Assessing Canadian Innovation, Productivity, and Competitiveness

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April 30, 2024



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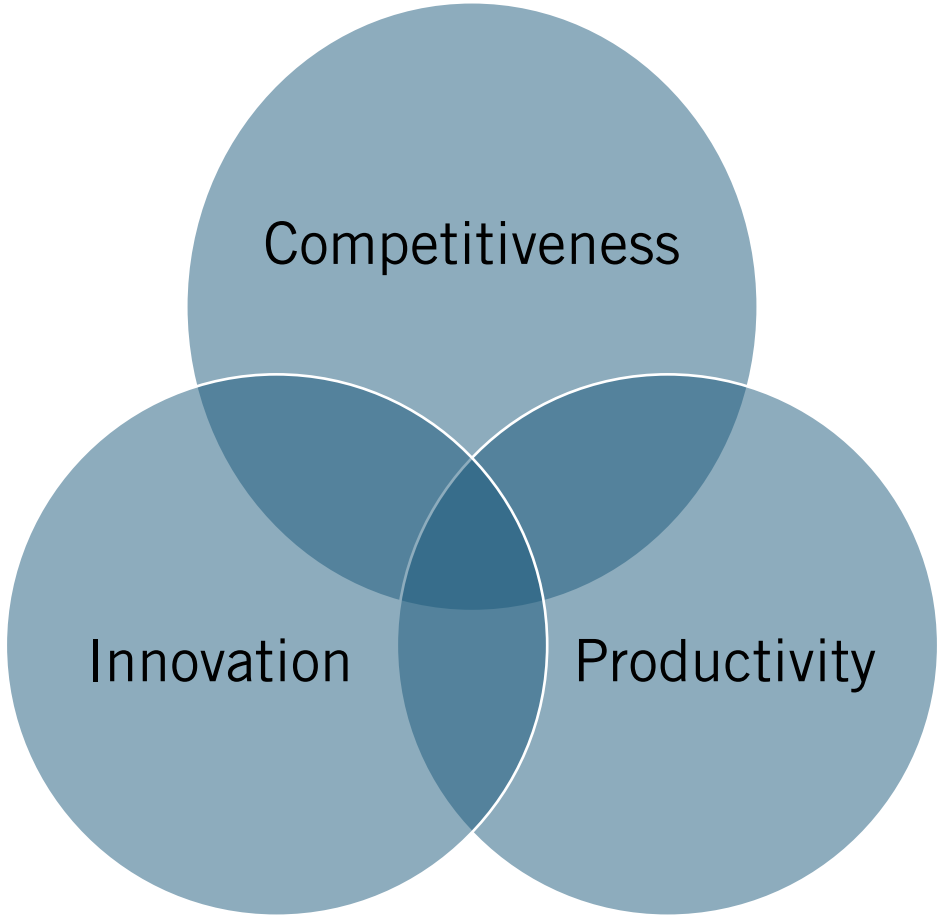
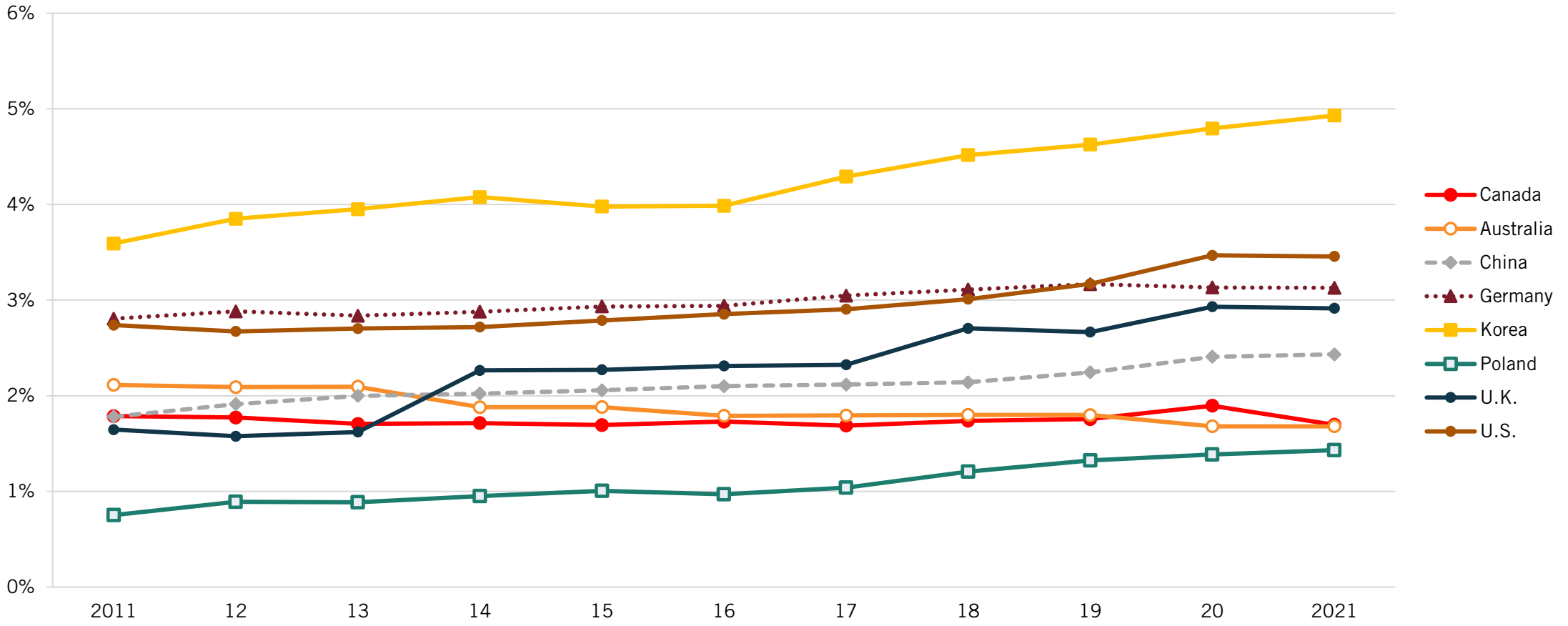
Distinguishing Innovation, Productivity, and Competitiveness



