Annual report 2025

QCousins Department

Coordinators: Paweł Gora
Vice-coordinators: Kenneth Olisa Isamade
Other members: Zeki Seskir, Maksims Dimitrijevs, Lorraine Majiri, Ioannis Theodonis, Ini Ukut, Amrit Chhetri, Jagjeet Chauhan, Abdulmalik Baitulmal, Paula Onuoha, Harsh Mehta, Mariana Filipova, Mateusz Anuszewski, Sk Saif Ibna Ezhar Arko, Marcin Klaczak

No. of active members of the Department: 16
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Evaluations of QCousins for 2025

No. of QCousins at the end of 2025

Criteria of evaluation:

- **Active QCousin:** sent us a yearly report and organized at least 1 workshop (or another event) based on QWorld materials in 2025
- **Partially-active QCousin:** sent us a yearly report, did not organize workshop based on QWorld materials in 2025, but organized other events
- **Almost inactive QCousin**: did not send us the yearly report or there were almost no events, but we know that the QCousin exists and would like to be active in the future
- **Inactive QCousin:** did not send us the yearly report and we know that the group does not want to be active in QWorld anymore or we see that the team is not strong or active enough to continue.

No. of active QCousins: 17 (QCzech, QItaly, QLibya, QNepal, QNigeria, QPoland, QBulgaria, QTurkey, QIran, QIndia, QBangladesh, QLebanon, QTunisia, QCanada, QSaudiArabia, QHongKong, QEgypt)
No. of partially-active QCousins: 6 (QAlgeria, QLatvia, QMexico, QSouthAfrica, QBosnia, QBrasil)
No. of almost inactive QCousins: 6 (QHungary, QPakistan, QMorocco, QColombia, QSlovenia, QCameroon).
No. of inactive QCousins: 12 (QSlovakia, QGreece, QRussia, QRomania, QIreland, QZimbabwe, QSpain, QFrance, QGhana, QLuxembourg, QGermany, QUAE).

QCousins that sent their yearly reports

1. QAlgeria
2. QCzech
3. QItaly
4. QLibya
5. QMexico
6. QNepal
7. QNigeria
8. QPoland
9. QBulgaria
10. QTurkey
11. QSouthAfrica
12. QIran
13. QIndia
14. QBosnia
15. QBangladesh
16. QBrasil
17. QLebanon
18. QTunisia
19. QCanada
20. QSaudiArabia
21. QHongKong
22. QEgypt
23. QLatvia

Did not send reports, but seems to be almost inactive:

1. QHungary
2. QPakistan
3. QMorocco
4. QColombia
5. QSlovenia
6. QCameroon

Inactive/suspended QCousins:

1. QSlovakia

2. QGreece
3. QRussia
4. QRomania
5. QIreland
6. QZimbabwe
7. QSpain
8. QFrance
9. QGhana
10. QLuxembourg
11. QGermany
12. QUAE

QCousins and their yearly reports

1. QAlgeria

Opinion from a QCousin's Head: **partially active**
Head(s): Mohamed Taha Rouabah
Month and year of being formed: 2024
QWorld-wide activities:
QNexus (Introductory QC course, QBronze-like)
Feb 15–17, 2025 — 200 participants

- Plenary sessions by Prof. Taha Rouabah
- Workshops:
    1. Quantum Machine Learning
    2. Variational Quantum Algorithms
    3. Quantum Key Distribution

Local events:

1. **Tech Trends Days: From Agentic AI to Quantum Computing**
   Larbi Ben M'hidi University – Oum El Bouaghi, Algeria
   May 28–29, 2025
    - Talk by Prof. Taha Rouabah
    - Workshops: QKD & QML
2. quscitech25 – First Workshop on Quantum Science and Technology
   University of Medea, Algeria
   June 24, 2025
    - Prof. Rouabah served on the scientific committee
    - QAlgeria supported organization

3. AIQuest – Quantum Edition
   ESI SBA
   May 2025

Contributions to QWorld in 2025:
QTraining for QBronze workshop

- Abdellah Tounsi — Certified Instructor
- Mouheymen Khamadja — Certified Instructor

Plans and goals for 2026:

- Reach a wider audience and grow membership.
- Increase activity of current members.
- Organize at least **2 workshops**.
- Organize quantum computing seminars.
- Organize the next **QNexus** event (register as an official QWorld event).
- Create new educational materials.

Additional information we would like to share:
➔ Open to organizing events in collaboration with other QCousins.
➔ Moderate social media profiles (including LinkedIn).

Feedback from the QCousins Department:
It would be good to organize a few workshops based on QWorld materials.

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2. QCzech

Opinion from a QCousin's Head: Active
QCzech is a QCousin organized by quantum computing researchers, students, and educators in the Czech Republic. The group continues to play a key role in advancing quantum education, workshops, and community engagement across multiple institutions. In 2025, QCzech expanded its activities beyond a single university and strengthened collaborations with national research institutes and international partners.
Head: Aurél Gábris & Vojtěch Dedek
No. of active members: 8 (previously 10)
QCzech contributors:
Aurél Gábris, Vojtěch Dedek, Magdalena Parýzková, Štěpán Skálka, Eliška Krátká, Denisa Vítková, Jan Veselý, Ivana Miháliková, David Chudožilov, Dominik Váňa

QWorld-related workshops organized in 2025:
QBronze — Quantum Programming Workshop
Nov 23–28, 2025
53 diplomas awarded
QSilver — Quantum Programming Workshop
(Details not specified)

QTalk Series — Quantum Technologies Talks

Oct 23, Nov 6, Nov 13, 2025

~10–15 participants per session

Highlights included:

- Ivana Miháliková: How Symmetry Makes Quantum Problems Easier
- Tomáš Novák: Introduction to Quantum Key Distribution
- Lukáš Kaisrlík: Protecting Against the Quantum Threat
- Ondřej Král (IBM)
- Talks and lab visits at Czech Technical University, Technical University of Ostrava, and the Czech Academy of Sciences
- Special lecture by Dr. Martin Friák on quantum computing research

Other activities in 2025:

Prague Quantum Hackathon

June 18–20, 2025

16 participants (including 4 DigiQ students)

