchers in Europe** from selected cases. <https://doi.org/10.5281/zenodo.3903141>.
- **Hold yearly workshops** : in 2020, <https://www.fairsfair.eu/articles-publications/integrating-fair-data-science-competences-higher-education-curricula-role> with FAIRsFAIR and the EUA.
- Hold **webinars on Digital skills for Open Science training**.
- Participate in the **EOSC WG on skills and training**

Relevant initiatives LIBER was part of

<https://libereurope.eu/project/foster-plus-supporting-the-practical-adoption-of-open-science/>



Research integrity (**recommendations** and **actions**)

- Participate in establishing **Codes of Conduct for Research Integrity** within institutions. These codes should align with core principles of Open Science, such as openness, transparency and accountability in all aspects of research.
- Train researchers about the **legal and ethical aspects** of scholarly communication, scholarly publishing, information competencies, copyright, data management and Open Science.
- Provide **services to counter malpractice and questionable conduct of research**, such as counter-plagiarism services and publication strategy tools.
- Have a **joint OCLC-LIBER session on research integrity**
<https://hangingtogether.org/?p=8660>
- Organise and host workshops somehow related, such as **Ethical Issues and Skills in the European Open Science Cloud** -
<https://eoscpilot.eu/news/eoscpilot-liber-webinar-ethical-issues-skills-european-open-science-cloud>

Citizen science (**recommendations** and **actions**)

- Promote the library as an **active partner in Citizen Science** and develop the necessary infrastructure to effectively support public researchers in their work
- Use the library's role as an **organising and managing body** to ensure that responsible conduct and good scholarly practice are respected when participating in Citizen Science
- Develop a **set of guidelines** including methodologies and policies for Citizen Science activities involving the library
- **Develop the necessary skills** to be a strong and active partner in Citizen Science, including skills in the areas of scientific communication, information technologies and project management
- A Citizen Science **Working Group** to establish new links between science and society and foster a scientific culture across society as a whole
- Sign **partnerships** with external organisations regarding Open Science
- Deliver a **template** (or a suite of templates) with accompanying advocacy for a “Single CS Contact Point” that could be implemented in research libraries
- Release a **Librarian's Guide** to Citizen Science

Relevant initiatives LIBER is part of



**INOS Workshop – Open and Citizen Science in Higher Education
: Co-Creating a Shared Vision – LIBER – March/April 2021**

INOS <https://inos-project.eu/>

inos-project.eu



HOME

THE PROJECT

CONSORTIUM

ASSOCIATED PARTNERS

RESULTS

NEWS



PROJECT ACTIVITIES

DISSEMINATION MATERIAL

Integrating Open and Citizen Science into Active Learning Approaches in Higher Education

libereurope.eu/project/inos/



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Project News

INOS PROJECT

Citizen Science

INOS Workshop Outcomes – Open and Citizen Science in Higher ..

Posted 30-03-2021

INOS PROJECT

Citizen Science

Citizen & Open Science in Higher Education: Co-creating a Shared ..

Posted 01-03-2021

INOS PROJECT

Citizen Science

Citizen Science Hackathon for University Students – INOS Project

Posted 06-12-2020



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What is next?

-

Towards a new LIBER 2023-2027 strategy

#ZEROEMBARGO

A focus on ...

LET US HELP YOU!



#ZeroEmbargo

- LIBER wants **#ZeroEmbargo** on Publicly-Funded Scientific Publications.
- We've drafted a [Model Law](#) for the Use of Publicly Funded Scholarly Publications.
- Read about the **Background** to our #ZeroEmbargo Campaign and the **Press Release** [here](#).
- #ZeroEmbargo has been **publicly supported** by [cOAlition S](#) & [COAR](#).



[NordWood Themes](#) & [Unsplash](#)

#ZeroEmbargo

The model law proposed by LIBER states a **zero-embargo period for lawful self-archiving in publicly available repositories**. If adopted, it will enable all European countries to have a **secondary publishing law**, either by the introduction of specific wording in law at an EU level, or by member states introducing such laws at a local level.

