

# The `aidisclose` package

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## Abstract

The `aidisclose` package provides a standardized, transparent mechanism for declaring the use of Generative Artificial Intelligence (GAI) tools in academic, technical, and professional documents. It implements the *GAIDeT* (*Generative AI Delegation Taxonomy*) [2] and automates the creation of disclosure statements and checklists. The package is supported by a companion website at <https://aidisclose.org>, which allows interactive generation of the LaTeX code to add to your document.

## Contents

<b>1</b>	<b>Introduction</b>	<b>2</b>
<b>2</b>	<b>Package Loading and Options</b>	<b>2</b>
2.1	Options . . . . .	3
<b>3</b>	<b>Internationalization</b>	<b>3</b>
<b>4</b>	<b>Usage</b>	<b>4</b>
4.1	Configuration . . . . .	4
4.1.1	Activating Taxonomy Items . . . . .	4
4.1.2	Specifying Tools . . . . .	4
4.1.3	Adding Comments . . . . .	4
4.1.4	Customizing the Title . . . . .	5
4.1.5	Visual Customization . . . . .	5
4.2	Rendering the Declaration . . . . .	5
<b>5</b>	<b>Taxonomy Keys</b>	<b>5</b>

## 6 Example Output

7

## A Disclosure of Delegation to Generative Artificial Intelligence 8

# 1 Introduction

`aidisclose` is designed to support emerging ethical, institutional, and publisher requirements concerning AI-assisted content creation. It allows authors to:

- Select specific tasks delegated to Generative AI (GAI) from the GAIDeT taxonomy [2] (e.g., idea generation, data cleaning, text summarization).
- List the specific GAI tools used (e.g., ChatGPT, Gemini, Claude).
- Add optional explanatory comments (numbered or unnumbered).
- Automatically generate a formatted “*Disclosure of Delegation to Generative AI*” section/chapter.
- Automatically handle citations for the taxonomy and the package itself.

### Companion web generator

A companion web interface is available at <https://aidisclose.org>. It provides an interactive generator for `aidisclose`-based Generative AI disclosure statements, following the GAIDeT taxonomy [2].

The website can be used to (i) select delegated tasks, (ii) declare GAI tools (or explicitly declare none), (iii) add multiple numbered or unnumbered comments (with reordering and numbering preview), and (iv) generate either a complete minimal *L<sup>A</sup>T<sub>E</sub>X* document or a ready-to-paste configuration snippet. The generated code can be copied to the clipboard and incorporated into your manuscript.

# 2 Package Loading and Options

Load the package in your document preamble:

```
\usepackage[<options>]{aidisclose}
```

## 2.1 Options

The package currently supports the following key-value options:

`autobib=true|false` (Default: `true`)

When enabled, the package automatically:

1. Writes a `aidisclose.bib` file containing the references for GAIDeT [2] and this package [1].
2. Loads this bibliography resource (compatible with `biblatex` and standard BibTeX).

Set this to `false` if you wish to manage these citations manually in your own `.bib` file.

`nocite=true|false` (Default: `true`)

This option only affects the Generative AI disclosure statement: When disabled, the package automatically:

1. Add citations to the GAIDeT taxonomy paper [2] and the aidisclose manual [1].

Set this to `false` if you are willing to give credit to the authors.

## 3 Internationalization

The package automatically detects the document language (via `babel` or `polyglossia`) and loads the corresponding translation file (`.ldf`).

**Currently (v1.6.0) Supported Languages:**

- |  |                               |                                 |
|--|-------------------------------|---------------------------------|
| • English ( <code>en</code> )<br>— Default | • German ( <code>de</code> )  | • Czech ( <code>cz</code> )     |
| • Portuguese ( <code>pt</code> )           | • Italian ( <code>it</code> ) | • Polish ( <code>pl</code> )    |
| • Spanish ( <code>es</code> )              | • Dutch ( <code>nl</code> )   | • Slovak ( <code>sk</code> )    |
| • French ( <code>fr</code> )               | • Danish ( <code>dk</code> )  | • Ukrainian ( <code>uk</code> ) |
|  | • Greek ( <code>gr</code> )   | • Catalan ( <code>cat</code> )  |

If the detected language is not supported, the package falls back to English.

## 4 Usage

The declaration process consists of two steps: **Configuration** (defining what was done) and **Rendering** (printing the declaration).