Hosted by Czech Technical University in Prague, supported by IBM Quantum

Qiskit Fall Fest 2025

Oct 25, 2025

Co-organized with CTU

Included:

- QBronze and QSilver workshops (online)
- Hybrid talk sessions across three institutions
- Multi-institution collaboration (CTU, Ostrava University of Technology, Czech Academy of Sciences)

Contributions to QWorld in 2025:

ADEQUATE Contributions

- Content development and review
- Management and QClass mentoring
- In-person public workshop presentations

  Total contribution: ~166 hours

  Contributors: Eliška Krátká, Aurél Gábris, Jan Veselý

QBoard

- Aurél Gábris — Vice-chair (~40 hours)

Management Board

- Aurél Gábris — Chair (~80 hours)

Plans and goals for 2026:

- Expand beyond Czech Technical University by involving members from other institutions across the Czech Republic
- Organize Qiskit Fall Fest (including workshops and talk sessions)
- Host a national quantum hackathon (with preparatory workshops)
- Apply for funding from regional government youth and cultural programs

Strategic goal:

Build a broader, nationally connected quantum community

Sustainability plan:
Develop QCzech as a student-led organization by encouraging early student involvement and leadership development throughout academic progression
Additional note for 2026:
Support from QWorld in organizing hackathon preparation workshops would be highly valuable
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3. QItaly

Opinion from a QCousin's Head: active

QItaly is a QCousin organized by quantum computing researchers and educators from Italy. QItaly officially entered the initialization phase in March 2024 with the organization of the first workshop (remote and in person in the Cagliari Digital Lab framework) in collaboration with the team from CRS4, and Dlab. QItaly's headquarter is hosted by the Bioscences and Computational Infrastructures, Smart Projects and Quantum Computing (BCISP_QC) Sector at CRS4-Center for Research Development and Advanced Studies in Sardinia, a non-profit research organization.
Head(s): Giuliana Siddi Moreau
Board members: Manuela Profir, Lorenzo Pisani and Maria Laura Clemente
No. of active members: 11

QWorld-related workshops organized in 2025:

1. QBronze153, February 2025. 139 registrations, 58 certificates.
2. QNickel20, March 2025. 320 registrations, 92 certificates.

All workshops received credits from the University of Cagliari.

Other activities in 2025:

- Supporting CRS4 in the organization of "Incontri divulgativi" (in person and remote talks in Italian, in the Cagliari Digital Lab framework).
- Collaborating for the organization of "Settimo incontro divulgativo" (co-organized with CRS4 in the Cagliari Digital Lab framework, featuring a live demonstration of a NMR QPU and the presentation of the complete workshop offering by QWorld).
- Contributions to QWorld in 2025 included informal on project management tools and talks for other QCousins' initiatives.
- Gave the seminar "Quantum Oracular Algorithms & Their Applications" in The QSilver31 Workshop Organized by QBangladesh.
- Gave the seminar "Quantum Oracular Algorithms & Their Applications" in The QBronze175 Workshop Organized by QTunisia.

Plans and goals for 2026:

- Aim to reach a wider audience, increase the number of members, and increase activity of the current members.
- Organize in-person and remote events on popularizing quantum computing.
- Organize QTalks inviting researchers and startups in quantum computing.
- Organize engaging events for high schools.

- Organize 3 workshops (QBronze, QSilver, QNickel).
- Organize quantum computing hands-on sessions for students of local Universities, startups and SMEs.
- Open to organizing some events in collaboration with other QCousins.

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4. QLibya

Opinion from a QCousin's Head: active

In 2021, QLibya was formed upon the vision to bridge the Libyan institutions with the global educational institutions by means of engaging the Libyan tech community with world-class quantum education resources.

Head(s): Abdulmalik Baitulmal, Feras Shita, Ramy Harib, Firas Musbah, Amymah Miftah

No. of active members: 8

No. of total members since establishment: 19

QWorld-related workshops organized in 2025:

1. QBronze170, August 10-13, 2025 with more than 25 attendees and 15 Certificates.
2. QSilver30, August 17-20, 2025 with more than 20 attendees and 16 Certificates.

Other activities in 2025:

- IEEE Communication Society - QC Basics for Telecom: Entanglement, QFT, and Phase Control with Qiskit with 18 attendees (07.8.2025).
- Computer Engineering Dept. at Uni. of Tripoli - QC to EC workshop with 15 attendees (31.8 - 02.9.2025).
- Saraya Hamra University—"Beyond Bits: Quantum Computing for Future Computer & AI Engineers" Lecture with 27 attendees (05.11.2025).
- Launching the QCoffee Corner Series of quantum workshops with 11 attendees (04.12.2025).
- Raised the awareness of and educated more than 115 Libyan youths on quantum computing & technologies.
- Targeted other cities in Libya by inviting organizations, universities, and the tech community.
- Organized QBronze & QSilver dedicated for universities and higher education institutes.
- Attending the IEEE ATIC - AfroTech Intelligence Congress (ATIC-2025) in Tunisia (18 - 19.10.2025).
- Organized talks, and attended regional events along with themes of the International Year of Quantum Science and Technology 2025 (IYQ).
- Attending & giving a lecture at the ELSA (Ethical, Legal, and Social Aspects) of QT Conference in İstanbul (21 - 22.11.2025).

Contributions to QWorld in 2025:

- QTraining: Abdulmalik Baitulmal (Advisor), Feras Shita (Instructor).
- Annual meeting: Abdulmalik Baitulmal (QChallenge-Coordinator), Amymah Miftah (QLibya presenter).

Plans and goals for 2026:

- We aim to reach a wider audience, increase the number of our members and increase activity of the current members.
- Organize the first event on Quantum Fabrication and Simulation.
- Organize the first Quantum Machine Learning Workshop.

- Release the next issues of the QLibya newsletter on linkedIn.
- Organize at least 2 workshops (QBronze, QSilver).
- Organize the first Libyan Quantum Hackathon.
- Continue organizing the QCoffee Series.
- Raise the awareness of and educate more than 100 Libyan youths on quantum computing & technologies.

Additional information:

- We are open to organize some events in collaboration with other QCousins.
- We moderate several social media profiles that you can follow: LinkedIn, Facebook.