The aim of this law is to provide a **guaranteed “lowest common denominator” open access law across Europe** to ensure, where articles are public or charity-funded, immediate access is lawful.

We are targetting our #ZeroEmbargo campaign at two levels – 1) **Member States** and 2) **the European Commission**. We are now at the very first stage of **informing our research library members and other relevant stakeholders** as well as identifying the best possible course for the campaign

NATIONAL PLAN FOR OPEN SCIENCE

4TH JULY 2018

#openscience

 esr.gouv.fr



Section 1 - strengthening Open Access

1. Make open access **mandatory** for projects publicly funded when publishing articles and books resulting from government-funded calls for projects. Example : ANR.
2. Create a **National Open Science fund to support OA**
3. Support **HAL, the French national open access repository**
4. Support **OA valuable initiatives**
Global Sustainability Coalition for Open Science Services (SCOSS) initiative for Directory of Open Access Books, Public Knowledge Project and OpenCitations – half a million euros

An important step ahead the National Plan

-

The Digital Republic Law - October 2016

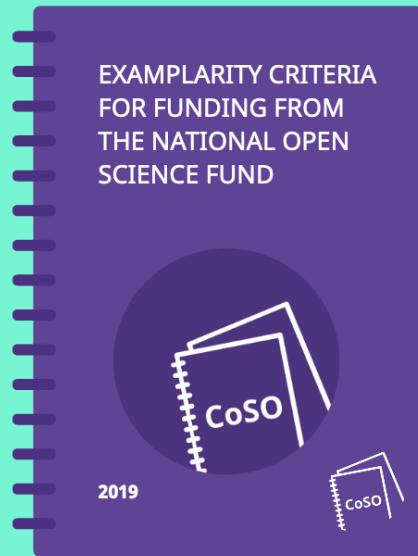
Publications : a new *right* for authors

Article 30 : When a research is 50% publicly funded, the author retains the right to publish in open repositories 6 (STM) to 12 months (HSS) after publication.

Focus on the National Open Science Fund

- Aim : support open access, develop bibliodiversity
- Leverage : help universities and research institutions
- Exemplariness : evaluation based on criteria
- Budget : starting at 3,6M€ in 2019
 - with 1M€ coming from Elsevier savings
 - and 500K€ from CNRS (savings from Springer).
- Call for projects published in December 2019, results in October 2020 - “Generalising open access to publications”
- New call released January 2021 – “Generalising open access to publications – part 2”
- New call to be released later in 2021 – focus on data. To be published in the coming months.

Criteria for the 2019 call for platforms, infrastructure and editorial content



Download

COMMITTEE NOTES

The criteria are intended to guide the choice of investments to be made under the National Plan for Open Science and the National Open Science Fund in terms of platforms, infrastructure and editorial content. The 44 criteria are classified in three levels - essential, highly recommended and desired.

<https://www.ouvrirlascience.fr/exemplarity-criteria-for-funding-from-the-national-open-science-fund/>

Open Access : one size does not fits all

France do support the co-existence of different roads....

- in an open repository that is permanent and recognized by the various scientific communities (**“green mode”**)
- open access publishing based on fair, transparent, and sustainable business models
 - With publication fees (**“gold APC mode”**)
 - Without publication fees (**“diamond” mode**)

... and Coalition S is currently moving in the right direction.

NEWS

[Go back](#)

Exploring collaborative non-commercial publishing models for Open Access: tender results

09/06/2020

cOAlition S received a total of 11 proposals for the [tender for a study to explore collaborative non-commercial Open Access publishing models for Open Access](#) (a.k.a Diamond OA) published in March 2020. We are pleased to announce that the tender was awarded to a consortium coordinated by [OPERAS](#), including [Sparc Europe](#), [Utrecht University](#), [DOAJ](#), [UiT The Arctic University of Norway](#) as partners, and [LIBER](#), [OASPA](#), [ENRESSH](#), [Redalyc-AmeliCA](#) and [CSI](#) as associate partners.

