THE LINUX FOUNDATION
OPEN SOURCE SUMMIT
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MOT: A Tool To Fight Open-washing in AI

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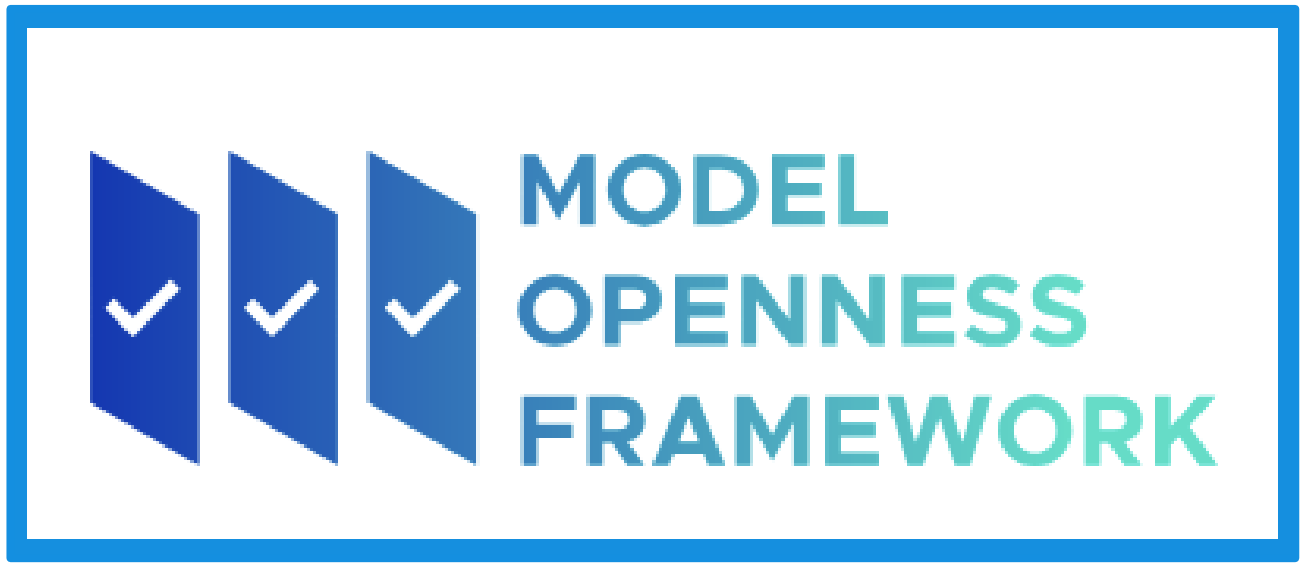
Challenges in open AI

- Rapidly growing # of available models
- A lot of “open-washing”
- Many licenses with restrictions (AUPs)
- No consistent definition of “open” in AI
- Lack of understanding of license implications
- Many components not released (i.e. datasets)
- Illegally converted licenses
- Open source licenses used on non-software
- AUPs and user agreements used on model weights



A ranked classification system to evaluate machine learning models based on their completeness and openness following open science principles.

Completeness vs. Openness

- **Completeness:** In open science, completeness refers to providing comprehensive and well-documented information for all components, ensuring that each element is thorough, self-contained, and meaningfully usable without requiring additional context or resources.

- **Openness**: Binary property indicating whether a particular component is licensed under an open license or not. A component is considered "open" if and only if it is distributed under a license that grants users the rights to freely access, use, modify, and share the component. If a component is not licensed under an open license, it is not “open”.

MOF Completeness: 17 Components

MOF Openness: Only Open Licenses accepted

- **Every component MUST have an *open license*:**
  a license allowing unrestricted usage, study, modification, and redistribution for any purpose.

- **Every component SHOULD have a *type-appropriate open license*:**
  an open license that is appropriate for the type of component it is covering: **code**, **data**, or **documentation**.

