

How Intervening on Compute Can Lead to Concrete Risk-Reducing Policies

Capacities

Visibility
<div>Using public information about compute quantities to estimate actors’ AI capabilities.</div> <div>Required reporting of training compute usage from cloud providers and AI developers.</div> <div>International AI chip registry.</div> <div>Privacy-preserving workload monitoring.</div>

Allocation
<div>Differentially advancing beneficial AI development.</div> <div>Redistributing AI development across and within countries.</div> <div>Changing the overall pace of AI progress.</div> <div>Collaborating on a joint AI megaproject.</div>

Enforcement
<div>Enforcing “compute caps” by physical limits on chip-chip networking.</div> <div>Hardware-based remote enforcement.</div> <div>Preventing risky training runs via multiparty control.</div> <div>Digital norm enforcement.</div>