

ACPC 2023 SUMMER MEETING

June 25–27 | Pendry Chicago

CHICAGO



ACPC

ASSOCIATION OF CORPORATE
PATENT COUNSEL

All Things AI

June 27, 2023 2:15-3:30pm



**Lily
Lim**
Fortive
AGC, IP &
Software



**Chip
Lutton**
C3.ai
former GC

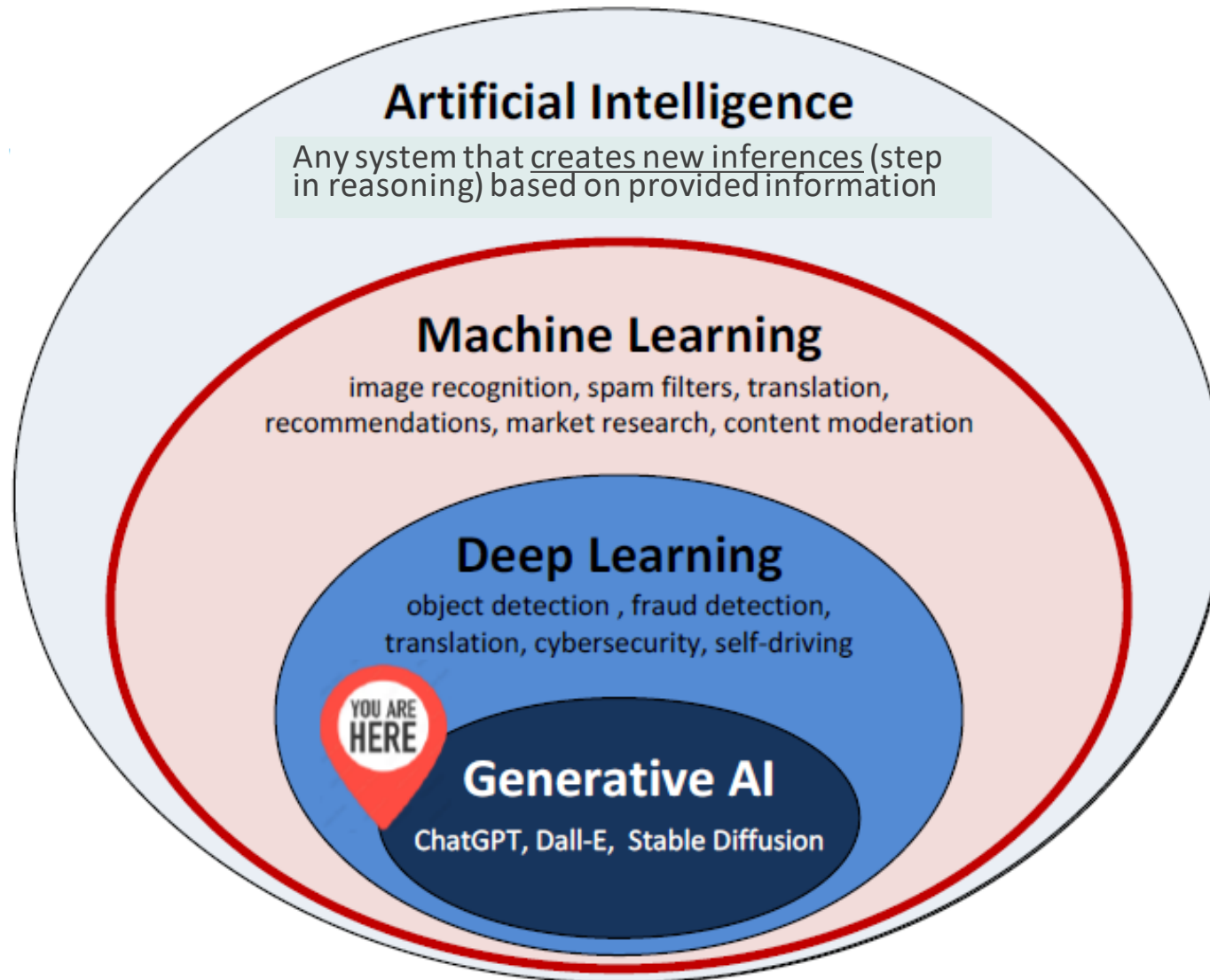


**Dr. Geoffrey
Morgan**
Fortive
Director,
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**Meredith
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USPTO
Associate
Solicitor

