



13. October 2023 Innovation Promotion

GESDA Foundation announced the launch of an Open Quantum Institute (OQI)



The GESDA Foundation announced, in Geneva on Friday, the launch of an Open Quantum Institute (OQI) in partnership with the Swiss Federal Department of Foreign Affairs (FDFA), CERN and UBS.

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The aim of the OQI is to make high-performance quantum computers available to all the people interested with finding solutions to accelerate the implementation of the UN's sustainable development goals (SDGs) in the fields of health, energy, climate protection and any relevant domain of application.

The announcement of the launch of the OQI was made public today as part of the **“Geneva Political Talks on Science and Diplomacy”** that were held at the brand-new CERN Science Gateway during the Geneva Science and Diplomacy Anticipation Summit organized by GESDA. Now in its second year and with participation of 10 countries, this ministerial meeting, organized jointly by the Swiss Ministry of Foreign Affairs (FDFA) and GESDA Foundation, raises awareness of the merits of science diplomacy among invited countries.

The OQI, designed and then incubated by GESDA with 130 partners from all over the world, will be embedded as of March 1, 2024, at CERN as part of its program of activities and supported by UBS.

Quantum for All

The overarching goal of the OQI is to find ways to enable quantum computing to have the widest possible societal impact by promoting and facilitating access to quantum resources and technical quantum expertise. This will be achieved by:

- facilitating the exploration of quantum computing use cases that could help accelerate the achievement of the SDGs by connecting quantum technology experts (from industry, research institutions and universities) with



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- representatives of governments and relevant international organizations.
- enabling inclusive and equitable access to a pool of public and private computers and simulators available in the cloud.
 - developing educational tools, targeting users from underserved regions. Specific deliverables include the development of best practices on how to involve players from underserved regions in the use of quantum computing and the compilation of an initial inventory of OQI training instruments.
 - based on the practical experience and lessons learned from the work within the OQI, contributing to discussions at scientific level, among governments and with international organizations around quantum computing and the SDGs, to anticipate an open, inclusive, fair and equitable future governance of this new technology.

GESDA – Geneva Science and Diplomacy Anticipator

GESDA focusses on science and diplomacy anticipation. The goal of the Foundation is to explore how advances in science and technology can most efficiently be translated into and used as tools for the benefit of humanity as a whole. It wants to interlink the digital revolution with other disruptive fields of science and with the diplomacy world.

Website

<http://www.gesda.global>



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