# Transformational Change: Building a Collaborative Future



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EUROSTARS TOWER
MADRID, SPAIN

Data Breaches, A Global Barrier to Innovation and Sustainability

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Recognize how technology supports sustainability.

Future Outlook & Action Plan



### Global Examples

- Australian Taxation office (2024) scams fake emails asking citizens to update tax information led to stolen credentials.
- IBM(2023): Average global breach cost \$4.45 million.
- Verizon(2023): 74% of breaches involve human element(phishing, stolen credentials).
- Australia (2024) experienced a total of 1,113 reported data b reaches, the highest since mandatory reporting began, al ongside an alarming 47 million compromised accounts.
- Aadhar (India,2018): Personal data of over 1 million citizens exposed.
- Facebook (2019): 419 million users' IDs exposed and 3 months later, a database containing roughly 300 million Facebook users' names, phone number, and use IDs left unprotected on the dark web for around two weeks by hackers



# How is data breach a barrier to innovation and sustainability?



- Loss of trust in Digital systems.
- High Financial costs
- Fear of new technology.
- Cultural Impact.
- Disruption of smart systems.
- Data breaches financially hurt businesses
- Misuse of data harms individuals and communities.

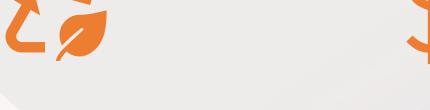


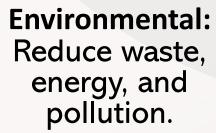
### WHAT — Sustainability

Sustainability is the ability to meet present needs without compromising the ability of future generations to meet their own.

Sustainability is about balance — caring for the planet, people, and resources









#### **Economic:**

Efficient use of resources to lower costs and maximize benefits.



#### Social:

Equity, inclusion, and longterm well-being



## **HOW** — Real Examples

Digital transformation makes sustainability practical



# Cloud-based systems

Reduces paperEnergy use



#### **Data analytics**

Informs sustainable decision-making



#### Al & automation

Optimizes resource allocation, ex.
Chatbots & virtual assistants



#### **Smart campuses**

minimize costs and energy, ex: Smart Security & Access Control



# Virtual learning

Cuts travel, lowers carbon footprint



### **Future Outlook**



- •Al-Powered Threats: Deepfake phishing and Al-generated malware.
- Supply Chain Risks: Attacks through third-party vendors will rise.
- Quantum Security: Transitioning to quantum-resistant cryptography will be necessary.
- •Cyber Insurance: Coverage is tightening; premiums depend on security posture.



### What can be done?

- Implement data security tools in digital systems.
- Train staff and users on safe data practices.
- Strengthen data protection laws.
- Invest in secure future ready infrastructure
- The integration of AI-powered cybersecurity and blockchain technology
- Cybersecurity as a Service(CaaS)
- Building a Culture of Trust and Transparency
- Prioritising Data Security as a foundational pillar for driving a sustainable, innovative future



### Transformational Change:

Building a Collaborative Future



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