Introduction. Stability AI develops AI technology to help unlock humanity’s potential. Our goal is to make foundational AI technology accessible to all, including through the development and release of open models. AI will drive a wave of creativity, innovation, and productivity, and we are working to put these tools in the hands of everyday creators, developers, and firms.

Background. Stability AI develops a variety of generative AI models. These are software programs that can produce new content such as text, images, video, or audio. We are committed to releasing open models to promote access for all: developers can freely use, integrate, or adapt these models to build new and innovative applications.

- **Stable Diffusion.** In 2022, Stability AI collaborated with research partners to release an open model known as Stable Diffusion. Stable Diffusion is a type of “latent diffusion” model that takes a text prompt from a user and “translates” that prompt into a new image, subject to our ethical use license.\(^1\) By some measures, developer interest in Stable Diffusion has grown faster than any open software project in recent history.

- **StableLM.** In 2023, Stability AI launched the first in a suite of open language models known as StableLM. These models take a text prompt from a user and produce new text or software code. StableLM demonstrates how small AI models can deliver useful performance with appropriate training: StableLM has delivered surprisingly high performance in conversational and coding tasks, even though the first StableLM release was limited to three billion and seven billion parameter models – significantly smaller than models like GPT-3 at 175 billion parameters.

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\(^1\) The [Open Responsible AI License](https://stability.ai/lm-license) prohibits unlawful, exploitative, or misleading use of Stable Diffusion.
Our principles. Stable Diffusion and StableLM demonstrate our commitment to developing models that are transparent, accessible, and human-centric. By developing models in line with these values, we can improve safety and security; foster competition in the digital economy; and unlock the full potential of AI while minimizing the risk of misuse or weaponization.

- **Transparent.** We release open models to promote safety through transparency. Researchers and authorities can “look under the hood” to verify performance, identify potential risks, develop interpretability techniques, and implement safeguards. Organizations across the public and private sector can customize these models for their own needs without exposing sensitive data or ceding control of their AI capabilities to a third-party provider.²

- **Accessible.** We design for the “edge”, building efficient models that are accessible to all – from grassroots developers to small businesses to independent creators. Eventually, users should be able to run AI applications on local devices, and developers should be able to train custom AI models with widely-available hardware. By developing accessible models, we can help to build a fairer digital economy – one that isn’t dependent on a handful of firms for critical technology.

- **Human-centric.** We build models to support our users, not replace them. We are focused on practical AI capabilities that can be applied to everyday tasks – not a quest for godlike intelligence. We develop tools that help everyday people and everyday firms use AI to unlock creativity, boost their productivity, and open up new economic opportunities.

AI models will form the backbone of our digital economy, and we want everyone to have a voice in their design. By thoughtfully releasing open models – with appropriate safeguards – we can encourage public scrutiny of foundational technology, and drive meaningful competition in AI models, services, and applications.

² For example, a regulated financial institution may customize AI models to assist in analysis, decision making, or customer support. The financial institution must be able to audit the performance of the model for reliability; train the model without exposing sensitive customer data to third-parties; and retain full control over their AI model without relying on a third-party model provider. By building on open foundations, a financial institution can train and manage their own AI models.