



Geneva Science and
Diplomacy Anticipator Foundation



Quantum Diplomacy Game



Name of your Event

Anticipate scientific breakthroughs

Agenda

Introduction

- Introducing the GESDA Science Breakthrough Radar
- The Quantum Diplomacy Game in a nutshell

Seeing the future

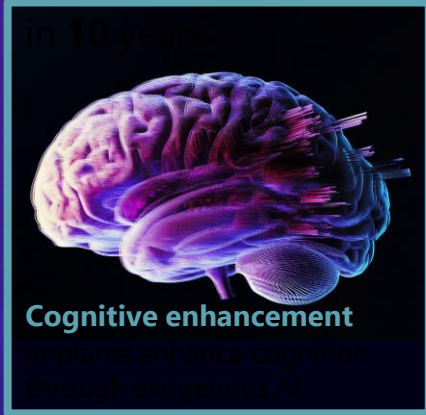
Using the future to build the present

Debriefing

- Navigating a new area marked by science breakthroughs and geopolitical tensions

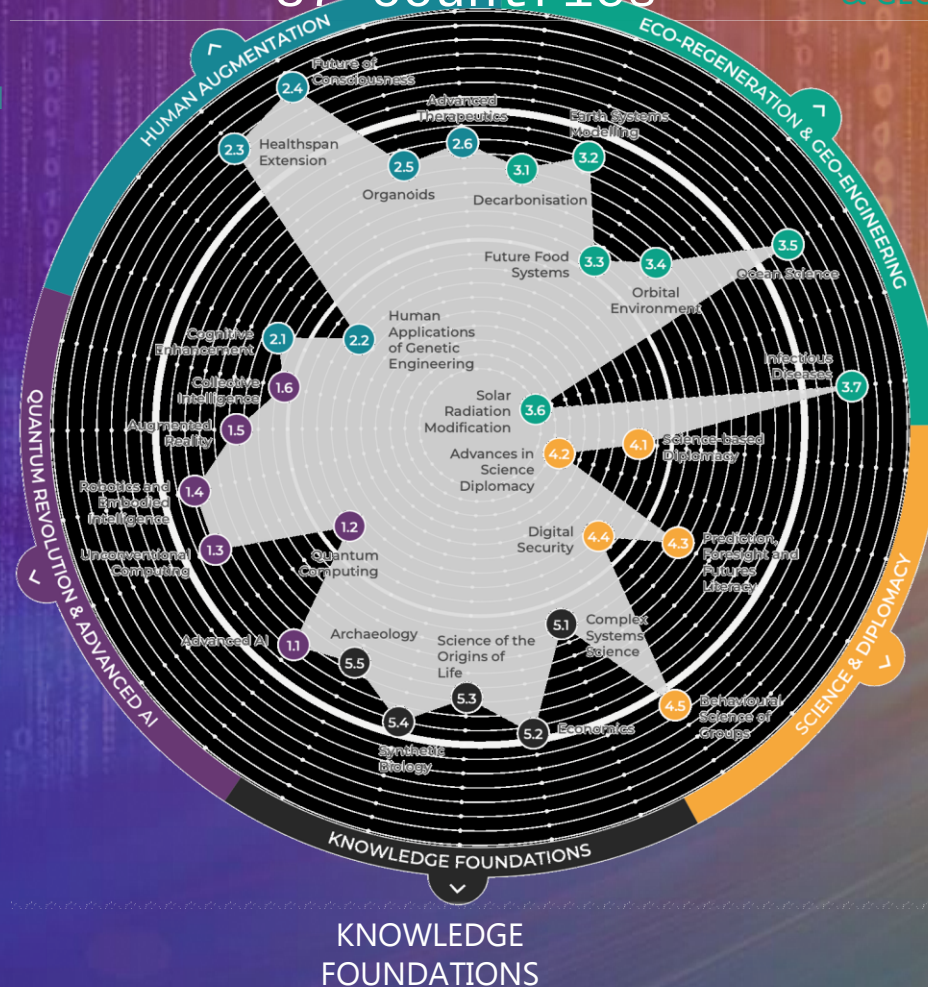
The GESDA Science Breakthrough Radar®

2100+
scientists from
87 countries



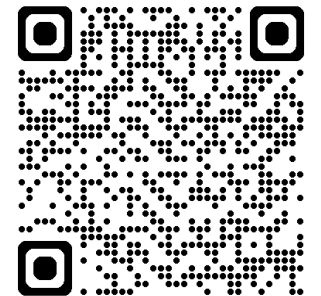
HUMAN
AUGMENTATION

QUANTUM
REVOLUTION &
ADVANCED AI



not science
fiction but
possible futures
in 5, 10, 25

SCIENCE &
DIPLOMACY

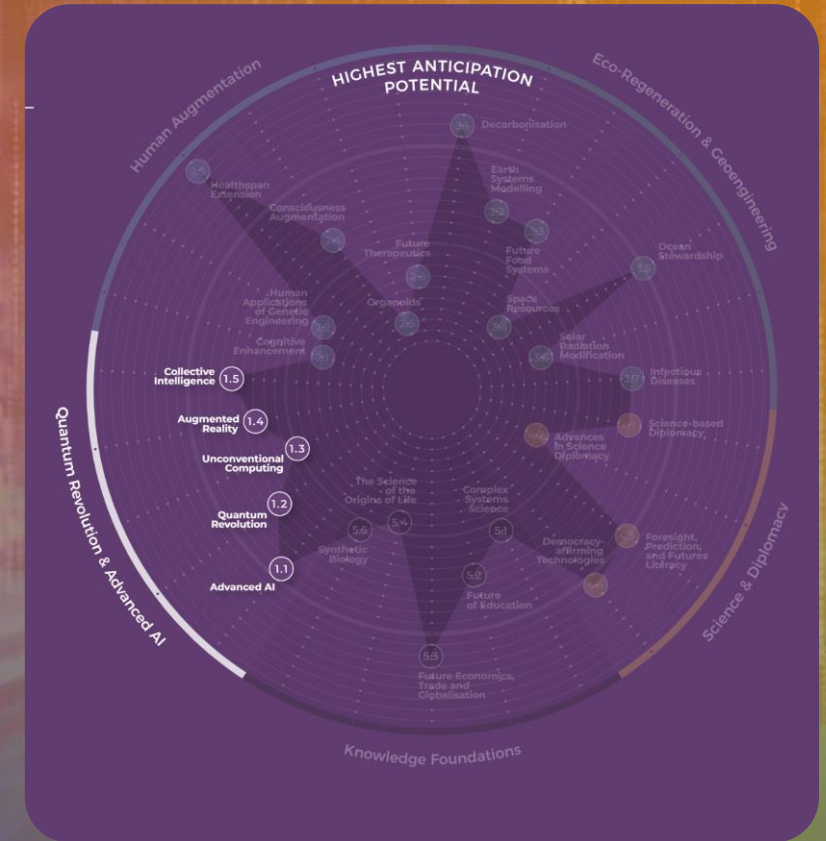


TREND:

1

Quantum Revolution & Advanced AI

- Quantum computing is coming of age. It is world of probabilities rather than clear cause and effect.
