

Agenda

Quantum-readiness for central banks and supervisors

12-13 February 2025 Basel, Switzerland

Day 1 - 12 Feb 2025 (08:15-17:10 CET)		
08:15-09:00	Registration and morning coffee	
09:00-09:15	Welcome remarks and opening address	Agustín Carstens, General Manager, BIS
09:15-09:45	Keynote: Building a quantum-safe financial system	Alessandra Perrazzelli, Deputy Governor, Banca d'Italia
09:45-10:00	Quantum-readiness roadmap for central banks	Raphael Auer, Head of Eurosystem Centre, BIS Innovation Hub
10:00-10:40	Strategic roadmaps for central bank quantum-readiness	Olivier Lantran, Head of Innovation Centre Le Lab, Banque de France Maryam Haghighi, Director of Enterprise Data Science and Insights, Bank of Canada
10:40-11:10	Break	1st Floor
11:10-11:50	Quantum defence in depth for central banks	Cristina Andriani, Adviser, IT Operations Directorate, Banca d'Italia Angelo Germoni, Advisor, IT Operations Directorate, Banca d'Italia
	Exploration of quantum tech in the financial system	Max Grytz, Innovation Manager – quantum computing, Deutsche Bundesbank Vasileios Rentoumis, Innovation Manager – quantum computing, Deutsche Bundesbank
11:50-12:20	Panel Discussion: Sharing central bank first-hand experiences related to quantum-readiness	Cristina Andriani, Angelo Germoni, Olivier Lantran, Max Grytz, Vasileios Rentoumis Moderator: Maryam Haghighi
12:20-13:20	Lunch	
13:20-14:40	Quantum-safe solutions – Standards	Bill Newhouse, Cybersecurity engineer, NIST
	Preparing migration to quantum-safe financial systems	Isabelle Noblesse, Head of Product Security Roadmap & Innovation, SWIFT
	Why now? The case for cryptographic agility	Mike Silverman, Chief Strategy & Innovation Officer, FS-ISAC
	Quantum computing and cryptographic risk: A strategic imperative for the financial system	Jaime Gomez Garcia, Chair, Quantum Safe Financial Forum; Head of Quantum, Banco Santander
14:40-15:10	Break	
15:10-15:40	Panel Discussion: Cooperation in the financial industry	Isabelle Noblesse, Mike Silverman, Bill Newhouse, Jaime Gomez Garcia Moderator: Brian Ritchot, Head of Cyber Resilience and Coordination Centre, BIS
15:40-16:20	Regulatory approaches for quantum security	Fern Watson, Manager, Emerging Tech and Research, FCA Filipe Beato, Lead, Cyber Resilience, Center for Cybersecurity, WEF
16:20-16:40	Project Polaris: Secure and resilient CBDC systems in the quantum area	William Zhang, Advisor, BIS Innovation Hub Nordic Centre
16:40-17:10	Demystifying the quantum world	Christophe Laforge, Senior quantitative analyst, BIS
17:10-18:30	Apero	

Agenda - Quantum-readiness for central banks and supervisors - 12-13 February 2025 Basel, Switzerland (contd)

Day 2 - 13 Feb 2024 (08:15-16:40 CET)		
08:15-09:00	Arrival and morning coffee	
09:00-09:10	Welcome to Day 2	Andras Valko, Deputy Head of Eurosystem Centre, BIS Innovation Hub
09:10-09:30	Quantum-readiness approach from People's Bank of China	Prof. Chengjun Zhou, Governor of Jiangsu Branch, People's Bank of China
09:30-09:50	Operational resilience and quantum computing from an FMI perspective	Klaus Loeber, Chair of the CCP Supervisory Committee at European Securities and Markets Authority
09:50-10:10	Kick-starting the quantum resilient journey	Ryan Chan, Chief Information Security Officer, HKMA
10:10-10:30	Project Leap: Quantum-proofing the financial system	Angela Dupont, Advisor, BIS Innovation Hub Eurosystem Centre
10:30-11:00	Break	
11:00-11:20	Project FuSSE: Modernising financial market infrastructures	Baltazar Rodriguez, Head of Toronto Centre, BIS Innovation Hub
11:20-11:40	Quantum defence in HSBC: a holistic approach with Quantum Key Distribution networks	Alejandro Montblanch, Quantum communication and network lead, HSBC
11:40-12:00	Project Tourbillon: Quantum-safe cryptography for retail CBDC	Mike Alonso, Advisor, BIS Innovation Hub Swiss Centre
12:00-13:00	Lunch	
	Learning track	Technical Track
13:00-14:30	Learning session	Solution presentations
14:30-15:00	Break	
15:00-16:30	Learning session (continued)	Solution presentations (continued)
16:30-16:40	Closing Remarks	Cecilia Skingsley, Head of BIS Innovation Hub
16:40	End of the conference	