



Implement ISO 42001

Demonstrate a commitment to ethical
and responsible AI use

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Agenda

- 1 AI risk
- 2 Mitigating AI risk
- 3 Standards
- 4 ISO 42001
- 5 Implement ISO 42001
- 6 Panel discussion / Q&A





What is AI risk?

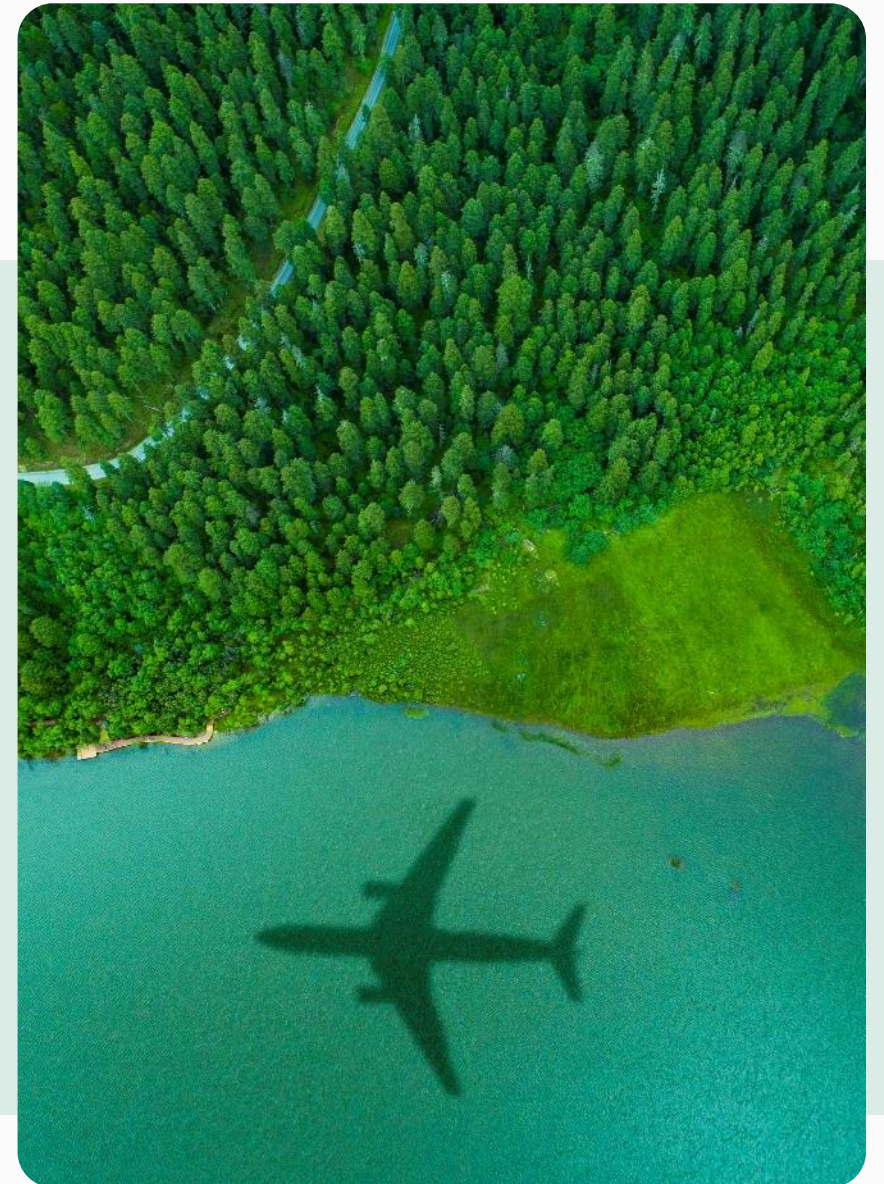


AI risk examples

1 - In 2022, Air Canada's chatbot promised a discount that was, according to their policies, not available to a customer.

“It should be obvious to Air Canada that it is responsible for all the information on its website, ... It makes no difference whether the information comes from a static page or a chatbot.”

