

A dramatic night sky with a lightning bolt striking a cityscape. The lightning bolt is bright white and jagged, striking the city from the left. The city lights are a mix of warm yellow and orange, with some cooler blue and green lights. The sky is dark blue and black, with some lighter clouds. The overall mood is intense and futuristic.

A short Briefing on the EU AI Act

The very basics on Regulations for AI
in the European Union

Key Definitions

Artificial Intelligence
Algorithms
Risk Based Classification

Artificial Intelligence

Algorithms

Risk Based Classification

New Rules for AI

Transparency Obligations

High Risk AI Applications

Compliance Requirements

Implications for Stakeholders

Exemptions

Provisions for AI Regulation

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Introduction to the EU AI Act

Purpose of the AI Act

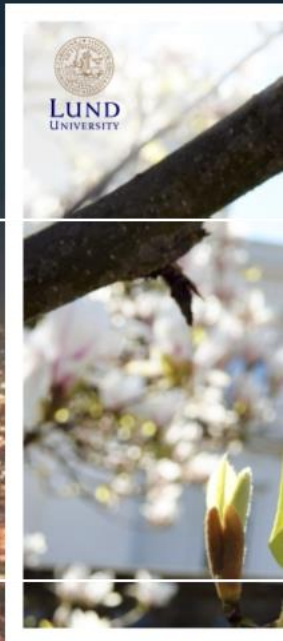
Importance of Regulation

Enforcement and Governance in the EU AI Act

Important actors in the EU

Penalties for Non-compliance

OC, t, h, f, J, U, L, - 11 ()

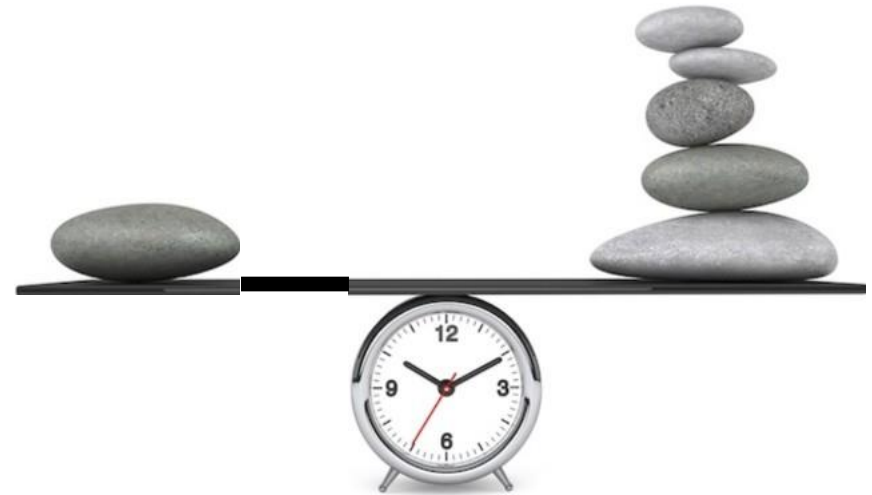




Introduction to the EU AI Act

Purpose of the AI Act

Balance of innovation,
safety and
responsibility





Importance of Regulation

Stephen Hawking
Prominent AI-researchers and
technology forerunners
Nobel prize winners

Overview of AI in the EU

Very Dangerous = Banned

Dangerous = Restricted

Not Dangerous = 'Unregulated'



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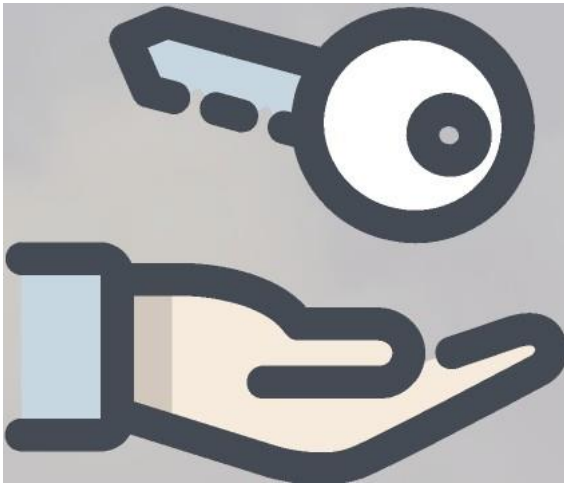
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OC, t, h, f, i, j, k, l, m, n, o, p, q, r, s, t, u, v, w, x, y, z



Key Definitions



Artificial Intelligence
Algorithms
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Artificial Intelligence

'CLEAR' AI
DEFINITION

OECD ALIGNED

GENERAL PURPOSE
AI DEFINITION



'CLEAR' AI DEFINITION


OECD ALIGNED

GENERAL PURPOSE
AI DEFINITION



'Technology agnostic'
definition. Various AI
systems operate with
differing levels of
autonomy and
learning capabilities.