The study will be delivered by the end of 2020, and regular public updates on progress are planned along the way. The study is financially supported by [Science Europe](#).

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67080 Strasbourg – France

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Report and recommendations published in March 2021

<https://www.coalition-s.org/diamond-uneearthed-shining-light-on-community-driven-open-access-publishing/>

Supporting researchers in retaining their rights and sharing their publications

France do also support the Coalition S Rights retention strategy - <https://www.coalition-s.org/rights-retention-strategy/>

The French National Funding Agency – ANR – is currently working on the implementation

03/04/2021

Open Science: ANR prepares for implementation of the Rights Retention Strategy initiated by cOAlition S



The French National Research Agency (ANR) is pursuing its policy of free access to publications through the adoption and imminent implementation of the Rights Retention Strategy "Rights Retention Strategy" established by cOAlition S, a European initiative of which it is a partner. This strategy represents a new step in the implementation of Plan S, which aims to ensure full and immediate access to scientific publications from publicly funded research. It must allow open access, without embargoes, to scientific publications through the use of the Creative Commons CC-BY license.



Conférence « Training Workshop on translatability and Regulatory affairs for



AAPG 2021 : l'ANR reporte la date de clôture de l'appel au 26 avril 2021 à 17h



Appels ANR Flash et RA-Covid-19 : entretien avec Antoine Gessain, président



Pré-annonce : appel à projets « Action-Liban »

→ See all the news

Plan S & Rights Retention

#RetainYourRights

www.coalition-s.org/rights-retention-strategy

Helping researchers
retain their rights
and share their work
Open Access

cOAlition S

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Funder agreement

- CC BY licence applied to all submissions



Owned by the author

- Author submits manuscript to journal under CC BY licence
- Acceptance following peer review
- **Author Accepted Manuscript (AAM)**
Immediate deposit in an Open Access repository: zero embargo, CC BY licence



Owned by the publisher

- Licence to Publish
- **Version of Record (VoR)**



Plan S

Making full and immediate Open Access a reality

Section 2 - Research Data

- Create the position of National Chief Research Data Officer
- Create a network of Research Data Officers within the research institutions.
- DMPs have to become mandatory
 - <http://dmp.opidor.fr>
- Implement a certification process for data infrastructures
- Create a simple generic data hosting and dissemination service
- Support the Research Data Alliance (RDA) and fund the French chapter of the organisation (RDA France).
- Support Software Heritage, the source code library.

An important step ahead the National Plan

-

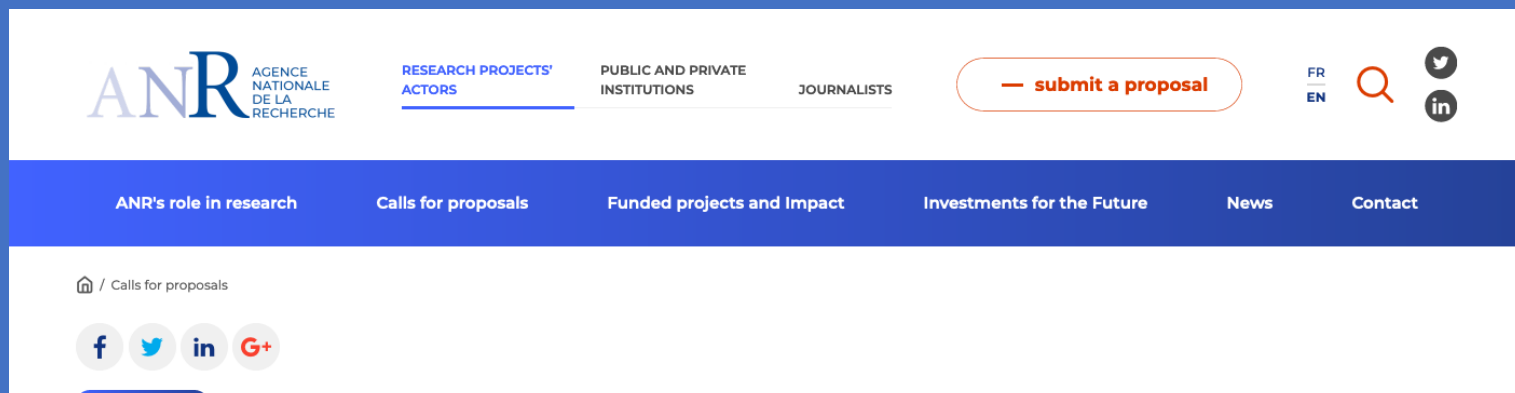
The Digital Republic Law - October 2016 (again)