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5. QMexico

Opinion from a QCousin's Head: partially-active

QMexico is a QCousin organized by quantum computing researchers and educators from Mexico. The initiative officially entered the initialization phase in 2019 and has organized workshops annually from 2020 to 2023 in collaboration with teams such as Strangeworks (currently out of service), Sociedad Científica Juvenil, UNAM, Qaldas, QubitHub, and students from various institutions.

Head(s): Javier Orduz

No. of active members: 3 active members and 7 partially active members.

Activities in 2025:

Focus on research and community initiatives:

- Co-organized the ICEQT 2025 conference.
- Participated in activities related to the International Year of Quantum Science and Technology (IYQ).

Plans and goals for 2026:

- Obtain funding to support research activities.
- Organize at least one workshop, mini-tutorial, or conference (ICEQT 2026, Qaldas).
- Prepare and publish new popular science articles focusing on **Quantum Cryptography and related topics**.
- Develop a new version of the QMexico website.

Additional information:

➔ Open to co-organizing events and participating in research collaborations with other QCousins.

➔ Maintains active social media presence on X, YouTube, and Facebook.

Feedback from the QCousins Department:

It would be good to organize a few workshops based on QWorld materials.

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6. QNepal

Opinion from a QCousin's Head: active

QNepal is a QCousin of QWorld, formed by quantum enthusiasts, aspiring researchers, and educators from across Nepal. The group organized its first workshop virtually from September 23–30, 2023, as part of the QBronze workshop program provided by QWorld.

Coordinator: Sabin Thapa
Executive Committee Members: 11
Registered Members: 85+
Representative: Yuechi Pata Magar, Executive Committee Member; BSc Physics student, St. Xavier's College, Kathmandu.
Activities in 2025:
Workshops & programs:

- Organized **QSilver28** workshop.

Community & outreach initiatives:

- Hosted QTalk Series 2025: Celebrating 100 Years of Quantum.
- Participated in activities for the International Year of Quantum Science and Technology (IYQ) 2025.

Impact of QTalk Series 2025:

- 13 talks
- 3 continents represented
- 15+ institutions involved
- Coverage of 7 quantum subfields
- One unified QNepal community

Plans and goals for 2026:

- Organize **Quantum in School** programs to introduce quantum concepts to school students.
- Continue **monthly QTalk Series** featuring speakers from STEM fields.
- Organize at least **two workshops** (QBronze, QSilver, QNickel, QML).
- Increase activity on social platforms to promote quantum computing.
- Launch a **physical QHackathon** (competition-oriented program).
- Conduct **quantum study sessions** for collaborative learning.

Additional information:
➔ Open to organizing collaborative events with other QCousins.
➔ Active online presence via Facebook and LinkedIn.
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7. QNigeria

Opinion from a QCousin's Head: active
QNigeria is a QCousin organized by quantum computing researchers and educators from Nigeria and the diaspora. The group organized its first workshops in November 2021 in collaboration with QWorld and officially entered the initialization phase in 2022.
Head(s): Kenneth Isamade
No. of active members: 15
Activities in 2025:
Workshops & academic initiatives:

- Qiskit Fall Fest @ University of Uyo (Sept 25 – Nov 8, 2025)
    - 22 participants
    - 7 Certificates of Achievement and 15 Certificates of Participation
- Qiskit Fall Fest @ University of Ibadan (Aug 13, 2025)

    - 20 participants
    - 2 Qiskit Advocates involved

Curriculum & institutional engagement:

- Integration of quantum computing courses into the curriculum at the University of Ibadan and University of Uyo.

Seminars & community engagement:

- Joint seminar with IEEE and University of Uyo on the role of IT in achieving SDGs in the quantum computing era.
- Talks included Quantum Algorithms, Quantum Key Distribution (QKD), and photonics.

Hackathon participation:

- 5 members from the University of Ibadan participated in a hackathon.

Contributions to QWorld in 2025:

- **QEducation:** Kenneth Isamade
- **QCousins Department:** Kenneth Isamade; Ini E. Ukut

Plans and goals for 2026:

- Expand outreach by appointing ambassadors in high schools, colleges, and universities across Nigeria.
- Organize QBronze, QSilver, and QNickel workshops for new members.
- Organize Light-Up-Quantum-Uyo.
- Bring stakeholders together to design a national quantum roadmap.
- Sustain the QNigeria quantum series talks.
- Continue integration of quantum computing into curricula at University of Ibadan and University of Uyo.
- Organize workshops at University of Abuja, Akwa Ibom State University of Science and Technology, and other institutions.
- Increase global participation with at least three additional active members in QWorld.

Additional information:

➔ Open to organizing collaborative events with other QCousins.

Feedback from the QCousins Department:

It would be good to organize a few workshops based on QWorld materials.

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8. QPoland

Opinion from a QCousin's Head: active

QPoland is a QCousin organized by quantum computing researchers and educators from Poland. We organized the first workshops in May 2019 (in Kraków and Warsaw) in collaboration with the team from the University of Latvia and officially entered the initialization phase on 11.11.2019. It is formally supported by a non-profit organization - Quantum AI Foundation (Fundacja Quantum AI).

Head(s): Paweł Gora

No. of active members: 18

QWorld-related workshops organized in 2025:

1. QBronze160, 22-24 & 26-27.05.2025, 64 certificates.

2. QBronze166, 1-3 & 6-7.10.2025, 65 certificates.

Activities in 2025:

1. QPoland Global Quantum Hackathon (18-26.10.2025).
2. Quantum Machine Learning conference (15.03.2025).
3. Competition for the popularization of quantum computing (14.10.2025 - 7.01.2026).
4. Releasing QPoland newsletter (monthly).
5. Supporting the organization of Warsaw Quantum Computing Group meetup (including a dedicated meetup for the World Quantum Day).
6. Supporting the organization of Washington Quantum Computing Meetup.
7. Quantum Machine Learning workshops: 12-13.04.2025, 107 certificates.
8. Quantum Machine Learning workshops: 11-12.10.2025, 94 certificates.

