LF AI & DATA

Trusted AI Committee (Monthly Meeting) - **Generative AI and New Regulations**
Adrian Gonzalez Sanchez - Cloud, Data & AI Specialist | University Lecturer

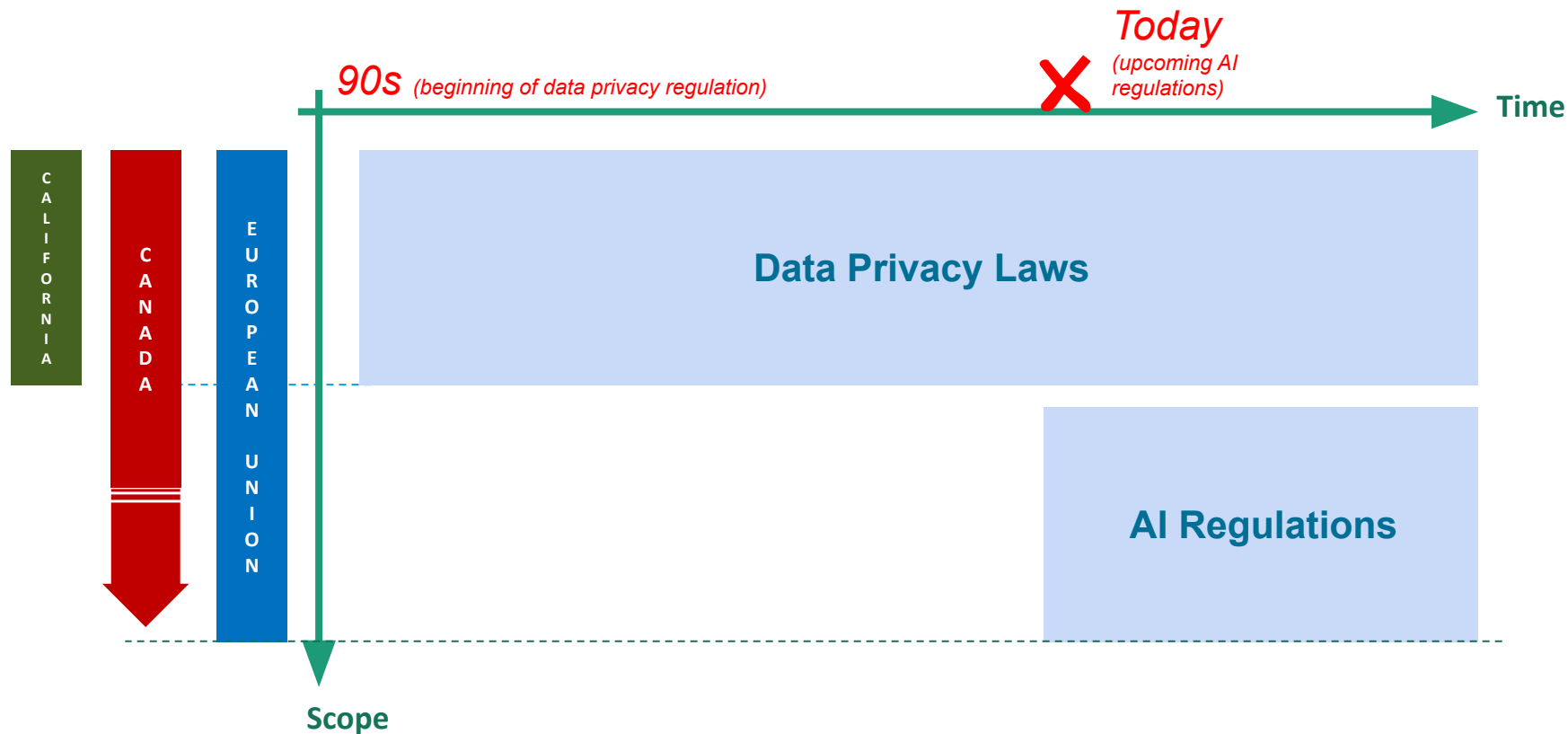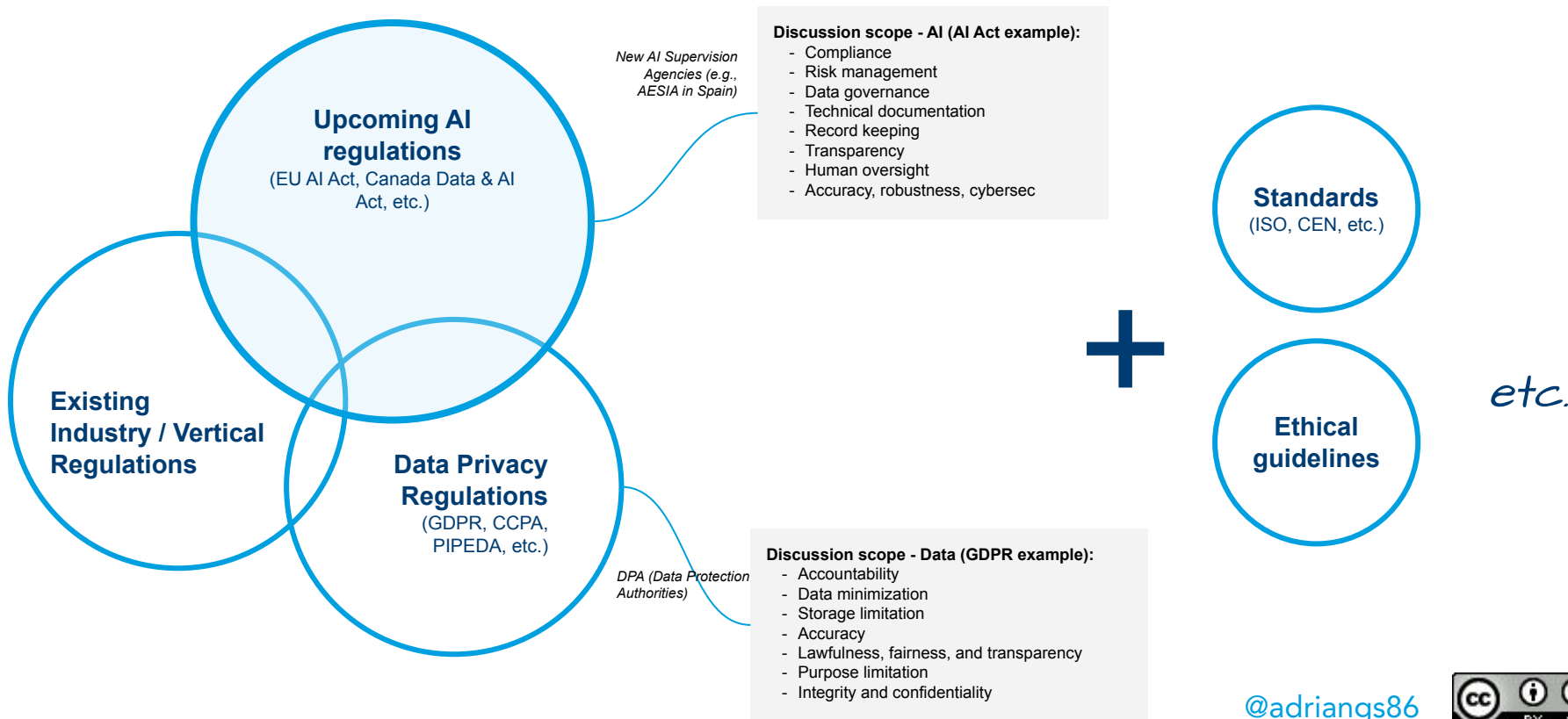**April 6, 2023**
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Content