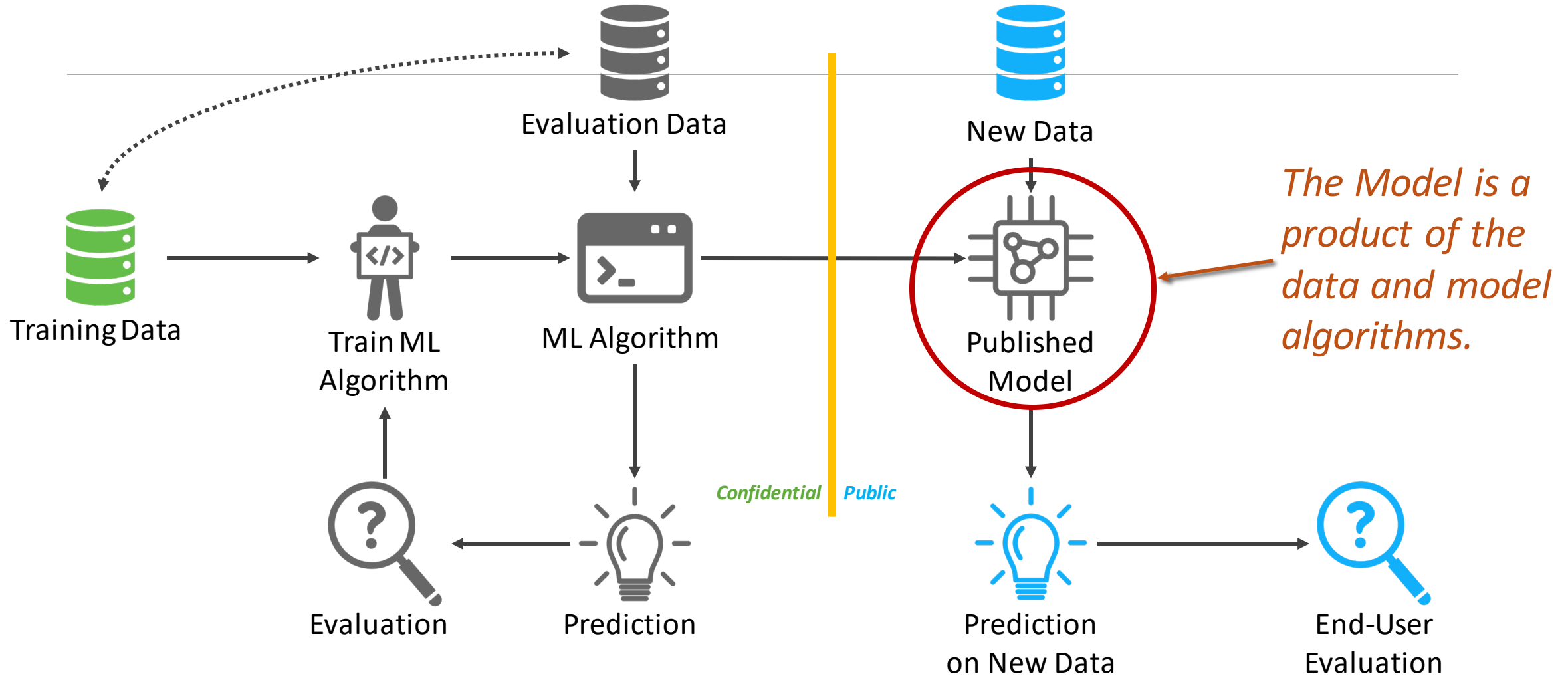
Artificial Intelligence



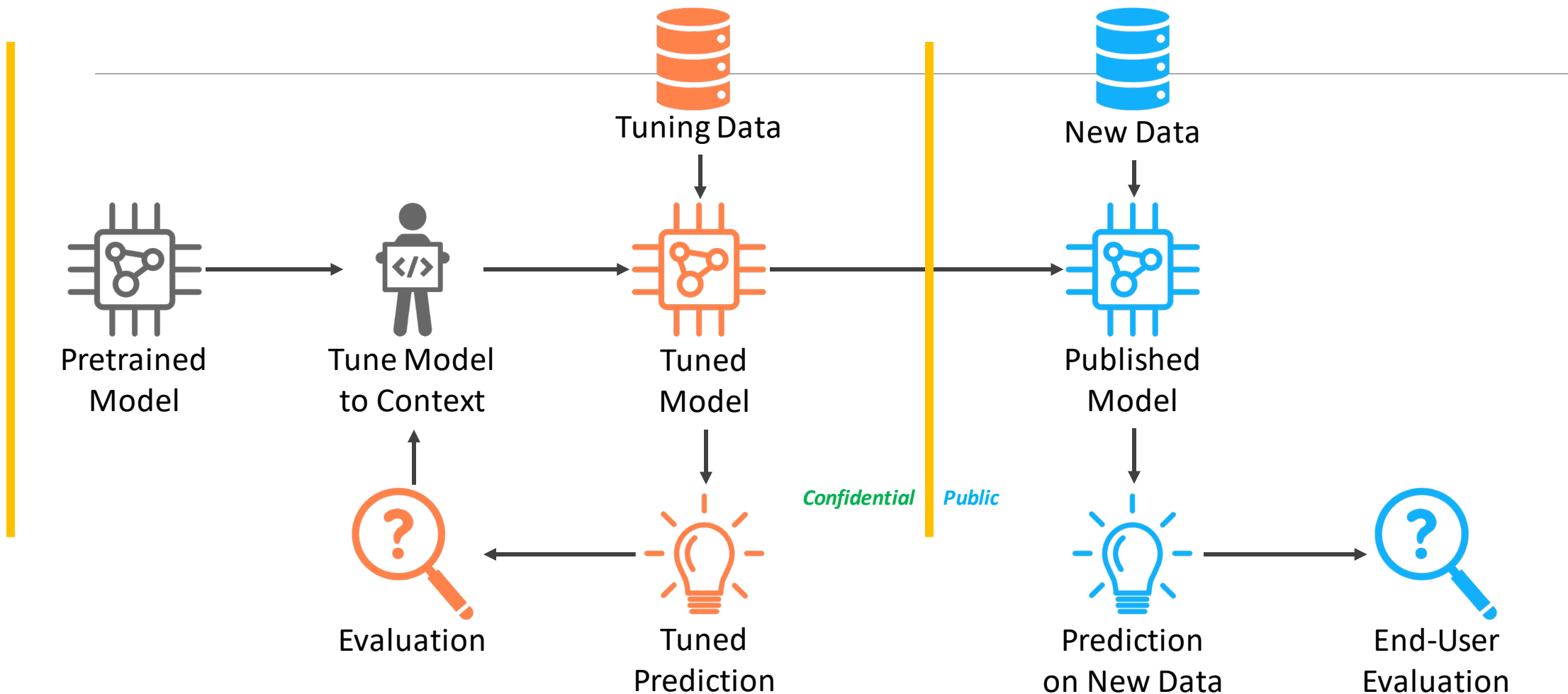
What is Generative AI?

Generative AI's Large Language Models (like ChatGPT) are fundamentally predictive text models that select the next word based on what is dimensionally closest to the one before it.

