OPEN SOURCE AI DEFINITION

Online public townhall

August 23, 2024

last updated: August 23, 2024 (MJ)

ALFRED P. SLOAN FOUNDATION

Community agreements

- **One Mic, One Speaker** -- Please allow one person to speak at a time.
- **Take Space, Make Space** -- If you tend to talk more, we invite you to make space for others to share. If you tend not to share, we invite you to speak up.
- **Kindness** -- This work is hard, but we don't have to be. Gentleness and curiosity help. Those who use insults or hate speech will need to leave the meeting.
- **Forward Motion** -- We advance by focusing on what is possible in the moment and doing it. Obstacles are marked for later discussion, not used to stop the process. If we hit a boulder, we note it on the map and keep walking. We'll come back and unearth it later on.
- **Solution-Seeking** -- This work is so complex that focusing on what won't work will stop it. Suggesting new ideas, options, and proposals is vulnerable, but crucial. All of us are needed to make this work.
- **Anything else?**

Open Source AI Definition

New Version

OSAID v.0.0.9

KubeCon

CloudNativeCon

THE LINUX FOUNDATION
OPEN SOURCE SUMMIT

AI_dev
Open Source GenAI & ML Summit

China 2024

Unveiling the Future:

Nurturing Openness in AI Development

揭示未来: 培育人工智能开放性发展

Anni Lai
Chair, Generative AI Commons, LF AI & Data
Head of Open Source Operations, Futurewei

Mer Joyce
Founder
Do Big Good LLC
Co-Design Facilitator, Open Source AI Definition
Open Source Initiative

New Today: OSAID v.0.0.9

The preferred form of making modifications for a machine-learning Open Source AI System must include:

Open Weights

Model weights and parameters

+

Open Code

Source code used to train and run the system

+

Data Information

The dataset or detailed information about the data used to train the system

open source initiative®

New Version: OSAID v.0.0.9

The preferred form of making modifications for a machine-learning Open Source AI System must include:

Weights

The model weights and parameters, made available under OSI-approved terms

Examples: checkpoints from key intermediate stages of training as well as the final optimizer state

New Version: OSAID v.0.0.9

The preferred form of making modifications for a machine-learning Open Source AI System must include:

Code

The source code used to train and run the system, made available with OSI-approved licenses

Examples: code used for pre-processing data, training, validation and testing, supporting libraries like tokenizers and hyperparameters search code, inference code, and model architecture.

New Version: OSAID v.0.0.9

The preferred form of making modifications for a machine-learning Open Source AI System must include:

Data

Information

Sufficiently detailed information about the data used to train the system, so that a skilled person can recreate a substantially equivalent system using the same or similar data. Data information shall be made available with licenses that comply with the Open Source Definition.

Examples: training methodologies and techniques, training data sets used, information about the provenance of those data sets, their scope and characteristics, how the data was obtained and selected, the labeling procedures and data cleaning methodologies.

Training Data in the OSAID

OSI affirms the benefits of full access to training data while acknowledging it is not always possible for reasons of law, privacy norms, technical feasibility, and cultural practice.

- **Training data is valuable to study AI systems**: to understand the biases that have been learned, which can impact system behavior. But training data is **not part of the preferred form** for making modifications to an existing AI system
- Data can be hard to share. Laws that permit training on data often **limit the resharing** of that same data to protect copyright or other interests.
- **Privacy rules** also give a person the rightful ability to control their most sensitive information, such as decisions about their health.
- Similarly, much of the world's **Indigenous knowledge** is protected through mechanisms that are not compatible with later-developed frameworks for rights exclusivity and sharing.
- **Open training data** (data that can be reshared) provides the **best way** to enable users to study the system, along with the preferred form of making modifications.
- **Public training data** (data others can inspect as long as it remains available) **also enables users** to study the work, along with the preferred form.

OSAID Approval Criteria

OSI Board requires a definition that is:

Supported by diverse stakeholders

The definition needs to have approval by end users, developers, deployers and subjects of AI, globally.

Provides real-life examples

The definition must include relevant examples of AI systems that comply with it at the time of approval, so cannot have an empty set.

Ready by October 2024

A usable version of the definition needs to be ready for approval by the board at the October board meeting.

Approved June 21, 2024

Open Source AI Definition

What's Next?

September - October 2024

- Resolve comments, release RC1
- Launch stable version at All Things Opens

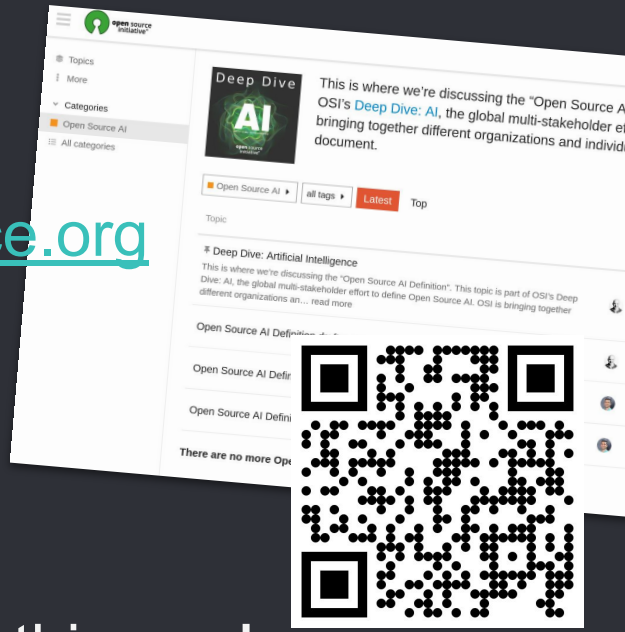
2024 Timeline

System testing work stream
Stakeholder consultation work stream
Release schedule

February	June	July	August	September	October
Call For Volunteers + Activity Feedback and Revision	**Virtual System Review**	**Virtual System Review**	**Virtual System Review**	**Virtual System Review Ends**	
Bi-Weekly Virtual Public Townhalls	Bi-Weekly Virtual Public Townhalls	Townhalls + **- OSPOs for Good** (NYC) **- OSCA** (virtual)	Townhalls + **- AI-dev** (Hong Kong)	Townhalls + **- Deep Learning Indaba** (Dakar) **- IndiaFOSS** (Bengaluru) **- Nerdearla** (Buenos Aires)	Townhalls + **- All Things Open** (Raleigh) **- OSAI Data Workshop** (Paris)
Draft 0.0.5	Draft 0.0.8	Draft 0.0.8	Draft 0.0.9	RC1	Stable Version

How to Participate :)

- Public **forum**: discuss.opensource.org
- Become an OSI **member**
  - Free or or full
  - SSO with other OSI websites
- Biweekly virtual **townhalls**… like this one!
- **Volunteer** to help with validation (email or DM Mer Joyce)



Q & A

Thank you

We realize this is difficult work and we appreciate your help and openness in improving the definition.