Contributions to QWorld in 2025:

1. QBoard - Paweł Gora (Coordinator)
2. QCousins Department - Paweł Gora (Coordinator)
3. Mentoring in QIntern - Paweł Gora

Plans and goals for 2026:

- We aim to reach a wider audience, increase the number of our members and increase activity of the current members.
- Organize the next edition of QPoland Global Quantum Hackathon.
- Organize the next Quantum Machine Learning conference.
- Release the next issues of the QPoland's newsletter.
- Organize at least 4 workshops (QBronze, QSilver, QNickel, QML).
- Organize the next contest on popularizing quantum computing.
- Organize the next episodes of our quantum computing meetups.
- Have at least 1 more person active at the global QWorld level

Additional information:

➔ We are open to organize some events in collaboration with other QCousins

➔ We moderate several social media profiles that you can follow: X, LinkedIn, Facebook

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9. QBulgaria

Opinion from a QCousin's Head: active

QBulgaria is a QCousin initiative established in 2024, bringing together quantum technology researchers, educators, and practitioners from Bulgaria as part of the QWorld's ecosystem. The core team includes professionals from STEALM Academy and STEALM Academy Quantum School, the world's first school dedicated to quantum technologies with an author-designed, US-accredited curriculum. QBulgaria collaborates with other QCousins and with experts from academia and industry in Bulgaria and worldwide, through joint initiatives, supporting the development of a sustainable quantum ecosystem.

Head(s): Mariana Filipova

QWorld-related workshops organized in 2025:

1. QBronze152 | Quantum Computing and Programming Workshop, February 15-16 & 22-23, 2025.

2. QBronze177 | Quantum Computing and Programming Workshop, November 15-16 & 22-23, 2025.

Activities in 2025:

1. **QBronze152 Collaboration**: Successfully joined forces with QSlovenia to organize and deliver an international introductory event in quantum computing. The event brought together mentors from both countries, featured a live, real-time demonstration of QSlovenia's quantum computer, and included invited guest speakers presenting on a variety of quantum technology topics.
2. **Supporting New QCousins (QCanada)**: Supported the creation and realization of QCanada during QBronze177. QBulgaria mentors supported the training process, experts served as speakers, and team leader Mariana Filipova acted as a co-organizer to help build a strong quantum community in Canada.
3. **Education for Students and Teachers**: Organized and supported workshops and activities for teachers and students (ranging from elementary school to higher levels). The primary focus was on teacher training, student engagement, and practical/interactive learning, emphasizing that supporting teachers and students together is key to sustainable quantum education.

Plans and goals for 2026:

- Share experience with other QCousins.
- Support QCousins in organizing and delivering events.
- Help QCousins partner and collaborate effectively.
- Reach more people in a dynamic and engaging way.
- Organize QBronze 2026 (QBulgaria + QMexico on March 7, 8, 14, 15).
- Support QCousins with entangling events and joint initiatives.

Additional information:

➔ Emails: qbulgaria [at] qworld.net / bulgariaquantum [at] gmail.com

➔ Website: https://qworld.net/qbulgaria/

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10.QTurkey

Opinion from a QCousin's Head: active

Head(s): Dr. Özlem Salehi Köken, Dr. Saba Bozpolat, Dr. Yusuf Karlı, Figen Yılmaz
Month and year of being formed: 2019 May
No. of active members: +100

QWorld-related workshops and events.

Name of the activity	Type of the activity	Dates of the activity	Outcome
Quantum Programming Workshop	QBronze151	27 January - 1 Feb	121 diploma
Quantum Programming Workshop	QPrep18	15-16-17 February	72 diploma

Quantum Programming Workshop	QBronze155	21-22-23 Feb	11 diploma
Quantum Programming Workshop	QBronze156	10-14 March	50 diploma
Quantum Programming Workshop	QBronze158	15-27 April	20 diploma
Quantum Programming Workshop	QBronze161	24-27 April	12 diploma
Quantum Programming Workshop	QTraining9	2-14 june	9 diploma, 4 trainiei 5 mentor
Quantum Programming Workshop	QNickel21	15-25 May	11 diploma
Quantum Programming Workshop	QBronze162	7-11 july	191 diploma
Quantum Programming Workshop	QSilver27	21-25 July	119 diploma
Quantum Programming Workshop	QCobalt7	4-7 August	94 diploma
Quantum Programming Workshop	QNickel23	18-22 August	71 diploma
Quantum Programming Workshop	QMercury4	September	12 diploma
Quantum Programming Workshop	QZinc3	September	13 diploma
Quantum Programming Workshop	QTitanium2	September	18 diploma
Quantum Programming Workshop	QPrep19	30 June, 1-2 July	217 diploma
Quantum Programming Workshop	QBronze171	25-27September	12 diploma

Kuantum Günleri'25	Seminar on site	15-16 November	300 participants81 certificates
2.İYTE Kuantum Günleri	Seminar on site	17-18 April	+450 participants
Fizik Seminerleri	Seminar	29 Sep - 25 Dec	Total 150 participants
Qtalk with Emre Ozan Polat	QTalk	14 May	35 participants
Qtalk with Gani Göral	QTalk	14 May	35 participants
Qtalk with Ali Bozbey	QTalk	15 May	25 participants
Qtalk with Onur Pusuluk	QTalk	15 May	25 participants
Emine Akpınar ile Qtalk	QTalk	11 March	50 participants
QTalk Saime Çiğdem Yorulmaz	QTalk	7 February	35 participants
Quantum Optics Seminar Series	Seminar	28 February - 31 May	75 participants
World Quantum Day - Ankara	Seminar on site	26 April	
Süperiletken Kuantum Bilgisayar ve Google Quantum AI	QTalk	19 April	130 participants
QTalk: Sinan Kazan	QTalk on site	15 May	60 participants
Kuantum Teknolojileri Semineri	Seminar	7 May	150 participants

Contributions to QWorld:

Name of the activity	Type of contribution	Amount of contribution	Who contributed
ADEQUATE material preparation	material preparation	78 days	Özlem Salehi Köken
QCousin board member	Member	11 hours	Zeki C. Seskir

Plans for 2026

Goals: We aim to reach a wider audience and increase the number of our members.

