

# Emerging Technologies and PPIF:

- Artificial Intelligence
- DLT/Blockchain
- Quantum Technologies
- Corporate Due Diligence



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# Emerging Technology - risks and benefits

Almaty Guidelines & Checklist for PPIF

Fair and transparent management

Environmental Damage/Human

Corporate <sup>Rights</sup> Interests / Due Diligence

Standard Setting Bodies



# Emerging Technologies with developing international forums

1. Artificial Intelligence and the CoE Treaty
2. Distributed ledger technology/Blockchain
3. Quantum Computing

# CoE Artificial Intelligence Treaty

- Committee on AI
- The Council of Europe Framework Convention on Artificial Intelligence and Human Rights, Democracy and the Rule of Law
- Defines AI as ““artificial intelligence system” means a machine-based system that for explicit or implicit objectives, infers, from the input it receives, how to generate outputs such as predictions, content, recommendations or decisions that may influence physical or virtual environments. Different artificial intelligence systems vary in their levels of autonomy and adaptiveness after deployment.”.
- Provides for human rights protections and for public participation in the decision making around this technology.
- Addresses bias in technology.

# International Initiatives Re: Blockchain

1. Global Standard Mapping Initiative (GSMI) 2020.
2. World Trade Organization (WTO).
3. World Intellectual Property Organisation (WIPO) Blockchain Initiative.
4. OECD Recommendation of the Council on Blockchain and Other Distributed Ledger Technologies.
5. The ISO have established a Technical Group on Blockchain.
6. UN/CEFACT have an ongoing project in developing blockchain for supply chain due diligence.



# Quantum Computing & Tech

- Environmental Monitoring at Scale.
- Complex modelling.
- European Declaration on Quantum Technologies on the 21st June 2024, signed by twenty Member States so far:

European Declaration on Quantum Technologies, 21st June 2024,

<https://digital-strategy.ec.europa.eu/en/library/european-declaration-quantum-technologies>.



# The Role of Corporate Due Diligence

- Tech owned & designed by Companies.
- Build for transparency, equality and harm.
- Due diligence is a vital part of ensuring inclusive processes and respect for the environmental and human rights.
- EU CS3D has specific provisions for consultation.



Thank you!