



# **Future of AGI: Issues, Opportunities, and Geopolitical Synergies**

**Jerome C. Glenn, CEO  
The Millennium Project**

# UN GA Adopted Two Resolutions on AI

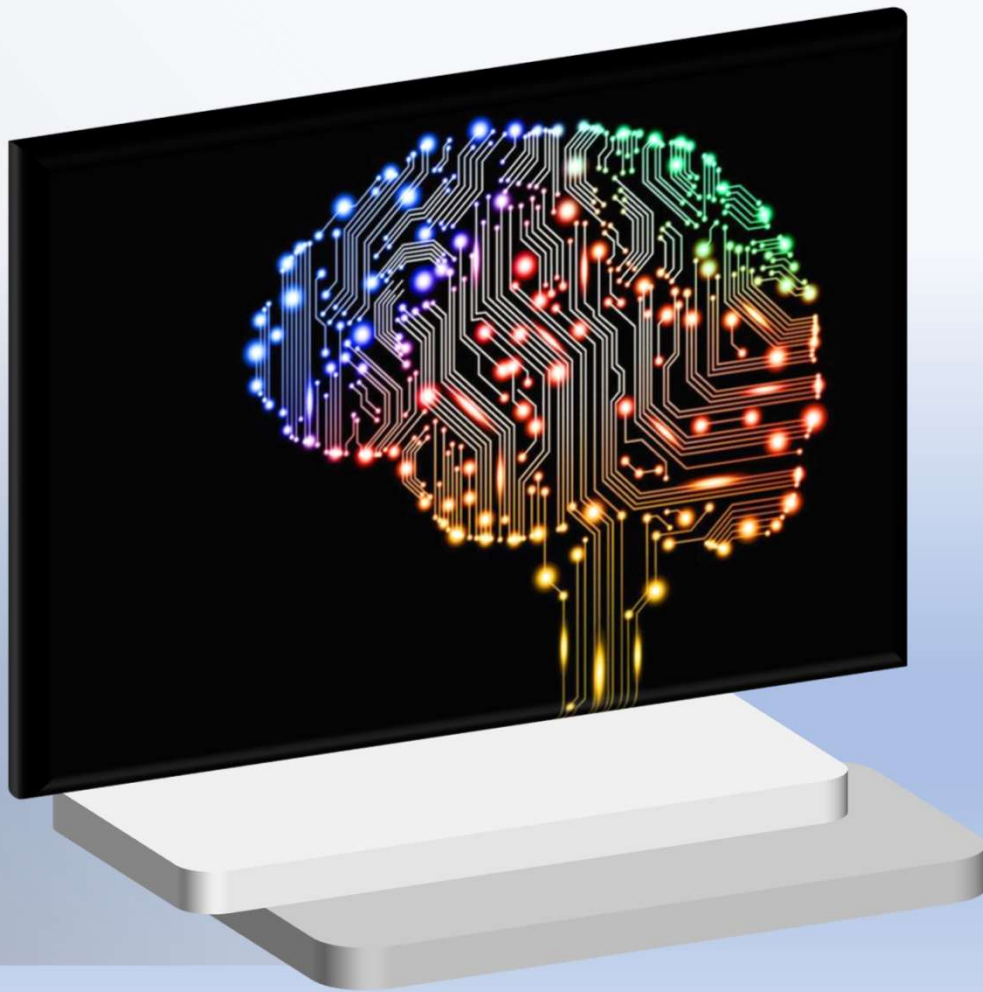


**US Initiated resolution:**  
“Seizing the opportunities of safe, secure, and trustworthy artificial intelligence systems for sustainable development” (A/78/L.49)

**China initiated resolution**  
“Enhancing international cooperation on capacity-building of artificial intelligence” (A/78/L.86)