Plans:

- 25+ QTalks featuring speakers with national recognition
- 5+ QTalks featuring speakers with international recognition
- Two online workshops will be held for QPrep, QBronze, and QCobalt
- Organizing a national hackathon
- We will organize a summer camp consisting of QPrep, QBronze, QSilver, QNickel, QCobalt, QMercury, QTitanium, and QZinc workshops.
- We will organize three on-site QPrep and QBronze workshops.
- We will organize three national on-site seminars.

Strategic Plans:

- We plan to increase our reach on social media to attract more participants for our events.

Sustainability Plan:

- Let us know what we can do for QWorld and QCousins! We're ready to help.

Other comments regarding 2026: We wish everyone a healthy and happy year. :)

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11.QSouth Africa

Opinion from a QCousin's Head: **partially active**

In July 2023, QSouthAfrica was founded by a number of active members largely from Stellenbosch's Quantum Research Group, as well as from the UKZN and Wits. QSouthAfrica is a pioneering community dedicated to advancing quantum computing in South Africa. We have been actively engaged in this transformative field even before our official establishment. Our mission is to raise awareness, educate, and foster collaboration among individuals interested in quantum technologies.

Board members of QSouthAfrica:

- Prof. Francesco Petruccione
- Abbas (Omid) Hassasfar

Team members of QSouthAfrica:

- Donovan Slabbert
- Tristen Gwynn
- Amy Rouillard
- Chanelle Matadah Manfouo
- Muhammad Al-Zafar Khan
- Fatema Elgebali
- Thembelihle Rose Dlamini
- Matt Lourens

QSouthAfrica's achievements for 2025:

- **NITheCS Winter Internship Programme** - "Introduction to Quantum Computing" at Stellenbosch University, July 2025.
- **Project Milestone** - Successfully converted the QWorld **QBronze** course from **Qiskit to PennyLane**.
- **NITheCS Mini-school (2025-08)** - 'Hands-On Introduction to Quantum Computing with PennyLane' by Abbas (Omid) Hassasfar.
- **NITheCS Mini-school (2025-05)** - 'An introduction to quantum biology' by Dr Betony Adams.
- **Public Lecture (2025-09-10)** - 'A Quantum Future of Computing' by Prof Matthias Troyer from Microsoft.
- **Resource Expansion** - Active educational content delivery through the **NITheCS YouTube channel**.

Feedback from the QCousins Department:
It would be good to organize a few workshops based on QWorld materials.
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12. QIran

Opinion from a QCousin's Head: active

Head: Mostafa Shabani
Month and year of being formed: 05.2022
No. of active members: 8 (Mostafa Shabani, Malihe Yadavar, Hossein Khalili Yazdi, Abbas (Omid) Hassasfar, Hayede Zarei, Shahla (Zahra) Shahmohamadi, Fataneh Bakherad, Parsa Gharavi)

QWorld-related workshops and events.

Name of the activity	Type of the activity	Dates of the activity	Outcome
World Quantum Day	In-person meetup in collaboration with University of Tehran	April 14, 2025	12 participants
QPrep 20	Preparation Workshop in collaboration with Isfahan Physics House	October 7-9, 2025	20 Diplomas
QBronze 172	Quantum Programming Workshop in collaboration with Isfahan Physics House	October 12 – 30, 2025	20 Diplomas
QBronze 178	Quantum Programming Workshop	November 26 – 27 & December 3 – 4 & 10 – 11, 2025	29 Diplomas

	in collaboration with Iran University of Science and Technology		

Plans for 2026

Goals: Our goal is to develop and expand collaborations with various communities and active groups in this field, both within and outside of Iran, and collaborate with talented individuals to organize new educational programs

Plans:

- Celebrating Quantum World Day (14 April)
- QSeminars about Quantum Simulation, Quantum Optimization, and Quantum Machine Learning
- QPrep, QBronze, QNickel, and QSilver workshops to be organized
- Collaborating with More Universities (We Collaborated with Iran University of Science and Technology on 2025)
- Collaborating with More Institutes (We Collaborated with Isfahan Physics House on 2025)
- Quantum Machine Learning workshop with PennyLane

Strategic Plans:

- We plan to increase our reach on social media to attract more participants for our events.

Sustainability Plan:

- To ensure the long-term sustainability of our activities, we aim to establish financial support through collaborations with organizations and institutions. These partnerships will help us maintain and expand our programs, enabling us to continue contributing to the development of the quantum computing community.

Other comments regarding 2026:
We want these from QWorld:

- Facilitate joint online and in-person events among regional QCousins to promote stronger collaboration.
- Create opportunities for international sponsorships and partnerships for QCousins.
- Assist in the official registration of QCousins to formalize their operations and enhance credibility.

This report is completed by Malihe Yadavar.
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13. QIndia

Opinion from a QCousin's Head: active
QIndia is a voluntary group of quantum researchers with roots in India looking to build an open quantum ecosystem in India. The group had its first entangling event in February 2021 in collaboration with Maksim. Currently, QIndia has over

1,500 registered members and has awarded 568 diplomas across various QWorld programs. They are most active on LinkedIn and maintain a Discord server for their community.
Leadership and Contact:

- **Chair**: Rishi Sreedhar
- Steering Committee: 12 Members
- **Website**: www.qworld.net/qindia/
- **Email**: qindiagroup@gmail.com

QIndia's Achievements for 2025:

- **Educational Outreach**: Conducted **QBronze 167** (250 diplomas) and **QSilver 28** (87 diplomas).
- **Content Creation**: Released a "Day in the Life" podcast episode.
- **Global Contributions**: Member Aritra Sarkar served as a QWorld Board Member, QResearch Coordinator, and QIntern 2025 Coordinator.
- **Community Engagement**: Hosted multiple talks, flipped classrooms, and quantum workshops led by members like Amrit Chetri.

Plans and Goals for 2026:

- **Organizational Restructuring**: Create a new steering committee.
- **Capacity Building**: Conduct training sessions for QBronze and QSilver specifically for new lecturers.
- **Quality Assurance**: Ensure the high quality of all lectures produced by or on behalf of QIndia.
- **Operational Consistency**: Hold more regular internal meetings and strengthen connections with QWorld.
- **Event Frequency**: Aim to host at least one quantum event per quarter.

