



# Facilitating Use of Unencumbered Publications as Data for AI

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[Research Library](#)

[CNI Spring Membership Meeting](#)

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# AI-Accelerated Science

LANL scientists are looking to develop **scientific AI foundation models**

Aside from AI-ready research data, a logical way to **imbue models with scientific domain knowledge** is to train them on **relevant publication corpora**

Then the models, plus physical instruments, can be **orchestrated via agents** for **semi-autonomous science and R&D**



## Genesis Mission

*Accelerating  
American Science  
Through AI Innovation*



U.S. DEPARTMENT of ENERGY

# Content Licenses + Copyright

Our content licenses largely **don't allow for use of publications with AI** nor do they permit systematic downloading.

Licensing pathways are **emerging, slowly**.

Court rulings on use of copyrighted works for AI training under Fair Use are **few and not necessarily precedential**.

Our contracts mostly **override Fair Use**, anyway.



# Unencumbered Works

While pursuing licensing pathways, we're also helping our researchers find works that are **unencumbered for AI use cases**.

That is, works **without significant licensing or copyright restrictions** that would prevent their use with AI.

These can be either **unencumbered versions** of specific publications or **alternate, unencumbered publications**.





# Tools and Sources

To find unencumbered publications, we canvass **open content indexes**, **open repositories**, and **open access journals**.

Key tools and sources include [arXiv](#), [CORE](#), [OSTI.GOV](#), and [Unpaywall](#).

**API access and accurate metadata**, particularly as related to licenses, are useful features supporting these searches.



# Frameworks for Legal Use

We're looking for publications under an **applicable use framework**.

Some **Creative Commons licenses** (i.e., CCØ, CC BY) allow for AI use cases.

The **Government Use Right** permits Government use of Government-funded or -authored works.

**Other open access licenses** may or may not allow for AI use cases.