2 - Michael Cohen, former lawyer for Donald Trump, used Google Bard to generate non-existent legal case citations. These false citations were unknowingly included in a court motion by Cohen's attorney, David M. Schwartz.



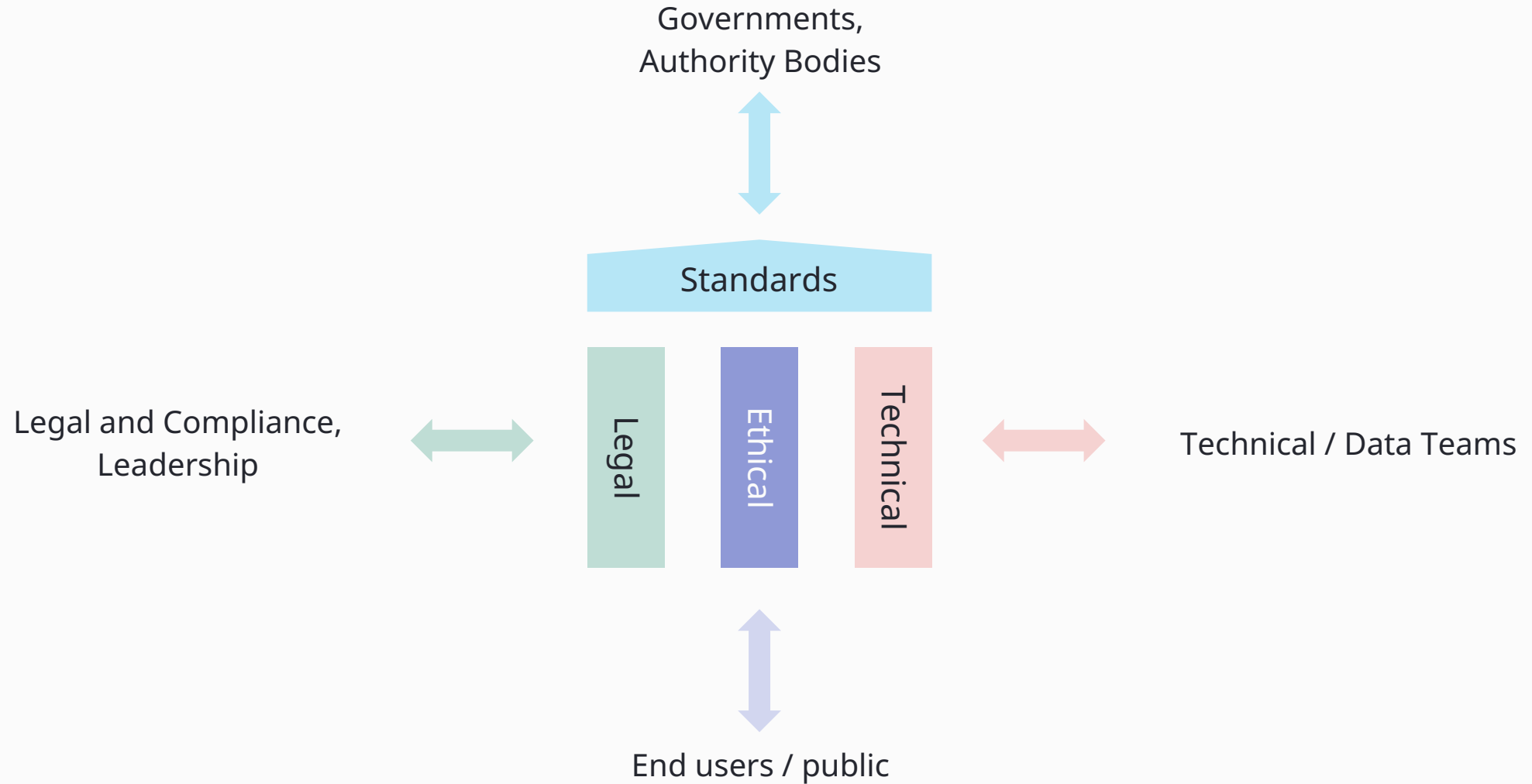


How do we mitigate AI risk?



