

Volume III examines the governance, risk-management, and human-capital capacities required to support responsible and sustainable artificial intelligence development.

It covers two closely connected dimensions: governance and risk, and AI talent and human capital. The volume assesses legal and regulatory capacity, institutional coordination, responsible AI, transparency and accountability, safety and systemic risk, as well as education and research capacity, advanced skills, talent mobility, workforce transformation, and labor-market adaptation.

By connecting institutional capacity, risk governance, and human capability, Volume III evaluates whether AI ecosystems possess the rules, safeguards, skills, educational systems, and adaptive capacity required to manage technological change while sustaining innovation and long-term competitiveness.

About the Four-Volume Series

This four-volume series provides a systematic examination of global AI development, competitiveness, and AI power. Moving from foundational infrastructure and technological capabilities through applications and competitiveness to governance, risk, human capital, frontier indicators, and future-oriented strategic pathways, the series establishes a comprehensive assessment framework for understanding how AI capabilities are built, deployed, measured, governed, and transformed into durable national, institutional, and strategic power in an increasingly competitive global landscape.



**VOLUME
III**

**Global Artificial Intelligence Development and
Competitiveness Assessment Framework**

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