

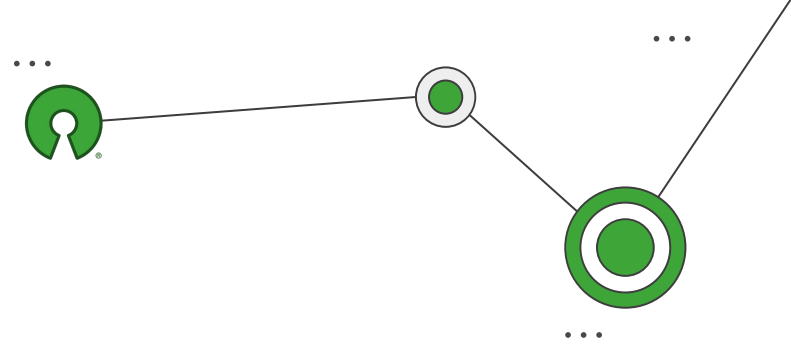
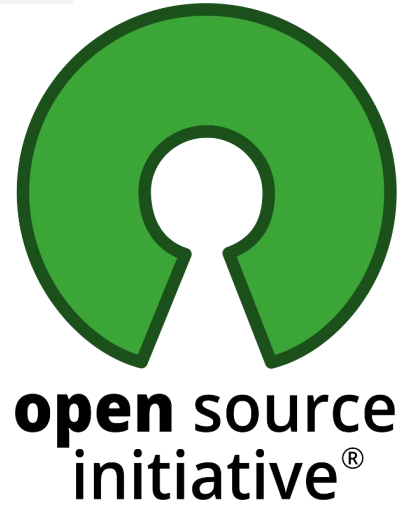
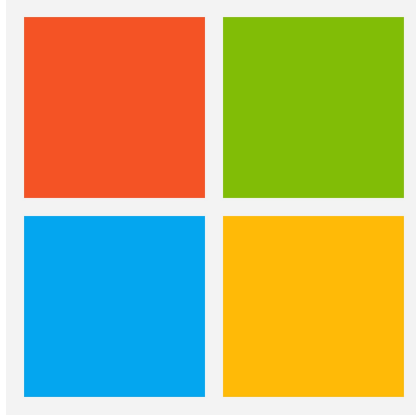
Open Source Initiative

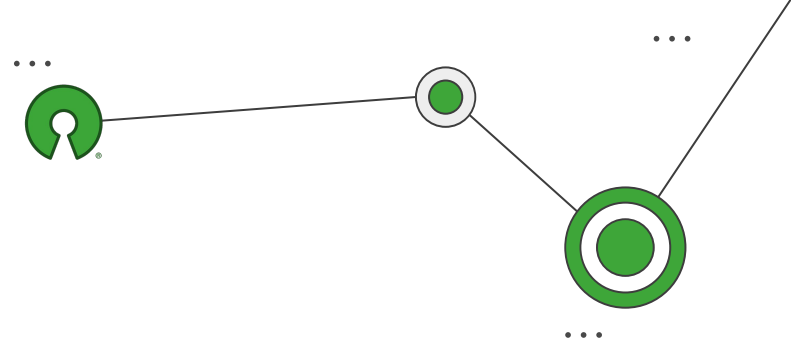
Why Open Source AI
matters: towards a
clear definition



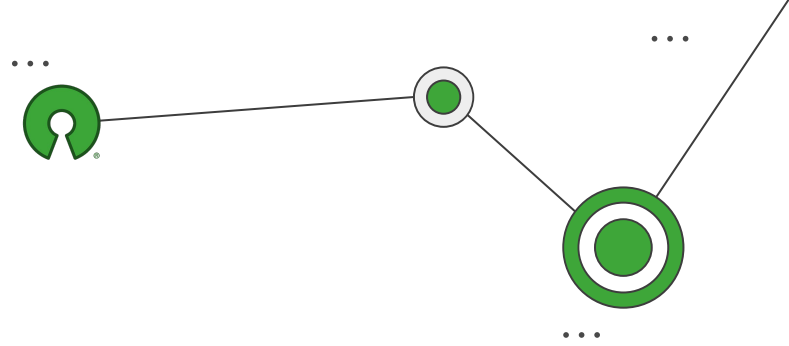
Thanksgiving Day
Halifax, NS
October 9, 2023