Responsible AI framework

Creating an ecosystem of trust and collaboration



Legal

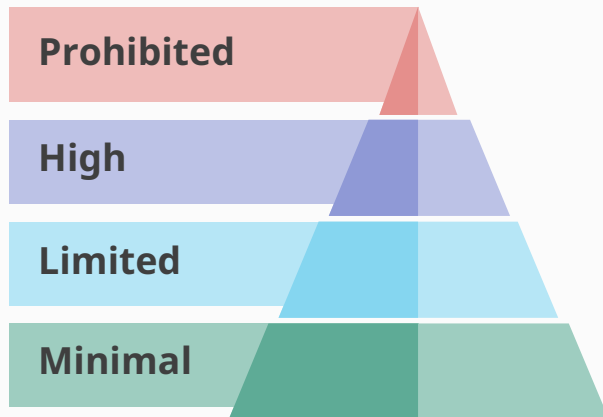
How can we treat AI risk through legal compliance?



Mitigating risk through legal compliance

The EU AI Act is the first piece of horizontal legislation focused on ensuring that deployed AI technologies respect citizen's health, safety, and fundamental rights.

Risk classification



GPAI

Transparency

Download our EU AI Act whitepaper



Poll Question 1

Standards

How can we deal with
AI risks through
International Standards?



ISO 42001

The AI Management System Standard.

Enables an organization to achieve their objectives by having processes in place to identify, manage and treat AI risks.

How should AI be used, developed within the organization?

How do we identify and treat AI risks?

How do we ensure that our organization is prepared for the risk landscape of tomorrow?





How can we implement ISO 42001?

Starter Mode

Improvement Mode



ISO 42001 implementation

Starter Mode – building the foundation for compliance



Context of the organisation

Goal

The (certification) scope of activity that is relevant to AI safety

Documentation

The scope of the organisation defines the start and end points of AI development, usage within the organisation.

- What activities does your organisation undertake?
- Where does AI used or developed?
- Who are the key external and internal influencers?

Leadership

Goal

To ensure that leadership commitment to Responsible AI is aligned with organisational goals

Make sure efforts to achieve Responsible AI usage and development encompass all activities within the scope



Documentation

AI policy is document that should be made available to relevant stakeholders (including end users and employees):

- What is the organisation's attitude towards AI usage and/or development?
- Does it provide employees the relevant principles they should consider before using or developing?
- How does responsible AI usage/development align with strategic objectives?

Planning

Goal

Gain understanding of the organisation's AI risk landscape

Define the success metrics



Documentation

AI Risk Register is a tool organisation can use to have an overview of their AI-related risks:

- How do you compute a risk score for each risk?
- How do you prioritise risk?
- What is the organisation's acceptable risk appetite?

AI System Impact Assessments are key to understand the impacts these systems have on end users:

- Are specific groups affected by the system? How?
- What are the consequences on (certain groups of) end users?

Support

Goal

The resources around Responsible AI is available to achieve your goals

Documentation

Data Handling and Classification Policy:

- Which documents are confidential, and which are public?
- Do you have enough competent people in the organisation to achieve your Responsible AI goals?
- How do make sure that colleagues are aware of risks of use or deploying AI technologies?
- How do we communicate all AI-relevant policies to external and internal stakeholders?
- Do we have documentation of our procedures in place?

Operation

Goal

Establish a risk mitigation strategy for each AI risk

Documentation

Statement of Applicability is central to defining how an organisation mitigate risk impact:

- Which measures are applicable for the organisation to use? Why?
 - TIP: Use ISO 42001 Annex A as template
- Are there additional measures, which could be useful to implement in the organisation?

AI Risk Register:

- Which measures did the organisation use to reduce risk impact? Are they effective in reducing risk impact?

Performance Evaluation

Goal

Evaluate the gaps and improve on your existing management system

Documentation

Internal Audit Programme:

- Which aspects will you assess within the organisation?
- How often will you conduct internal audits?

Internal Audit Reports:

- Are the audits impartial and offer an independent perspective?

Management Review:

- Is management involved in improving the way we manage AI risks?
- Which results do you consider to evaluate the management system's performance?