Data : a new *duty* for universities and research performing organizations

Article 6 : open data should be the default for all publicly funded data, including research.

Focus on the ANR Flash call for open science and research data (2019)

- 2,3M€
- 25 projects selected
- Keywords for funded projects – access, interoperability, community engagement, curation, long term preservation, FAIR data.
- <https://www.ouvrirlascience.fr/wp-content/uploads/2019/11/Analyse-des-propositions-soumises-a%CC%80-IAAP-ANR-Flash-Science-ouverte-pratiques-de-recherche-et-donne%CC%81es-ouvertes.pdf>



Section 3 – train and transform

- Promote training and online training
 - Research data : <https://dorum.fr/>
 - Reproducibility of research : <https://www.fun-mooc.fr/courses/course-v1:inria+41016+self-paced/about>
 - Training for research data in disciplines, for instance physics and chemistry <https://www.datacc.org/>
 - ...
- Support the release of open science plans in universities and research institutions
 - CNRS - <https://www.science-ouverte.cnrs.fr/>
 - Paris Saclay University – <https://www.universite-paris-saclay.fr/actualites/encourager-une-science-ouverte-autant-que-possible-ledition-13-juin-2020>
 - ...
- And many other initiatives, like the Open Science Passport

Focus on the open science passport

PASSEPORT POUR LA SCIENCE OUVERTE

GUIDE PRATIQUE À L'USAGE DES DOCTORANTS



Préparer l'après-thèse, rejoindre le mouvement

Utiliser des ressources librement accessibles

Vous débutez votre thèse. Vous avez besoin d'accéder à des ressources en accès ouvert, aux communications et aux données déjà produites dans votre domaine. Votre course d'obstacles est sur le point de commencer...

Accéder, réutiliser

Le mouvement de la science ouverte vise à faciliter l'accès et à encourager la réutilisation des contenus scientifiques. On parle couramment :

- Des ressources en accès ouvert : grâce à leur auteur et/ou à leur éditeur, on peut accéder librement à ces ressources sans paiement par le chercheur ou l'institution.
- Des ressources libres : non seulement en accès ouvert, elles sont aussi réutilisables, en fonction de la licence de diffusion. Par exemple, les licences Creative Commons permettent d'autoriser la réutilisation, en respectant les conditions fixées par l'auteur. Pour en savoir plus, rendez-vous sur creativecommons.fr.



BON À SAVOIR

Le fait qu'une ressource soit en accès ouvert ne garantit pas sa qualité. Comme toute ressource, elle doit faire l'objet d'une évaluation critique avant d'être utilisée.



Où chercher des ressources ?



Plateformes de revues en accès ouvert : les revues en accès ouvert présentent des modèles économiques et éditoriaux diversifiés. **OpenEdition Journals** met à disposition 400 publications en ligne dans le domaine des sciences humaines et sociales.



Plateformes de prépublications ou documents de travail : la mise à disposition de ces articles encore non publiés permet de découvrir rapidement les approches de recherche les plus récentes. Découvrez **HAL**, une plateforme de documents de travail en économie.



Archives ouvertes : institutionnelles ou thématiques, les productions scientifiques y sont déposées par les chercheurs qui réalisent pour une consultation libre. Exploitez **HAL**, l'archive pluridisciplinaire de la recherche française.



Bases de thèses ou de travaux académiques : ces bases agrègent les collections de thèses numériques des universités et centres de recherche. Rendez-vous sur **Thésaurus** ou sur **Open Access Theses and Dissertations (OATD)**.

