

EU AI Act vs Executive Order 14110 on Safe, Secure, Trustworthy AI

Editorial verdict: **converges** — see comparison narrative below.

EU · BINDING REGULATION

EU AI Act

EU-AIA-2024

TREATMENT OF ENVIRONMENTAL IMPACT OF AI TRAINING

implicit

Art. 95 voluntary codes of conduct include environmental sustainability; Recital 142 references energy efficiency reporting for GPAI

Primary source: [Regulation \(EU\) 2024/1689](#)

US · EXECUTIVE ORDER

Executive Order 14110 on Safe, Secure, Trustworthy AI

US-EO-14110

TREATMENT OF ENVIRONMENTAL IMPACT OF AI TRAINING

implicit

§5.2 directs environmental-review consideration; §4.2 reporting includes some energy data

Primary source: [Exec. Order No. 14110, 88 Fed. Reg. 75191 \(Nov. 1, 2023\)](#)

What this comparison shows

The two regimes take the same position. This is a candidate for cross-jurisdictional alignment in industry guidance, voluntary codes, and harmonisation tracks.

Contested question: Should environmental obligations attach to (a) model-provider disclosure, (b) datacenter operator emissions caps, or (c) end-customer reporting? The training-vs-inference split also remains unresolved across instruments.

Bibliography

1. [Regulation \(EU\) 2024/1689](#) — EU AI Act.
2. [Exec. Order No. 14110, 88 Fed. Reg. 75191 \(Nov. 1, 2023\)](#) — Executive Order 14110 on Safe, Secure, Trustworthy AI.
3. [Policy Window — Environmental Impact of AI Training](#) (cross-jurisdiction topic article with full coverage matrix).