- **Examples**:
  Code: Apache 2.0, Data: CDLA-Permissive 2.0, Doc: CC-BY 4.0

MOF Classes

MOF Class	Components Included	Usage
Class III – Open Model	• Model Architecture • Final Model Parameters • Technical Report or Research Paper • Evaluation Results • Model Card • Data Card • Sample Model Outputs (optional)	• Unrestricted usage (access, use, modify, redistribute) • Create a product or service • Fine tune and align • Model optimizations
Class II – Open Tooling Model	• All Class III Components • Training Code • Inference Code • Evaluation Code • Evaluation Data • Supporting Libraries & Tools (optional)	• Understand training process • Validate benchmark claims • Inference optimizations
Class I – Open Science Model	• All Class II & III Components • Research Paper • Datasets • Data Preprocessing Code • Intermediate Model Parameters • Model Metadata (optional)	• End to end analysis and auditing • Reproduction of a similar model • Data exploration and experimentation

Model Openness Tool (MOT)

Evaluate, Register, Consult

https://isitopen.ai

Name	Organization	Classification	Last updated	Badge
Amber	LLM360	Class I - Open Science Model	2025-05-22	Class I - Open Science Model: Qualified
OLMo-7B	Allen Institute for AI	Class I - Open Science Model	2025-11-12	Class I - Open Science Model: Qualified
Pythia-12B	EleutherAI	Class I - Open Science Model	2025-11-03	Class I - Open Science Model: Qualified
Polyglot-Ko	EleutherAI	Class II - Open Tooling Model	2025-05-30	Class I - Open Science Model: In progress (93%); Class II - Open Tooling Model: Qualified
GPT-NeoX-20B	EleutherAI	Class III - Open Model	2025-05-30	Class II - Open Tooling Model: In progress (90%); Class III - Open Model: Qualified
Granite-34B-Code-Instruct	IBM	Class III - Open Model	2025-05-30	Class II - Open Tooling Model: In progress (60%); Class III - Open Model: Qualified
Granite-4.0-H-Micro	IBM	Class III - Open Model	2025-11-12	Class II - Open Tooling Model: In progress (60%); Class III - Open Model: Qualified

DEMO Time!

Generative AI Commons is dedicated to shaping the future of generative AI through open-source and open-science.

Anchored within the **LF AI & Data Foundation**.

- Community-Driven: Open membership initiative uniting non-profits, academia, and industry leaders.
- Focused on Impact: Promoting responsible, trustworthy AI, fostering collaboration, advancing AI literacy, and advocating for our community.

Anni Lai
Co-Chair

Arnaud Le Hors
Co-Chair

Generative AI Commons: Achievements to Date

Two major deliverables:

- Model Openness Framework (MOF)
- Responsible AI Guidelines Framework (RGAF)

As well as many webinars, guest speakers, and blog posts on a broad array of topics related to Generative AI.

The Responsible Generative AI Framework (RGAF)

Intended to help AI systems implementers and consumers to navigate the complex responsible AI challenges of open source generative AI projects.

Check the RGAF document!

RGAF : Addressing the need for a standard definition of responsible GenAI

1. Human-centered & Aligned
2. Accessible & Inclusive
3. Robust, Reliable & Safe
4. Transparent & Explainable
5. Accountable & Rectifiable
6. Private & Secure
7. Compliant & Controllable
8. Ethical & Fair (unbiased)
9. Environmentally Sustainable

More on Responsible AI

- Work on mapping of RGAF with other frameworks and toolkits such as TrustyAI from Red Hat, FINOS AI Governance Framework
- Contributing to ISO 42003 – Developer Handbook, companion of ISO 42001
- Recent blog entries:
  - Navigating the Generative AI Landscape Responsibly: How TrustyAI Aligns with the RGAF
  - Part 2: Navigating the Generative AI Landscape Responsibly: How TrustyAI Aligns with the RGAF
  - Putting RGAF to Work: Build and audit responsible AI with open source

- Hosted discussions that motivated the production of the Open Source AI Project Governance and Security Baseline which is now being discussed / reviewed in the OpenSSF community:

Generative AI Commons: Workstreams

Responsible AI

Works to ensure that enterprises can access trustworthy, responsible and scalable models for their organization.

- Continue work around RGAF with a possible revision addressing Agentic AI and mappings to other frameworks.

Exploration

Functions as a sandbox where members of the community come together to explore and incubate new ideas and opportunities in Generative AI with a new focus on Agentic AI.

- World Models & Physical AI
- Application development in non-deterministic environments
- Skill Certification for Agentic AI
- Open Source development in the age of AI

Join Us!

https://genaicommons.org