

Regulating New Technology

Political Science

Making rules for something that changes faster than legislation.

Approaches and their trade-offs.

Approaches

Wait and see, then legislate

Principles-based rules that adapt

Regulatory sandboxes for controlled testing

Mandatory transparency and reporting

Sector regulators with technical capacity

The pacing problem

Legislation takes years, technology months

Rules written for one architecture age fast

Regulators lack technical staff

Global products, national rules

Educational reference. The Collingridge dilemma: early on, change is easy but effects unknown; later, effects are known but change is hard.