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AT-A-GLANCE

AI Governance in Practice Report 2024

THE AI LIFE CYCLE

PLANNING
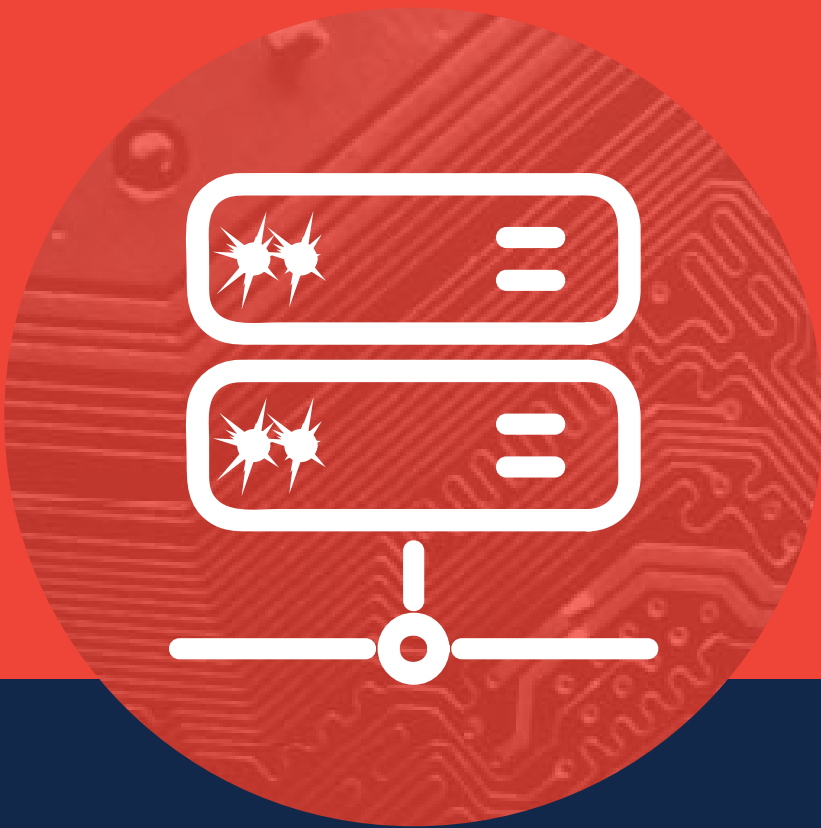
DESIGN

DEVELOPMENT

DEPLOYMENT

AI
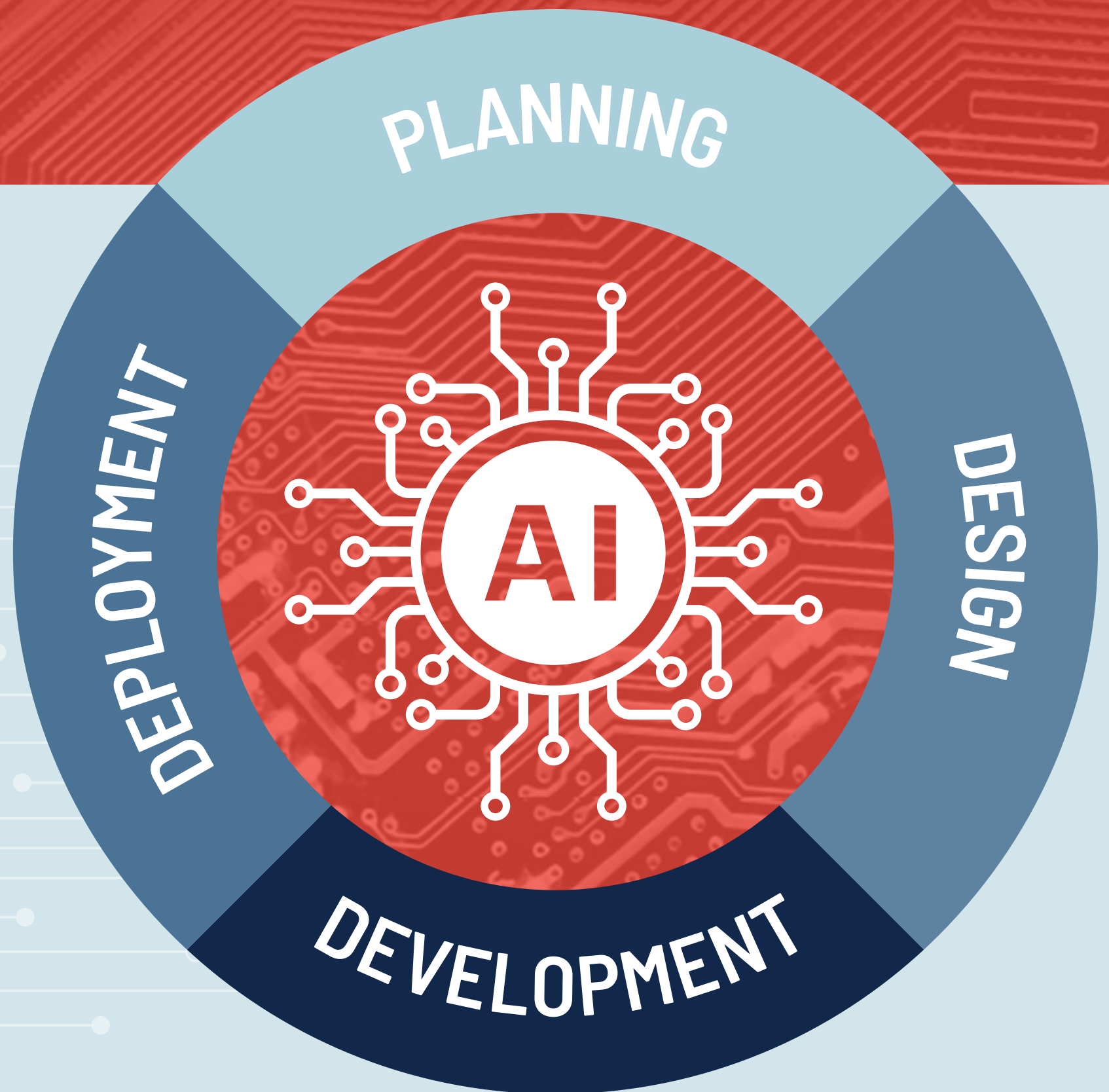
Organisations are responsible for managing risks and harms throughout the AI lifecycle by implementing effective AI governance controls.

