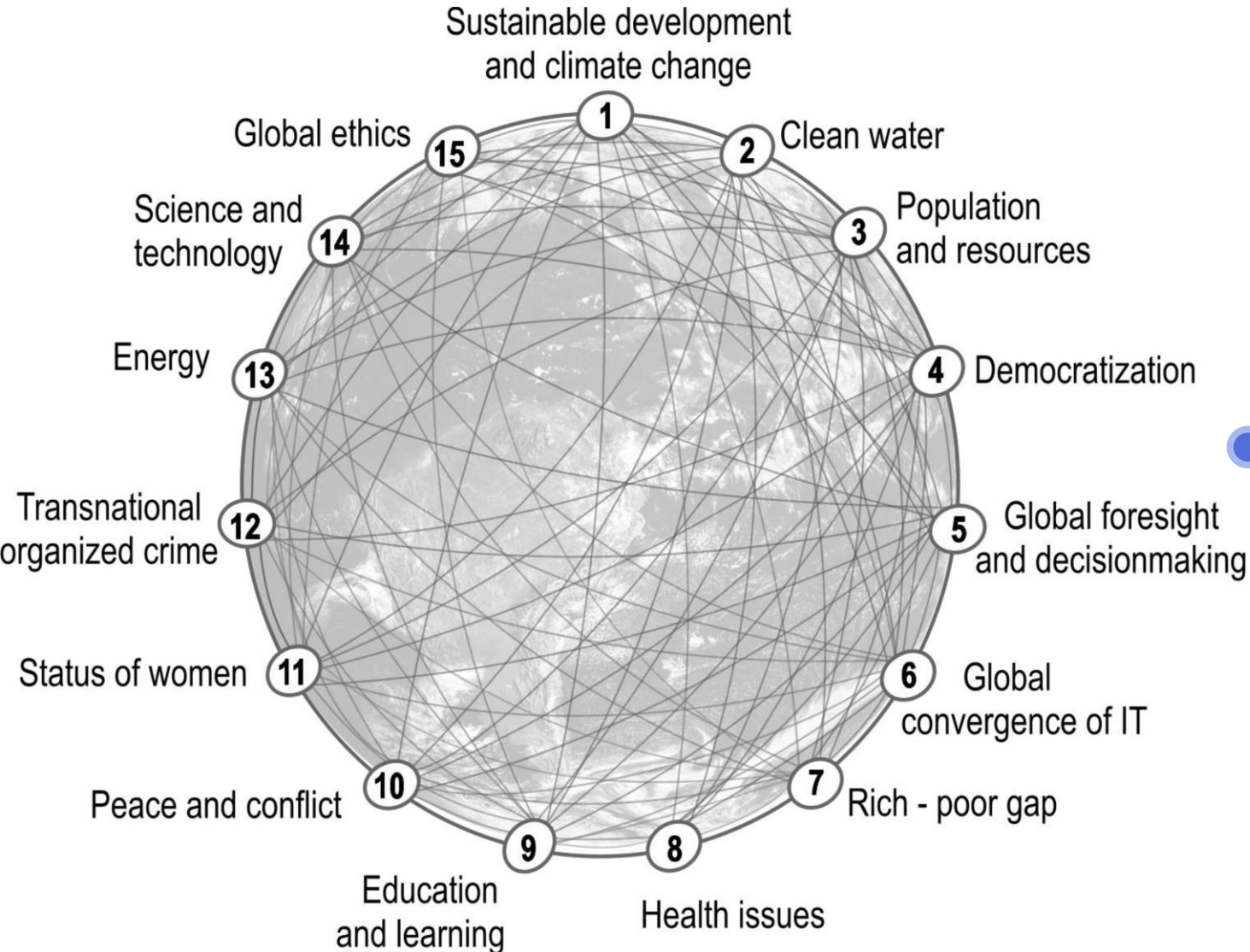


Agenda for the Future:

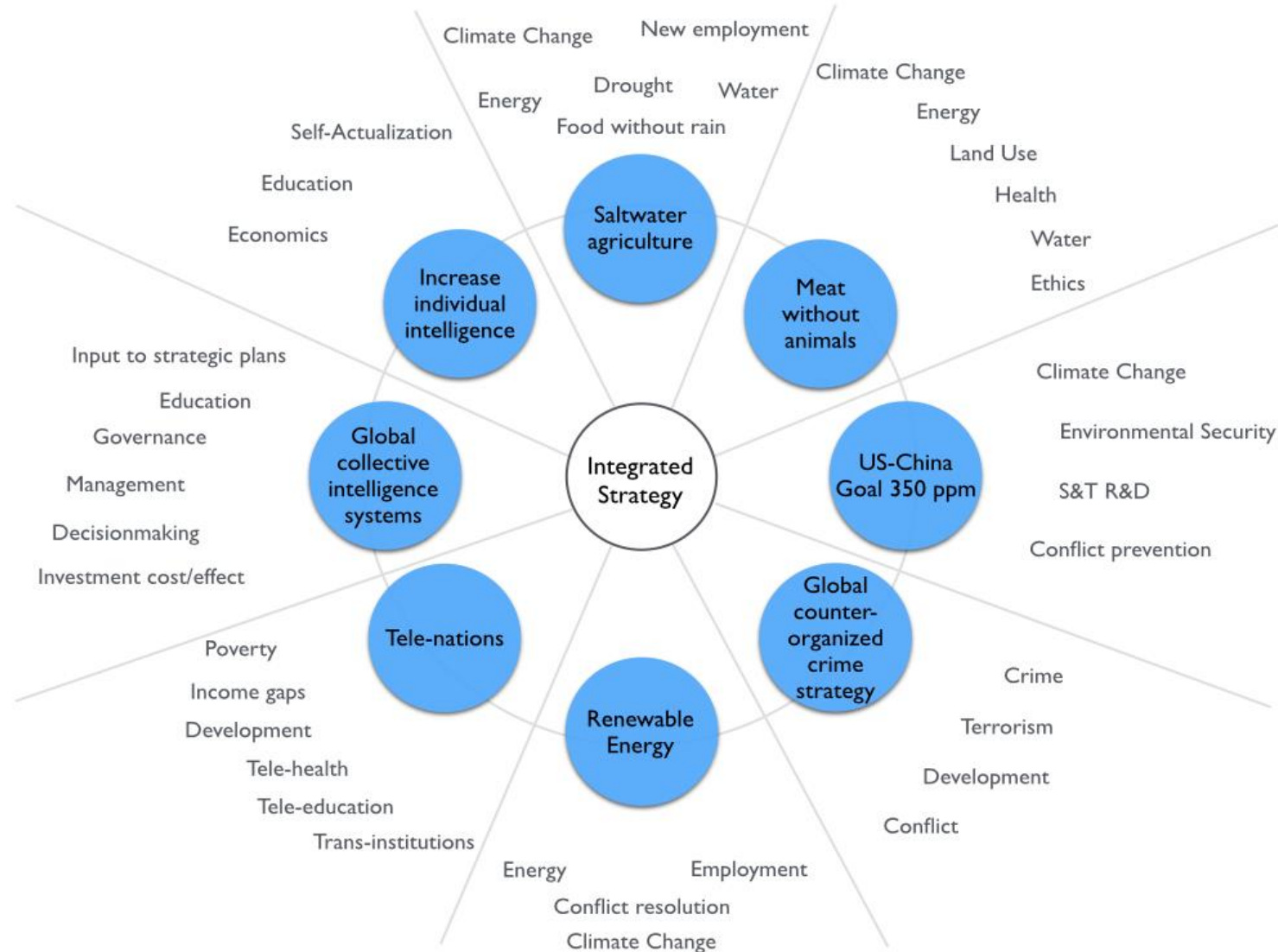


15 Global Challenges

Jerome C. Glenn, CEO

The Millennium Project

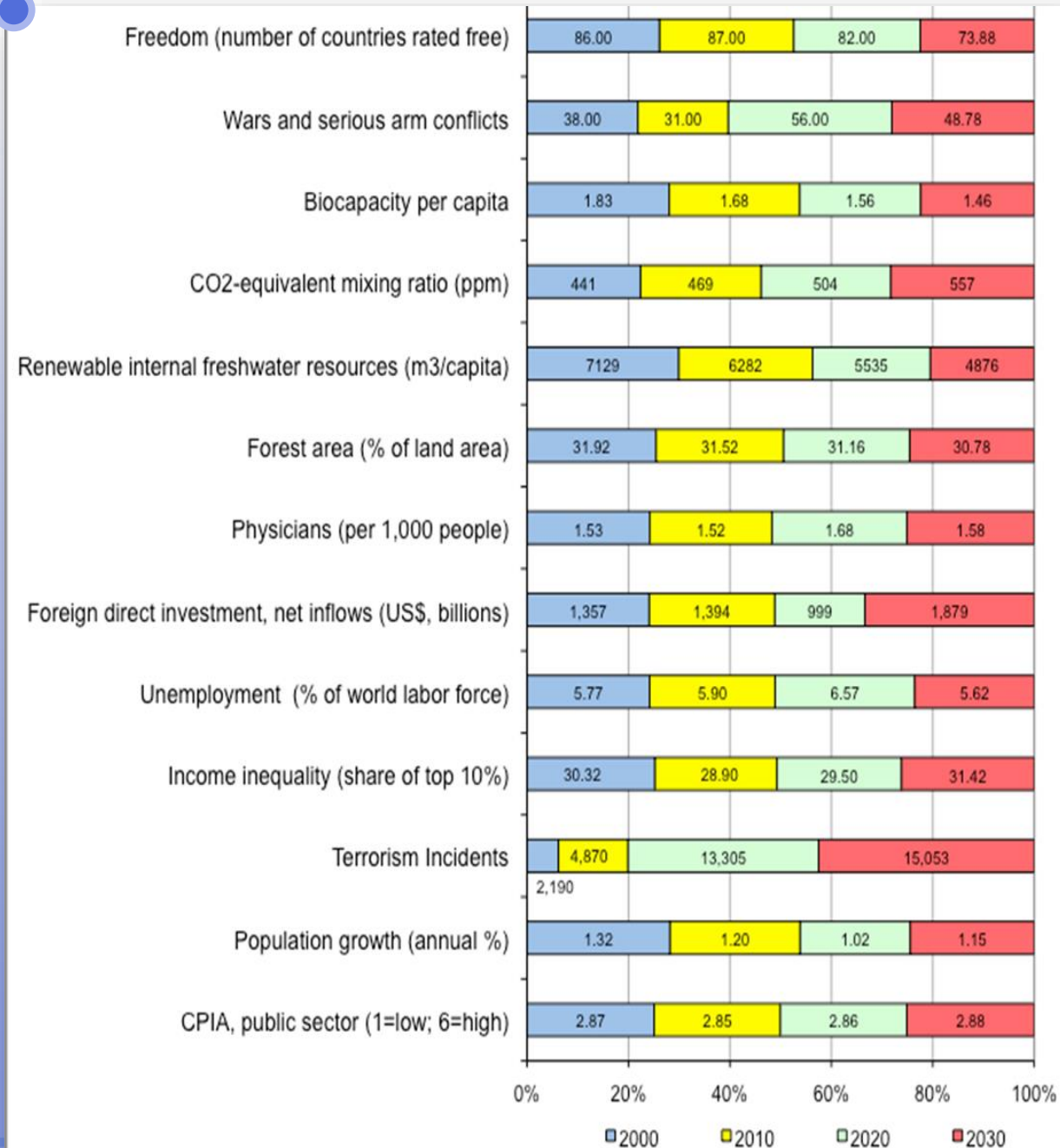
High Impact Strategies to Address Global Challenges



Where we are winning



Where we are losing or change is unclear



Some Insights from The Millennium Project



- 1 ***State of the Future Index*** shows that humanity is winning more than it is losing, but where we are losing is very serious.
- 2 Humanity has the answers to these problems, but “zero-sum” geopolitical power competitions prevent a global policy process for implementing these solutions.
- 3 We have to create synergetic relations among countries, corporations, academia, NGOs, and UN systems to address these problems and to achieve opportunities.
- 4 Covid has given the world its first global “time out” to re-think everything.
- 5 The pandemic, global warming, and future AI is forcing humanity to develop global policy processes and global governance systems.

Potential Political Transition from Zero-Sum to Synergy



Transition from zero-sum political power to...