The Act also
categorizes General
Purpose AI models,
highlighting their broad
functionality across
multiple applications.

Algorithms

Understanding algorithms is crucial for grasping how AI systems function and their implications for society.

How do algorithms shape our interactions with AI?

Risk-based Classification

Classification of AI risk levels for compliance and regulation.



UNACCEPTABLE - PROHIBITED

AI applications that pose clear threats to safety, health or fundamental rights, the classification of which is prohibited under regulation.



HIGH RISK - CONFORMITY REQUIRED

High-risk AI applications require stringent compliance with the requirements due to their significant impact on fundamental rights and safety.



LIMITED RISK - TRANSPARENCY

AI applications fall under limited risk but still require adherence to oversight measures to ensure their use.



MINIMAL - CODES OF CONDUCT

Minimal-risk AI applications pose negligible risks and are subject to lighter regulatory scrutiny.



Classification of AI risk levels for compliance and regulation.



UNACCEPTABLE - PROHIBITED

AI applications that pose a clear threat to safety, health, or fundamental rights are classified as unacceptable and are prohibited under regulation.



HIGH RISK - CONFORMITY REQUIRED

High-risk AI applications require stringent compliance with legal requirements due to their significant impact on individuals' rights and safety.



LIMITED RISK - TRANSPARENCY

AI applications deemed limited have lower risks, but still require adherence to oversight measures to ensure ethical use.



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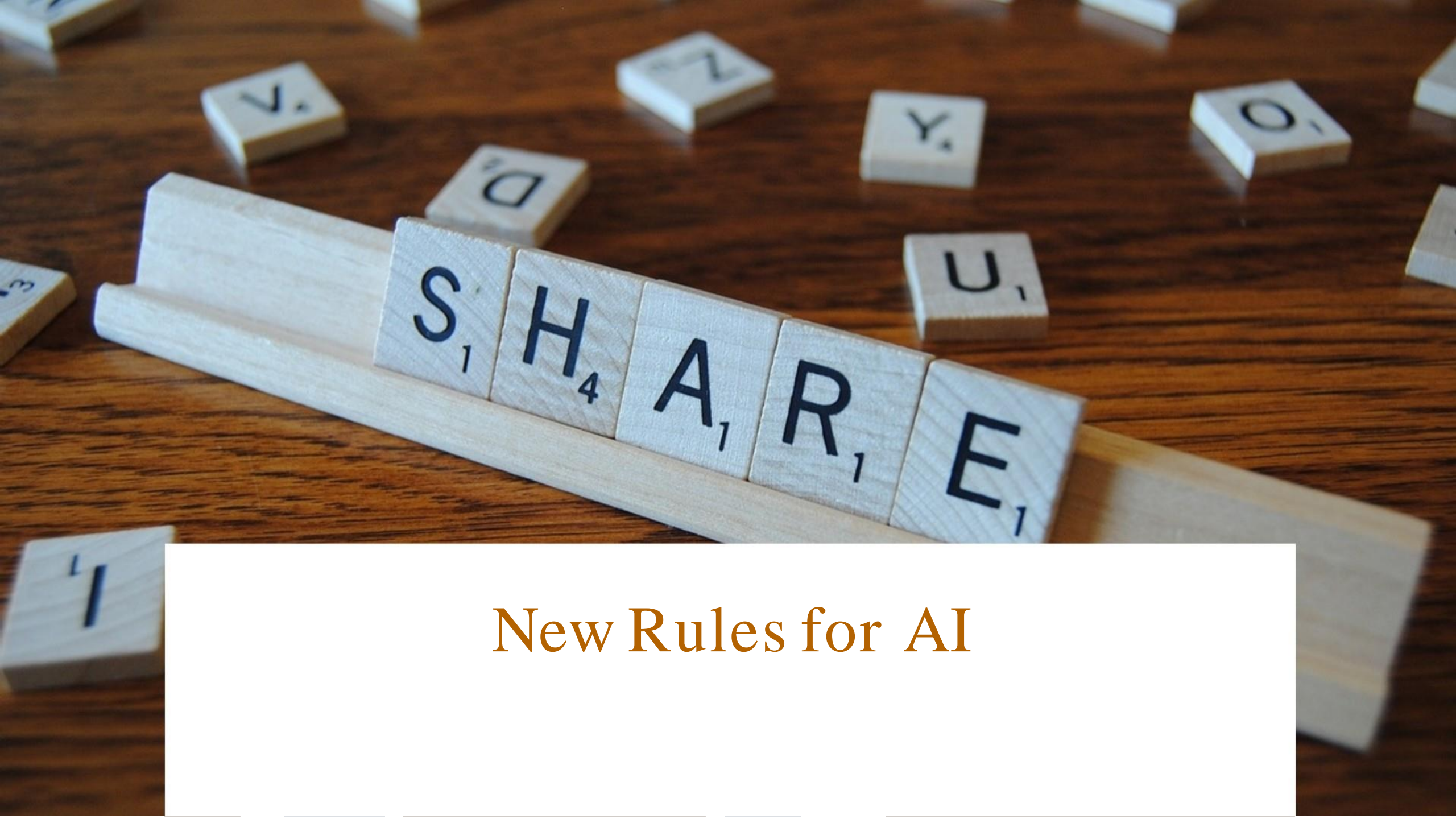
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New Rules for AI

