

**37 Proposal for the proclamation by the United Nations of 2025 as an international year of quantum science and technology** (216 EX/37; 216 EX/PG/1.INF.3; 216 EX/DG.INF Rev.; 216 EX/50)

The Executive Board,

1. Having examined document 216 EX/37,
2. Considering that greater global awareness and understanding of the role of quantum science and technology in modern life is vital in addressing challenges in areas such as sustainable development, energy and community health, and for improving the quality of life across the world,
3. Stressing that quantum science and technology is vital for economic advancement and for the application of science and the implementation of new technology, including for the basic needs of food, health, sustainable cities and communities, communications, clean water, energy and the mitigation of risks from extreme weather and climate change,
4. Noting the broad and significant impact of recent initiatives of UNESCO's capacity-building programmes in science and technology and the enthusiastic commitment of the scientific community to continue to work with UNESCO on international coordinated capacity-building programmes in quantum science,
5. Also noting that this initiative does not have financial implications for UNESCO's regular budget, and encouraging UNESCO Member States, non-governmental organizations (NGOs) and other partners to provide funds to reinforce the activities related to an international year of quantum science and technology,
6. Recognizing that it is vital to ensure that existing gains from previous UNESCO initiatives in science and education are effectively followed up and strengthened,
7. Also recognizing the commitment of UNESCO and its Member States to the 2030 Agenda for Sustainable Development,
8. Further recognizing the need to address the issue of gender inequalities in science by showcasing eminent role models in quantum science and developing programmes to encourage more women and girls to consider research in quantum science as a career, and to engage more girls through outreach actions in schools,
9. Decides to:
  - (a) welcome and endorse the recommendation to proclaim 2025 international year of quantum science and technology;
  - (b) include this item in the agenda of the 42nd session of the General Conference;
  - (c) recommend that the General Conference, at its 42nd session, adopt a resolution in this regard;
  - (d) invite the Director-General to support all efforts leading the United Nations General Assembly to proclaim 2025 international year of quantum science and technology.

(216 EX/SR.5)