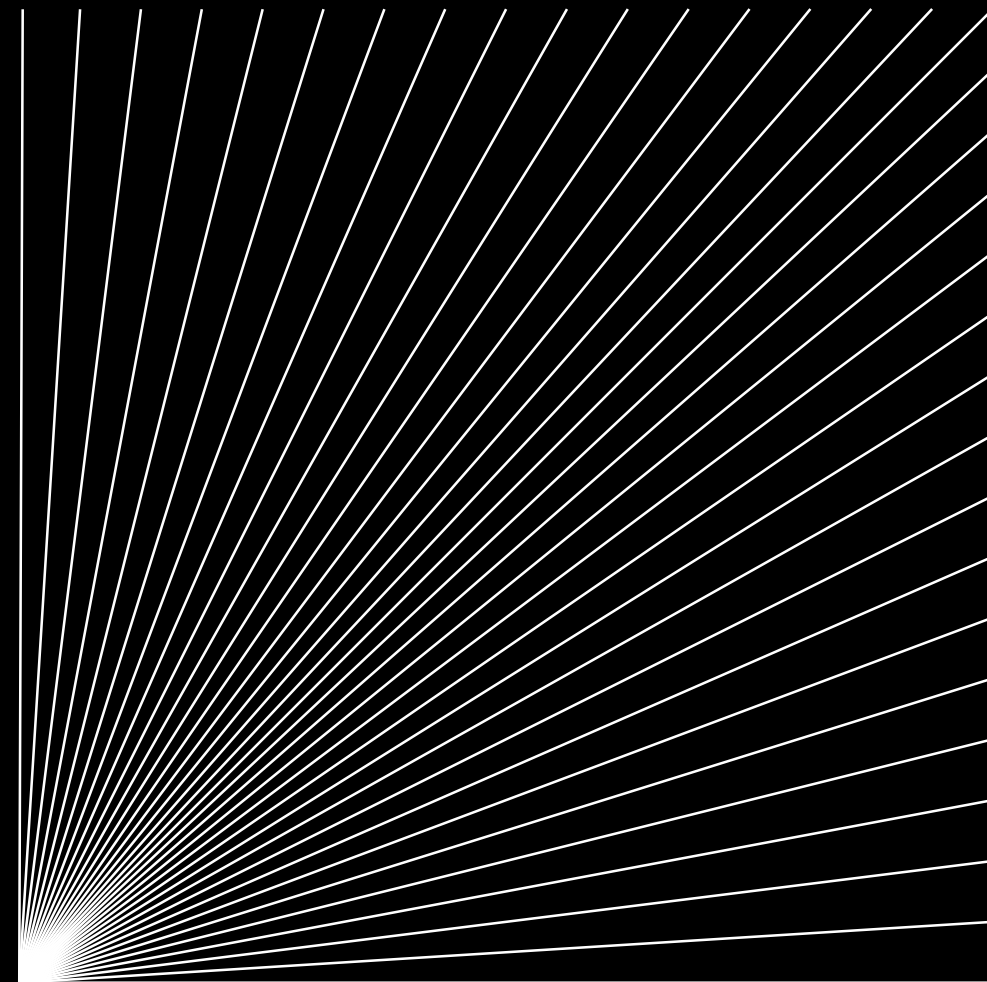


DIFC Data Protection Talks

Talk #10: Personal Data in Digital Systems

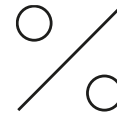
Date: 21 March 2023

The future is here.

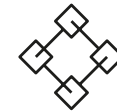




What does data protection law have to do with emerging technology like AI and other digital systems?



Why does ethics have anything to do with it?