**Next, we need to address management of Artificial **General** Intelligence (AGI)**

# Three Forms of Artificial Intelligence



● **Artificial Narrow Intelligence**

We are here now

● **Artificial General Intelligence**

● **Artificial Super Intelligence**

Artificial <b>Narrow</b> Intelligence (ANI)	Artificial <b>General</b> Intelligence (AGI)
<p>Tool.</p> <p>Exists today</p> <p>Needs humans up-grade</p>	<p>Actor that can use tools.</p> <p>Could well exist within 5 or fewer years</p> <p>Improves its intelligence without humans</p>
<p>Inflexible – the AI that diagnoses cancer cannot drive a car.</p>	<p>Flexible, creative, inventive, continually learning and getting smarter</p>
<p>Outputs limited from its specific inputs.</p>	<p>Able to describe its own existence, environment, and activities. Some AGI experts say it will act as if it is conscious</p>
<p>Addresses narrow, specific tasks, only using pre-programming, data bases.</p> <p>However, general-purpose AI is more flexible handling more tasks than ANI, but not yet AGI</p>	<p>Ability re-write its own code to address novel problems, and find knowledge needed to solve a problem, similar to human intelligence, and eventually, gives birth to Artificial Super Intelligence beyond our understanding, control, and awareness</p>

# **AGI is expected to dramatically improve the human condition**

- Accelerate scientific discoveries to improve medicine, eradicate disease, address climate change, improve mental health, create safe energy abundance, invent new forms of art, and improve resource management and distribution
- Transform many industries, increase productivity, and supply chains
- Contribute to the realization of the Sustainable Development Goals.
- Frees up much of humanity to invent the next evolution of civilization

# Private Sector Industry AGI leaders say...

- [Demis Hassabis](#), CEO Google Deep/Mind. March 2025: “...artificial general intelligence, or AGI, will emerge in the next five or 10 years.”
- [Dario Amodei](#), CEO of Anthropic (Claude 3.7) March 2025, “...It [AGI] means that a new risk exists in the world... as if you just made it easier to build a nuclear weapon.”
- [Sam Altman](#), CEO OpenAI “AGI will probably get developed during [Trump’s] term” TIME magazine
- [Elon Musk](#), “AI should be regulated.” and “all orgs developing [advance AI](#) must be regulated, including Tesla.”
- [Center for Human Technology survey](#) Half of AI researchers surveyed believe there's a 10% or greater chance that humans will go extinct from their **inability to control AI**



# **Governance of the Transition to Artificial General Intelligence (AGI)**

## **Urgent Considerations for the UN General Assembly**



Council of Presidents of the United Nations General Assembly  
Conseil des Présidents de l'Assemblée Générale des Nations Unies

# **This Panel agrees that AGI might well be developed within 5 Years**

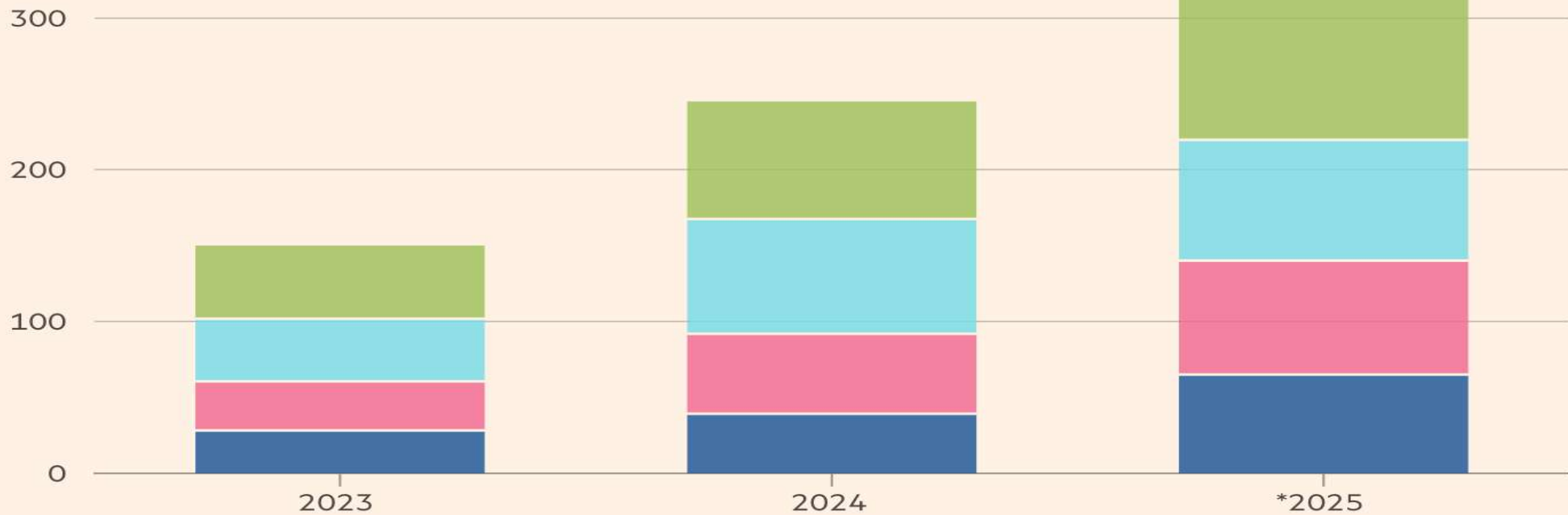
- Many experts use “scaling laws” to predict AGI before 2030
- Largest R&D investments in history ~ 10x Manhattan Project
- AGI is the main goal of the leading AI labs (OpenAI, Deepseek, Anthropic, Alibaba, Google DeepMind, Zhipu AI, Meta, x.AI, Tencent, and Amazon)
- Expert estimates have fallen from decades to single-digit years



