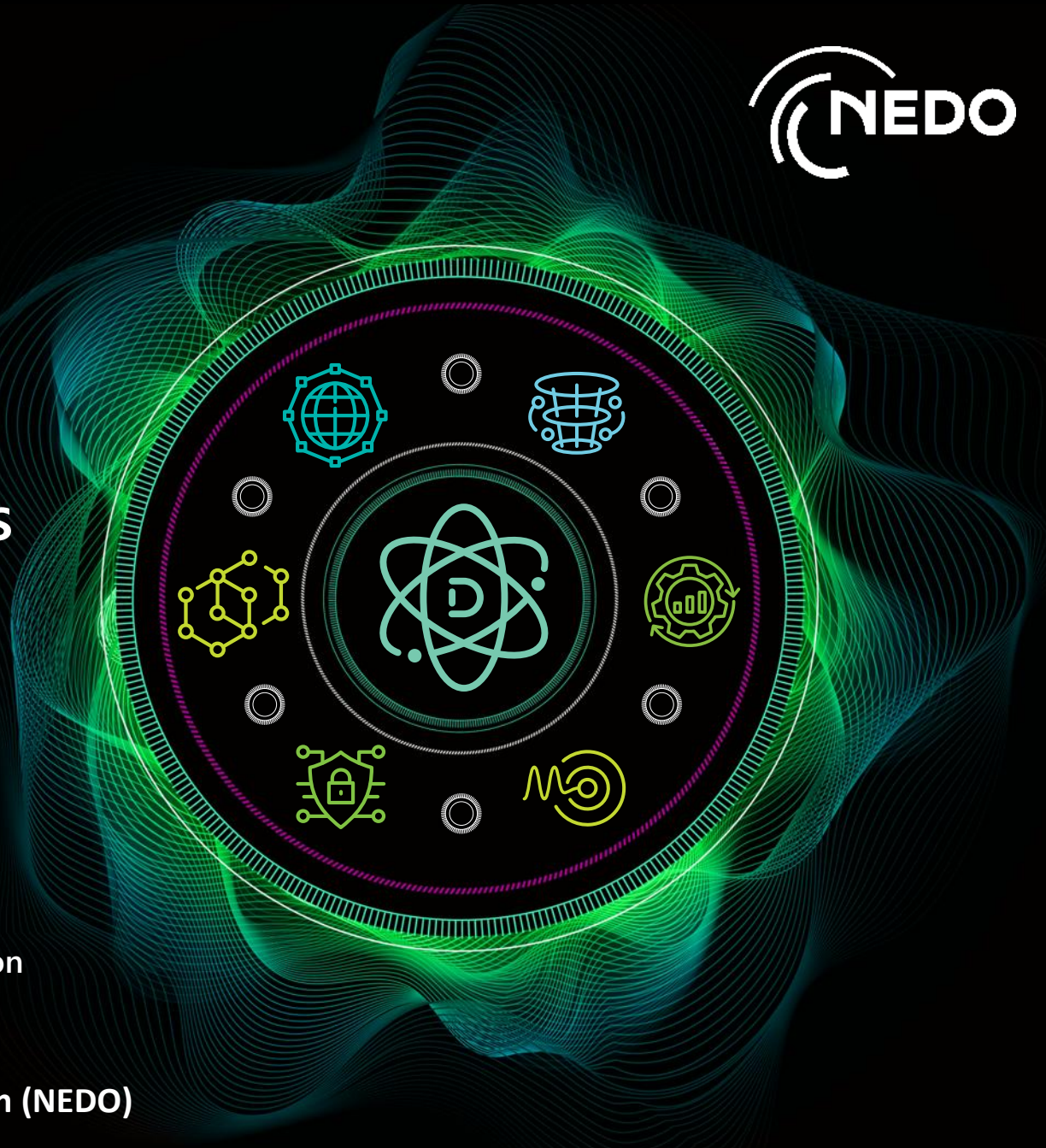
Quantum Computing Use Cases

A service that allows users to simulate the experiences of others

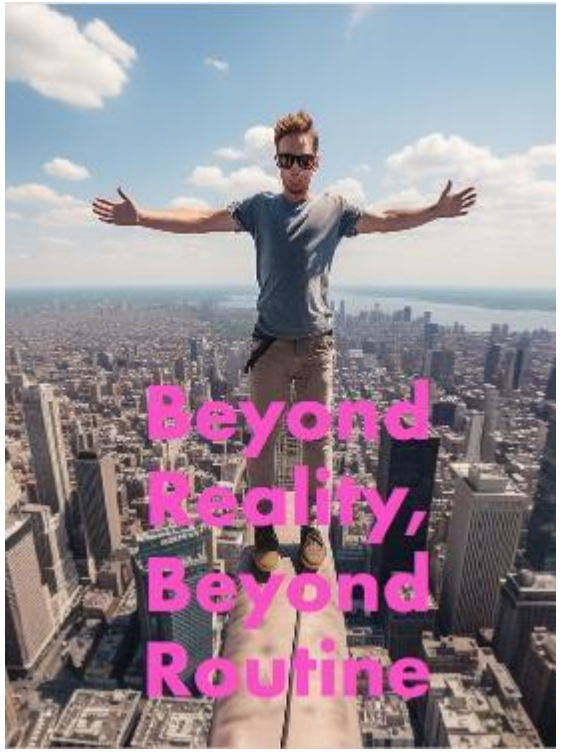


Promotion of SDGs with Quantum Technology

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New Energy and Industrial Technology Development Organization (NEDO)

他者の経験の疑似体験サービス
A service that allows users to simulate the experiences of others



ユースケース概要 **Use Case Overview**	有名なスポーツ選手やアーティストなどの記憶・経験を疑似的に追体験 Simulating the memories and experiences of famous athletes and artists.
解決できる課題と効果 **Issues to be addressed and their effects**	成功・失敗の経験や知見などを次世代に効率的かつ幅広く伝承 Efficiently and broadly passing on experiences and insights of success and failure to the next generation.
量子技術の貢献 **Contributions of quantum technology**	膨大な記憶・経験の記録を量子状態を活用して保存し、量子通信で共有 Storing vast memories and experiences in quantum states and sharing them through quantum communication.

実現予想時期 **Expected realization period**	(Year)2040～2050
産業分類 **Industry classification**	情報・金融・その他サービス Information・Financial・Other services
関連するQRAMI階層 **Related QRAMI layers**	通信層 Communication layer
関連する量子技術 **Related quantum technologies**	量子通信・セキュリティ 量子コンピュータ Quantum Communication・Security Quantum Computer

新規性 **Novelty**	大きな革新 Significant innovation
達成難易度 **Difficulty of achievement**	困難 Difficult
社会貢献度 **Social contribution level**	幅広い業種に貢献 Contributions to a wide range of industries
