OQI Charter

Description:

The Open Quantum Institute (OQI) is a multilateral governance initiative that promotes global and inclusive access to quantum computing and the development of applications for the benefit of humanity. As a novel science diplomacy instrument, it brings together research, diplomacy, private sector and philanthropy stakeholders. OQI is hosted by CERN during its pilot phase (2024-2026).

Mission:

- **Accelerating applications for humanity:** Realising the full potential of quantum computing to have the widest possible societal impact by accelerating the development of use cases geared towards achieving the United Nations' Sustainable Development Goals (SDGs) and succeeding framework[1], thanks to the combined forces of researchers, developers and entrepreneurs from academia and private sector as well as the United Nations, and large NGOs.
- **Access for all**: Providing global, inclusive and equitable access to a pool of public and private quantum computers and simulators available via the cloud.
- **Advancing capacity building:** Developing educational tools to enable everyone around the world to contribute to the development of quantum computing and make the most of the technology.
- **Activating multilateral governance for the SDGs:** Providing a neutral forum to help shape multilateral governance of quantum computing for the SDGs.

Values:

- Inclusivity, global scope.
    - Enable people from all countries, regardless of whether they have any quantum computing capability of their own, to benefit from and to participate in the development of (i) quantum computing applications that address global challenges, in particular those that are closely related to their own specific challenges, and (ii) the multilateral governance of quantum computing for the SDGs.
- Openness.

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[1] The Summit of the Future is a once-in-a-generation opportunity to enhance cooperation on critical challenges and address gaps in global governance, reaffirm existing commitments including to the Sustainable Development Goals (SDGs) and the United Nations Charter, and move towards a reinvigorated multilateral system that is better positioned to positively impact people's lives. Building on the SDG Summit in 2023, Member States will consider ways to lay the foundations for more effective global cooperation that can deal with today's challenges as well as new threats in the future.

- Share experiences, knowledge, and methods for the benefit of all, following [Open Science](#)[2] best practice.
  - Make openly available the results – outcomes of joint activities related to the OQI mission conducted by the OQI community – to society via open repositories and/or through the use of open licences.
- Focus on impact.
  - Ensure that applications are developed for their quantum computing potential to tackle real-world problems that will benefit humanity.
  - Consider and balance their ethical, legal, and societal implications.
- Independence
  - Enable everyone to participate free from individual, national, corporate or any other agendas.
  - Develop applications with a technology neutral approach.
- Collaboration
  - Foster a community of diverse expertise, backgrounds and geographies, enabled by international cooperation and diplomacy.

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[2] Open science is defined by the United Nations Educational, Scientific and Cultural Organization (UNESCO) as "an inclusive construct that combines various movements and practices aiming to make multilingual scientific knowledge openly available, accessible and reusable for everyone, to increase scientific collaborations and sharing of information for the benefits of science and society, and to open the processes of scientific knowledge creation, evaluation and communication to societal actors beyond the traditional scientific community."