- The ecosystem is getting bigger and stronger.
- Quantum computing hardware is developing, but still far away from scalable devices.
- To date, no useful quantum advantage has been shown in practice, but progress has been faster than expected.



The Quantum Diplomacy Game

Collectively fostering international collaboration, education, and anticipatory governance in the emerging field of quantum technologies.

1

Collaborative events with diplomatic community, including Swiss embassies around the world.

2

Game embedded in Quantum Diplomacy events at institutions such as ITU, CERN, the World Bank.

3

Contributions to global forums like the International Quantum Forum

4

Complementing regional quantum ecosystem events like QISTcon.ph to advance global dialogue on quantum diplomacy.

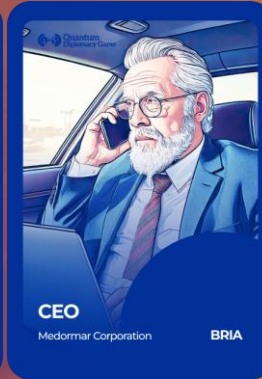
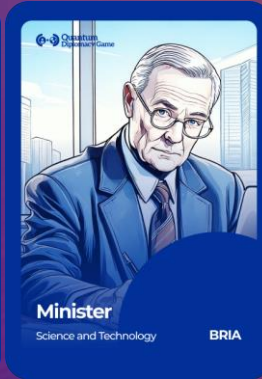
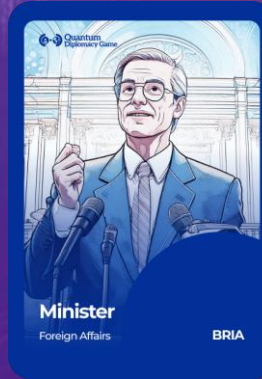


