


Quantum Security Preparing for the Post-Quantum World


Empowering organisations from quantum-risk awareness to quantum-safe readiness through education, risk assessment, crypto-agility planning, and actionable transition roadmaps.

THE QUANTUM THREAT IS REAL — AND URGENT




Encryption at Risk

Quantum computers will be able to break today's widely used public-key encryption algorithms, including RSA and ECC, rendering the cryptographic foundations of online banking, secure communications, corporate VPNs, and government systems completely obsolete.




Harvest Now, Decrypt Later

Nation-state adversaries and sophisticated attackers are already intercepting and stockpiling today's encrypted data with the intent to decrypt it retroactively once a capable quantum computer becomes available, meaning the damage from data stolen today will be realised in the future.



Regulatory Pressure

Governments and regulatory bodies worldwide are rapidly moving from guidance to enforcement with frameworks such as NIST's PQC standards and PCI DSS 4.0 setting binding timelines for quantum-safe migration.

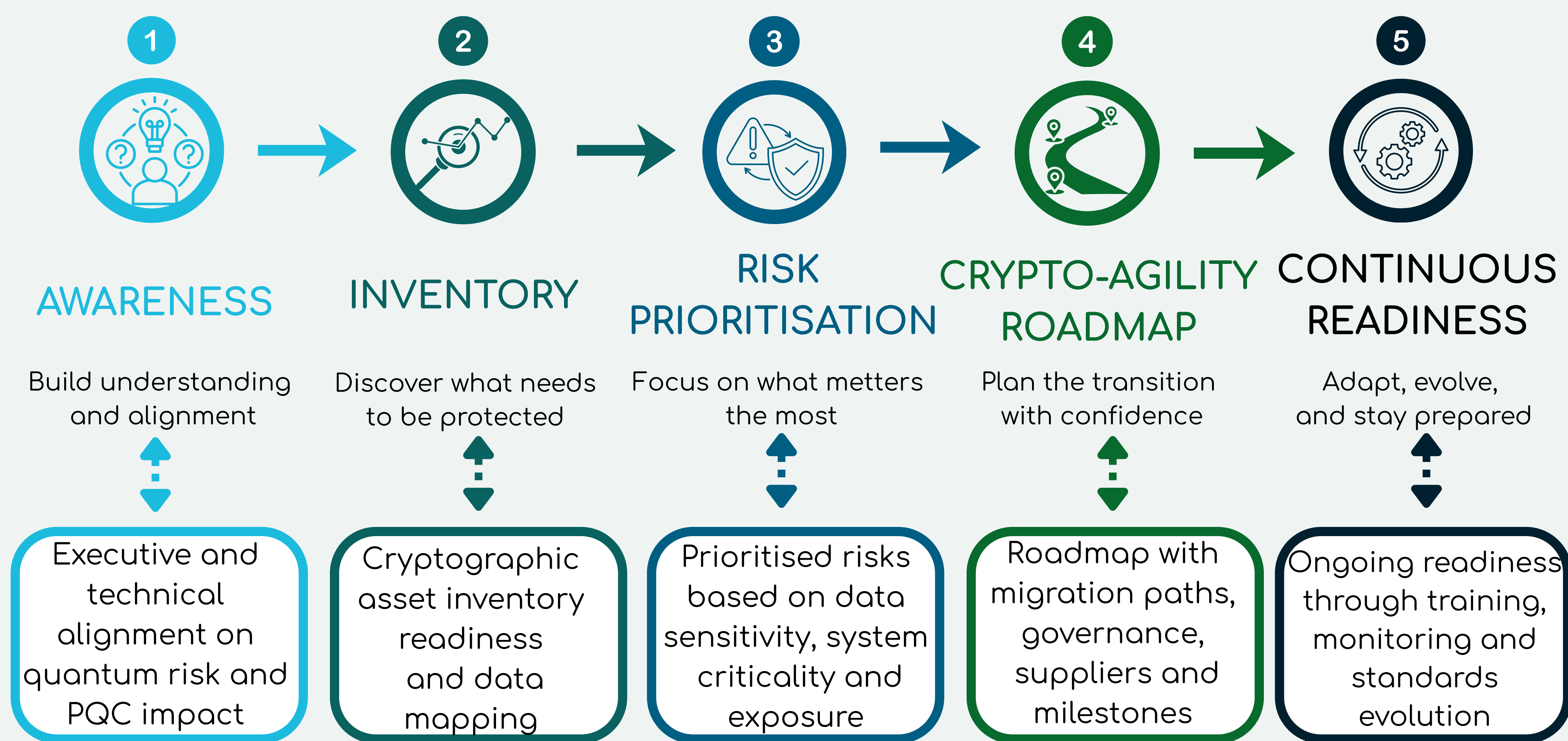


Every Sector at Risk

The quantum threat is not confined to governments or tech giants, any organisation that transmits or stores sensitive encrypted data is exposed, spanning from banking to, healthcare, energy, defence, and supply chains, making quantum risk a strategic boardroom concern rather than a niche IT issue.

The transition to post-quantum cryptography (PQC) is complex, multi-year, and impacts people, processes, technology and suppliers. Organisations that start now will protect critical data, ensure business continuity and build long-term resilience.

From Awareness to Action: QURECA's Quantum-Safe Readiness Pathway



Quantum-safe migration is not a one-time project; it is a continuous capability built on knowledge, governance and agility.

WHY QURECA

EDUCATION-FIRST TRANSITION ENABLEMENT

We help organisations build the internal knowledge required to make informed PQC decisions.

BUSINESS & TECHNICAL BRIDGE

We translate quantum-safe security into governance, risk, architecture and workforce actions.

VENDOR-NEUTRAL PERSPECTIVE

We support strategy, readiness and roadmap development without locking clients into one technology path.