Innovation Performance

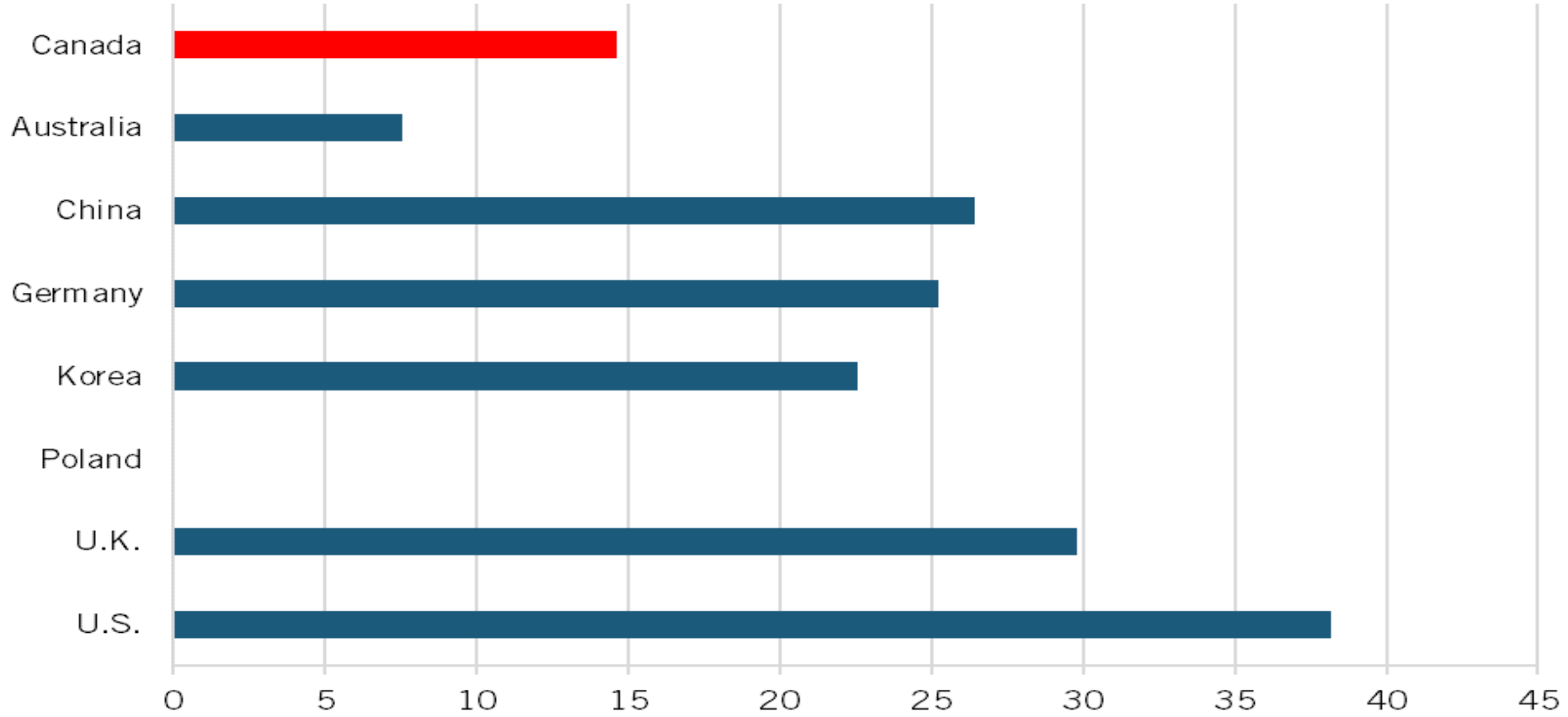
R&D as Share of GDP



CENTRE FOR CANADIAN INNOVATION AND COMPETITIVENESS

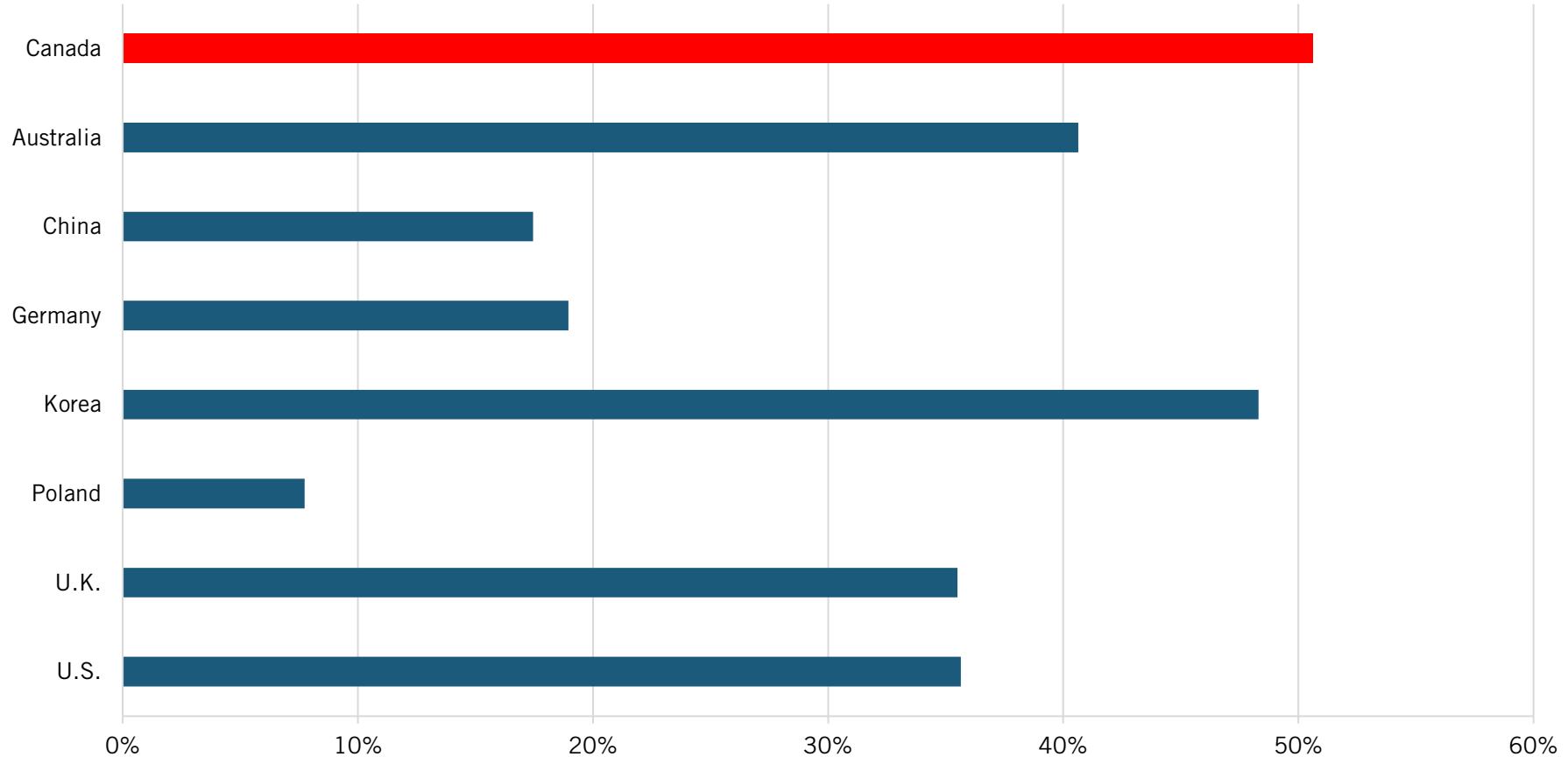
Innovation Performance

Companies in the Top 2,500 Global R&D Investors per Trillion PPP$ GDP (2022)



Innovation Performance

Share of 25-64 Population with a College Degree (2022)