### 4.1 Configuration

Configuration commands can be placed in the preamble or in the document body before the rendering command is called.

**Tip (Interactive Generator):** You can use the companion website <https://aidisclose.org> to visually select tasks and tools. The website will automatically generate the configuration code (the `\GAIactivate` and `\GAItoolsUsed` commands) which you can simply copy and paste into your document.

#### 4.1.1 Activating Taxonomy Items

Use `\GAIactivate{}` to check specific items in the taxonomy. See Section 5 for all available keys.

```
% Example: Activating "Idea generation" and "Code optimization"
\GAIactivate{c:idea}
\GAIactivate{s:opt}
```

#### 4.1.2 Specifying Tools

Use `\GAItoolsUsed{}` to list the AI tools employed. The package handles formatting (singular/plural) automatically.

```
% Example 1: No tools used
\GAItoolsUsed{}

% Example 2: Multiple tools
\GAItoolsUsed[ChatGPT-4, Gemini Advanced, Claude 3]
```

#### 4.1.3 Adding Comments

Use the `\GAIcomment` (numbered) and `\GAIcomment*` (unnumbered) environments for details. Comments may contain multiple paragraphs.

```
\begin{GAIcomment}
The AI was used primarily for refining the code in Section 3.
\end{GAIcomment}
```

```
\begin{GAIcomment*}
No GAI tools were used for data analysis.
\end{GAIcomment*}
```

#### 4.1.4 Customizing the Title

Change the default section title and hierarchy level using `\GAIdiscloseTitle`.

```
\GAIdiscloseTitle[Short Title]{Full Title}[section-level]
```

- **section-level:** Defaults to `\chapter` if defined, otherwise `\section`.

#### 4.1.5 Visual Customization

- **Checkmark Symbol:** `\GAisetCheckmarkSymbol{\textttimes}` (default is `\checkmark`).
- **Font Size:** `\GAisetChecklistFontSize{\small}` (default is `\smaller`, meaning: *slightly smaller than the current font size*).

### 4.2 Rendering the Declaration

Place the `\GAIrenderDeclaration` command where you want the disclosure to appear (e.g., after the Conclusion or before References).

```
\GAIrenderDeclaration[<columns>]{<authors>}
\GAIrenderDeclaration*[<columns>]{<authors>}
```

- **Star variant (\*):** Renders the checklist *without* the section heading.
- **<columns>:** Number of columns for the checklist (default: 3).
- **<authors>:** Comma-separated list of (document) authors declaring the use of AI.

## 5 Taxonomy Keys

Use these keys with `\GAIactivate{}`. Derived from the GAIDeT taxonomy [2].

<b>Key</b>	<b>Description</b>
<b>Conceptualization</b>	
c:idea	Idea generation
c:objective	Defining the research objective
c:rq	Formulating research questions and hypotheses
c:feas	Feasibility assessment and risk evaluation
c:pretest	Preliminary hypothesis testing
<b>Literature Review</b>	
l:search	Literature search and systematization
l:write	Writing the literature review
l:patents	Analysis of market trends/patent environment
l:gaps	Novelty evaluation and gap identification
<b>Methodology</b>	
m:design	Research design
m:protocols	Experimental or research protocols
m:methods	Selection of research methods
<b>Software Development</b>	
s:codegen	Code generation
s:opt	Code optimization
s:auto	Process automation
s:algs	Algorithms for data analysis
<b>Data Management</b>	
d:collect	Data collection
d:validate	Validation
d:clean	Data cleaning
d:curate	Data curation and organization
d:analyze	Data analysis
d:viz	Visualization
d:repro	Reproducibility testing
<b>Writing and Editing</b>	
w:textgen	Text generation
w:proof	Proofreading and editing
w:summarize	Summarizing text
w:concl	Formulation of conclusions
w:tone	Adapting and adjusting emotional tone
w:translate	Translation
w:reformat	Reformatting
w:press	Press releases and outreach materials
<b>Ethics &amp; Supervision</b>	
e:bias	Bias analysis and discrimination assessment
e:risk	Ethical risk analysis

e:compliance	Compliance monitoring
e:conf	Data confidentiality monitoring
sup:qa	Quality assessment
sup:trends	Trend identification
sup:limits	Identification of limitations
sup:recs	Recommendations
sup:pub	Publication support