Compliance Requirements

Including:

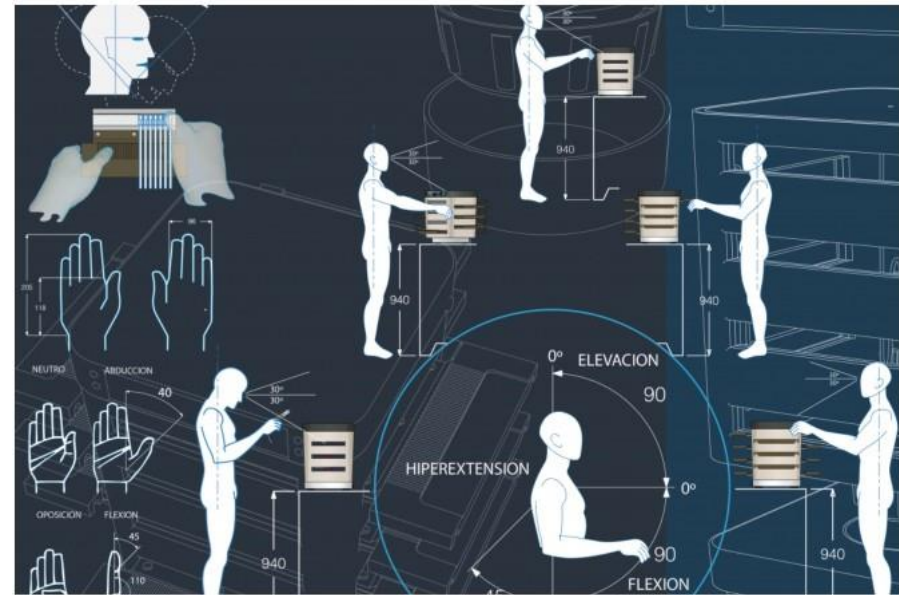
- risk assessments,
- documentation, and
- conformity declarations



High-Risk AI Applications

Examples:

- critical infrastructure,
- biometric identification, and
- educational contexts