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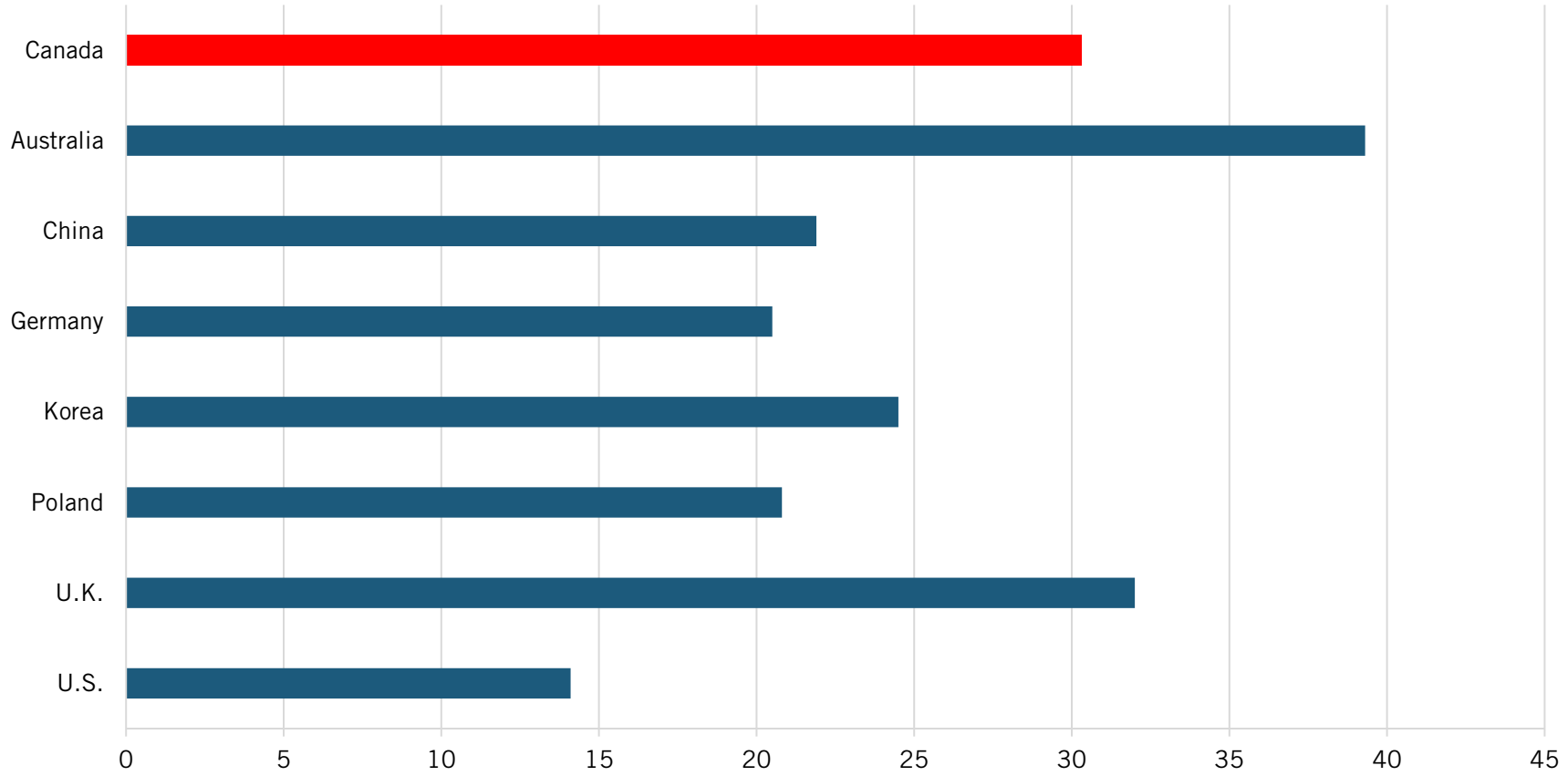
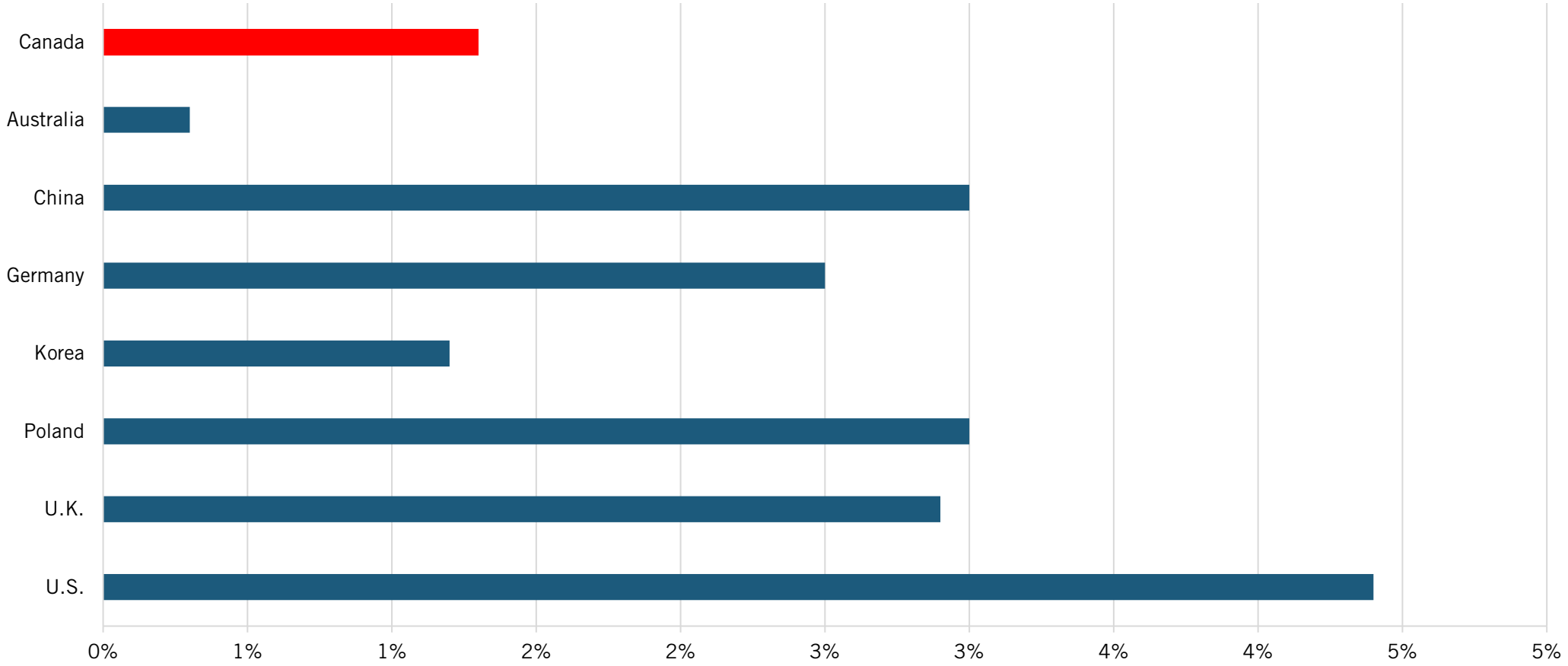
Innovation Performance

