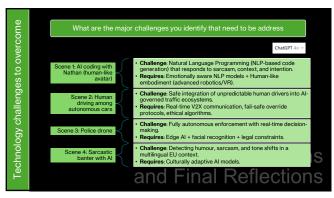
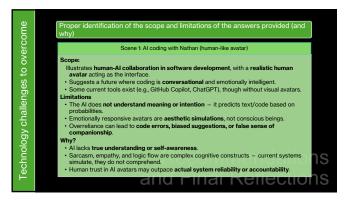


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Proper identification of the scope and limitations of the answers provided (and why)

Scene 2: Nathan driving among autonomous cars

Scope

Portrays mixed traffic environments with both human-driven and autonomous vehicles.
This is a plausible near-future scenario – some pilot programs exist in Germany, Sweden, and the Netherlands.

Limitations
Human drivers introduce unpredictability that autonomous systems struggle to interpret. No shared protocol exists in the EU for real-time coordination between humans and Al in traffic.
Portugal has minimal infrastructure for mixed-autonomy testing.

Why?

Autonomous vehicles rely on predictable behaviour and V2X communication – human input disrupts this.
Ethical dilemmas (e.g., in an accident, who is liable?) remain unresolved.
Standardization across Europe is still evolving, with wide regional discrepancies.

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Proper identification of the scope and limitations of the answers provided (and why)

Scene 4: Sarcastic dialogue between humans and Al

Scope

Suggests an Al capable of sarcasm, humour, and socially appropriate tone.

NLP models today can simulate sarcasm in text, but true understanding is limited.

Implies a future where Al can handle social complexity in communication.

Limitations

Al may misinterpret tone, intent, or cultural nuance, especially in multilingual environments like the EU.

Sarcastic responses from Al can be inappropriate, offensive, or misleading in sensitive contexts.

Lacks emotional intelligence and situational awareness.

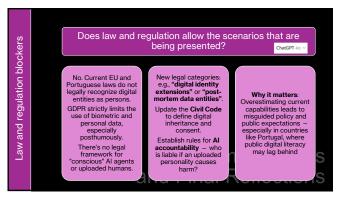
Why?

Sarcasm depends on context, shared experience, and emotional cognition — which Al does not possess.

A sarcastic Al could cause interpersonal tension or misunderstanding, especially in education, law, or healthcare.

No regulation currently governs Al tone or emotional simulation, which increases social risk.

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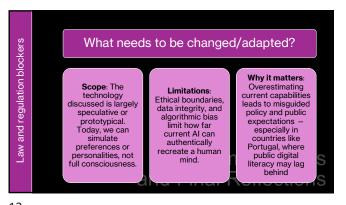


Does law and regulation allow the scenarios that are being presented?

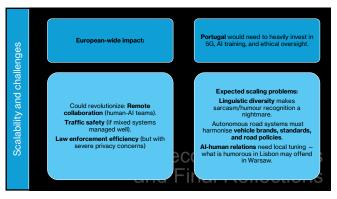
Scene 2 & 3 are the most legally problematic:
Human override in autonomous traffic can breach traffic automation standards.
Police drones performing enforcement actions challenge surveillance laws and civil liberties.

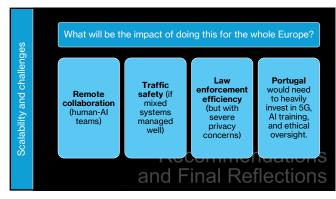
Scene 1 & 4 (Al collaboration) could be partially allowed under Al sandbox regimes.

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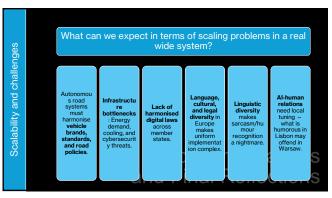


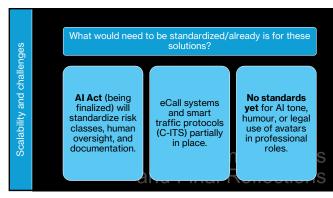




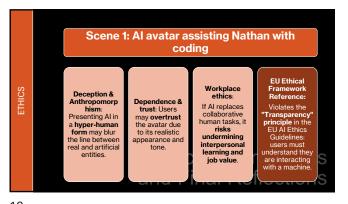


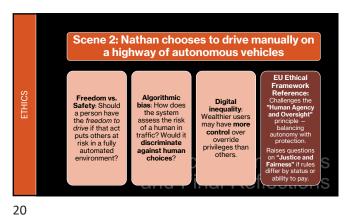
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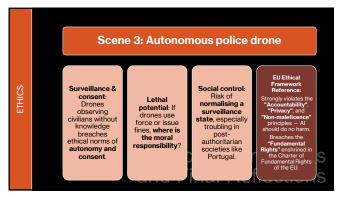


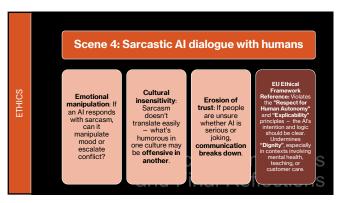


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