

AI: A New Quality Productive Force

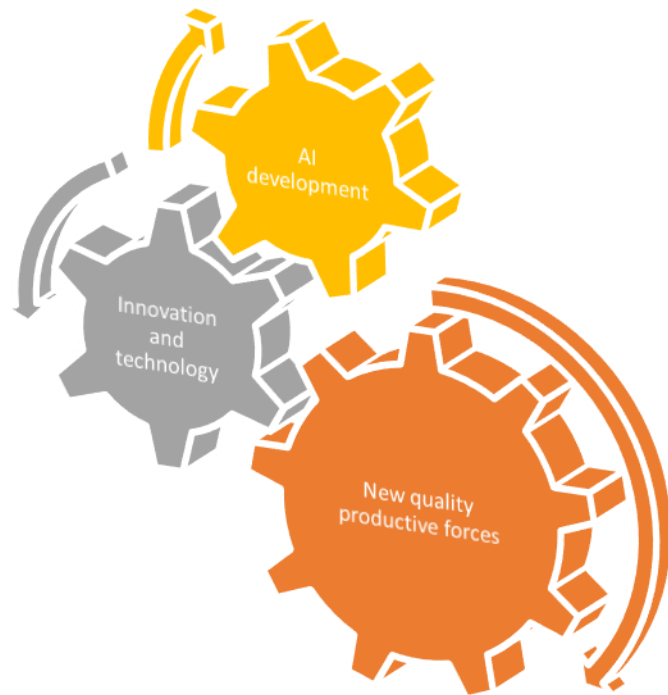
Mr. Donald MAK
Deputy Commissioner (Data Governance)
Digital Policy Office



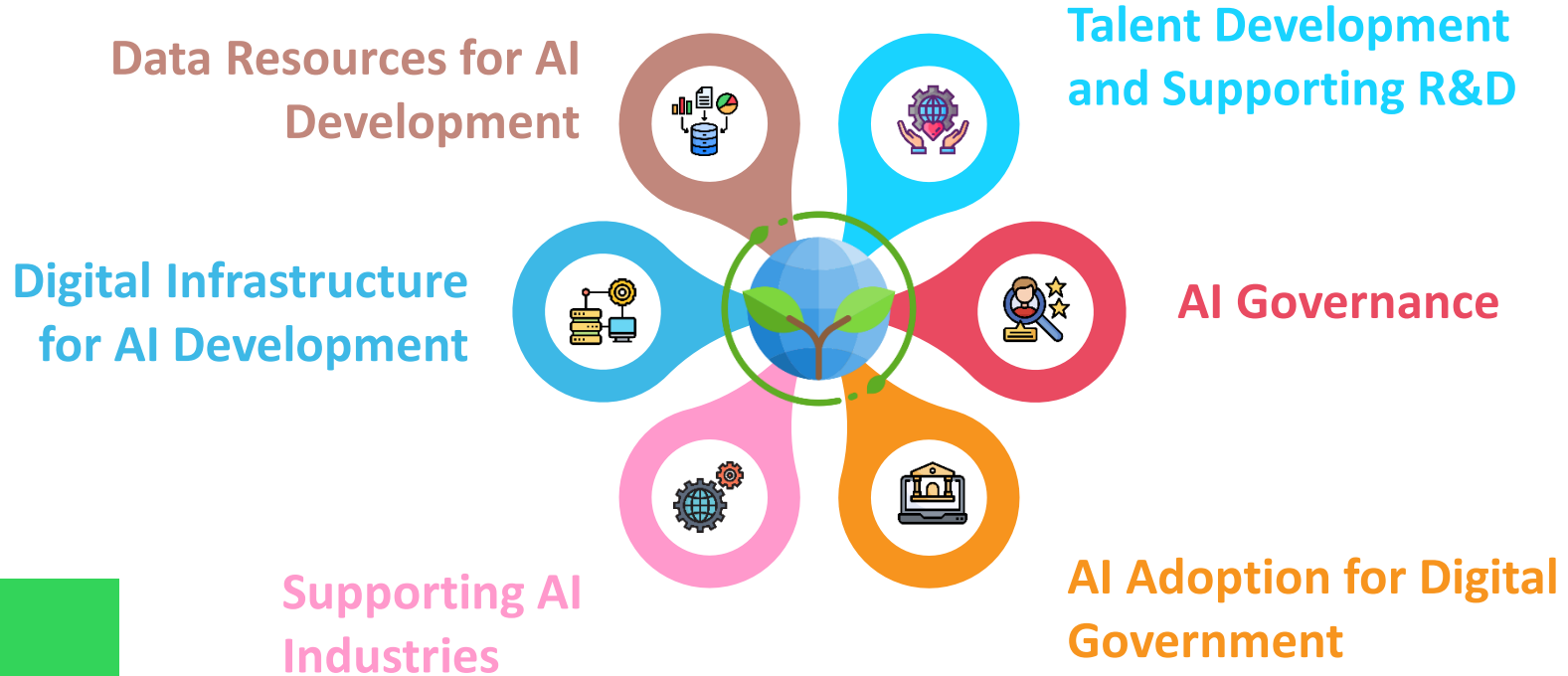
New Quality Productive Forces

“New quality productive forces” refer to **productivity led by technological innovation** that breaks away from the traditional mode of economic growth and development pathway.

AI is a new quality productive force, as the rapid development of AI has unlocked fresh possibilities for innovation and growth, transforming a wide array of business sectors, enhancing productivity and business outcomes.



Driving AI Development



Data Resources for AI Development

Open and Sharing of Data for AI Development



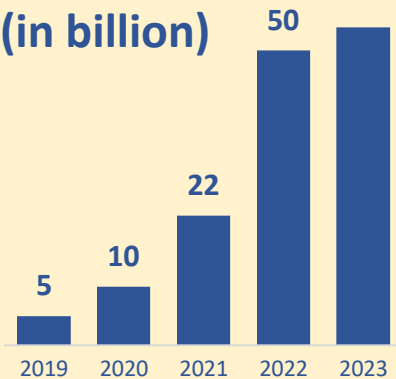
開放數據平台
DATA.GOV.HK

5,400+ datasets

2,300+ APIs

117 data providers

Downloads
(in billion)

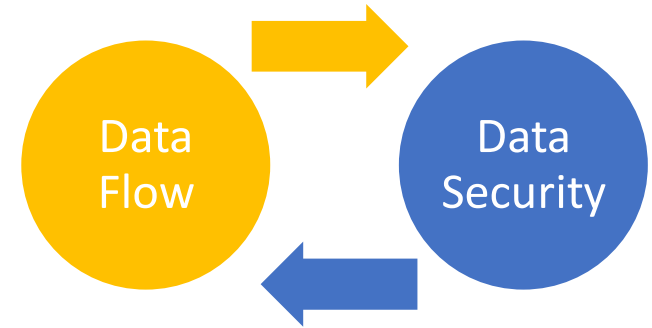


Data sharing via Consented Data Exchange Gateway

Streamline user experience in transacting online applications with the Government



Facilitating Data Flow and Safeguarding Data Security



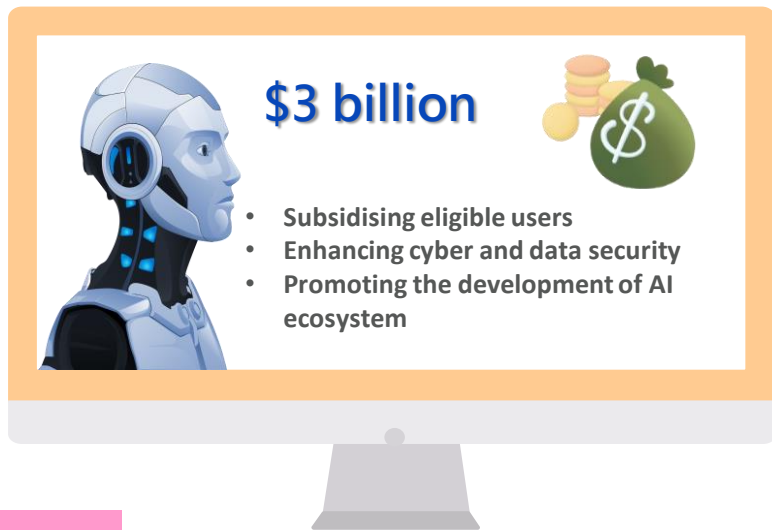
ITIB published the Policy Statement on Facilitating Data Flow and Safeguarding Data Security in Hong Kong in December 2023 setting out Government's management principles and key strategies on data flow and data security, and putting forward 18 specific action items.

Cyberport's **Artificial Intelligence (AI) Supercomputing Centre** will come into operation in phases, supporting the demand of local universities, R&D institutes and enterprises.

AI Supercomputing Centre



AI Subsidy Scheme



Talent Development and Supporting R&D

“Hong Kong Generative AI Research and Development Center” for R&D on generative AI and HK-based Large Language Model



香港科技大學
THE HONG KONG
UNIVERSITY OF SCIENCE
AND TECHNOLOGY



香港大學
THE UNIVERSITY OF HONG KONG



THE HONG KONG
POLYTECHNIC UNIVERSITY
香港理工大學



香港中文大學
The Chinese University of Hong Kong



香港城市大學
City University of Hong Kong

Generative AI document processing copilot application powered by LLM for government pilot use

Improve Work Efficiency

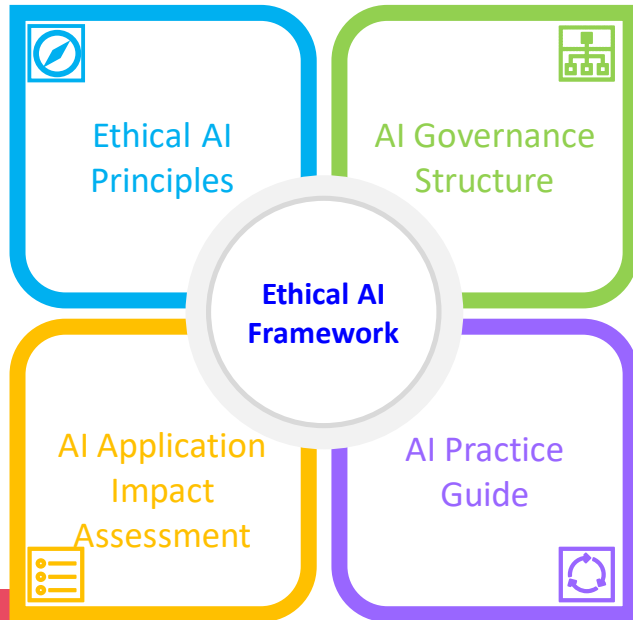
- Document drafting
- Translation
- Summarisation

HKGAI's own generative AI technology and LLM

Help Hong Kong master related AI technologies



14 research laboratories admitted under AIR@InnoHK, covering AI-driven big data analytics, AI chips, Fintech, robotics, etc.



Ethical AI Framework

- A guideline for Government B/Ds in adopting AI and big data analytics and incorporating ethical elements in the **planning, design and implementation of IT projects or services.**
- Developed in consultation with PCPD and complied with PCPD's Guidance on the Ethical Development and Use of Artificial Intelligence.
- Updated in August 2023 to incorporate potential areas of concerns and suggested tips in relation to **generative AI** for B/Ds' consideration .

Policy Statement on Responsible Application of Artificial Intelligence in Financial Market

- The Government adopts **dual-track approach** to promote development of AI adoption while addressing the potential challenges.
- Financial institutions should formulate AI governance strategy .
- A **risk-based approach** should be adopted.

Policy Statement on Responsible Application of Artificial Intelligence in the Financial Market

This statement issued by the Financial Services and the Treasury Bureau ("FSTB") sets out the Government's policy stance and approach towards the responsible application of artificial intelligence ("AI") in the financial market.

Artificial Intelligence

2. AI is a field of science focusing on developing machines and software that simulates human intelligence. It encompasses the subfields of machine learning and deep learning, which enable the developments of predictive analytics, speech recognition, computer vision and other areas.

3. In the financial services industry, AI could be deployed to various aspects from risk management to customer services, leading to new products and services that improve efficiency, security and customer experience. The public release of generative AI products and services in 2022 has presented ample opportunities to the industry.

4. In March 2024, the Central People's Government mentioned launching the "AI" action in the government work report for the first time, with a view to facilitating the high-quality development of digital economy. The Mainland is one of the global leaders in the development of AI. According to statistics in 2022, over 60% of the AI patents originated from the Mainland, and there were more than 290 000 industrial robots manufactured in the Mainland in the same year.

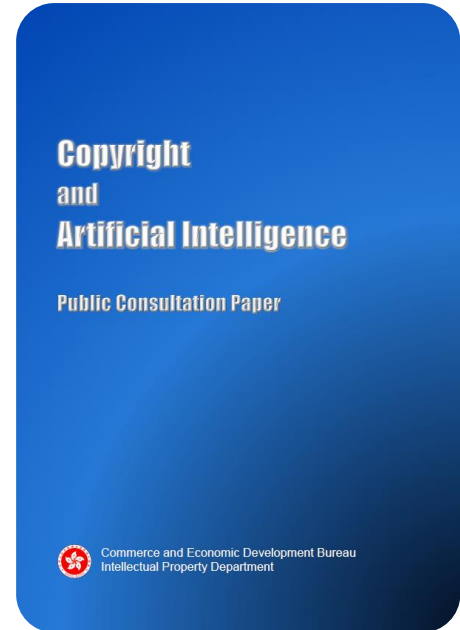
5. In Hong Kong, the financial services industry is very receptive to deploying AI in their business. According to a survey in 2023³, the adoption of generative AI in Hong Kong financial institutions was the highest (38%) among all markets and well above the global average (26%).

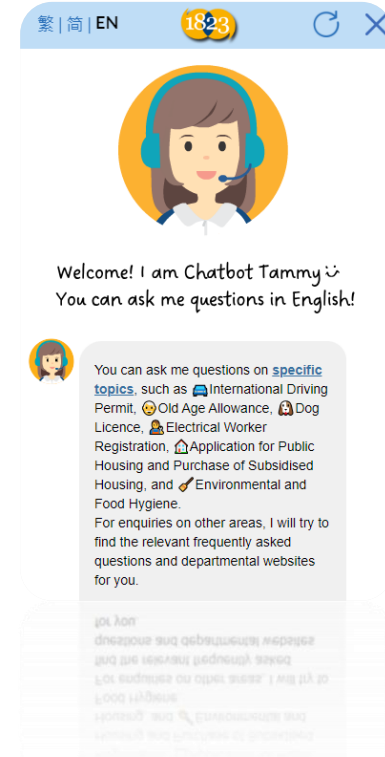
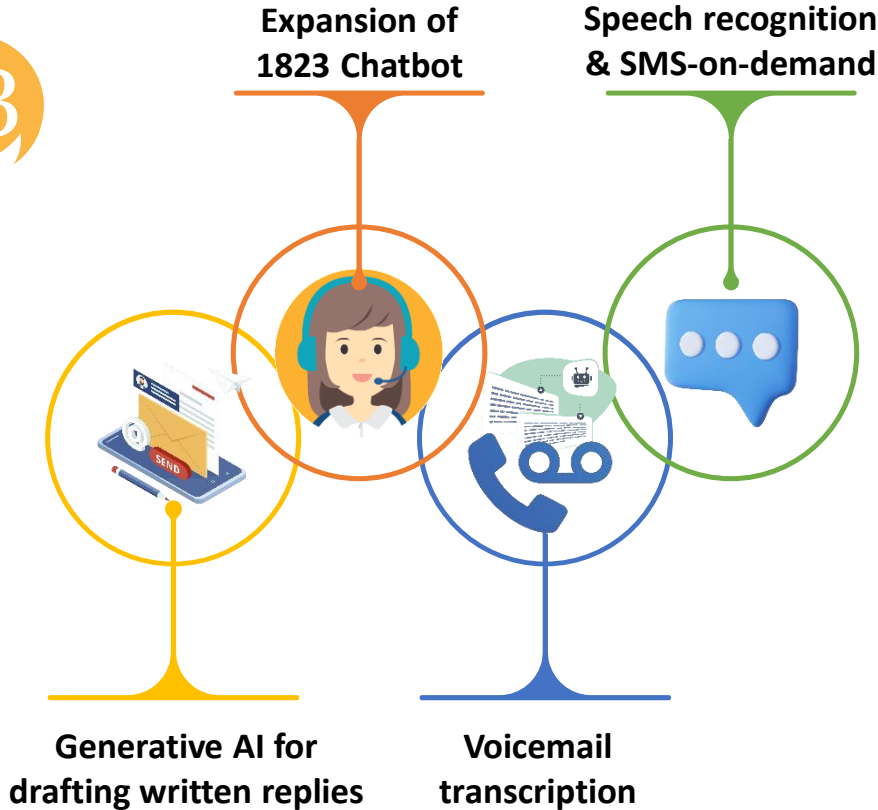
¹ Generative AI refers to a subset of AI which involves training a model on datasets to detect complex patterns and create new content, such as text, image, audio, or video which is similar to the input data.

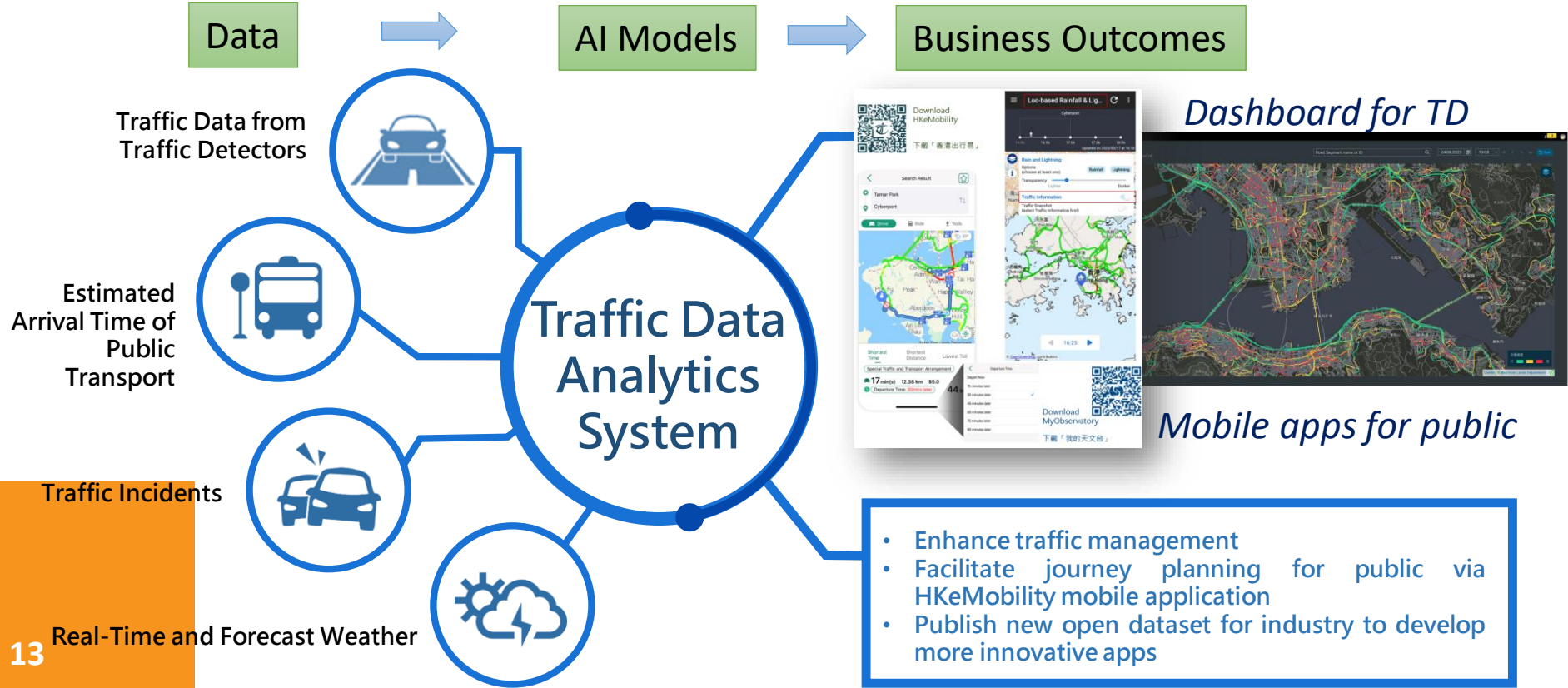
³ The "Financial Services: State of the Nation Survey 2023" conducted by Finextra, a global financial software company.

Intellectual Property Rights Protection for AI Development

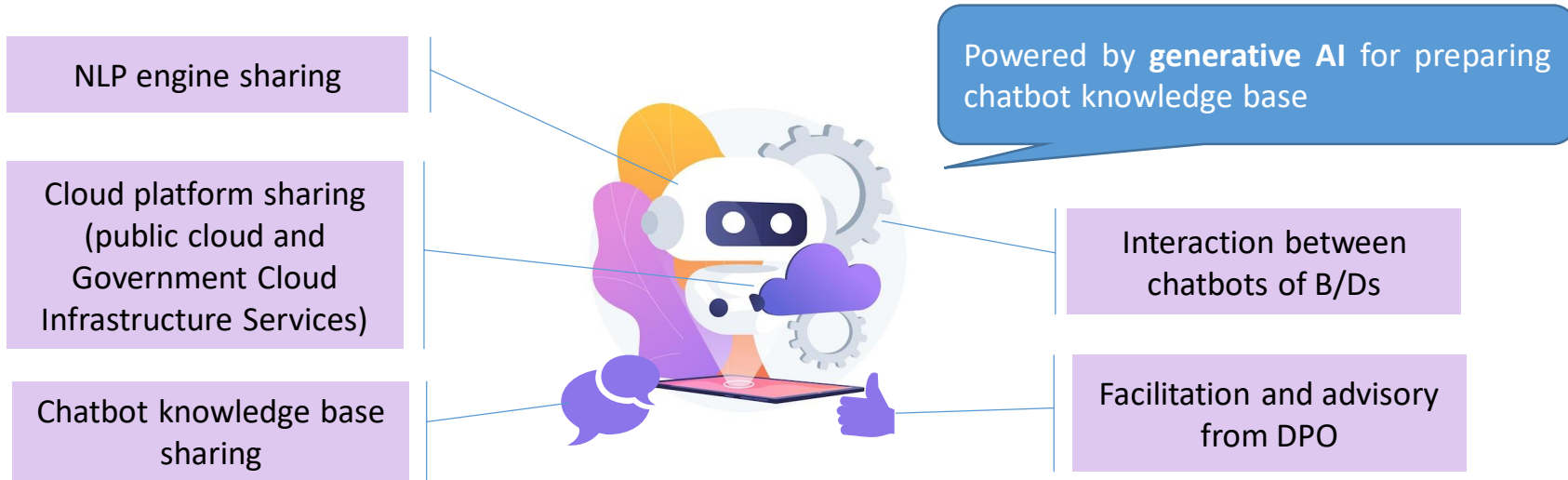
To enhance the intellectual property legal regime, the Commerce and Economic Development Bureau has launched a public consultation on 8 July 2024 on the **enhancement of the Copyright Ordinance** regarding the protection for AI technology development, covering (a) copyright protection of AI-generated works; (b) copyright infringement liability for AI-generated works; and (c) possible introduction of specific copyright exception, etc.







Chatbot-as-a-Service



Supporting many chatbots in production use



EDB



CEDD



DEVB



AFCD



LD



EEB



C&ED



CEDD



CSB



with many other chatbots under development...

- AI models are trained to analyse unstructured text description of commodities in trade declarations and recommend the categories of commodity codes and validate unit prices for trade declarations.
- Streamline the data preparation process for compiling merchandise trade statistics.





Thank you