1. International AI Regulation Landscape

2. Case study: EU AI Act + Gap Analysis

3. Other Resources + Open Discussion

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① International AI Regulation Landscape

90s *(beginning of data privacy regulation)*

Today
(upcoming AI regulations)

Time

CALIFORNIA

CANADA

EUROPEAN UNION

Data Privacy Laws

AI Regulations

Scope

AI ETH|CS

① International AI Regulation Landscape

Upcoming AI regulations
(EU AI Act, Canada Data & AI Act, etc.)

Existing Industry / Vertical Regulations

Data Privacy Regulations
(GDPR, CCPA, PIPEDA, etc.)

New AI Supervision Agencies (e.g., AESIA in Spain)

Discussion scope - AI (AI Act example):
- Compliance
- Risk management
- Data governance
- Technical documentation
- Record keeping
- Transparency
- Human oversight
- Accuracy, robustness, cybersec

DPA (Data Protection Authorities)

Discussion scope - Data (GDPR example):
- Accountability
- Data minimization
- Storage limitation
- Accuracy
- Lawfulness, fairness, and transparency
- Purpose limitation
- Integrity and confidentiality

Standards
(ISO, CEN, etc.)

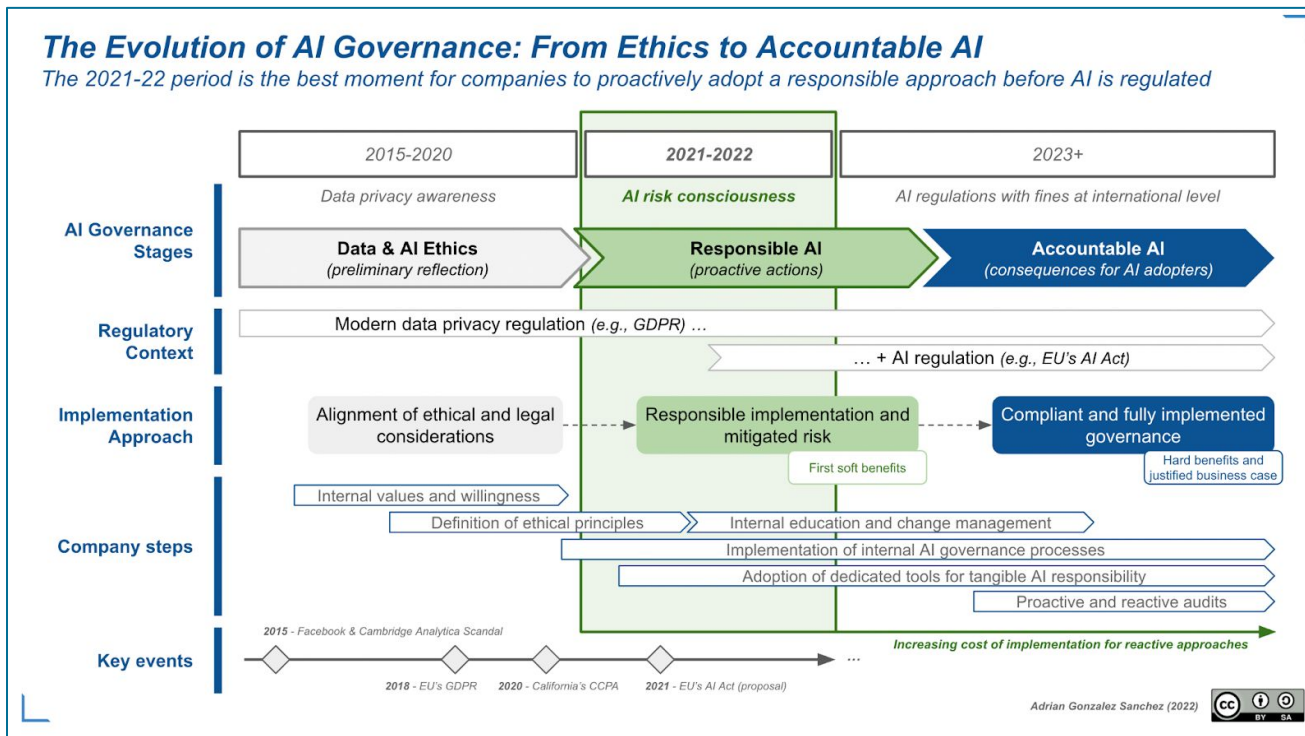**+**

Ethical guidelines

etc.

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② **Gap analysis** for EU AI Act and New Generative AI Applications

Focus	- Risk categories allow analysis by specific use cases, focused on their nature and criticality - Current discussions about Generative AI are contributing to the thought process - WIP
Definition of levels of risk	- Key discussions on definition of general purpose AI (converging to OECD's def), and high-risk AI category - Very recent proposals to include Generative AI as a high-risk system
Intellectual Property	- IP from Generative AI-enabled tools still unclear. New topic, uncovered by AI Act and other regulations - Ongoing discussions in USA with the U.S. Copyright Office for literary, visual, audiovisual, and music works
Closed & Open Source Scenarios	- Open source included or excluded from the regulatory process - Accountability, explainability and transparency obligations for open/closed models and solutions

③ Where are we today? From ethics and responsibility to accountability

The Evolution of AI Governance: From Ethics to Accountable AI
The 2021-22 period is the best moment for companies to proactively adopt a responsible approach before AI is regulated

④ Open discussion

What's next for Generative AI

?

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