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**Risk Odyssey:**  
Engineering Momentum,  
Building a Resilient Risk DNA

# Cyber-Driven Risk Intelligence

Staying Ahead of Modern Threats



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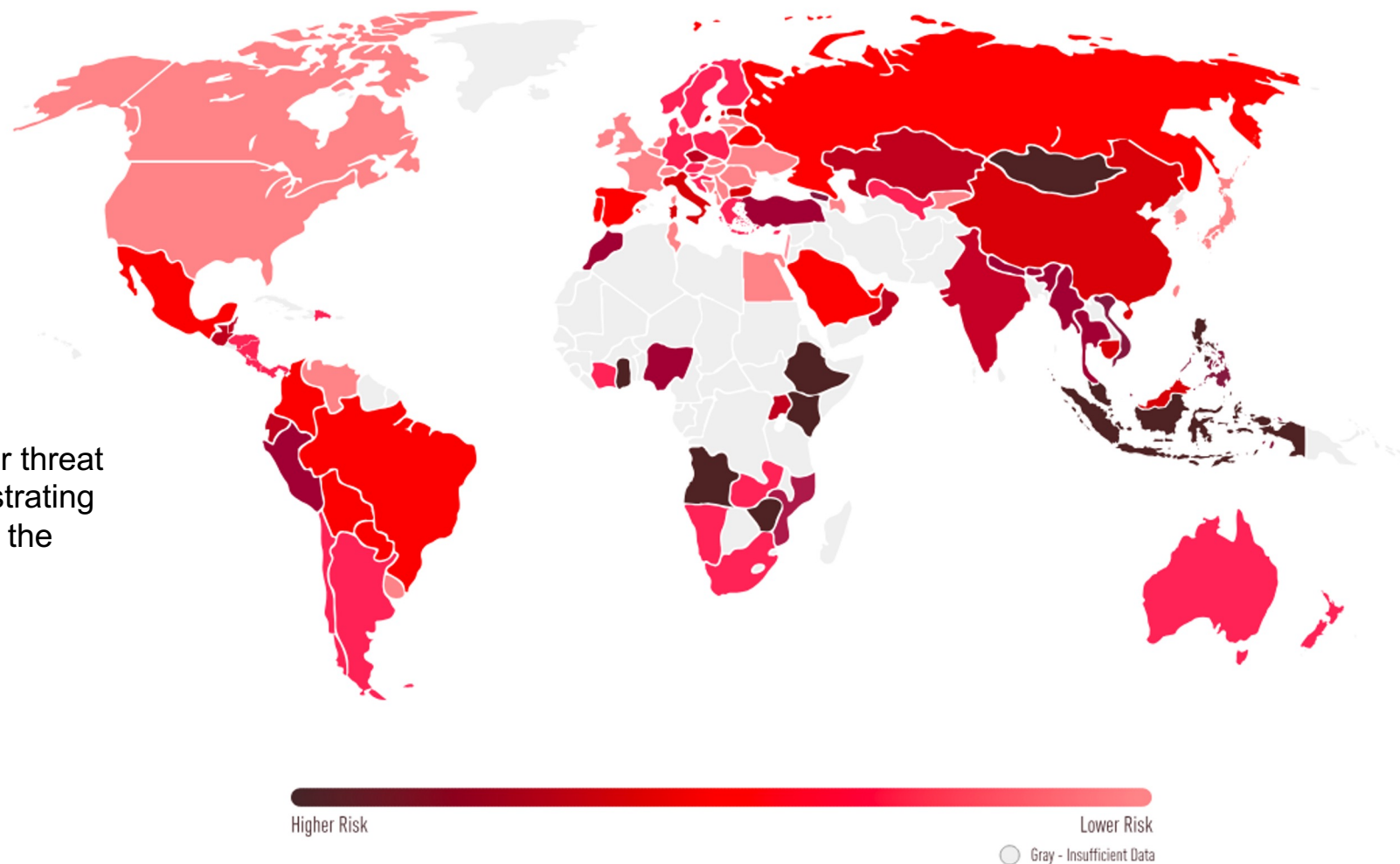
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## GLOBAL THREAT INDEX MAP

The map displays the cyber threat risk index globally, demonstrating the main risk areas around the world.