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14. QBosnia

Opinion from a QCousin's Head: partially active
Formerly known as QBalkan until 2023, QBosnia serves as a dedicated gateway to the quantum world, established by a passionate community of Bosnian enthusiasts with a mission to ignite curiosity and democratize access to quantum computing knowledge. The community believes this revolutionary technology holds immense potential for everyone and actively seeks enthusiastic individuals to join their network to help shape the future of science and education in Bosnia. QBosnia offers a robust platform for learning through beginner-friendly workshops, interactive training sessions, and engaging webinars featuring leading global specialists.
Head(s) and Active Members:

- **Coordinator/Head**: Dr. Ali Almisreb
- **Active Members**: Zejd Imamovic, Harun Hadzo, Mowalim Jr. Kalim, and Ajdin Sirbegovic
- **LinkedIn**: linkedin.com/company/qbosnia/
- **Email**: qbosnia [at] qworld.net

QBosnia's Achievements for 2025:

- **Global Engagement**: Expanded international presence in Almaty, Kazakhstan, where Dr. Ali Almisreb delivered a keynote speech titled "From Qubit to Quantum Circuits: Where and How to Start Learning" at the 10th International Conference on Digital Technologies in Education, Science and Industry (DTESI).
- **Academic Expansion**: Dr. Ali Almisreb led a semester-long specialized master's course titled "Quantum Technologies" at the International Information Technology University (IITU), engaging 18 graduate students.

- **Fostering Innovation**: Mentored a team of graduating students—Affan Kapidžić, Tarik Ibreljić, Abdullah Husrep, and Ibrahim Đonko—who successfully developed a "Post-Quantum Encrypted Messaging Service Web Application" designed to withstand attacks from quantum computers.

Plans and Goals for 2026:

- **Educational Outreach**: Participate in the "Show and Tell" event at the International University of Sarajevo to introduce quantum computing to school students using the Quokka Puck Quantum Computer and interactive simulations.
- **Research Publication**: Publish a research article at the 2026 IEEE 6th International Conference on Smart Information Systems and Technologies (SIST).
- **Knowledge Leadership**: Deliver a keynote speech at an international conference regarding quantum computing.
- **Platform Development**: Design and build an online platform specifically to simplify quantum computing learning for school students.

Feedback from the QCousins Department:
It would be good to organize a few workshops based on QWorld materials.
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15. QBangladesh

Opinion from a QCousin's Head: **active**
QBangladesh is a QCousin organized by a community of quantum computing researchers, educators, and enthusiasts from Bangladesh. We began our journey by organizing our first workshops in April 2025 (Online), aiming to build a strong quantum ecosystem in the region.
Head(s) / Coordinator: Sk Saif Ibna Ezhar Arko
Month and year of being formed: April 2025
No. of active members: 8
QWorld-related workshops organized in 2025:
QBronze157, 19, 20, 26, 27 April 2025 | 35 certificates
QSilver31, 18, 19, 25, 26 October 2025 | 45 certificates
Other activities in 2025:
Successfully completed QTraining:
Animesh Banik
Asadullah Bin Rahman
Musanna Al Akil
Contributions to QWorld in 2025:
Mentoring in AQC Hackathon and Qbronze180: Sk Saif Ibna Ezhar Arko (Coordinator)
Plans and goals for 2026:
Our goal is to expand our reach, grow our membership, and boost engagement among existing members.
Organize QBangladesh-led Quantum Computing Hackathon.
Organize International Olympiad of Quantum Computing (Hybrid/On Site).
Start to release the issues of the QBangladesh's newsletter.
Organize at least 4 workshops (QBronze, QSilver, QNickel, QML).

Recruit at least 1 person on each campus in Bangladesh for outreach.
Organize Quantum Computing Seminar (Qtalk/Qxpert).
Have at least 1 more person active at the global QWorld level.
Additional information we would like to share:
➔ We are open to organizing some events in collaboration with other QCousins.
➔ We moderate several social media profiles that you can follow:
LinkedIn: https://www.linkedin.com/company/108865994/
Facebook: https://www.facebook.com/profile.php?id=61586291282877
➔ Website: www.qworld.net/qbangladesh
➔ Email: qbangladesh@qworld.net
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16. QBrasil

Opinion from a QCousin's Head: partially active

Head(s): Rayssa Bruzaca (Presenter/Representative)
Month and year of being formed: Not specified

QWorld-wide activities:
QBronze 148 (First event!)
+300 applicants from Brazil, Portugal, Argentina, Peru, Canada, and others.
17% women participation.
Included 3 talks in Portuguese:
Panel: Quantum Hardware (Klara Theophilo, Guilherme Temporão, Marcelo Martinelli)
Panel: Quantum Computing Landscape in Brasil (Samuraí Brito, Ana Paula Appel, Anderson Buarque)
Talk: "Pix, a Quantum Safe Tool?" by Brazil Quantum (Rafael Verissimo)
Local events:
Papos Quânticos (Live talk series available on YouTube):
Introduction to QBrasil (325 views, 31.5% female audience)
Careers in Quantum Technologies (1,275 views, 22.3% female audience, with international reach from Portugal, USA, and Canada)
Quantum in High School (164 views, 30% female audience)
Quantum Softwares vs Quantum Hardwares (207 views, 20.6% female audience)

Contributions to QWorld in 2025:
Produced and shared accessible material in Portuguese available on YouTube.
Shared events at the IYQ (International Year of Quantum Science and Technology) schedule.
Two QBrasil members were featured in the "Quantum 100" list: Rayssa Bruzaca and Bruna Shinohara.

Plans and goals for 2026:
Continue the "Papos Quânticos" series.