Process for High-Risk AI

- 1 Conformity Assessment
 - 2 Registration
 - 3 CE-Marking
-

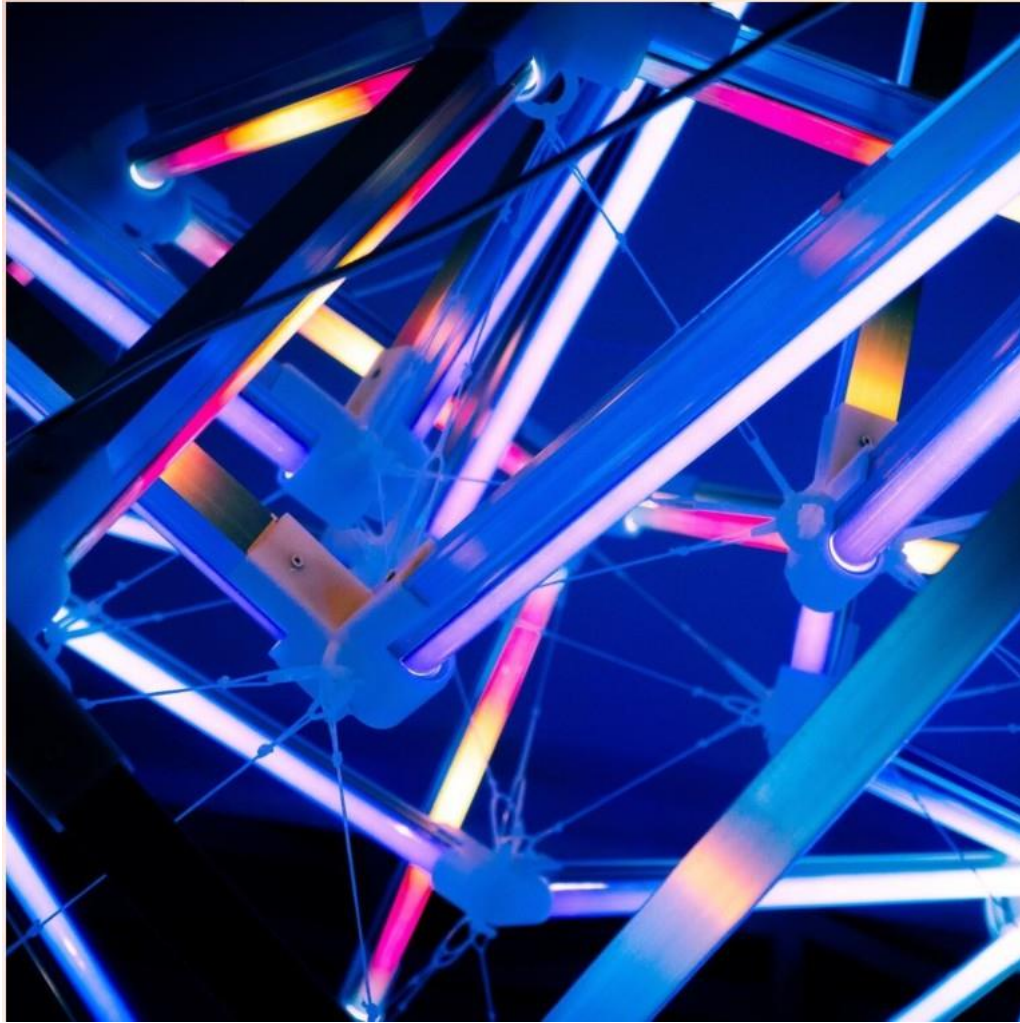
Transparency Obligations

- clear communication
- trust and accountability
- awareness





Enforcement and Governance in the EU AI Act



Important actors in the EU

European Commission

AI Office

AI Board

European Data Protection Board

Penalties for Non-compliance

up to:

6 % of Global Turnover



Ongoing Monitoring

Market Oversight
Audits
Assessments



A futuristic hallway with blue neon lighting and a white text box at the bottom. The hallway is lined with dark blue vertical panels and has a ceiling with recessed lights. The neon lights form a series of rectangular frames that recede into the distance, creating a sense of depth and perspective. The overall atmosphere is high-tech and modern.

Implications for Stakeholders



Impact on Businesses and Developers

Compliance

Information and transparency

AI Literacy

Exemptions

Exemptions

- military, defence or national security purposes,
- scientific research
- not placed on market (sandbox)





Future Trends in AI Regulation

As technology evolves, the EU AI Act sets a precedent for future AI governance. Anticipated trends include greater international collaboration on regulations and adaptation to emerging technologies such as machine learning and deep learning.

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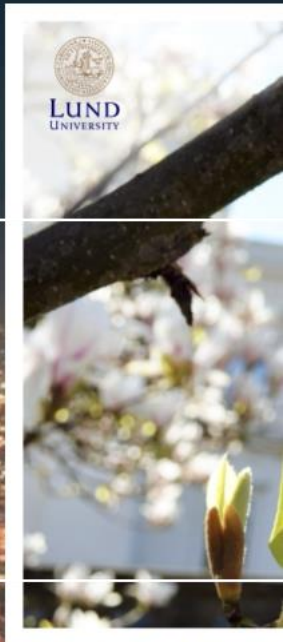
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LUND
UNIVERSITY

A short Briefing on the EU AI Act

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