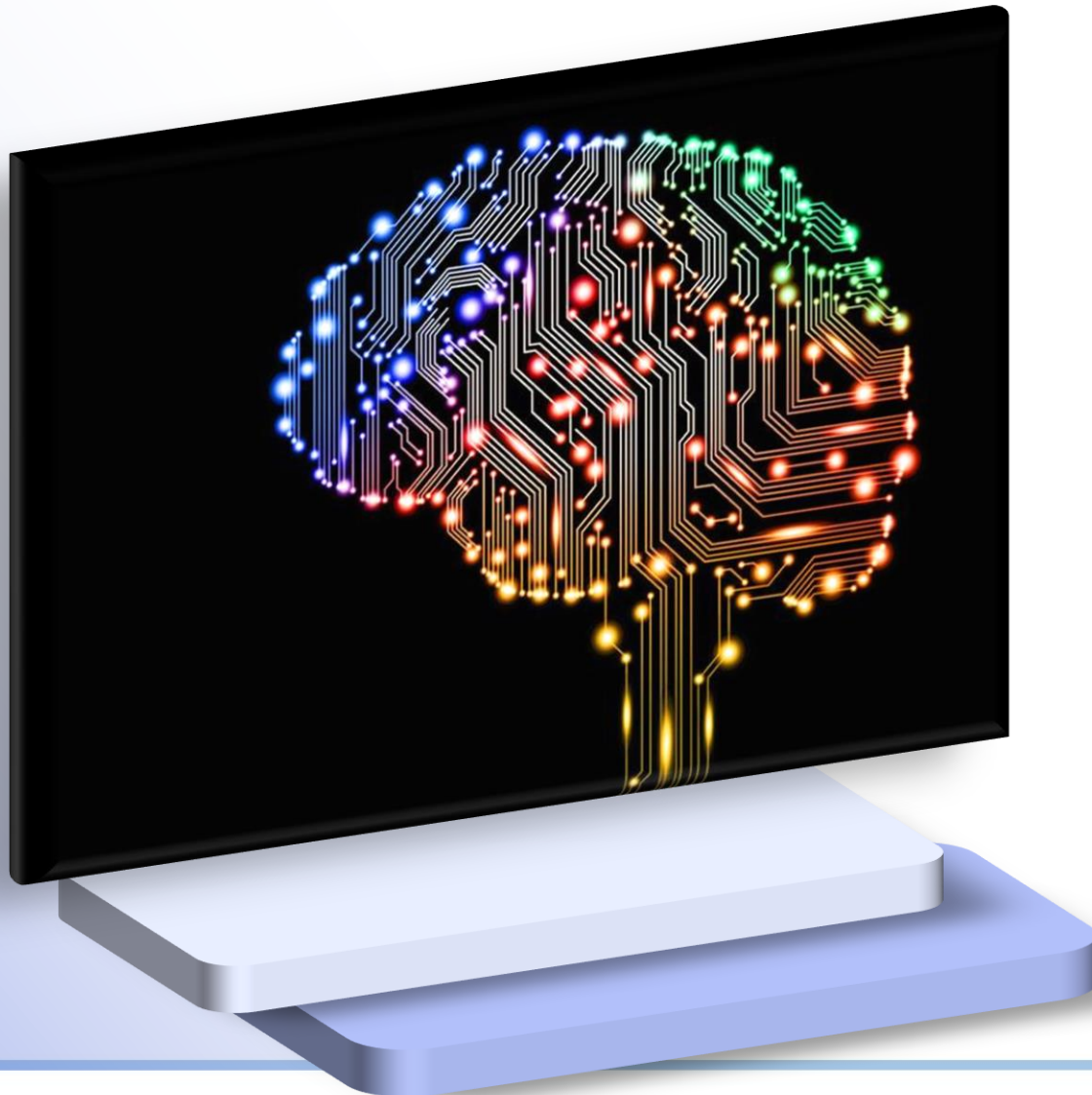
Synergies among governments, business, academics, NGOs, and international organizations...

Moving toward a “Self-Actualization Economy” and increasing merger of human consciousness and technology