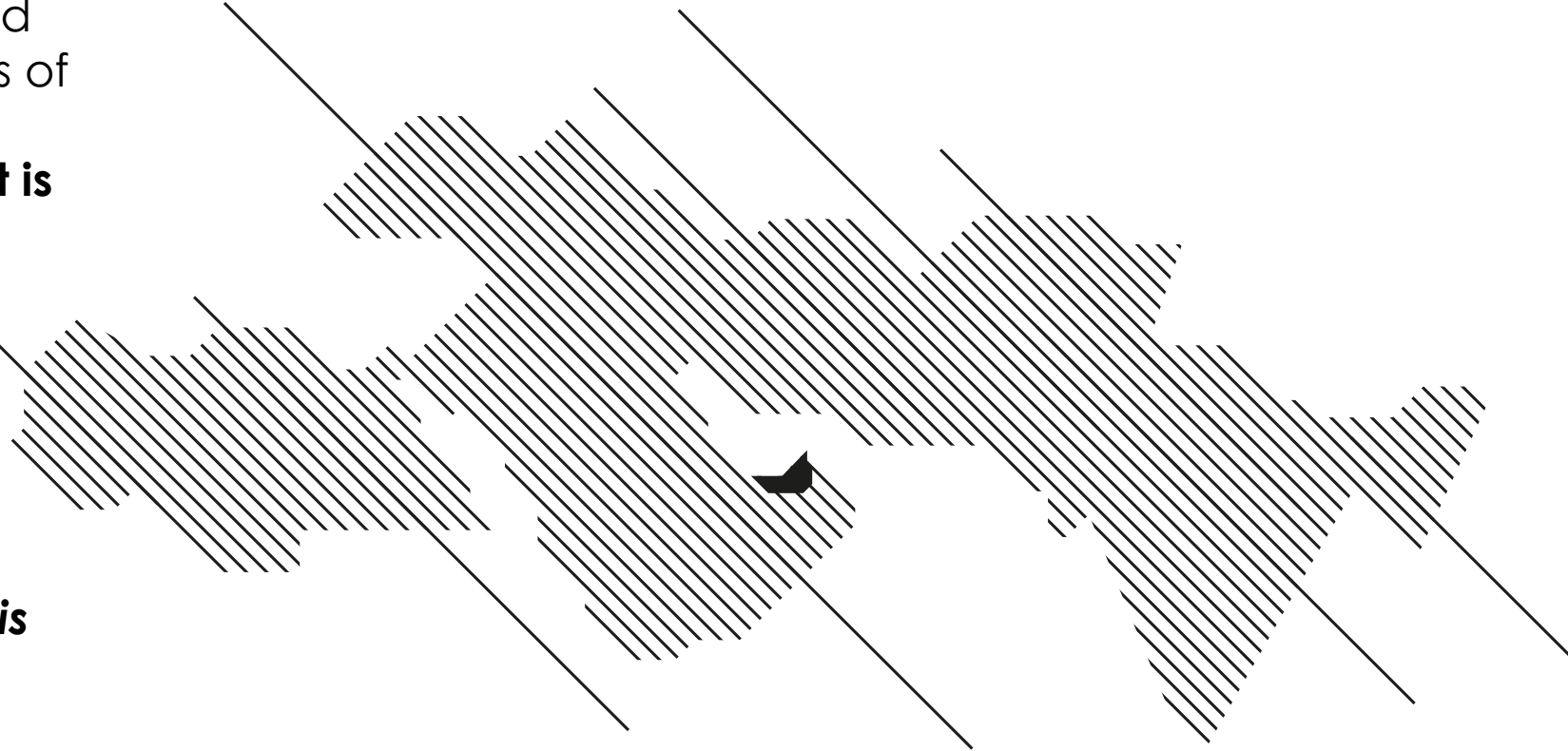
What are your burning questions?

What does data protection law have to do with emerging technology like AI and other digital systems?

Personal data is processed in AI and other technologies every day, tons of it. More than we know. The first question goes back to basics: **what is personal data?**

Then ask yourself how does digital systems like blockchain, AI, etc., work?

What if I want a Controller or Processor to erase my data? **Who is the Controller or Processor?**



900,000,000 GBP

For a “supercomputer and AI Research Resource” to support the significant need for computing power the UK AI commitment will entail.