*Borrowed from publication: Checkpoint 2025 Cyber Security Report*



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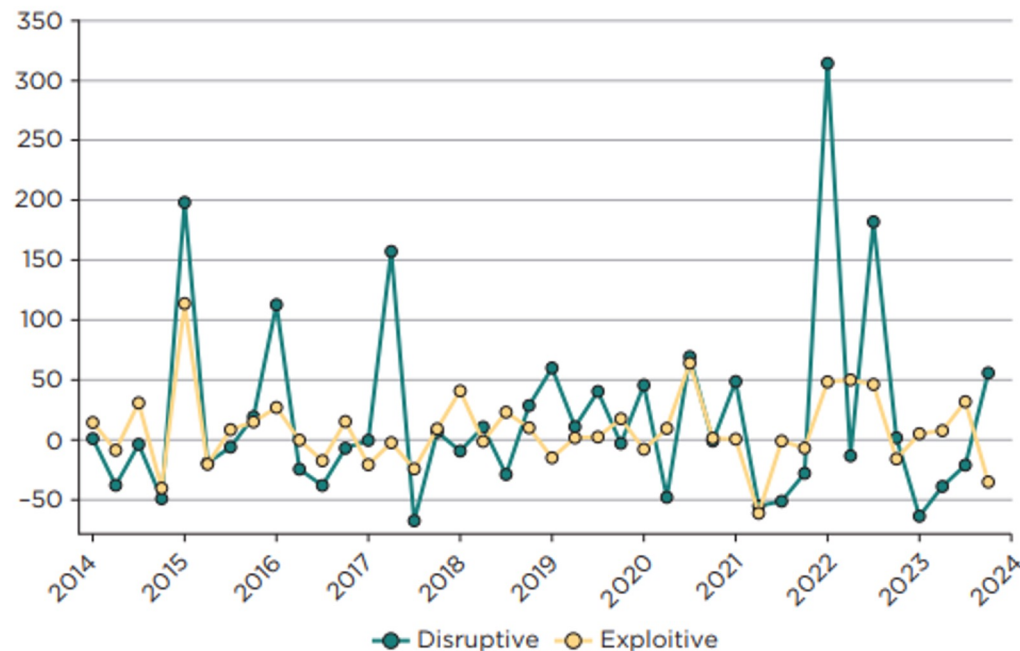
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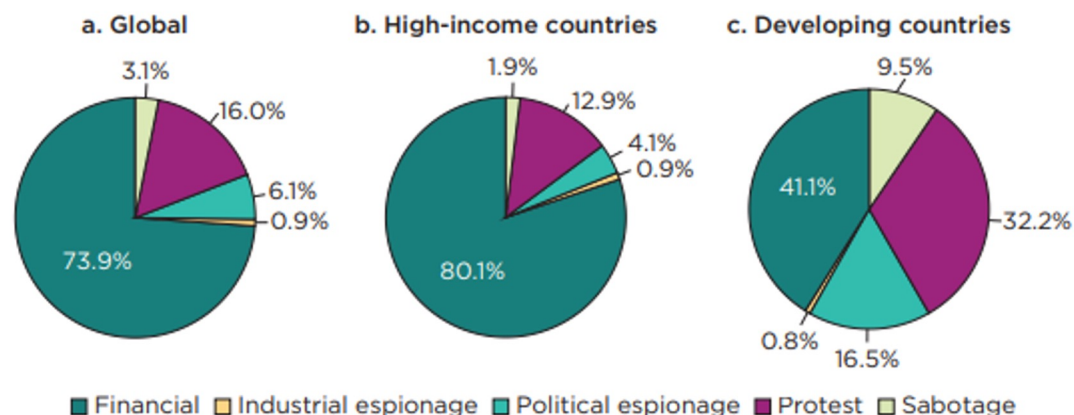


## Quarterly growth rate of disclosed cyber incidents, by motive, 2014–23

Growth rate of disclosed cyber incidents (%)



## Distribution of disclosed cyber incidents, by motive and income group, 2014–23



Borrowed from publication: *Cybersecurity Economics for Emerging Markets*, World Bank Group, 2024





## The **Evolving Risk Landscape**

- Expanding data ecosystems
- New regulations: privacy, AI governance, digital trust
- Accelerating adoption of AI & automation
- Growing cyber attack surfaces




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# Risk Intelligence



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## What “**Risk Intelligence**” Really Means

- Understanding *threats* (cyber, data, operational)
- Understanding *business impact*
- Making *proactive, informed decisions*
- Using *technology and human judgment together*




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## Traditional Risk Challenges

### Threats evolve faster than traditional assessment cycles

- Annual/quarterly risk assessments can't keep up with real-time cyber threats.