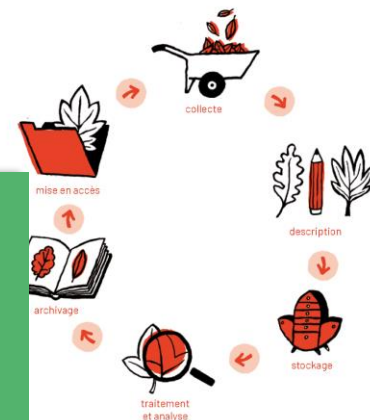


Moteurs de recherche spécialisés : ces moteurs agrègent les contenus en libre accès et facilitent ainsi leur découverte. **Core (core.ac.uk)**.

Prévoir la gestion des données

LES DONNÉES DE LA RECHERCHE, C'EST QUOI ?

« Les données de la recherche sont définies comme des enregistrements factuels (chiffres, textes, images, sons, etc.), qui sont utilisés comme sources principales pour la recherche scientifique et sont généralement reconnus par la communauté scientifique comme nécessaires pour valider les résultats de la recherche. » (source : OCDE)



Une bonne gestion des données est utile pour soi et pour les autres. Elle permet de retrouver facilement ses données, de les rendre accessibles et réutilisables par d'autres. À l'issue du projet, elle facilite l'archivage et la diffusion des jeux de données.

A hit in universities

Section 4 – building a community

- To embark research communities
- To support and coordinate the initiatives
- To monitor the National Plan fo Open Science
- To prepare guidelines and showcase best practices
- To propose recommandations and help setting directions
- To prepare and make decisions

OUVRIR

LA SCIENCE !

French Open Science Committee

<https://www.ouvrirlascience.fr/open-science/>

French Open Science Committee

A - Open Science
Steering committee

B - Open science Executive board

C- Open Science working groups

80 people

D - Online Open Science Forum

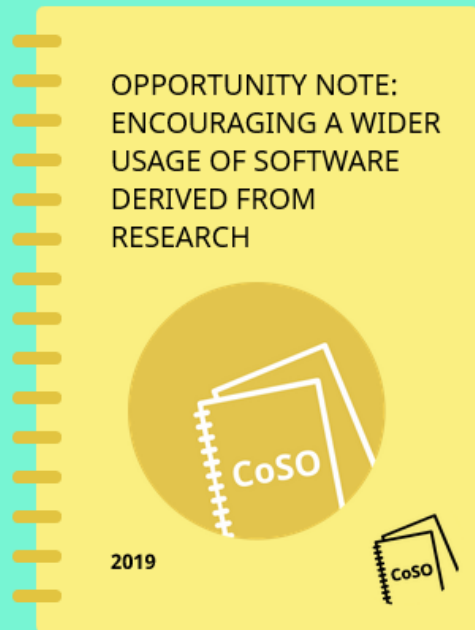
300 people

A few recent publicly accessible reports
or initiatives....



STUDIES & REPORTS

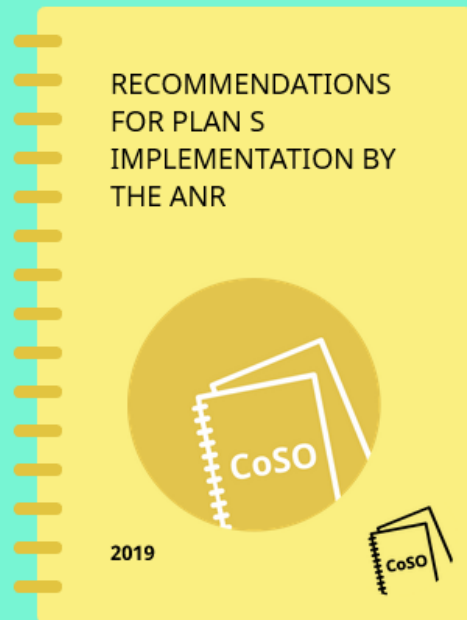
The report presents a state of the art of translation technologies, best practices in their use and possible courses of action to take to optimise the translation process of scientific production. This would thus promote access in societies in non-English-speaking countries to knowledge resulting from research which is one of the fundamental principles of open science.