Scientific and Technical Journal Articles Per Billion PPP$ GDP (2022)



Innovation Performance

IP Exports as a Percentage of Total Exports (2021)



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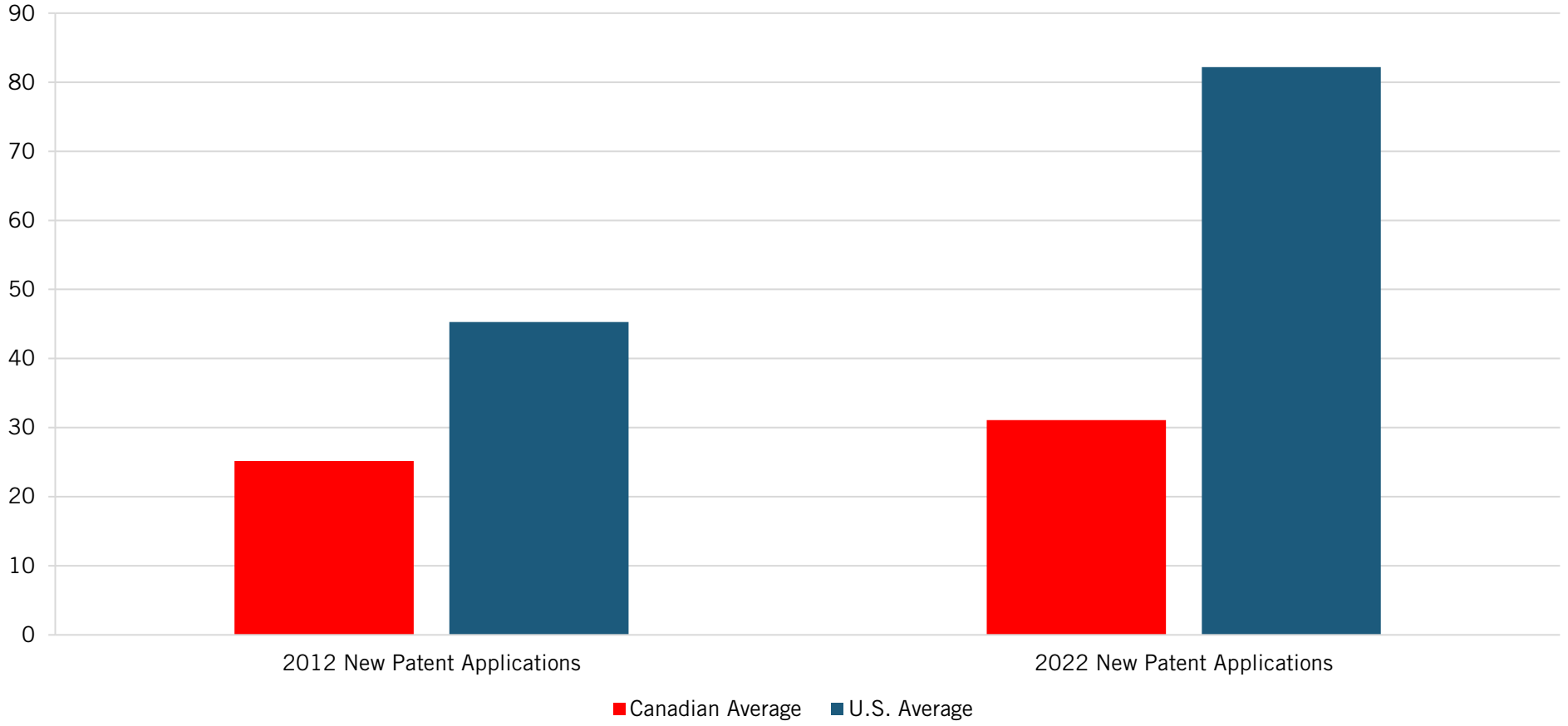
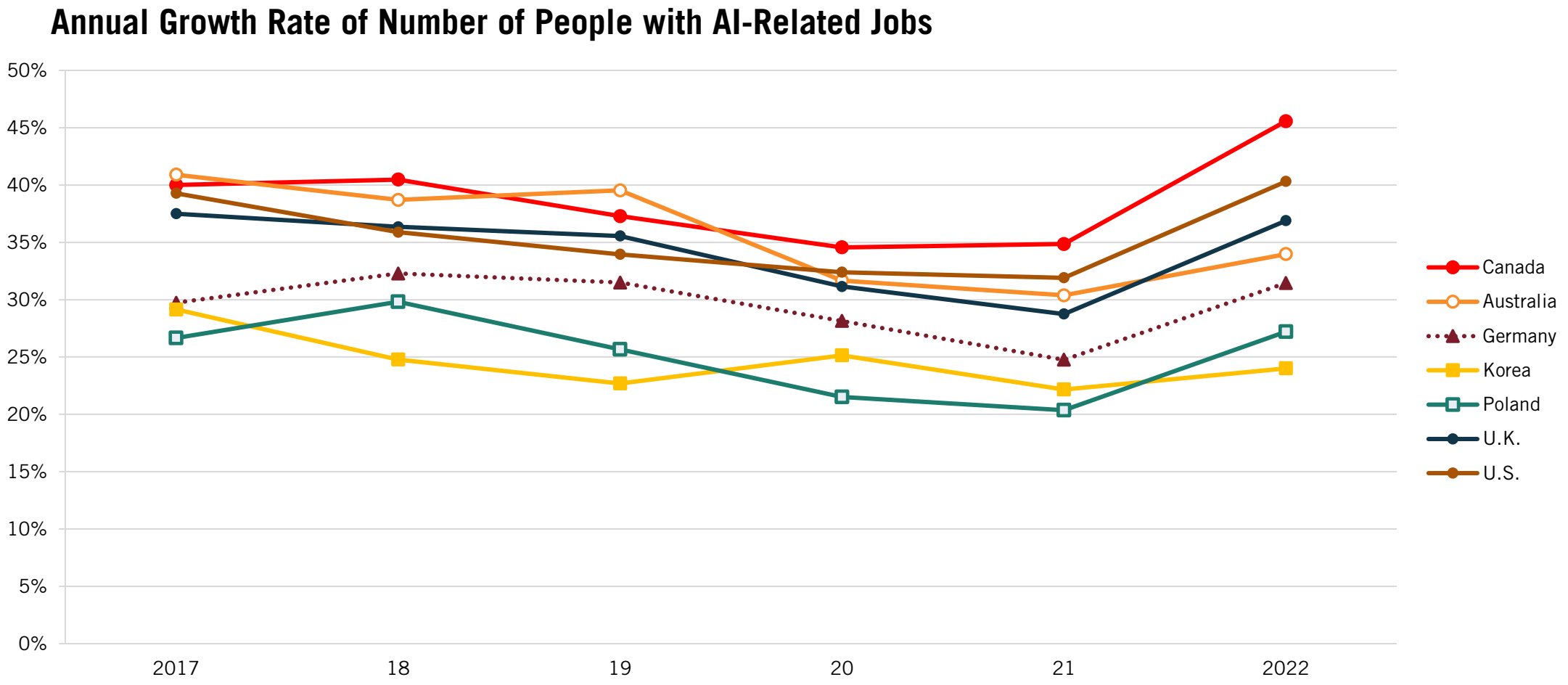
Innovation Performance