Anticipate scientific breakthroughs

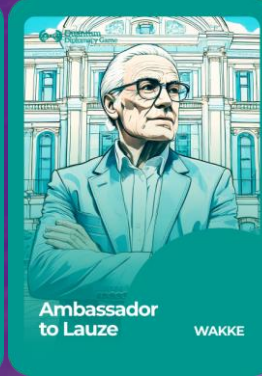
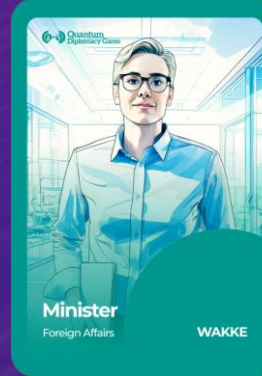
UNESCO



Bria



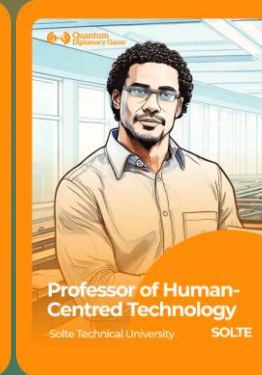
Wakke



Lauze

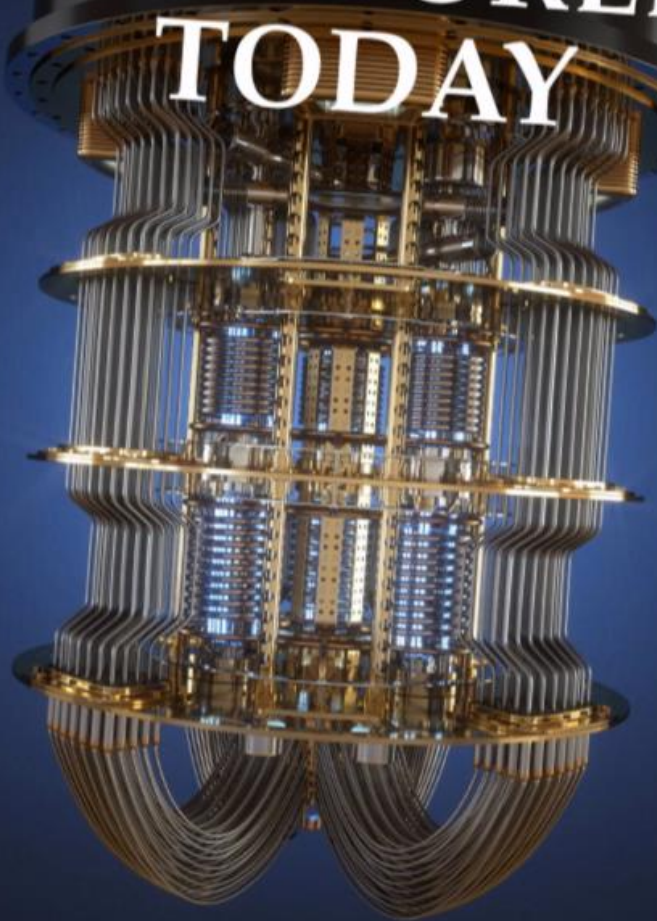


Solte



Seeing the future

January, 2034

THE WORLD
TODAY

THE QUANTUM BREAKTHROUGH

The Quantum
BreakthroughLauze's new 100,000 qubit
quantum computer
first results

Quantum computing is here,
and it's going to transform the world.

Quantum computing is a reality, and it's only going to get more powerful from here. At the end of last year, an international research team, in collaboration with Betude Corporation, completed the first ever 100,000 qubit quantum computer at Lauze National University. The implications for where this achievement can lead in terms of applications are immense.

Quantum computers will enable researchers and developers to study the most important questions the world faces today, which have previously been impractical to solve with any classical computers. From modelling climate change to identifying new drugs in medical research to discovering new materials - there's no field of science that will be left untouched. Suffice to say, real-world

use cases of quantum computing have been highly anticipated.