How Machine Learning Models are Trained



Further Tuning and Transfer Learning



Generative AI: New Types of Risks

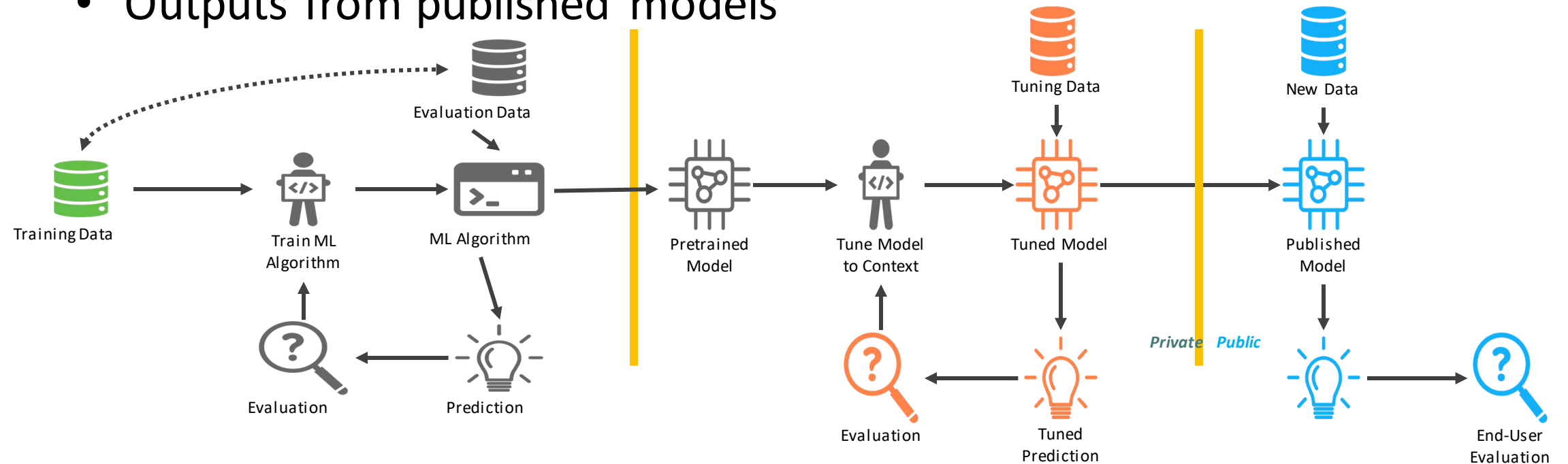
- Hallucinations
- Propagation of biases
- Operational issues
 - Business values, priorities and culture
 - Tools and information usage
 - Contractual compliance, including TOS
 - Customer expectations (transparency)
- Safety
- Data Security
- Data Privacy
- Leakage of corporate/ customer information

USPTO AI policy developments

- USPTO: AI issues
 - AI Inventorship:
 - Listening sessions summaries
 - What is the patentable human contribution?
 - AI and Obviousness:
 - Prior Art in view of AI?
 - AI policy:
 - AI writing patent applications
 - AI tools at the USPTO

AI Inventorship & Ownership Issues

- Ownership & Inventorship of:
 - Data used to train and tune models
 - Data submitted to published models
 - Prompts
 - Outputs from published models