What should lower column do to those on the row	UN Summit on the Future, Futures Lab, Global Foresight Reports	OECD Government Foresight Community	Parliamentary Committees for the Future	Dubai Initiative Global Future Society
UN Summit on the Future, Futures Lab, Global Foresight Reports	---	Study OECD reports, communicate with government foresight units in preparation for the Summit	Formal notification for their participation in preparation for the Summit	Request think tanks input to their government's preparation
OECD Government Foresight Community	Workshop Gov. foresight Community prep for UN Summit, input and review of UN report drafts, define relationship with UN Lab	---	Define gov- parliament relationships on futures research. Government Foresight Community should encourage their Parliaments to create permanent Com for the Future.	Participate in Dubai Future Forums; recommend issues to be included.
Finland's Initiative on Parliamentary Committees for the Future	Work with their governments and futurists to prepare for the summit; read MP's study on UN Foresight Elements for other preparation suggestions	Establish relations with OECD government Foresight Com. Representatives; Consider legislation OECD research finds important	---	Participate in Dubai Future Forums; recommend issues to be included, identify legislation implications from the Forums and the Global Future Society
Dubai Initiative Global Future Society	Global Future Society reps in Summit planning, report prep, and part of the UN Lab network	Participate in annual GFC conferences.	GFS should encourage their Parliaments to create permanent Com for the Future.	---

Three Forms of Artificial Intelligence



Artificial **Narrow**
Intelligence

Artificial **General**
Intelligence

Artificial **Super**
Intelligence

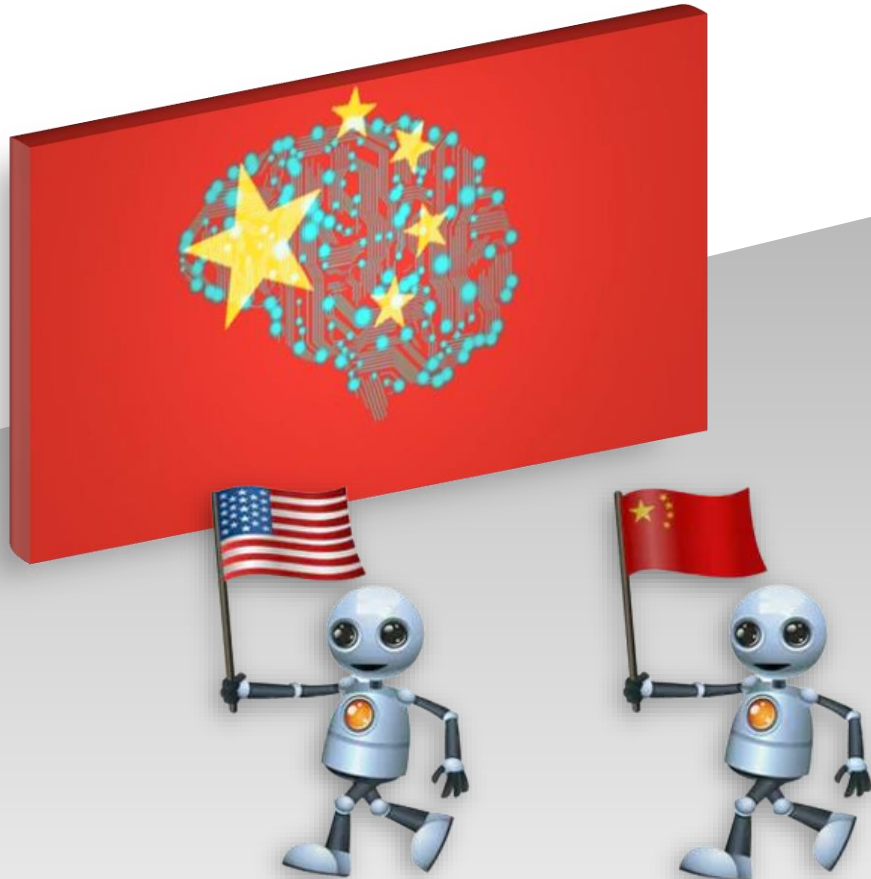
Artificial General Intelligence sets its own goals independent of human awareness and understanding



Who ever leads AI... rules the world - Putin



China Goal: Lead the World in AI by 2030



Human Brain Projects:

USA, EU, China

Artificial Brains:

IBM, Google, Facebook, Baidu,
Microsoft, Alibaba, Apple, Amazon

The Great AGI/Brain Race is on!

AI will Make This Combination Far More Powerful...



...Making Democracy and Free Markets...

...An Illusion





Let's Avoid This

We may rush into creating AGI without making sure its initial conditions are “right.”



- **Examples of some potential “right” initial conditions:**
- Values agreed to for ANI (ISO, IEEE, OECD) and Asimov’s three laws of robotics.
- Massively complex simulation to test AGI’s alignment with values.
- Ability for humans to check why the AGI is doing something.
- Ability to distinguish between how we act vs. how we should act.
- Ability to determine why and how it failed or caused harm.
- Self-replication with human supervision.
- Cannot turn off its own off switch.
- Guard rails to catch unanticipated behavior that triggers evaluation or audit.
- Able to be continually audited and shut down if it fails the audit.