The quantum race has only just begun. Lauze National University's first 100,000 qubit quantum computer, is only inspiring other teams to accelerate their efforts. In Bria, scientists are on-track to launch the country's very own 120,000 qubit quantum computer later this year. With Bria scientists excluded from the development of Lauze's quantum computer, Bria started its own national quantum computing project. The result can only be for everyone's benefit: after all, competition breeds innovation, and the world will benefit from the fastest, most powerful quantum computers to solve our most pressing issues.

January
2034

SOLTETIMES

05.03.2034 • kr2.50 • 16 pages

Bria-based QCS to help build Solte's first quantum computer

Global consultancy firm QCS will help build a state-of-the-art quantum computer in collaboration with Solte Technical University, according to a joint statement by QCS and the Solte Ministry of Technology.

QCS will directly work with the Quantum Research Group at the Solte Technical University, with the aim of developing a state-of-the-art

quantum computer that will primarily be used to assess climate change modelling and to identify which parts of Solte's infrastructure require additional investment for resilience-building.

QCS, which is based in Bria, is also working with Bria National University, supporting the country's efforts to build a national 120,000 qubit quantum computer.



THREAT OF
DEVASTATING
DROUGHT IN
WAKKE:
UNITED NATIONS
INTERNATIONAL
BRIA-LAUZE
BORDER
STANDOFF:
WHAT WE KNOW

INTERNATIONAL

Ad in, accusam fuge, vel
maximam, si semper
deliquit, quibus pro
maxima, utrum, corpora
re re de cum de et deliquit,
apud et quodque inlander
quantum fuge. Ut volent
quam quodque quibus
si committent aut et laud
laud volent aut, tunc max
im, quibusdam, de et
accusam delicta pro aut

January
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The Quantum
Breakthrough





Solte contracts
QCS to build
quantum computer

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The Quantum
Breakthrough



Researchers at Bria National University, have successfully identified a material that can trap greenhouse gas emissions and help keep climate



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The Quantum
Breakthrough



Februar
y
2035

Quantum
could help
greenhouse
emissions



December
2035



Solte contracts
QCS to build
quantum computer



"Carbon mitigating
technology should be
global public good
Emissions"

January
2034



March
2034



February
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May
2035



July
2035



August
2035



November
2035



December
2035



The Quantum
Breakthrough



Quantum computing
could help curb
greenhouse
emissions





Geneva Science and
Diplomacy Anticipator Foundation

SOLTE TIMES

Bria-based QCS to help build Solte's first quantum computer

Global consultancy firm QCS will help build a state-of-the-art quantum computer in collaboration with Solte. Technical assistance, including infrastructure support, will be provided by QCS and the Solte Ministry of Technology. QCS will directly work with the Quantum Research Group at the Solte Technical University, with the aim of developing a state-of-the-art quantum computer.

Solte contracts
QCS to build
quantum computer

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The Quantum
Breakthrough



February
2034

Quantum
could
green
emis



LAUZE POST

CAPITAL EDITION • 24 PAGES • P2.30

Helium price up by 600%, 'Bria export ban to
blame'

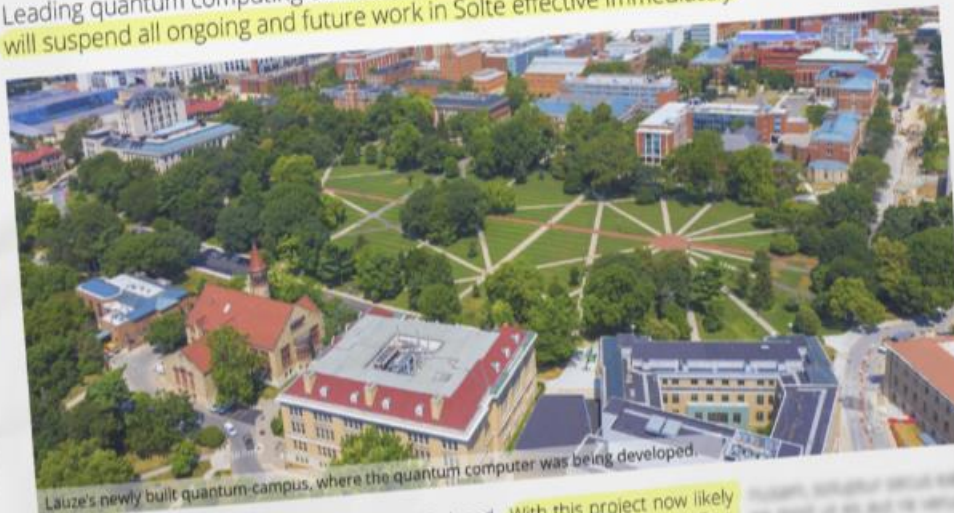
ECONOMY, PAGE 11

Bria blocks Solte scientists from research at
Bria National University

WORLD, PAGE 17

QCS Suspends Quantum Computing Operations in Solte

Leading quantum computing consultancy firm QCS announced on Monday that it will suspend all ongoing and future work in Solte effective immediately.