### Modern attacks are highly technical

- Traditional frameworks struggle to map CVEs, TTPs, or exploit chains to business impact.

### Massive data volume + alert noise

- Logs, sensors, and telemetry generate too much raw data for manual analysis.

### Siloed functions & fragmented information

- Cybersecurity knows the attacks, risk knows the business, governance knows the rules — but information often stays in separate domains.

### Lack of predictive capability

- Most risk methods are backward-looking, not forward-looking.



## Emerging Technology Risks

- **AI misuse & model manipulation**
- **Supply chain** compromise
- **API & platform** exposure
- **Weak data governance** & shadow IT (unauthorized use of assets)
- Increasing **operational dependency** on automation

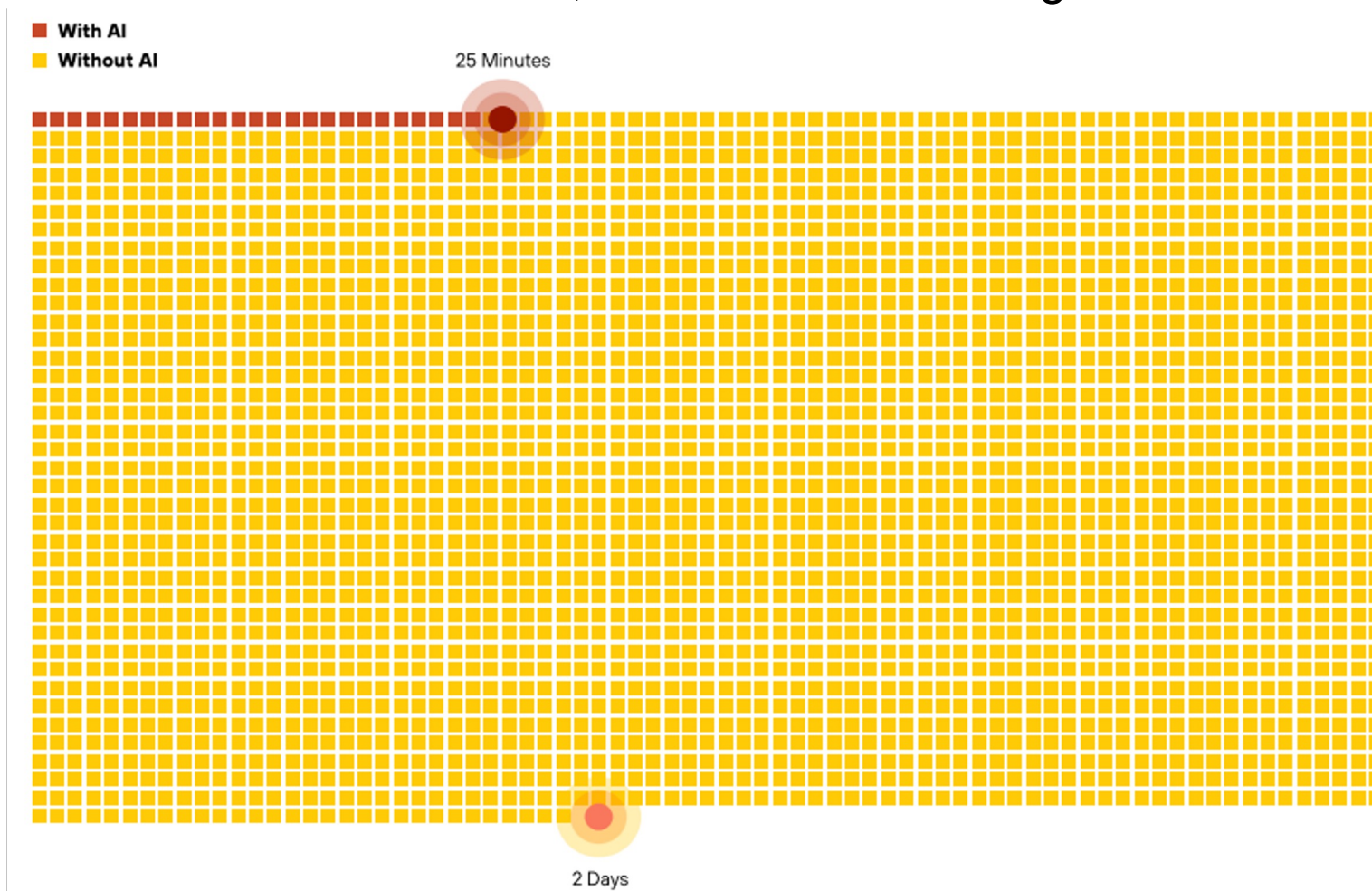
# The Intersection of Cybersecurity, AI, and Governance