University Tech Transfer Office New Patent Applications



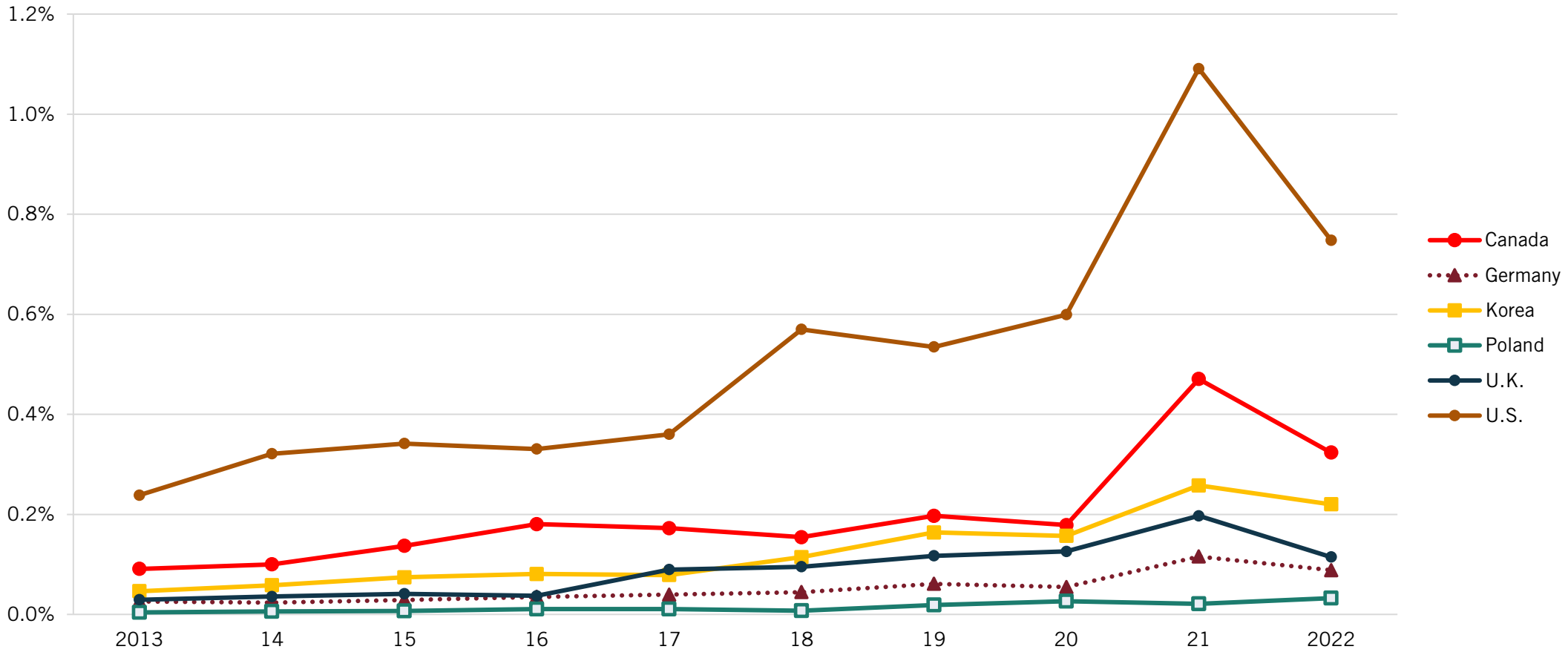
CENTRE FOR CANADIAN INNOVATION AND COMPETITIVENESS