The move comes on the heels of Bria classifying quantum computing as a 'restricted good', banning all quantum computing-related exports from the nation. As a result, Bria-based companies like QCS have been forced to cease operations in other countries, including Solte.

In March 2031, QCS signed a commission agreement with the Government of Solte to assist in building a quantum computer, which would be used to model climate change and identify which parts of Solte require investment for increased infrastructure resilience.

With this project now likely to be cancelled, the Government of Solte expressed "considerable disappointment" towards the recent announcement by the Bria Minister for Foreign Affairs & Trade.

December
2035



Solte contracts
QCS to build
quantum computer

January
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The Quantum
Breakthrough



March
2034



February
2035



Quantum
could help
greenhouse
emissions



NOVEMBER, 2035

THE WORLD TODAY



Crisis
Quantum Breakthrough

Will politics end quantum computing
before it begins?

November
2035



December
2035





Solte contracts
QCS to build
quantum computer



"Carbon mitigating
technology should be
global public good
Emissions"



Solte Quantum
Project placed
on hold

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The Quantum
Breakthrough



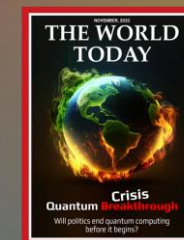
Quantum computing
could help curb
greenhouse
emissions



Bria places export
controls on
quantum-related
good and services



The Quantum Crisis



The deadlock at the United Nations continues, with the UN General Assembly discussing the ongoing quantum computing crisis that

How did we get there?

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Solte contracts
QCS to build
quantum computer



"Carbon mitigating
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Emissions"



Solte Quantum
Project placed
on hold



United Nations
discuss ongoing
crisis

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The Quantum
Breakthrough



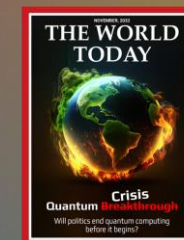
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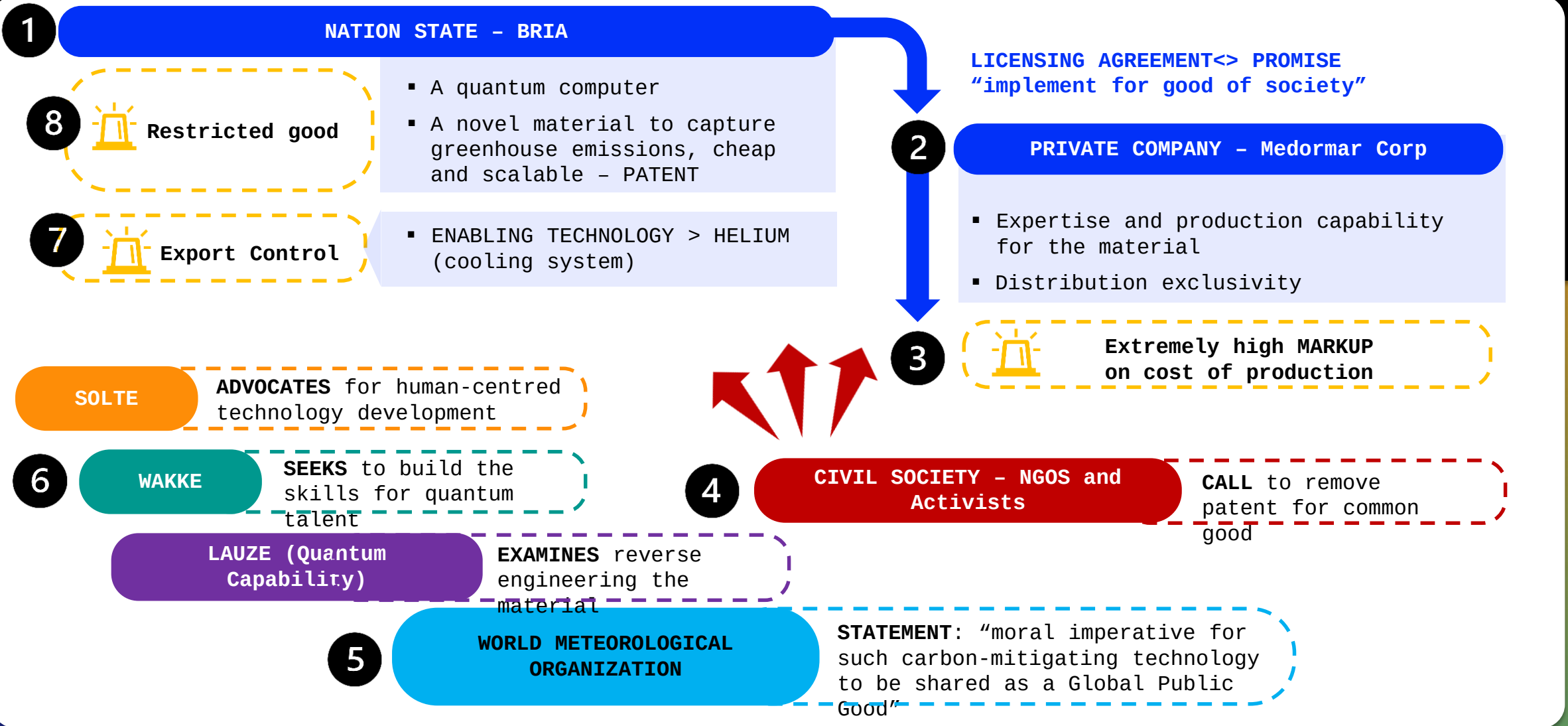