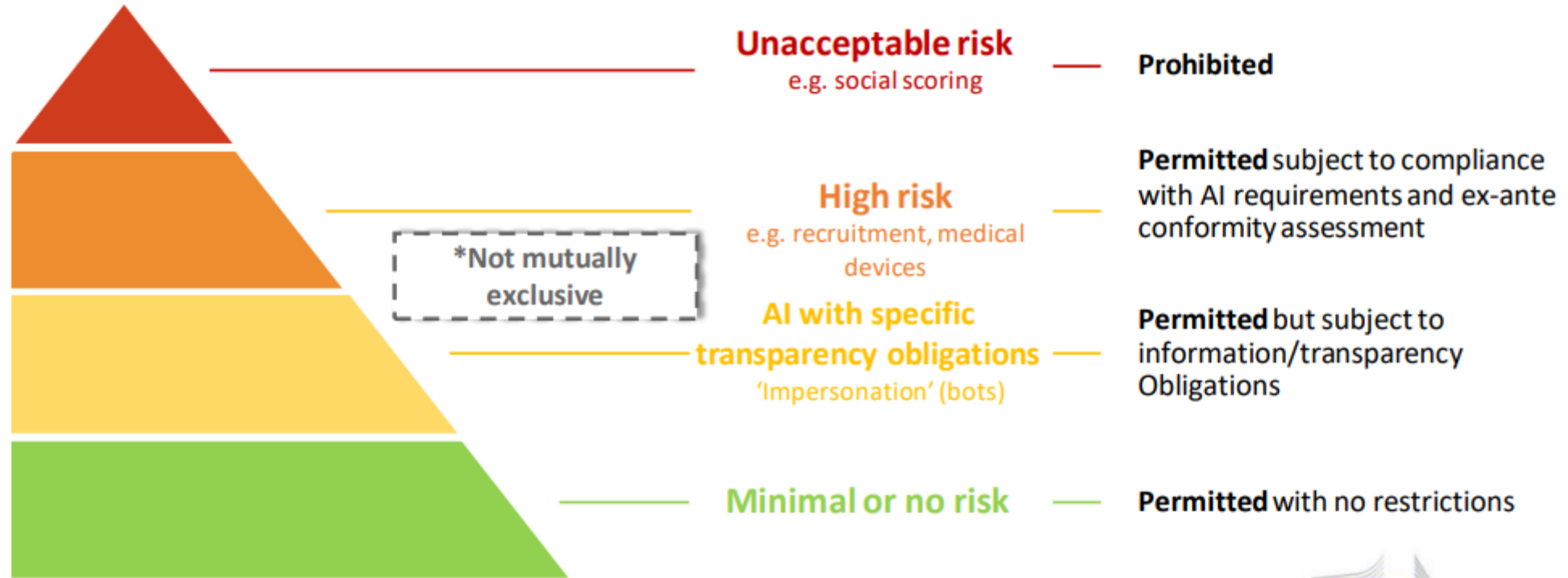


AI Copyright Issues

- Copyright:
 - AI cannot be author
 - Fair Use?

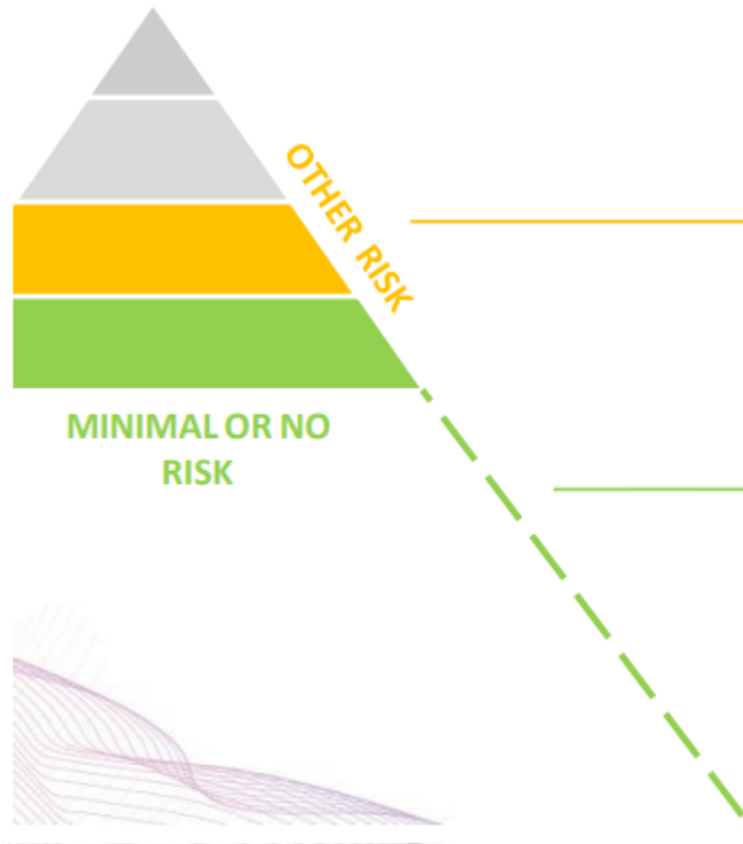
EU AI Act

A risk-based approach to regulation



EU AI Act

Most AI systems will not be high-risk
(Titles IV, IX)



New transparency obligations for certain AI systems (Art. 52)

- ▶ **Notify humans** that they are **interacting with an AI system** unless this is evident
- ▶ Notify humans that emotional recognition or biometric categorisation systems are applied to them
- ▶ Apply **label to deep fakes** (unless necessary for the exercise of a fundamental right or freedom or for reasons of public interests)

Possible voluntary codes of conduct for AI with specific transparency requirements (Art. 69)

- ▶ No mandatory obligations
- ▶ Commission and Board to encourage drawing up of codes of conduct intended to foster the **voluntary application of requirements to low-risk AI systems**

High-risk Artificial Intelligence Systems (Title III, Annexes II and III)

Certain applications in the following fields:

1 SAFETY COMPONENTS OF REGULATED PRODUCTS

(e.g. medical devices, machinery) which are subject to third-party assessment under the relevant sectorial legislation

2 CERTAIN (STAND-ALONE) AI SYSTEMS IN THE FOLLOWING FIELDS

- ✓ Biometric identification and categorisation of natural persons
- ✓ Management and operation of critical infrastructure
- ✓ Education and vocational training
- ✓ Employment and workers management, access to self-employment
- ✓ Access to and enjoyment of essential private services and public services and benefits
- ✓ Law enforcement
- ✓ Migration, asylum and border control management
- ✓ Administration of justice and democratic processes



Questions?