Humanity needs to think together about the future in an organized and accumulative way



- *The Global Futures Intelligence System*



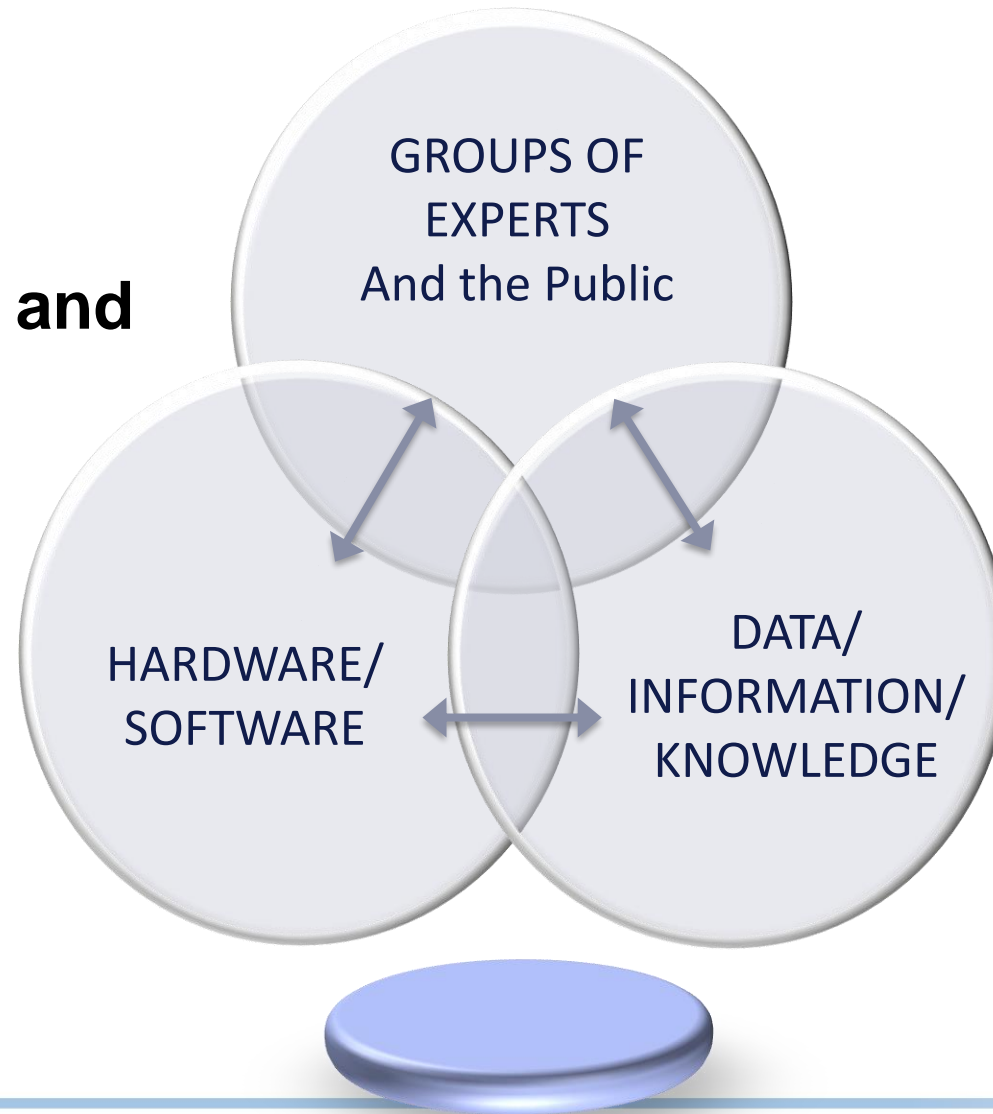
The UN Futures Lab
may create this with
all Committees
for the Future participating

How to Keep Track of All This?

Collective Intelligence Systems



Improving integration and synergies among...



Producing Collective Intelligence

We have the Future in our Hands



For More information:
Millennium-Project.org



For further information

www.millennium-project

Jerome.Glenn@millennium-project.org