Innovation Performance



Innovation Performance

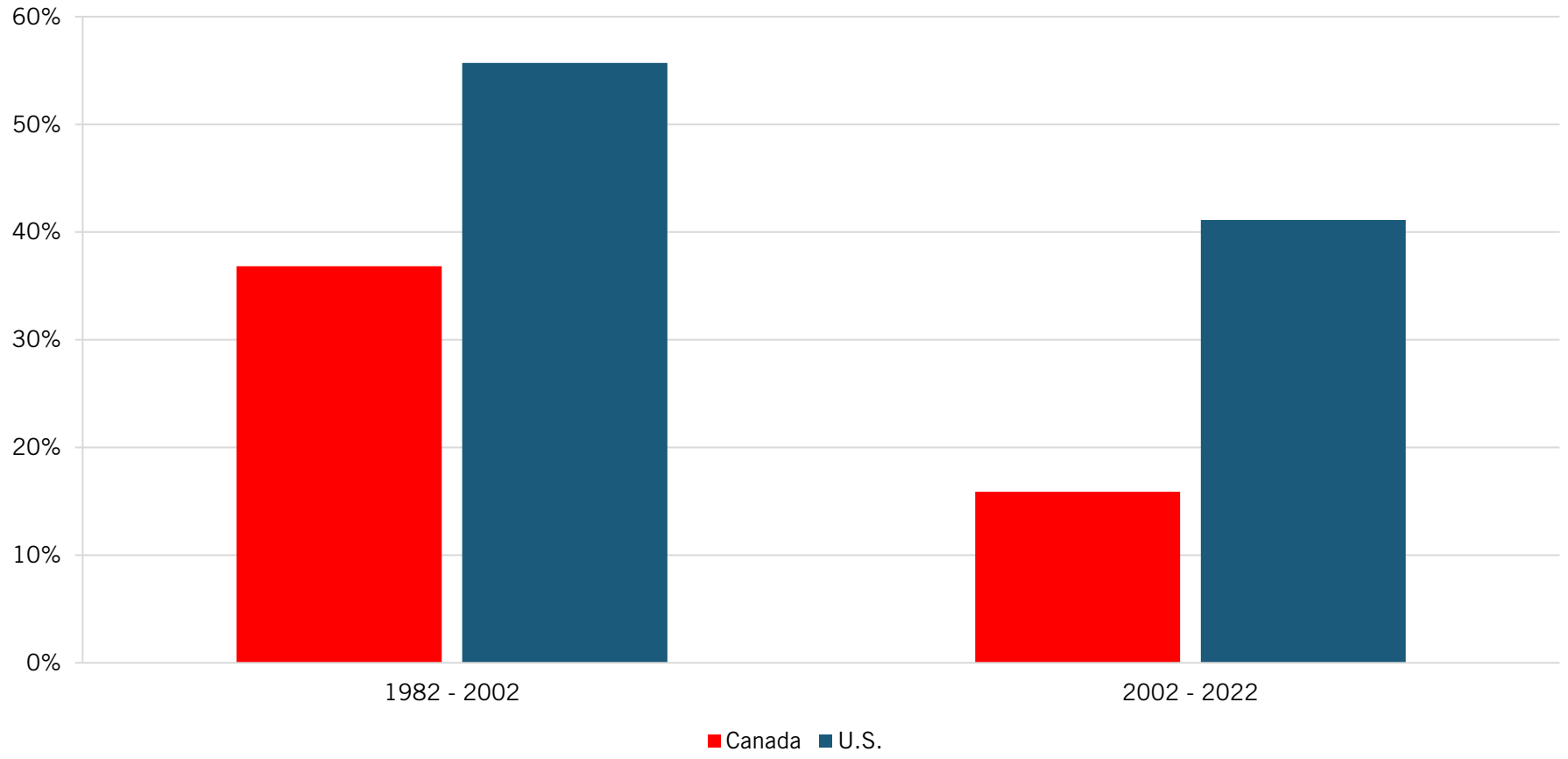
Venture Capital Investment as a Percentage of GDP