- **Cybersecurity** provides threat signals, vulnerabilities, and behavior patterns
- **AI & Analytics** enhance detection, reduce noise, reveal trends
- **Data Governance** ensures trust, quality, and responsible use
- **Together**, it will enable **Intelligent Risk Decisions**

## Turning Technology Into Risk Intelligence

- Predictive analytics & anomaly detection – SIEM combined with AI and SOC
- Continuous controls monitoring – SOC and regular audits
- Automated threat correlation – AI support and human judgement
- Attack simulation (red-teaming) for resilience – Breach Attack Simulation tool
- Insights that support real-time decision making – Threat intel and collaborative dashboard for alerts

## Speed differences in a simulated attack, before and after using AI-assisted techniques



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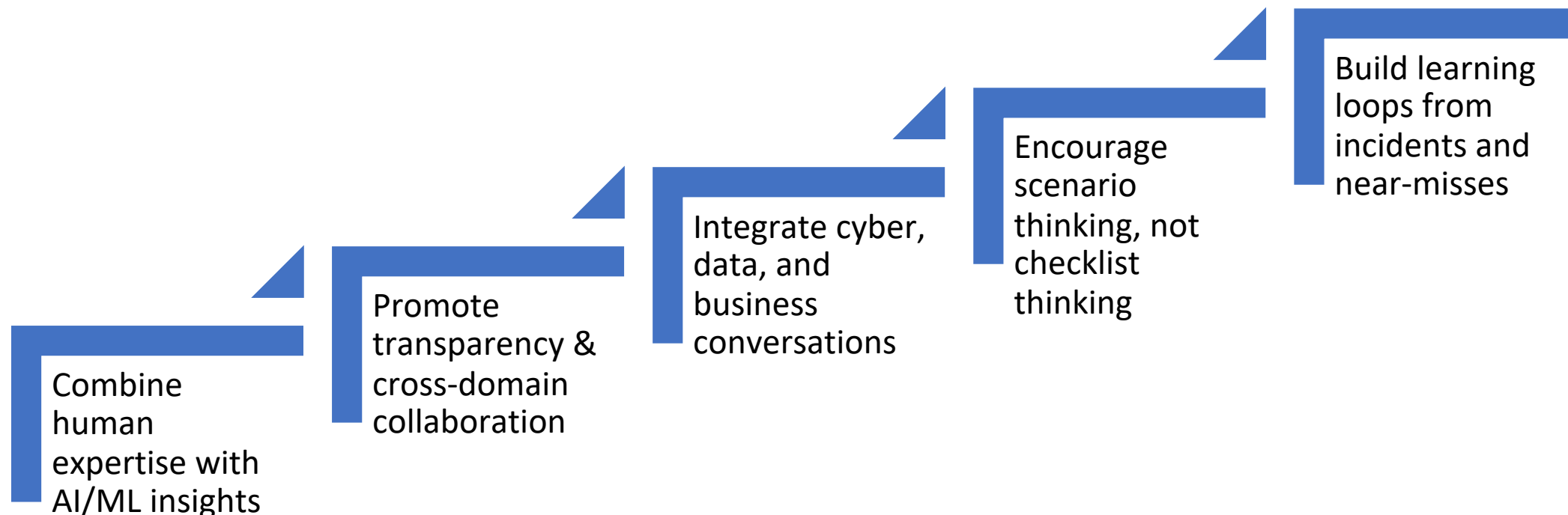
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## Building a Risk-Intelligent Culture – Strengthening Organizational DNA



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**Terima kasih - Thank you**



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