About me



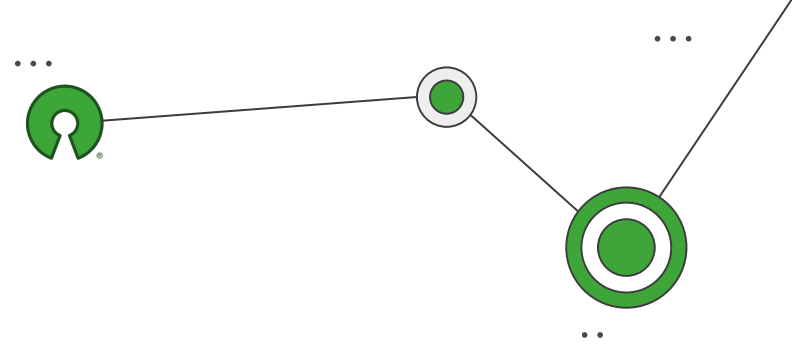


Open Source won.



**Open Source won.
Why?**

Why?

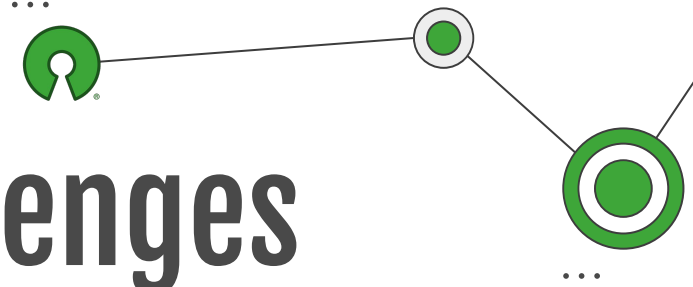


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```

Figure 3. Copyright notice for C language programs first used in the February 1, 1984 distribution of PC/IP and the distributions later that year of the C-Gateway and EGP for the LSI-11.

Winning → new challenges



Security



Product Liability



Artificial Intelligence

Winning → new challenges



Richard Blumenthal  @SenBlumenthal · Jun 6

Meta released its advanced AI model, LLaMA, w/seemingly little consideration & safeguards against misuse—a real risk of fraud, privacy intrusions & cybercrime. Sen. Hawley & I are writing to Meta on the steps being taken to assess & prevent the abuse of LLaMA & other AI models.



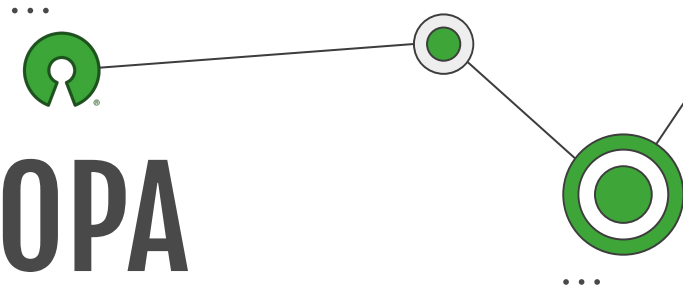
Stefano Maffulli

@ed@opensource.org

The US Senate subcommittee on Privacy Technology and Law asked Meta questions about their “leaked” #AI model LLaMa.

Forget for a moment that this is Meta: I fear that if these questions were asked to any #OpenSource developer we’d all be shaking in fear for the whole ecosystem.

New challenges → OPA



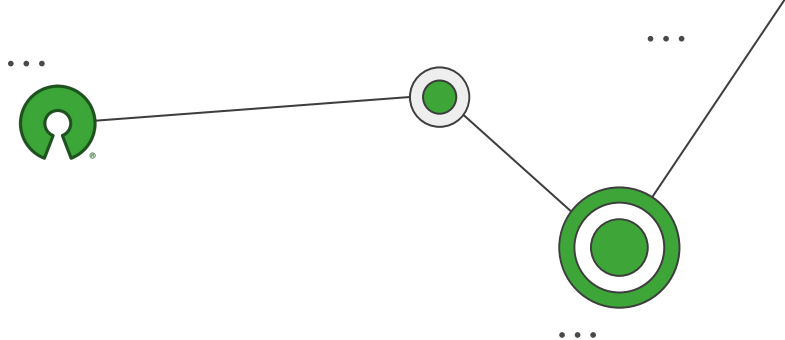
**Global collaboration
Local education**

Bringing non-profit organizations together

What

The Open Policy Alliance is designed to bring non-profit organizations together to participate in educating and informing US public policy decisions related to Open Source software, content, research, and education.

