

THIS IS YOUR BAGEL GOODIES BAG FROM YOUR TOUR OF AI MULTIVERSE
PRESENTATION

EVERYTHING EVERYWHERE ALL AT ONCE

Mastering the AI Framework in Every Dimension

Thursday, 9 MAY 2024

NAVIGATING THE AI REGULATORY UNIVERSE

-  AI & Data Regulations
-  Privacy Regulations
-  Voluntary Frameworks

-  Draft AI & Data regulations
-  Draft Privacy regulations



EUROPEAN UNION

EU AI ACT

- Landmark **comprehensive** AI regulation
- Approved March 2024; Effective late 2024-2026
- **Extraterritorial applicability**
- **Horizontally applicable** across sectors
- **Risk-based approach** to regulating AI, requiring:
 - assessments and bias mitigation >>> **fairness**
 - technical documentation >>> **explainability**
 - human oversight >>> **accountability**
 - testing, auditing, evaluation >>> **security**)
 - notice and disclosures >>> **transparency**
 - bans certain AI uses (e.g. re facial recognition)

OTHER EU AI POLICIES

EU General Data Protection Regulation (GDPR)

- Privacy principles apply to AI processing of personal data, May 2018

EU Data Act

- Applies to non-personal data used in AI development, December 2023

Council of Europe AI Convention

- To be a legally binding treaty on AI, pending April 2024

IMAGINE IF...



UNITED STATES

JANUARY 2023

NIST (National Institute of Standards and Technology)
AI Risk Management Framework

OCTOBER 2023

Biden Executive Order for Safe, Secure, & Trustworthy Development & Use of AI

APRIL 2024

Future of AI Innovation Act & American Privacy Rights Act bipartisan privacy and AI legislation introduced

NOVEMBER 2022

Open AI releases ChatGPT 3.5

JULY 2023

New York City Automated Employment Decision Tools Regulation

DECEMBER 2023

Federal Trade Commission Enforcement FTC vs. Rite Aid case defines responsible AI governance standards

AS AT MAY 2024

Connecticut, California & Colorado: comprehensive AI legislation pending

GLOBAL AI SOFT LAWS

GLOBAL AI GOVERNANCE FRAMEWORKS

<p>OECD</p> <p>Organization for Economic Cooperation and Development AI Principles (May 2019)</p>	<p>SINGAPORE</p> <p>Model AI Governance Framework (January 2019)</p>	<p>INDIA</p> <p>NITI Aayong Principles for Responsible AI (February 2021)</p>	<p>JAPAN</p> <p>Governance Guidelines for Implementation of AI Principles (January 2022)</p>	<p>UNITED STATES</p> <p>National Institute of Standards and Technology AI Risk Management Framework (January 2023)</p>	<p>UNITED KINGDOM</p> <p>Policy Paper on “A pro-innovation approach to AI regulation” (August 2023)</p>	<p>AI SAFETY SUMMIT</p> <p>The Bletchley Declaration (November 2023)</p>	<p>G7 HIROSHIMA PROCESS</p> <p>AI Principles and Code of Conduct (October 2023)</p>
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OPERATONALIZING COMMON PRINCIPLES

FAIRNESS	EXPLAINABILITY	ACCOUNTABILITY	SECURITY	PRIVACY	TRANSPARENCY
Risk Assessment	Technical Documentation	Internal Governance	Monitoring	Privacy Impact Assessments	Public Notice and Disclosures
Ethics-by-Design	Training Descriptions	Developer and Deployer Roles	Auditing	Privacy-by-Design	Stakeholder Communication
Diversity	Data and Lifecycle Management	Human Involvement	Testing and Validation	Privacy Laws Compliance	Internal Policies

A Global Convergence of Common AI Principles

THE BAGEL-EFFECT

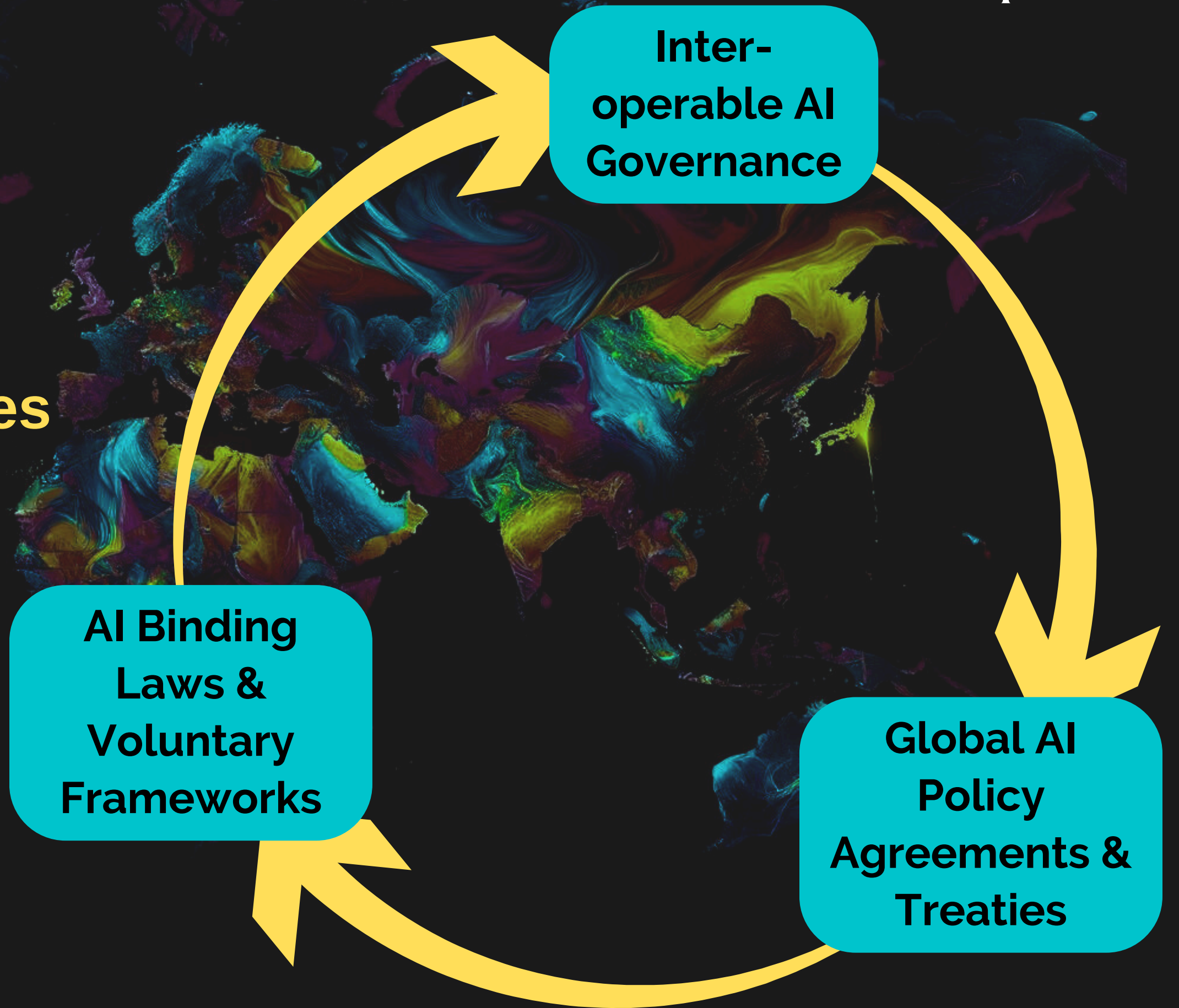
Common principles underpinning global policies