CHALLENGE

Data

The quality of training, testing, validation and operational datasets used to develop and operate AI systems can generate risks.

PRACTICAL APPROACHES

DATA GOVERNANCE
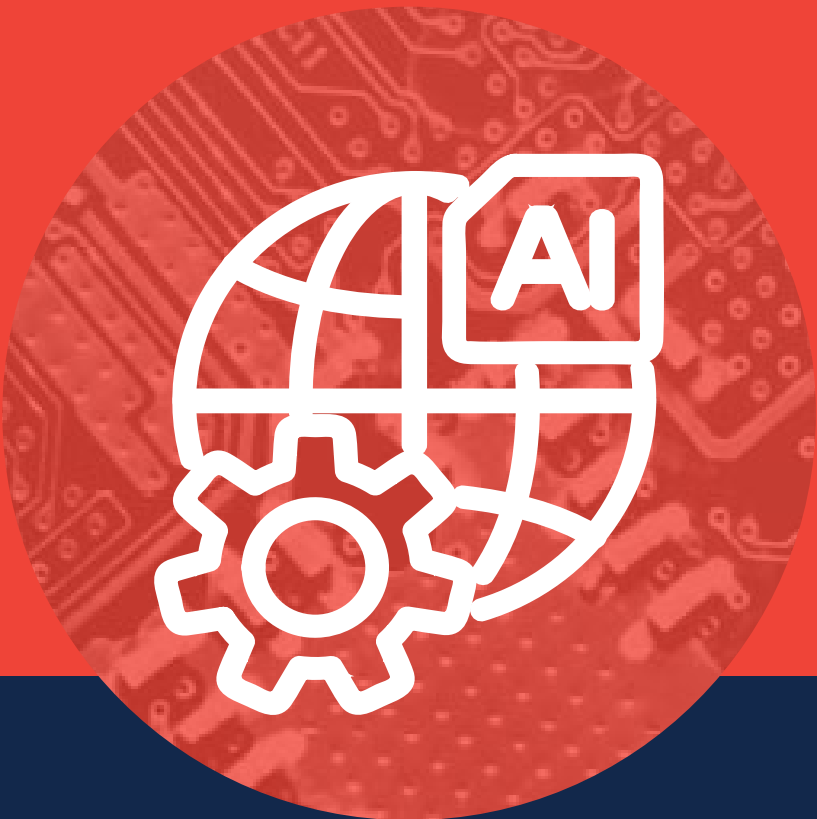
DATA LABELS

DATA MANAGEMENT PLANS

CONFORMITY ASSESSMENTS

Privacy and data protection

The inherent dependency of AI on data can conflict with fundamental privacy principles like data minimization and purpose specification.