New challenges: AI

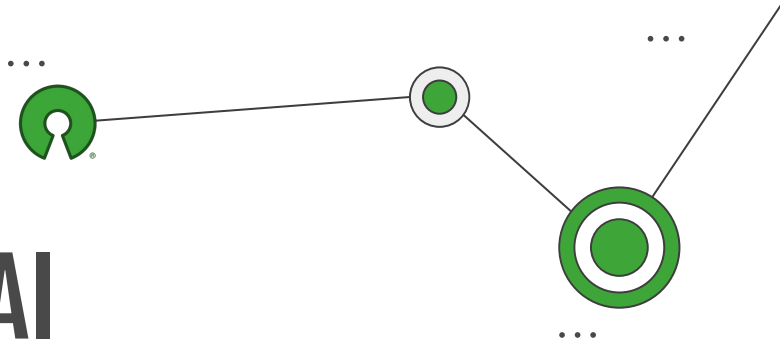


What is the definition of Open Source AI that serves the goals of Open Source:

- **Autonomy**
- **Transparency**
- **Collaborative Improvement**

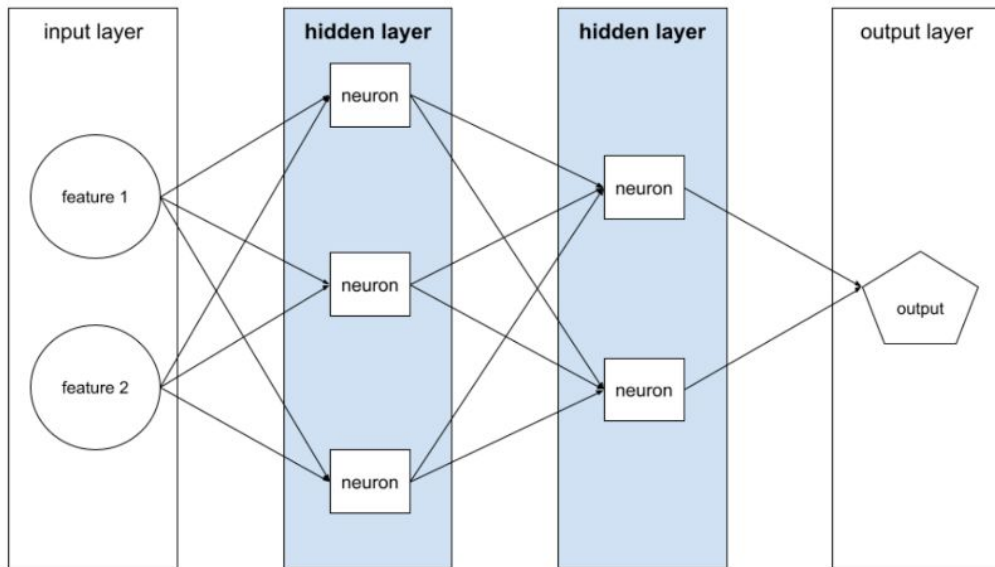
Is the right focus still “preferred form of making modifications to the work?”