The Quantum Crisis



2035

Quantum computers can address complex computationally tasks, solving previously intractable problems. A few nation states have quantum computer systems operated by research institutions, but the technology is still inaccessible for most.



Let's rewind to 2025

Use the future to
build the present

Think creatively about the
world you want to help
create

Can you advance towards an agreement on...?

❑ Intellectual property rights and regulation

How can we balance universal access with incentives for innovation?

⚖️ Ethics & social license?

How do we build awareness and societal acceptance for quantum technologies?

🌐 Scientific and cultural cooperation

How do we manage tensions over access, control, militarization, and dual-use risks?

💻 Hardware and supply chain access

How do we build resilient quantum computing infrastructure?

🔒 Security & weaponization

How do we prevent the misuse of quantum computing by rogue actors or in military contexts?

📖 Capacity building & brain drain

How do we build global capacity while preventing talent and data from concentrating in a few powerful countries?

Debriefing

- **How should we govern technologies that have fundamental implications** for our personal identity, autonomy, and responsibility? What are the social, ethical, political considerations?
- **What is the role of diplomacy** in directing the development of neurotechnology towards beneficial use cases and avoid exacerbating divides and power imbalances?
- **How to balance innovation with regulation?** What would ideal regulation look like?
- **Why is it important to think about long-term governance** before science breakthroughs and their applications become widespread? How can we regulate before we know what a future technology might do?
- **How can multilateral institutions become more anticipatory** and proactive in the governance of emerging technologies? What is the interplay between national and international governance?
- **What are the roles and responsibilities of the different stakeholders and communities** (researchers, governments, industry, philanthropy and publics) in this process?
- **How to protect researchers and operationalize the 'right to science'** in the current geopolitical climate? While protecting citizens from the potential harms and risks from scientific innovations?

Navigating a new area marked by science breakthroughs and geopolitical tensions

Science anticipation

Identify and scope out the major scientific advances with the highest potential to reshape humanity and the planet, as GESDA does for five-, ten- and 25-year timescales.

Global action

Prototype early multilateral solutions and frameworks that maximise the benefits of future science advances and minimise their potential risks.

Honest brokering

Convene and connect diverse communities to discuss and align early on the implications and applications of emerging science, thus expanding the scope for action in the present.

Capacity building

Empower communities and leaders with the tools to anticipate, understand, harness and govern emerging science for the benefit of humanity.

<https://www.gesda.global/a-new-report-by-gesda-anticipatory-science-diplomacy-a-global-framework-for-action/>