1,000,000 GBP

An annual £1m prize fund will be awarded to the researchers developing artificial intelligence (AI)

Guidance

The Commissioner’s Office will develop guidance on A29(1)(h)(ix) use of personal data in digital systems.

What does ethics have to do with digital systems and personal data?

Who intervenes when the machine learning may cause danger or harm?



Where does the personal data go and who is responsible for its security?



Can personal data be created by an algorithm?



What is the difference in AI and DP principles?



Does any of this matter to a small to medium sized company?





What kind of controls can be implemented to mitigate risk in machine learning?



What does DP Law 2020 say about emerging technologies?

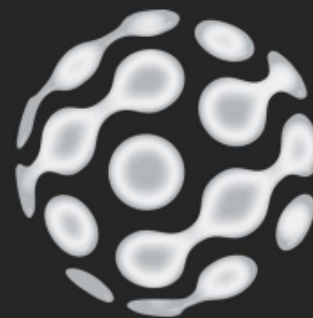


Can I consult with the Commissioner's Office if I need help?



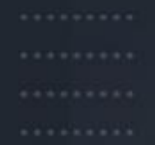
Recommendations for Trustworthy AI and Data Sharing Practices

March 2023



AI ASIA PACIFIC
INSTITUTE





Why Trustworthy AI?



AI & Sustainability



1 NO POVERTY
Spending patterns on mobile phone services can provide proxy indicators of income levels

2 ZERO HUNGER
Crowdsourcing or tracking of food prices listed online can help monitor food security in near real-time

3 GOOD HEALTH AND WELL-BEING
Mapping the movement of mobile phone users can help predict the spread of infectious diseases

4 QUALITY EDUCATION
Citizen reporting can reveal reasons for student drop-out rates

5 GENDER EQUALITY
Analysis of financial transactions can reveal the spending patterns and different impacts of economic shocks on men and women

6 CLEAN WATER AND SANITATION
Sensors connected to water pumps can track access to clean water

7 AFFORDABLE AND CLEAN ENERGY
Smart metering allows utility companies to increase or restrict the flow of electricity, gas or water to reduce waste and ensure adequate supply at peak periods

8 DECENT WORK AND ECONOMIC GROWTH
Patterns in global postal traffic can provide indicators such as economic growth, remittances, trade and GDP

9 INDUSTRY, INNOVATION AND INFRASTRUCTURE
Data from GPS devices can be used for traffic control and to improve public transport

10 REDUCED INEQUALITY
Speech-to-text analytics on local radio content can reveal discrimination concerns and support policy response

11 SUSTAINABLE CITIES AND COMMUNITIES
Satellite remote sensing can track encroachment on public land or spaces such as parks and forests

12 RESPONSIBLE CONSUMPTION AND PRODUCTION
Online search patterns or e-commerce transactions can reveal the pace of transition to energy efficient products

13 CLIMATE ACTION
Combining satellite imagery, crowd-sourced witness accounts and open data can help track deforestation

14 LIFE BELOW WATER
Maritime vessel tracking data can reveal illegal, unregulated and unreported fishing activities

15 LIFE ON LAND
Social media monitoring can support disaster management with real-time information on victim location, effects and strength of forest fires or haze

16 PEACE, JUSTICE AND STRONG INSTITUTIONS
Sentiment analysis of social media can reveal public opinion on effective governance, public service delivery or human rights

17 PARTNERSHIPS FOR THE GOALS
Partnerships to enable the combining of statistics, mobile and internet data can provide a better and real-time understanding of today's hyper-connected world

www.unglobalpulse.org
@UNGlobalPulse 2016

Recommendations



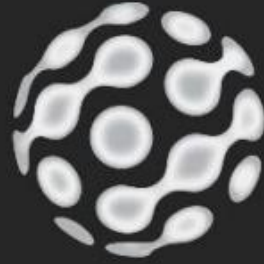
**Best
Practices**

Opportunities

Challenges

**Prospects for
Collaboration**





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About Us



The AI Asia Pacific Institute addresses the social, legal and ethical risks of artificial intelligence to advance its potential to build a sustainable world.



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