---

## 6 Example Output

Below is an example of a rendered declaration. The configuration used is:

```
% Configuration
\GAIactivate{c:idea}
\GAIactivate{c:rq}
\GAIactivate{l:search}
\GAIactivate{l:write}
\GAIactivate{s:auto}
\GAIactivate{d:analyze}
\GAIactivate{w:summarize}
\GAIactivate{w:reformat}

\GAItoolsUsed[ChatGPT-4o, Gemini 1.5 Pro, GitHub Copilot]

\begin{GAIcomment}
AI was used for refining code structure in Section~4.
\end{GAIcomment}
```

## References

- [1] João M. Lourenço. *The aidisclose package: Generative AI disclosure checklist and statements*. Version 1.6.0. 2025. URL: <https://ctan.org/pkg/aidisclose>.
- [2] Yana Suchikova et al. “GAIDeT (Generative AI Delegation Taxonomy): A Taxonomy for Humans to Delegate Tasks to Generative Artificial Intelligence in Scientific Research and Publishing”. In: *Accountability in Research* (2025), pp. 1–27. DOI: [10.1080/08989621.2025.2544331](https://doi.org/10.1080/08989621.2025.2544331).

## A Disclosure of Delegation to Generative Artificial Intelligence

Jane Doe and John Smith declare the use of Generative AI in the research work and writing process of this document. According to the GAIDeT taxonomy, the following tasks were delegated to Generative AI tools under full human supervision:

### Conceptualization

---

- |  |   |  |
|--|---|--|
| <input type="checkbox"/> Idea generation                 | <input checked="" type="checkbox"/> Formulating research questions and hypotheses | <input checked="" type="checkbox"/> Feasibility assessment and risk evaluation |
| <input type="checkbox"/> Defining the research objective |   | <input checked="" type="checkbox"/> Preliminary hypothesis testing             |

### Literature Review

---

- |   |  |   |
|---|--|---|
| <input checked="" type="checkbox"/> Literature search and systematization | <input type="checkbox"/> Analysis of market trends and/or patent environment | <input type="checkbox"/> Evaluation of novelty and identification of gaps |
| <input checked="" type="checkbox"/> Writing the literature review         |  |   |

### Methodology

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- |  |  |  |
|--|--|--|
| <input type="checkbox"/> Research design | <input type="checkbox"/> Development of experimental or research protocols | <input type="checkbox"/> Selection of research methods |
|--|--|--|

### Software Development and Automation

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- |  |  |   |
|--|--|---|
| <input type="checkbox"/> Code generation   | <input checked="" type="checkbox"/> Process automation | <input type="checkbox"/> Creation of algorithms for data analysis |
| <input type="checkbox"/> Code optimization |  |   |

### Data Management

---

- |  |   |  |
|--|---|--|
| <input type="checkbox"/> Data collection       | <input type="checkbox"/> Data curation and organization | <input type="checkbox"/> Visualization           |
| <input checked="" type="checkbox"/> Validation | <input checked="" type="checkbox"/> Data analysis       | <input type="checkbox"/> Reproducibility testing |
| <input type="checkbox"/> Data cleaning         |   |  |

### Writing and Editing

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- |  |  |  |
|--|--|--|
| <input type="checkbox"/> Text generation             | <input type="checkbox"/> Formulation of conclusions            | <input type="checkbox"/> Translation                           |
| <input type="checkbox"/> Proofreading and editing    | <input type="checkbox"/> Adapting and adjusting emotional tone | <input checked="" type="checkbox"/> Reformatting               |
| <input checked="" type="checkbox"/> Summarizing text |  | <input type="checkbox"/> Press releases and outreach materials |

**Ethics Review** \_\_\_\_\_

- 
- |  |   |  |
|--|---|--|
| <input type="checkbox"/> Bias analysis and discrimination assessment | <input type="checkbox"/> Ethical risk analysis                        | <input type="checkbox"/> Data confidentiality monitoring |
|  | <input type="checkbox"/> Monitoring compliance with ethical standards |  |

**Supervision** \_\_\_\_\_

- |   |  |  |
|---|--|--|
| <input type="checkbox"/> Quality assessment   | <input type="checkbox"/> Identification of limitations | <input type="checkbox"/> Recommendations     |
| <input type="checkbox"/> Trend identification |  | <input type="checkbox"/> Publication support |

**Generative AI tools used:** No Generative AI tools were declared.

**Additional comment #1:** AI was used for refining code structure in Section 4.