ISO 42001 implementation

Starter Mode – building the foundation for compliance



ISO 42001 implementation

Starter Mode – building the foundation for compliance

What can we do now to prepare the road for Responsible AI tomorrow?

Short Term

- Identify **organisation's scope** for managing AI risks (key stakeholders and issues)
- Determine organisation's attitude towards AI usage & deployment via **AI policy**
- Determine key objectives to measure success.

Medium Term

- Develop mechanisms to identify risk
- Develop a **risk register** to enable effective oversight of AI risks.
- Acquire **the relevant talent and resources** to mitigate AI risks

Long Term

- Implement an **internal audit programme** to identify areas of improvement.
- Feedback improvements to management through a **management review.**

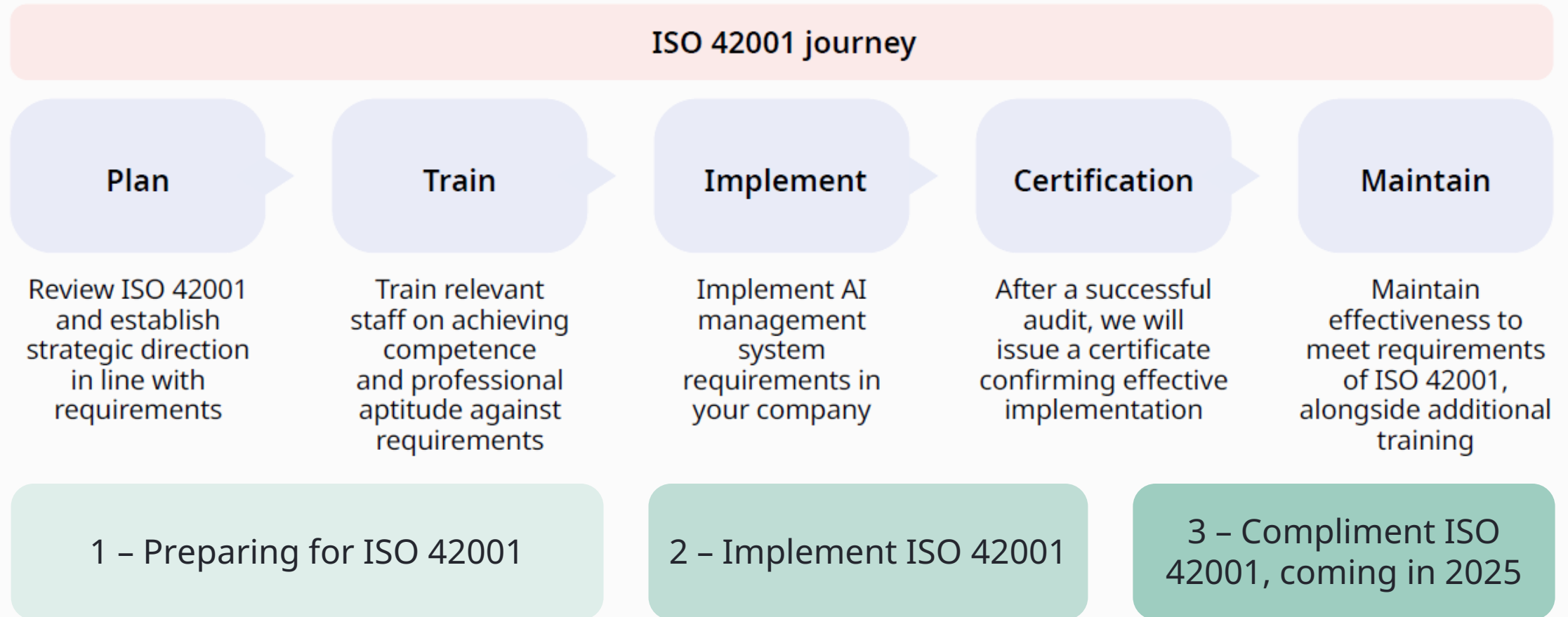
ISO 42001 implementation

Improvement Mode – to boost AIMS performance



Poll Question 2

Your ISO 42001 Guide



Links

Download our EU AI Act
whitepaper:



Watch the 'Prepare for ISO 42001'
webinar on demand:





Panel Session





Thank you

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