
AI multilateralism: How artificial intelligence can be the infrastructure for new forms of international cooperation

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Abstract

1 Twentieth-century international cooperation rested on rules-based multilateralism.
2 That system is fraying. We propose exitAI multilateralism: build shared, co-owned
3 AI infrastructure—compute, data, models, evaluation, applications—and govern it
4 together. A recent cross-border MVP shows this is feasible. We outline near-term
5 pilots in climate-aligned trade, nature valuation, and biosecurity, and a pragmatic
6 36-month path for a small coalition of middle powers and Global South partners to
7 deliver them.

8 1 Introduction

9 On September 2, 2025, a coalition of AI labs and cloud computing providers located across the globe
10 did something refreshingly practical: they pooled compute to ship a public-use AI product. You can
11 try it here. It has the same feel as ChatGPT; but a different DNA. Led by Swiss AI (with Swisscom
12 and CSCS), AI Singapore, Amazon Web Services, and Australia’s NCI, the five-week MVP shows
13 many actors can build a shared AI stack—compute, data, models, applications—to tackle challenges
14 that no single actor can address alone.

15 This achievement is important in a world where the foundations of international cooperation are in
16 flux. Twentieth-century international cooperation came to be defined by multilateralism: treaty-based
17 bodies such as the U.N., the Bretton Woods institutions, and the World Trade Organization where
18 three or more states coordinated behavior under generalized rules. While far from perfect, these
19 venues privileged negotiation, reciprocity, and the pursuit of “win-win” outcomes. In the twenty-first
20 century, that order is fraying. Great-power rivalry, veto politics, and structural inequities have
21 turned many forums from problem-solving arenas into sites of paralysis or coercion. Development
22 finance and humanitarian aid are retreating. Meanwhile the cast of actors has widened: cities, firms,
23 philanthropies, and standards bodies now shape cross-border outcomes.

24 AI itself lays bare the challenges. A handful of tech superpowers in Silicon Valley and Shenzhen are
25 racing to dominate the infrastructure and operating systems of tomorrow’s global economy, leaving
26 most other actors with a stark choice between dependency and irrelevance. Without a viable “AI third
27 way,” middle power nations in particular are increasingly exposed to risks, including geopolitical
28 coercion and vendor lock-in, foregoing opportunities for capture and redistribution of AI’s benefits,
29 and inability to proactively manage AI’s emerging environmental and social impacts.

30 Because so many actors face a similar set of risks, there is an opening for a different kind of coopera-
31 tion: building together in order to govern together. If twentieth-century multilateralism privileged
32 negotiation and norm-setting, an AI-era variant would privilege building common infrastructure for
33 shared challenges—and then subjecting that infrastructure to joint governance. In concrete terms,

34 this means a co-owned AI stack and co-develop applications. All with transparent rules of access,
35 audit, and accountability. Call it “AI multilateralism.”

36 1.1 Building as the new negotiation

37 An “Airbus for AI” is a useful, if imperfect, analogy for what is possible. In the 1970s, European
38 governments pooled capital, talent, and industrial policy to create an aircraft manufacturer capable
39 of competing with America’s giants. A coalition of middle powers could do the same in AI: pool
40 compute from national research labs and local cloud providers to produce models, data pipelines, and
41 products that rival hyperscaler ecosystems on performance while wiring the common good into their
42 governance. A club model would give participating countries voice and upside while dynamic equity
43 stakes based on active contributions (of energy, compute, and talent) and usage (of applications).

44 Proving the value of the approach will come through building applications that address global
45 challenges that no single actor can solve alone. The first could be a green energy trade trans-
46 parency platform. By integrating satellite data, grid telemetry, facility-level disclosures, and customs
47 records, a shared platform could generate auditable estimates of embedded emissions in traded
48 goods such as steel, cement, hydrogen, and critical minerals. Lower due-diligence costs, harmonized
49 carbon-accounting methodologies and subsidy rules, and better financing terms would follow for
50 producers that can prove low-carbon credentials. Because the algorithms and evaluation standards
51 are co-owned, no single actor can weaponize the data.

52 A second application is a global nature-valuation engine. Federating existing state-of-nature assets
53 like ICARUS and SEED and linking to locally-generated knowledge graphs like RESTOR. Scale up of
54 Interspecies Money could compensate farmers, fishers, and Indigenous communities for measurable
55 ecological outcomes while keeping sensitive data local. Shared standards would curb greenwashing
56 without forcing one-size-fits-all disclosure.

57 A third is biosecurity early warning. Using privacy-preserving techniques to federate national
58 biosecurity systems would allow continuous scanning of pathogen signals—from genomics and
59 wastewater to wildlife sensors and syndromics—and would support joint dashboards and response
60 playbooks for earlier, coordinated action. Pathogens cross borders; detection and response should do
61 so too.

62 Executing capabilities at this scale requires more than hardware and code; it requires an applied
63 science of collaboration. Economists shaped twentieth-century policy by offering rigorous tools for
64 allocating scarcity. Today’s problems demand equally rigorous methods for designing institutions,
65 incentives, and applications for shared action. A “CERN for Collective Intelligence” could develop,
66 test, and disseminate these methods for AI use cases, just as European particle physics leapt forward
67 when laboratories were pooled.

68 1.2 Where to begin

69 The initial MVP hints at how to start. An initial group of five to seven middle powers, supported by
70 philanthropic capital, could fund a three-year, 50–150 million runway—modest by AI-infrastructure
71 standards. A small “Airbus AI” team would negotiate pooled-compute agreements across public and
72 private providers; open-source a federated inference stack optimized for public workloads; launch
73 the three pilots above with clear service-level targets and governance charters; and seed an applied
74 research unit—a CERN-for-CI—for human-AI problem solving and institutional design.

75 Existing strengths can be bundled rather than invented from scratch. The European Union could
76 pool leading national AI labs while leading safety, evaluation, and data governance. Countries like
77 Australia and Canada can leverage abundant green power to expand public provisioning of data
78 centers, with compute carve-outs for public-interest and sustainability workloads. Japan and Korea
79 can specialize in edge compute and lead model pipelines for manufacturing and logistics. Switzerland
80 or Singapore can provide neutral administration and legal interoperability and steward public data
81 trusts and audit programs. A Global South anchor—such as Indonesia, Mexico, or Kenya—can lead
82 biodiversity and health data trusts, local deployments, and community benefit-sharing mechanisms.

83 AI multilateralism will fail under familiar pressures: if pooled compute and data are treated as
84 bargaining chips rather than shared utilities; if governance bodies are captured by a few states or
85 vendors; if procurement, IP, and liability rules choke joint builds; if the energy footprint cannot be

86 decarbonized; and if Global South partners are cast as implementers rather than co-owners. The
87 minimum conditions for success are equally plain: binding, multi-year pooled-compute and data-trust
88 agreements; open interfaces and model licenses with safety guardrails; an independent, well-resourced
89 evaluation commons with authority to halt deployments; green-power procurement at scale; and
90 entry-and-exit rules that deter both free-riding and lock-in. Absent these, the project should not
91 proceed.

92 Three years from now middle powers could still be lamenting the demise of rules-based order while
93 watching AI giants ossify geopolitical fault lines. Or they could be pursuing a new path: one that
94 transforms multilateralism from a 20th century relic to a 21st century competitive advantage.