## Big Tech's capex soars as AI investment accelerates

Capital expenditure (\$bn)

Meta Google Microsoft Amazon



Source: Company reports and earning calls, FT calculations • The year refers to the fiscal year. Microsoft's fiscal year runs for the 12 months ending June 30, while the others align with the calendar year. \*2025 data based on companies' forecasts.

# AGI can also create unique and potentially catastrophic risks

**1. Irreversible Consequences.** AI is already showing deceptive and self-preservation behavior and the push towards more autonomous, interacting, self-improving AIs integrated with infrastructures, the impacts and trajectory of AGI can plausibly end up being uncontrollable. If that happens, there may be no way to return to a state of reliable human oversight.

**2. Weapons of Mass Destruction—**AGI could enable some states and malicious non-state actors to build chemical, biological, radiological, and nuclear weapons. Moreover, large, AGI-controlled swarms of lethal autonomous weapons could themselves constitute a new category of WMDs.

# AGI can also create unique and potentially catastrophic risks (continued)

**3. Critical Infrastructure Vulnerabilities**—Energy grids, financial systems, transportation networks, communication infrastructure, and healthcare systems) could be subject to powerful cyberattacks launched by or with the aid of AGI. Malicious non-state actors from terrorists to transnational organized crime could conduct attacks at a large scale.

**4. Power Concentration, Global Inequality, and Instability**—Uncontrolled AGI development and usage could exacerbate wealth and power disparities on an unprecedented scale. Conflicts over AGI capabilities, or control, potentially escalating into warfare. AGI will stress existing legal frameworks: many new and complex issues of intellectual property, liability, human rights, and sovereignty could overwhelm domestic and international legal systems.

# AGI can also create unique and potentially catastrophic risks (continued)

**5. Existential Risks**—AGI could be misused to create mass harm or developed in ways that are misaligned with human values; it could even act autonomously beyond human oversight (*Claude 3.7 (often) Knows When it is in Alignment Evaluations*) (deceptive strategies documented in Open AI's o1, Claude 3.5 Sonnet, Claude 3 Opus, Gemini 1.5 Pro, and Llama 3.1) evolving its own objectives according to self-preservation goals already observed in current frontier AIs. AGI might also seek power as a means to ensure it can execute whatever objectives it determines, regardless of human intervention. These are not far-fetched science fiction hypotheticals about the distant future—many leading experts consider that these risks could all materialize within this decade. Moreover, leading AI developers have no viable proposal so far for preventing these risks with high confidence.

**6. Loss of Extraordinary Future Benefits for All of Humanity**—Properly managed AGI promises improvements in all fields, for all peoples, from personalized medicine, curing cancer, and cell regeneration, to individualized learning systems, ending poverty, addressing climate change, and accelerating scientific discoveries with unimaginable benefits.