- Fairness
- Explainability
- Accountability
- Security and Privacy
- Transparency

AI Binding
Laws &
Voluntary
Frameworks

Inter-
operable AI
Governance

Global AI
Policy
Agreements &
Treaties



THE BAGEL EFFECT: “FEAST”

Fairness 公平

Explainability 可解释性

Accountability 责任

Security & Privacy 安全和隐私

Transparency 透明性



Everything, Everywhere, All at Once - AI Principles Quilt

BAGEL "FEAST" (5)	SINGAPORE (11)	ASEAN (7)	CHINA (8)	INDIA (7)	JAPAN (7)	AUSTRALIA (8)	EU (6)	USA (5)
Everything, Everywhere, All at Once	Model AI Governance Framework	Guide on AI Governance and Ethics	AI Governance Principles	Principles for Responsible AI	Social Principles of Human-Centric AI	AI Ethics Principles	Artificial Intelligence Act	AI Bill of Rights
Fairness	Transparency	Transparency & Explainability	Harmony & Friendliness	Safety & Reliability	Human Centric	Human, Social & Environmental Well-being	Human Agency & oversight	Safe & Effective Systems
Explainability	Explainability	Fairness & Equity	Fairness & Justice	Equality	Education / Literacy	Human-centred Values	Technical Robustness and Safety	Algorithmic Discrimination Protections
Accountability	Repeatability / Reproducibility	Security & Safety	Inclusiveness & Sharing	Inclusivity & Non-discrimination	Privacy Protection	Fairness	Privacy & Data Governance	Data Privacy
Security & Privacy	Safety	Robustness and Reliability	Respect for Privacy	Privacy & Security	Security	Privacy Protection & Security	Transparency	Notice & Explainability
Transparency	Security	Human-centricity	Security & Controllability	Transparency	Fair Competition	Reliability & Safety	Diversity, non-discrimination & fairness	Human Alternatives, Consideration and Fallback
	Robustness	Privacy & Data Governance	Shared Responsibility	Accountability	Fairness, Accountability & Transparency	Transparency	Social & environmental well-being	
	Fairness	Accountability & Integrity	Open Cooperation	Protection & reinforcement of positive human values	Innovation	Contestability		
	Accountability		Agile Governance			Accountability		
	Human Agency & Oversight							
	Inclusive Growth							
	Societal & Environmental Wellbeing							

THE BAGEL "FEAST" - THE BANK STORY

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- The illustration depicts a professional meeting between a man and a woman. The man, on the left, is wearing a suit and tie, looking towards the woman. The woman, on the right, has her hand to her forehead, appearing stressed or overwhelmed. In the center, a large monitor displays a list of AI principles, each preceded by a red circle with a white 'X'. The background is filled with various icons: question marks, a sad robot, a sad face, a person icon, a lightbulb, a gear, a checkmark, and a skull, suggesting a complex and challenging environment.
- X** Fairness
 - X** Explainability
 - X** Accountability
 - Security & Privacy
 - X** Transparency

THE BAGEL “FEAST” - CHATBOT STORY

“If you need to travel immediately or have already travelled and would like to submit your ticket for a reduced bereavement rate, kindly do so within 90 days of the date your ticket was issued by completing our Ticket Refund Application form.”

(Moffatt v. Air Canada, 2024 BCCRT 149 (CanLII))

14 February 2024

Fairness



Explainability



Accountability



Security & Privacy



Transparency

THE BAGEL “FEAST” - CLEARVIEW AI STORY



- ✘ **Fairness**
- Explainability**
- ✘ **Accountability**
- ✘ **Security & Privacy**
- Transparency**

Commissioner initiated investigation into Clearview AI, Inc. (Privacy) [2021] AICmr 54 (14 October 2021).



YOUR GUIDES TO THE AI MULTI-VERSE



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Chapter