New challenges: Defining Open Source AI



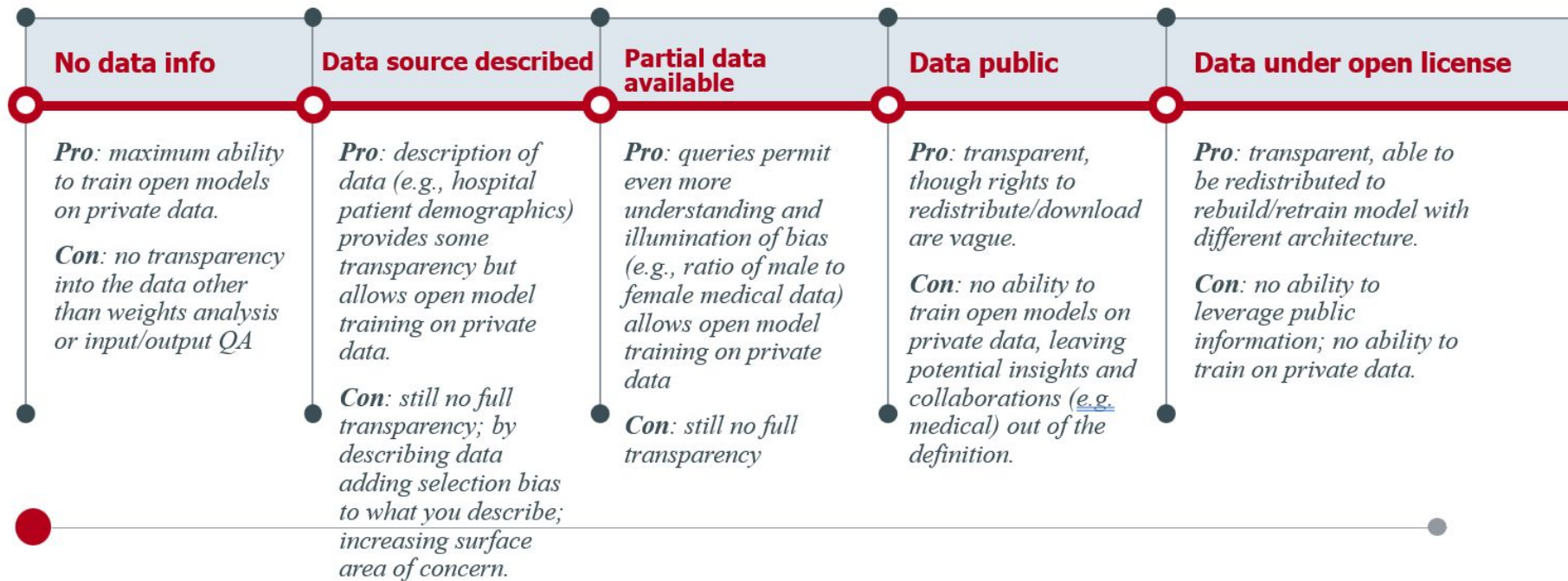
Four parts to an AI System

- **Model architecture**
- **Data:** both in its raw state and prepared datasets for training and testing
- **Learnable parameters:** weights and biases
- **Software:** for training and testing, inference and analysis

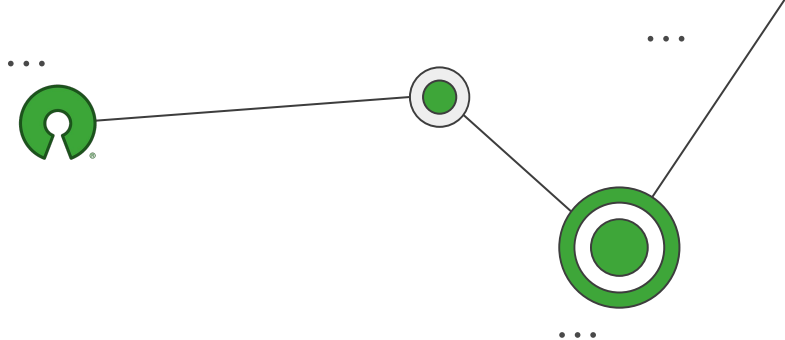


Data in “open” ML models

A spectrum



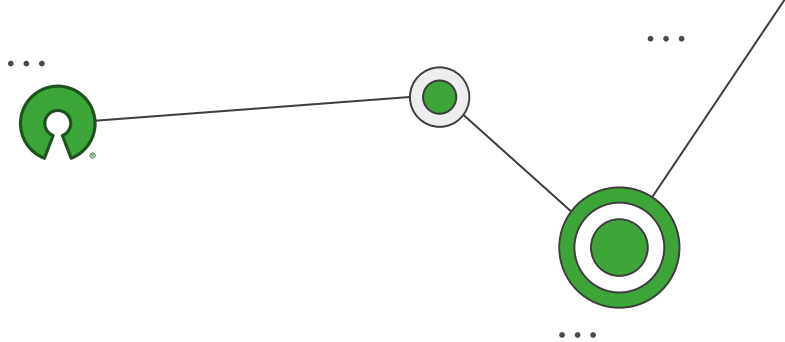
New challenges: AI



Looking ahead: Big questions for Open Source AI as it challenges closed AI

- **Open washing – publicly licensed models allow community optimization but keep upside.**
- **Will there be equal access to (public) data for training?**
- **What is the right scope for exceptions to regulations for Open Source AI development?**
- **How will communities build, govern, and maintain different parts “open source” AI systems?**
- **Will there be a coherent “upstream” for open source AI systems?**

What you can do.



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Join our deep dive conversations: <https://opensource.org/deepdive/>

Join the OPA: <https://opensource.org/programs/open-policy-alliance/>

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