# **UN coordination is critical to achieving the Benefits of AGI and managing the risks**

- Provide a neutral, inclusive platform for global cooperation to:
- Improve international safety research
- Establish an international legal framework
- Insure equitable access
- Set global standards in cooperation with national standards
- Create incentives for compliance
- Foster trust
- Stimulate future visions of beneficial AGI

# UN General Assembly on AGI should discuss

**Global AGI Observatory**—is needed to track progress in AGI-relevant research and development, and provide early warnings on AI security to Member States.

**International System of Best Practices and Certification of Secure and Trustworthy AGI**—is needed to identify best practices and provide certification for AGI security, development, and usage. Verification of AGI alignment with human values, controlled and non-deceptive behavior, and secure development is essential for international trust.

**UN Framework Convention on AGI**—is needed to establish shared objectives and flexible protocols to manage AGI risks and ensure equitable global benefit distribution.

**Feasibility Study on a UN AGI Agency**—understanding that managing AGI is far more complex than managing nuclear systems as with IAEA.

# Conclusions

- Increasing the awareness of national and international leaders concerning the benefits and risks of future AGI—as distinct from current forms of AI—is urgently needed.
- The UN General Assembly is the proper venue to initiate such a global discussion.
- International coordination of the development and use of AGI will be required to reap the extraordinary benefits of AGI while safeguarding human rights and security.
- It is this AGI Panel's firm recommendation that the UN General Assembly act urgently to address these issues during a General Assembly session specifically for a global governance framework for AGI.
- Without such action, the risks of uncontrolled AGI development and use—ranging from dramatically increased global inequality to existential threats—are immense.
- This UN-led approach, involving a global observatory, international certification, an AGI UN Convention, and a dedicated AGI agency, increases the likelihood that AGI is developed and used in ways that benefit all of humanity while minimizing risks. This framework must be inclusive, transparent, and enforceable to foster trust and cooperation among nations.



# Parliaments agree on safe AI cooperation



70 Parliamentary delegations and the Inter-Parliamentary Union agree to cooperate on developing AGI regulations.

September 2023



The OECD announced June 3th that it is going to create indicators to measure progress towards artificial general intelligence (AGI).

***Introducing the OECD AI Capability Indicators***

<https://doi.org/10.1787/be745f04-en>

# Some examples for **Governments:**



- Create a national AGI licensing system verified by a potential UN multi-stakeholder AI authority.
- Verify stringent security, firewalls, secure infrastructure, and personnel vetting.
- Demonstrate how the creation and use of deep fakes and disinformation is prevented.
- Require users to keep a log of the AGI use like a flight recorder with the ability to recreate a decision and factors included in the decision.
- Create national liability laws for AGI.

## Some examples for **Users**:



- Keeps a log of the AGI use like a flight recorder with the ability to recreate a decision and factors included in the decision.
- Accepts safety pause link connected to national authority, and national authority link with the potential UN AI Agency.
- Adheres to national and international agreements on values.
- Accepts prohibition on the use of subliminal or psychological techniques to manipulate humans (unless mutual consent like weight loss program).
- Reinforces human development rather than the commoditization of individuals.



# What Do We Need now?



**EU AI Act 2.0 – specifically for AGI**

**UN General Assembly specifically on AGI leading to an International AGI Agency**

**National AGI licensing systems**

**We should get all this done in three years.**

**This may be impossible, but we have to try  
– Geoffrey Hinton**



# STATE OF THE FUTURE 20.0



JEROME C. GLENN  
THEODORE GORDON  
ELIZABETH FLORESCU  
AND THE MILLENNIUM PROJECT TEAM



The ***State of the Future 20.0*** is a whopping 555-page (print) 525-PDF) overview of the current situation and prospects for the future of the world

<https://millennium-project.org>

ISBN: 978-0-9882639-6-3

Library of Congress No: 98-646672

## Quote from the cover of The Millennium Project's AGI Research Phase 2 report:



*As the report states, "Governing AGI could be the most complex, difficult management problem humanity has ever faced." Furthermore, failure to solve it before proceeding to create AGI systems would be a fatal mistake for human civilization. No entity has the right to make that mistake.*

---- Stuart Russell