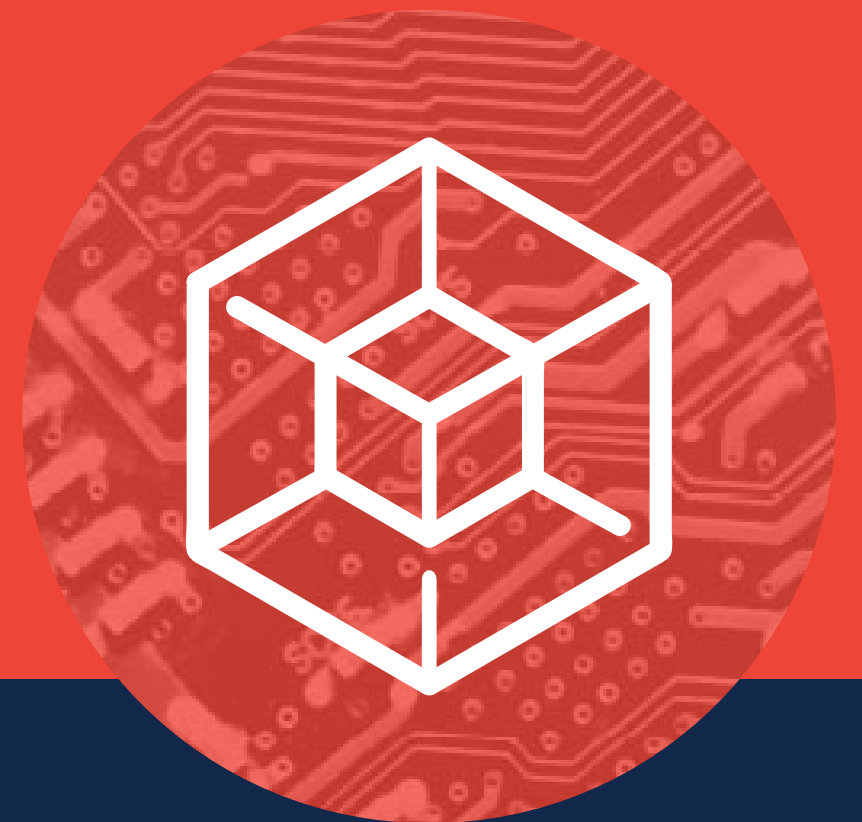## PRACTICAL APPROACHES

INVENTORIES

RISK ASSESSMENTS

PRIVACY BY DESIGN

Transparency, explainability and interpretability

Users and developers both struggle to explain or interpret the inner workings and outputs of AI systems.

PRACTICAL APPROACHES

MODEL AND SYSTEM CARDS

OPEN-SOURCE AI

WATERMARKING

Bias, discrimination and fairness

Bias can encode into AI throughout the system life cycle through the data, algorithms or humans involved in developing and deploying the system.

PRACTICAL APPROACHES

PUBLIC-FACING INTERNAL AI ETHICS POLICIES

IMPACT ASSESSMENTS

BIAS TESTING

HUMAN IN THE LOOP

Security and robustness

Compromised security of AI systems could lead to a range of harms, from incorrect outputs to physical harm.

PRACTICAL APPROACHES

SECURE DATA SHARING PRACTICES SUCH AS DIFFERENTIAL PRIVACY

RED TEAMING

POST-MARKET MONITORING

CHALLENGE

AI safety

Safety risks include alignment, security, malicious use and rogue behavior risks.

PRACTICAL APPROACHES

PROMPT ENGINEERING

REPORTS AND COMPLAINTS

SAFETY BY DESIGN

INTERNAL AI SAFETY POLICIES

TESTING AND EVALUATION

CHALLENGE

Copyright

Training data for generative AI may include copyrighted content, raising issues related to infringement and fair use.

PRACTICAL APPROACHES

OPT OUTS

LIABILITY CONSIDERATIONS

TECHNICAL GUARDRAILS SUCH AS CONTENT FILTERS, ABUSE DETECTION AND CLASSIFIERS

CROSS-CUTTING APPROACHES

RISK MANAGEMENT

TARGET OPERATING MODELS

POLICY AND PROCEDURE

COMPLIANCE ASSESSMENTS

TRAINING AND AWARENESS

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Want to learn more?

For the most common and critical challenges in developing and deploying AI, and actionable remediation strategies, visit the IAPP Resource Center to view the full AI Governance in Practice Report 2024, along with more resources.

IAPP.ORG/RESOURCES