市場規模 **Market size**	見積困難 Difficult to estimate

詳細/Detail

ロードマップ/Roadmap

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サービス内容 Service Detail	量子コンピュータの活用 Utilizing quantum computers	ビジネスインまでのロードマップ Roadmap to starting business
他人の素晴らしい体験(有名スポーツ選手などの記憶)を疑似体験	疑似体験の作成・活用における計算に用いる	2020年 AR普及 2035年 量子を活用した記憶などの新たなデジタル化が普及 2045年 ゲーム機のようなものが普及
Simulate other people's wonderful experiences (memories of famous athletes, etc.)	Use for calculations in the creation and utilization of simulated experiences	2020: AR uptake 2035: New Digitization of memory using quantum technology Uptake 2045: Widespread use of game-console-like machine

More use cases are available on our website. We invite you to explore them.
https://www.quantum-computing-use-cases.nedo.go.jp/english/

More Use Cases

New Energy and Industrial Technology Development Organization (NEDO)
AI and Robotics Department (e-mail: quantum_ai@ml.nedo.go.jp)

This collection of use cases was obtained as a result of the work commissioned by the New Energy and Industrial Technology Development Organization (NEDO) "Cyber-Physical Development Business of Quantum/Classical Hybrid Technology/Study of Use Case of Quantum Technology" and the “Post-5G Information and Communications System Infrastructure Reinforcement R & D Project (Quantum Industrialization)/Comprehensive Study for Promoting the Industrialization of Quantum Computers ”.