SCALABLE DELIVERY

Our multidisciplinary team offers consulting, workshops, and online training with hands-on experience tailored to different levels of maturity.



WHO WE HELP

CISOs, CTOs and risk leaders, cybersecurity and architecture teams, developers and engineers.

Regulated industries and critical infrastructure
Organisations starting or accelerating PQC readiness.



Quantum Security Consulting

Quantum risk assessment

Identify vulnerabilities and evaluate the impact of quantum threats on your specific operations and data assets.

Cryptographic inventory readiness

Discover, catalogue, and assess every cryptographic asset across an organisation's entire IT environment.

Crypto-agility strategy

Develop a strategic roadmap for phased transition to quantum-safe cryptographic standards and protocols.

Standards-aligned implementation guidance

Navigate the evolving regulatory landscape, NIST PQC mandates sector-specific compliance frameworks.

Customised strategy development

Tailored strategies to protect your organisation from quantum threats today and tomorrow.



Quantum Security Online Training

>20 Hours

Intermediate
level

CPD certified

English

- ✓ For managers, engineers and developers
- ✓ Practical, structured PQC knowledge
- ✓ Business, technical and governance content
- ✓ Builds internal capability and confidence
- ✓ Self-paced, expert-designed, real-world focused

A dedicated online course comprising 7 modules.

1. Quantum threats and the urgency for action
2. Introduction to quantum communications
3. Quantum cryptography and Post-Quantum Cryptography (PQC)
4. Quantum Key Distribution (QKD)
5. Quantum Random Number Generators (QRNGs)
6. Building quantum networks
7. Preparing for a post-quantum world



BUILD READINESS. BUILD RESILIENCE.
BUILD THE FUTURE.

Start with readiness: educate your teams, map your exposure, and build a crypto-agile roadmap.

Scan the QR code to explore our Quantum Security Training course and services.



QURECA, founded by Dr. Araceli Venegas-Gomez, sits at the intersection of quantum education, cybersecurity strategy and organisational readiness; helping businesses build the knowledge, governance and roadmaps required to transition toward a quantum-safe future.

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