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COMMITTEE NOTES

Encouraging a wider usage of software resulting from research must take into account its specificities, linked to its hybrid nature: tool, result and object of study. The Free Software and Open Source Project Group proposes working axes and recommendations, including archiving and referencing, citation, contribution, long term preservation and metadata.

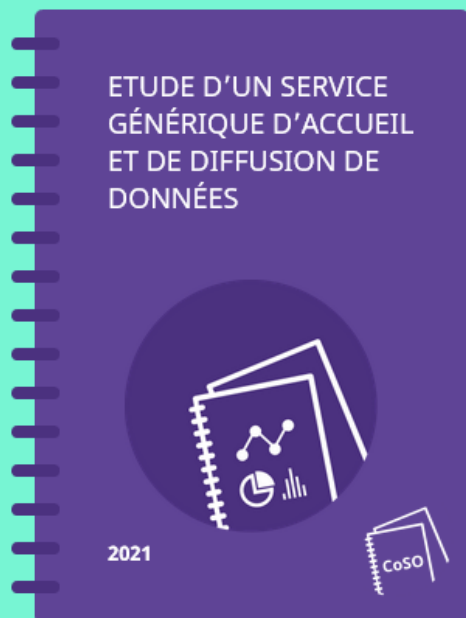


COMMITTEE NOTES

The Open Science Committee makes general and specific recommendations for each of the 10 points of Plan S to guide the French National Research Agency (ANR) in the implementation of the Plan.



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ETUDES & RAPPORTS

Le document présente et évalue différents scénarios et niveaux d'ambition fonctionnels relatifs à la création d'un service générique d'accueil et de diffusion des données simples. Il propose différentes modalités d'implémentation qui sont présentées au travers de deux parcours utilisateurs : celui d'un producteur de données et celui d'un réutilisateur de données.

The French Open Science Monitor

An open monitor for open science

The French Open Science Monitor aims at measuring progress in open access to scientific resources: publications, code, data. Its implementation is part of the French National Plan for Open Science and the Action Plan for France as part of the Open Government Partnership (OGP). First published by the French Ministry of Higher Education, Research and Innovation in 2019, it focuses to date only on scientific publications.

Unlike the European Commission's Open Science Monitor, the French Open Science Monitor is built from open data (from Unpaywall, a global database of metadata on scientific publications that provides information on the openness status of publications) using an open methodology. Thus, the data underlying the French Open Science Monitor is made available under an open license, its code is open and its methodology is presented in detail in a publication itself in open access.

The French Open Science Monitor

<https://bso.enseignementsup-recherche.gouv.fr>

<https://ministeresuprecherche.github.io/bso/>

Open Data and API

<https://data.enseignementsup-recherche.gouv.fr/explore/dataset/open-access-monitor-france>

Open Code

<https://github.com/MinistereSupRecherche/bso>

Methodology

<https://hal.archives-ouvertes.fr/hal-02141819v1>

Contact : dataesr@recherche.gouv.fr

#dataESR

... and much more confidential
ones, for internal decision making

... and a lot more

- **Models of contracts for authors -**
<https://www.ouvrirlascience.fr/des-modeles-de-contrat-pour-ledition-publique/>
- **Recommendations to create and publish a scientific journal -**
<https://halshs.archives-ouvertes.fr/hal-01960919v2>
- **Recommendations to journals for a data policy -**
<https://www.ouvrirlascience.fr/politique-de-donnees-liees-aux-publications-recommandations-aux-revues/>
- **Comments on the UNESCO draft regarding an Open Science recommendation -**
<https://www.ouvrirlascience.fr/commentaires-de-la-france-sur-lavant-projet-de-recommandation-de-lunesco-sur-la-science-ouverte/>
- **Call to strengthen the network of French experts regarding Open Science -**
<https://www.ouvrirlascience.fr/ami-reseau-experts-internationaux-de-la-science-ouverte/>

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