Organize QJunior initiatives.
Continue to help popularize Quantum Technologies for Brazilian and Portuguese-speaking audiences.
Additional information we would like to share:
➔ Ambitions: Empower the Brazilian population scientifically, increase Brazil's presence in global quantum conversations, promote quantum technologies as a tool for social good, and promote open/free code as the dominant educational paradigm.
➔ Core Team: Rayssa Bruzaca, Letícia Maria, Arthur Faria, Rodolfo Soldati, Krissia Zawadzki, Bruna Shinohara, and Douglas Jorge.
➔ Social Media Reach: Instagram (594 followers), LinkedIn (558 followers), YouTube (266 subscribers).
➔ Contact: qbrasil.oficial@gmail.com

Feedback from the QCousins Department:
It would be good to organize a few workshops based on QWorld materials.
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17. QLebanon

Opinion from a QCousin's Head: active
Head(s): Ali Ibraheem Month and year of being formed: 2025 (Foundational Year)
No. of active members: 5 dedicated active members
QWorld-wide activities:

- QBronze168 Workshop: Successfully delivered the first quantum computing workshop in September 2025.
- Digital Presence: Launched social media presence on LinkedIn for engagement and community building.

Local events:

- Core Team Establishment: Built a dedicated team of 5 members with unique expertise to drive the community.
- Institutional Growth: Developed a growing network across various institutions in Lebanon.

Contributions to QWorld in 2025:

- Community Integration: Locally rooted in Lebanese talent while globally connected through QWorld's network.
- Mission Alignment: Worked toward ensuring Lebanon becomes an active participant in the global quantum revolution.

Plans and goals for 2026:

- Triple Q Workshop: Strategic alliance with QPoland and QSaudi Arabia focusing on Quantum Machine Learning (QML) and real-world applications.
- QSilver Workshop: Launching an advanced workshop covering circuit design, cryptography, and simulation.
- Quantum Paper Discussions Series: Bi-weekly sessions to dive deep into groundbreaking research papers.
- Membership Growth: Aiming to double the active team to 10+ members and establish 3+ University Ambassadors.
- Collaborative Events: Organizing at least 2+ partner events with other QCousins and organizations like CodeWithSerah.
- Strategic Recruitment: Focus on engaging students from leading universities and recruiting industry advisors and corporate partners.

Additional information we would like to share:

- ➔ Open to all experience levels, from curious beginners to seasoned researchers.

- ➔ Advanced focus on turning QML into practical, real-world learning experiences.
- ➔ **Contact: qlebanon@qworld.net | linkedin.com/company/qlebanon/**

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18. QTunisia

Opinion from a QCousin's Head: active
QTunisia is the official Tunisian chapter of the global QWorld network, established in 2020 by a group of visionary students. The mission of this chapter is to accelerate the development of quantum science within and beyond Tunisia.
Head(s): Mohamed Masmoudi & Nour Mustapha No. of active members: 6
QWorld-related workshops organized in 2025:

- QBronze175: 41 certified participants

Other activities in 2025:

- Participation in many QWorld workshops

Contributions to QWorld in 2025:

- Focused on democratizing quantum education and fostering research
- Expanded the local and international community through renewed momentum

Plans and goals for 2026:

- Organize QSilver35 this February
- Organize a hybrid workshop dedicated to Quantum AI and Quantum Cryptography
- Organize QCobalt or QNickel workshops
- Contribute with as many QCousins as possible to increase the quantity and quality of delivered workshops
- Organize local events focused on expanding quantum literacy across Tunisia

Additional information we would like to share:

- ➔ Open to new ideas, speakers, and volunteers
- ➔ Actively seeking those passionate about quantum science
- ➔ Reachable via email: qtunisia@qworld.net
- ➔ **Active on LinkedIn: linkedin.com/company/qtunisia/**

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19. QCanada

Opinion from a QCousin's Head: active
QCanada is the Canadian chapter of QWorld, dedicated to expanding education, research, and community-building in quantum technologies. Its mission is to make quantum computing and information science accessible across Canada while fostering global collaboration.
Lead: Winny Babu No. of active members: 3 (Sahar Hejazi, Mohamed Masmoudi, and Saasha Joshi)
QWorld-related workshops organized in 2025:

- QBronze177: Held on November 15–16 & 22–23, 2025, resulting in 16 certificates.

Plans and goals for 2026:

- Organize at least two workshops, including potential sessions for QBronze, QSilver, QNickel, or QML.
- Build and grow a North American regional community.

- Organize speaker sessions focused on quantum technologies and industry applications.

Additional information:

- ➔ Website: www.qworld.net/qcanada
- ➔ **Email: qcanada@qworld.net**

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20. QSaudi Arabia

Opinion from a QCousin's Head: active

QSaudi Arabia is the official Saudi Arabian chapter of QWorld, established by faculty members and students from King Saud University. The chapter's vision is to make quantum knowledge accessible to every learner within the Kingdom.

- Head(s): Khulud Almutairi (Coordinator)
- Founders: Khulud Almutairi, Sheakha Aldaihan, Mohamedelfatih Seedahmed, and Hassan Alhusayni
- Month and year of being formed: Officially launched on January 11, 2026, following initial workshops in November 2025.
- No. of active members: 4

QWorld-related workshops organized in 2025:

- QPrep21: October 31 – November 1, 2025.
- QBronze 174: November 7–8 and 14–15, 2025, resulting in 42 certificates.

Plans and goals for 2026:

- TripleQ Workshop: Organize an "Entangled TripleQ" workshop on Quantum Machine Learning in collaboration with QLebanon and QPoland.
- Educational Outreach: Organize at least two additional workshops covering QPrep, QBronze, or QSilver.
- QSeminars: Host seminars regarding various topics in Quantum Technologies.
- Growth and Partnerships: Increase the number of active members and establish new partnerships with universities across Saudi Arabia.
- Participant Development: Explore QInterns opportunities for community participants.

Additional information we would like to share:

- ➔ Mission: To empower Saudi talent through open quantum education and hands-on learning while connecting the Kingdom to the global QWorld ecosystem.
- ➔ Connect: Reachable via email at qsaudiarabia@qworld.net or through social media platforms like X and LinkedIn.
- ➔ **Website: www.qworld.net/QSaudiArabia.**

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21. QHongKong

Opinion from a QCousin's Head: active

QHongKong is a QCousin organized by quantum computing researchers and educators based in Hong Kong. The group officially entered its initialization phase in 2025 and organized its first entangling workshop to connect local learners with QWorld's global open-education ecosystem.

- Coordinator: Chenfeng Cao
- Active members: Zheng An, Yongcheng Ding, Zipeng Wu, Yichi Zhang, and Xuanran Zhu

- Month and year of being formed: Entered initialization phase in 2025

QWorld-related workshops organized in 2025:

- QBronze169: Held September 30–31 and 6–7, 2025, resulting in 79 certificates.

Other activities in 2025:

- Launched the official QHongKong website.
- Built and moderated a WeChat-based learning community for Q&A and peer support.
- Connected Hong Kong learners with other QCousins through cross-community sharing.

Contributions to QWorld in 2025:

- Provided mentoring for the QBronze169 workshop.
- Recruited and onboarded participants via local university channels and online outreach.
- Maintained a shared knowledge base including FAQs, troubleshooting notes, and recommended resources.

Plans and goals for 2026:

- Run a regular "Quantum Study Night" online with rotating themes such as circuits, entanglement, noise, algorithms, and QML.
- Build a local partnership network with university groups, student societies, and research labs in Hong Kong.
- Aim to have at least one more person active at QHongKong.
- Organize at least one workshop (QBronze, QSilver, QNickel, or QML).
- Establish a mentor pipeline.
- Collaborate with other QCousins in the Asia-Pacific region for joint sessions, guest speakers, and cross-community events.

Additional information we would like to share:

- ➔ Open to organizing collaborative events including joint workshops, guest lectures, and shared mentor sessions.
- ➔ Plan to publish lightweight community outputs such as slides, short notes, and code notebooks to create reusable learning assets.
- ➔ Welcome mentors, speakers, and partners interested in education, outreach, and building sustainable quantum learning communities.

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22. QEgypt

Opinion from a QCousin's Head: active

QEgypt is a QCousin organized by quantum computing researchers, educators, and enthusiasts based in Egypt. Founded in April 2021 by the main pillars of the Alexandria Quantum Computing Group, QEgypt brings together members from diverse academic backgrounds and universities. The community is built on a strong belief in spreading awareness of quantum computing and fostering innovation through education and collaboration.

Coordinators: Ahmed Younes, Menna El-Masry

Active members: 15

Month and year of being formed: April 2021

QWorld-related workshops organized in 2025:

QBronze159: Held May 1–3 and May 9–10, 2025, resulting in 59 certificates.

QCourse110-1: Conducted from July to September 2025 in cooperation with AIU and AleQCG. The program attracted 500+ applicants from 60+ Egyptian universities, awarding 221 AIU certificates and 121 QWorld certificates.

Other activities in 2025:
Organized the 1st QWorld Annual Meeting on January 25, 2025.
Conducted the Winter School on Quantum Computing and Information from February 9–13, 2025, at Hurghada University.
Hosted the event "Quantum Technologies: Opportunities and Challenges – Egypt Perspective" on February 17–18, 2025, at Egypt University of Informatics.
Launched the Quantum AI monthly series in collaboration with Bibliotheca Alexandrina and iQafé.
Participated in international events such as the Quantum Innovation Summit (Dubai), Africa Quantum Roundtable, and IEEE Quantum Week 2025.
Organized and contributed to multiple workshops, seminars, and conferences across Egypt and internationally, including:

- Quantum Computing workshops at ASRT and Electronics Research Institute
- World Quantum Day celebration in Egypt (April 14, 2025)
- Alexandria Quantum Hackathon at Bibliotheca Alexandrina (September 3–5, 2025)
- International Conference on Quantum Technology in Egypt (ICQT 2025)
- Workshops and seminars in collaboration with universities and global organizations

Established two student sub-branches to expand community reach.
Organized the QCITY 2025 initiative in New Alamein City, featuring public engagement activities such as street interviews, mini-games, and science communication efforts.
Contributions to QWorld in 2025:
Provided large-scale training and certification through QCourse110-1.
Expanded outreach to over 60 universities across Egypt.
Actively contributed to global quantum education through workshops, conferences, and collaborations.
Supported the growth of quantum communities in Africa and the MENA region through partnerships and participation in international forums.
Plans and goals for 2026:
Expand educational programs and workshops in quantum computing and quantum AI.
Strengthen collaborations with international organizations and QCousins.
Increase the number of active members and student branches.
Organize more large-scale training programs and hackathons.
Enhance research and community engagement in quantum technologies.
Additional information we would like to share:
➔ Open to organizing collaborative events with other QCousins, including workshops, conferences, and training programs.
➔ Actively maintains social media platforms (LinkedIn and Facebook) to engage with the community.
➔ Focused on building a sustainable and inclusive quantum ecosystem in Egypt and beyond.
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23. QLatvia

Opinion from a QCousin's Head: Partially Active

QLatvia continues to be a central pillar for quantum education in Latvia, primarily through its integration with the University of Latvia and the Latvian Quantum Initiative. The group focuses on academic course development and hands-on workshops involving quantum games and hardware.

- **Coordinators:** Abuzer Yakaryilmaz
- Local Activities or Projects (2025):
    - **Quantum Computing Courses:** Developed and taught reshaped courses at the University of Latvia under the Latvian Quantum Initiative; completed by tens of students.
    - **"My Photonic Ship" Workshops:** Multiple workshops held throughout the year focusing on quantum basics and games.
    - **NMR 3-qubit Computer:** Purchased and installed a quantum computer in late December for research and student demonstrations.
    - **Community Engagement:** Held informal meetings and discussions in Riga focused on developing new academic courses.
- Contributions to QWorld (2025):
    - **ADEQUATE Meeting:** Co-organized and hosted the meeting.
    - **ADEQUATE Course:** Extensive lecturing and organizational contributions by Abuzer Yakaryilmaz.
- Plans and Goals for 2026:
    - **Strategic Expansion:** Expand collaboration with other educational institutes and industry partners locally and in neighboring countries.
    - **Project Continuity:** Continue active participation in the Latvian Quantum Initiative through mid-2026.
    - **Core Focus:** Maintain existing local activities with a primary focus on contributing to QWorld

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Access to the reports / slides: https://drive.google.com/drive/folders/1xTVC6FirPQ3SbKbh8MBObC8pEx26ij-5

For 2026 we plan to:

- Keep track of the current QCousins and their activity,
- Updating the guidelines when needed,
- Introduce regional/continental facilitators,
- Come up with ways to energize and empower QCousins beyond their current capacities (e.g., QChallenge).