



✦ **cc signals**

**A Preference Signals
Framework to Protect the
Commons**

The Commons includes open science



Preprint

Version of the manuscript that has not finished the peer review process



Publication

Author accepted manuscript or version of record



Data

Collected numerical information associated with the publication



Images

Photographs or diagrams associated with the publication



AI models

AI models have crawled significant portions of the public web to collect training data including mass quantities of CC licensed work. These models do not attribute credit or use citations, core tenets of the scientific process.

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Why CC signals?

We believe that the current practices of AI companies pose a threat to the commons which includes open science. Many researchers are feeling betrayed by how AI is being developed and deployed. We fear that researchers will no longer want to share publicly at all and that isn't good for humans. CC signals is an initial attempt at finding a solution to this very challenging problem.



The Development of CC Signals is Based on:

- Our belief that there are many legitimate purposes for machine reuse of content that must be protected
- An ecosystem that better addresses the valid concerns of those creating and stewarding human knowledge is both possible *and* necessary

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Our Goal

As human content becomes data for machines, we want to build a new social contract that will govern that relationship.

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CC Signals: At A Glance

- A steward of a collection of content, such as a repository of research outputs, applies a signal to express a set of criteria about how the content can be used by machines.

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**Credit:**

You must give appropriate credit based on the method, means, and context of your use.

**Direct Contribution:**

You must provide monetary or in-kind support to the Declaring Party for their development and maintenance of the assets, based on a good faith valuation taking into account your use of the assets and your financial means.

**Ecosystem Contribution:**

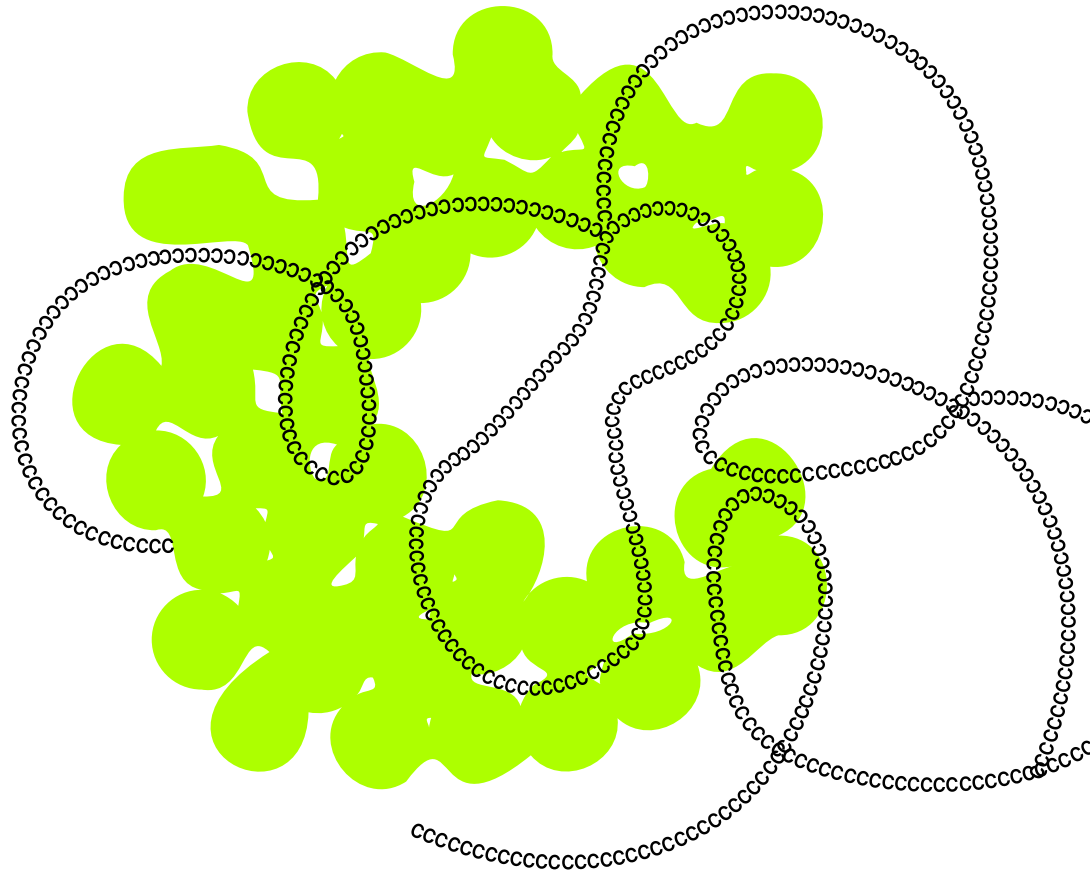
You must provide monetary or in-kind support back to the ecosystem from which you are benefiting, based on a good faith valuation taking into account your use of the assets and your financial means.

**Open:**

The AI system used must be open. For example, AI systems must satisfy the Model Openness Framework (MOF) Class II, MOF Class I, or the Open Source AI Definition (OSAID).

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Thank you!



Using CC-licensed Works for AI Training

There are many scenarios where compliance with CC license conditions is not required when using CC-licensed works for AI training.

For more:

