



Government
Digital & Data

AI - Opportunity to Reality

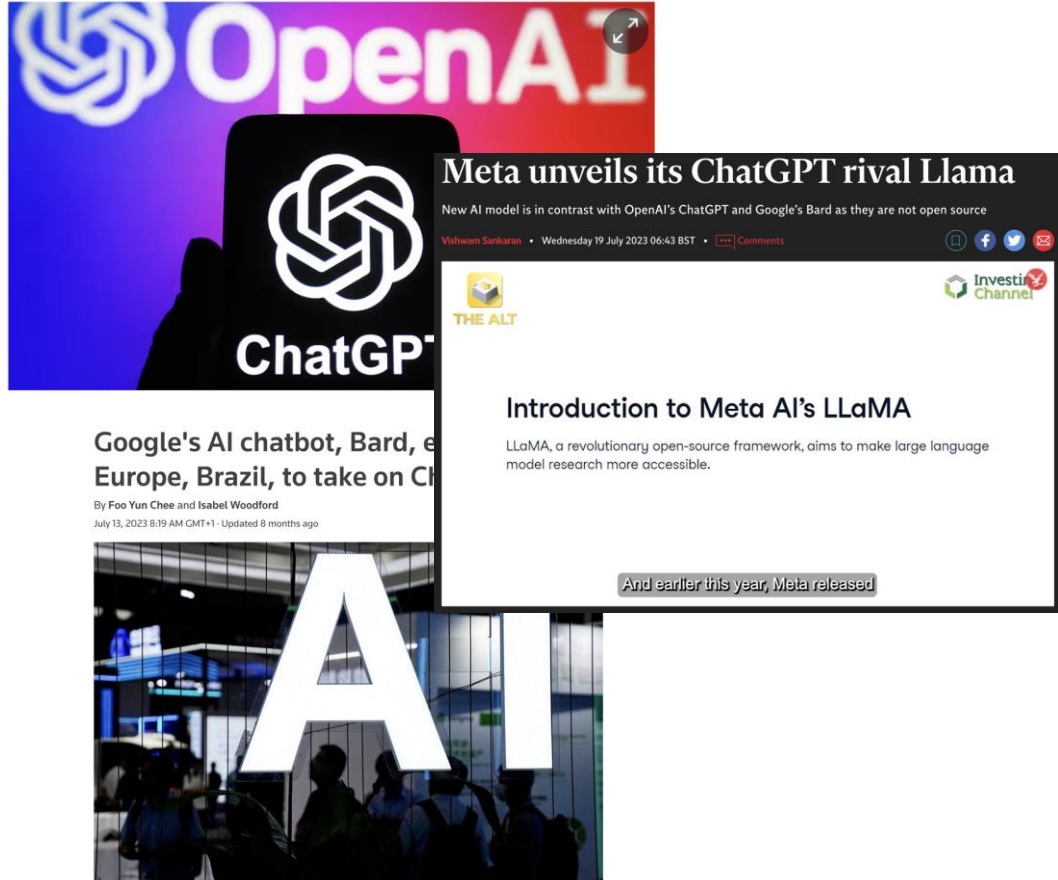
Central Digital & Data Office
David Knott, CTO

March 2024

GenAI has created excitement - but is still on the way to value

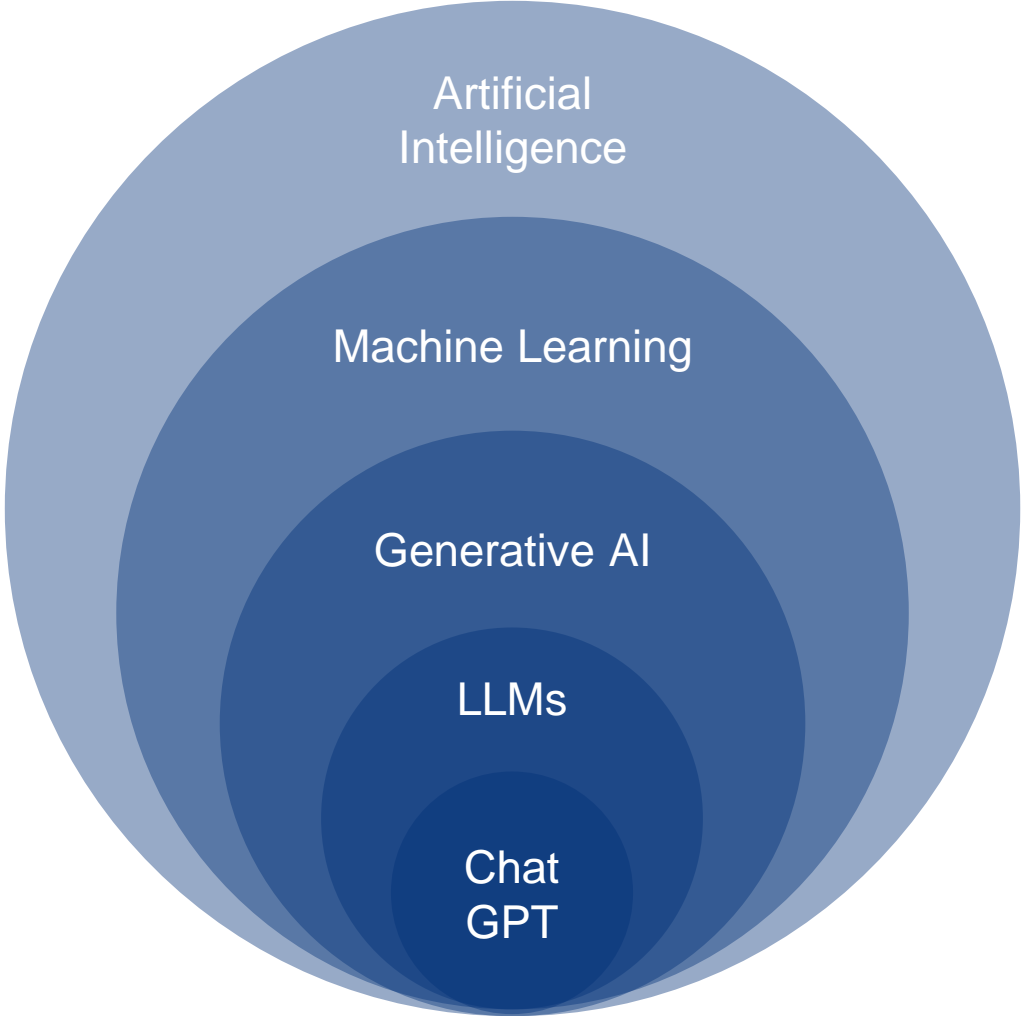
ChatGPT reaches 100 million users two months after launch

Unprecedented take-up may make AI chatbot the fastest-growing consumer internet app ever, analysts say

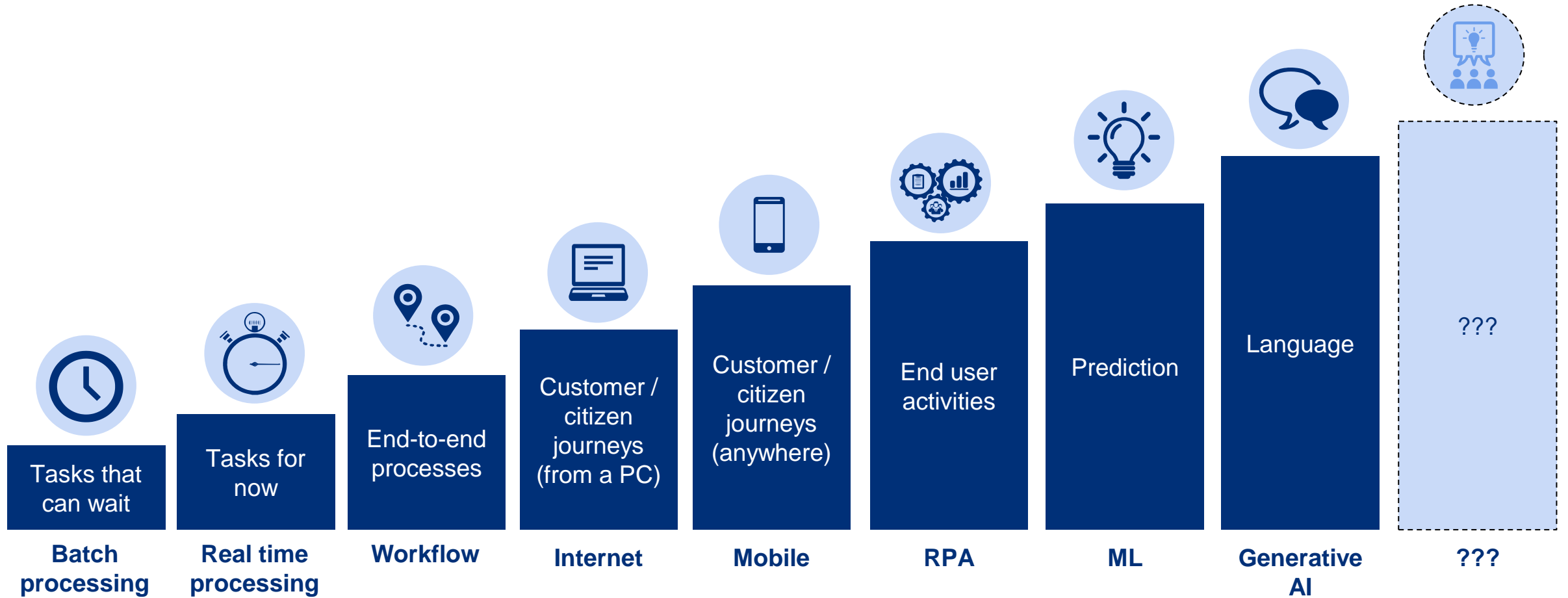


Our goal: enable public sector organisations to use Generative AI safely, responsibly and effectively, where it matters most

Generative AI is part of the evolution of Artificial Intelligence . . .



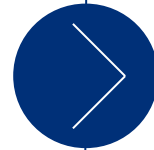
... and part of the evolution of how we use computers to do work



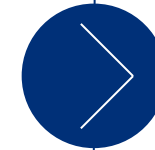
But Generative AI is not like other technologies . . .



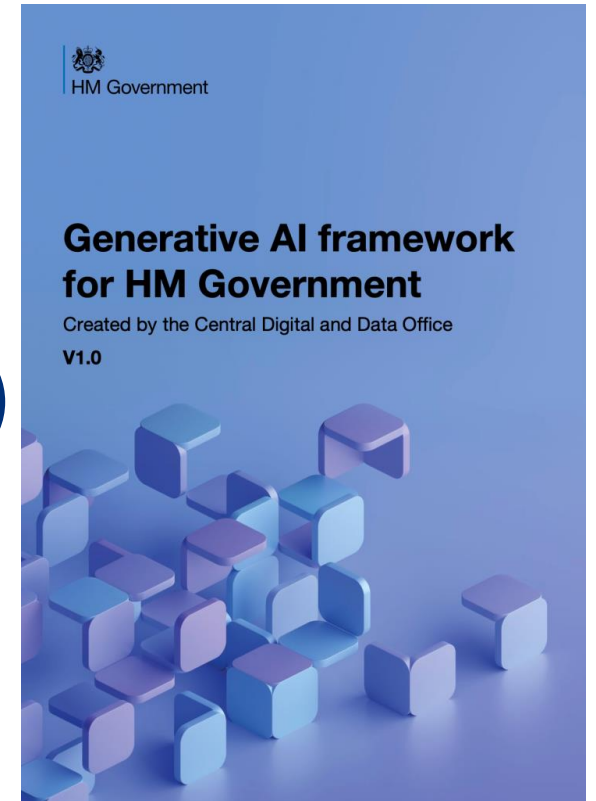
... and its use needs consideration and control



Unsupervised learning
Supervised learning
RLHF
Prompt engineering
Fine tuning
Result validation
Vector embeddings




Ethics
Law
Regulation



Generative AI Framework: the principles

 You know what Generative AI is and what its limitations are.

 You use Generative AI lawfully, ethically and responsibly.


 You know how to keep Generative AI tools secure.


 You have meaningful human control at the right stage.


 You use the right tool for the job.

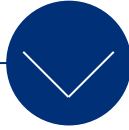
 You are open and collaborative.

 You work with commercial colleagues from the start.

 You use Generative AI in line with these principles and your organisation's policies.

 You have the skills and expertise needed to build and use Generative AI.

 You understand how to manage the full Generative AI life cycle.



Enabling people to use GenAI confidently and responsibly, where it matters most.



Government
Digital & Data

Central Digital & Data Office

For further information about this presentation contact
david.knott@digital.cabinet-office.gov.uk