CENTRE FOR CANADIAN INNOVATION AND COMPETITIVENESS

Productivity Performance

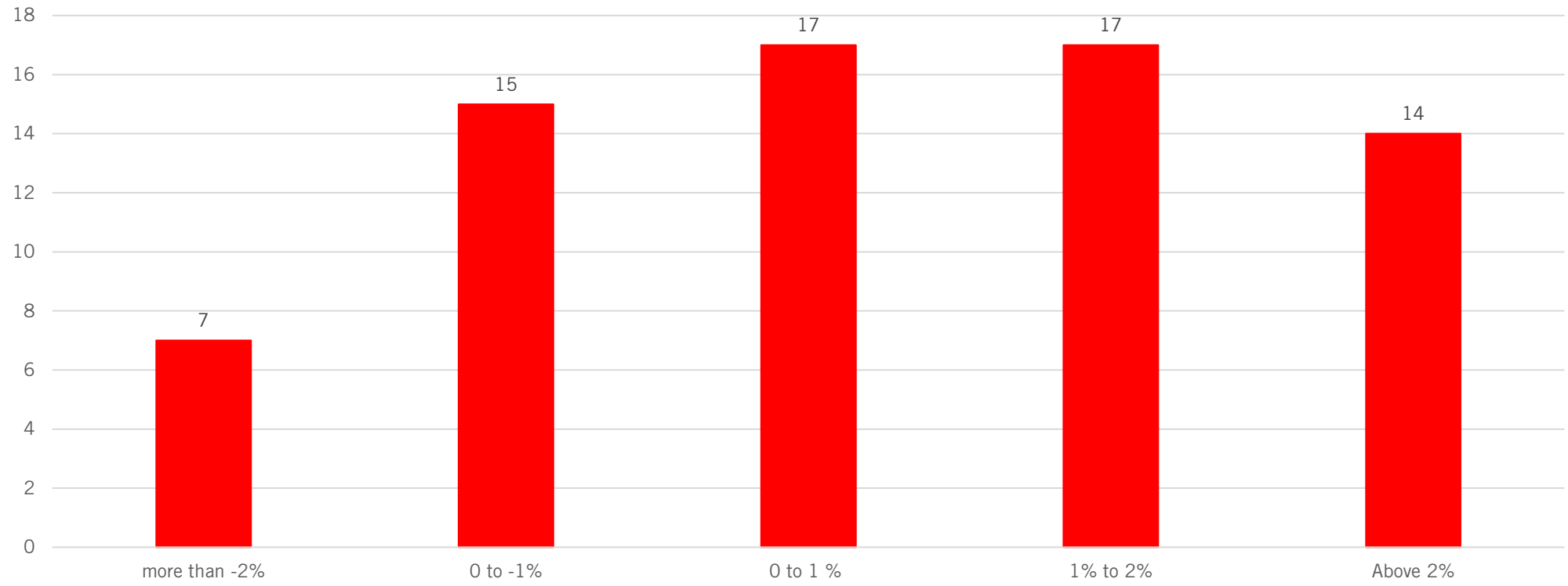
U.S. and Canadian Labour Productivity Growth Rate from 1982 to 2002 and 2002 to 2022



CENTRE FOR CANADIAN INNOVATION AND COMPETITIVENESS

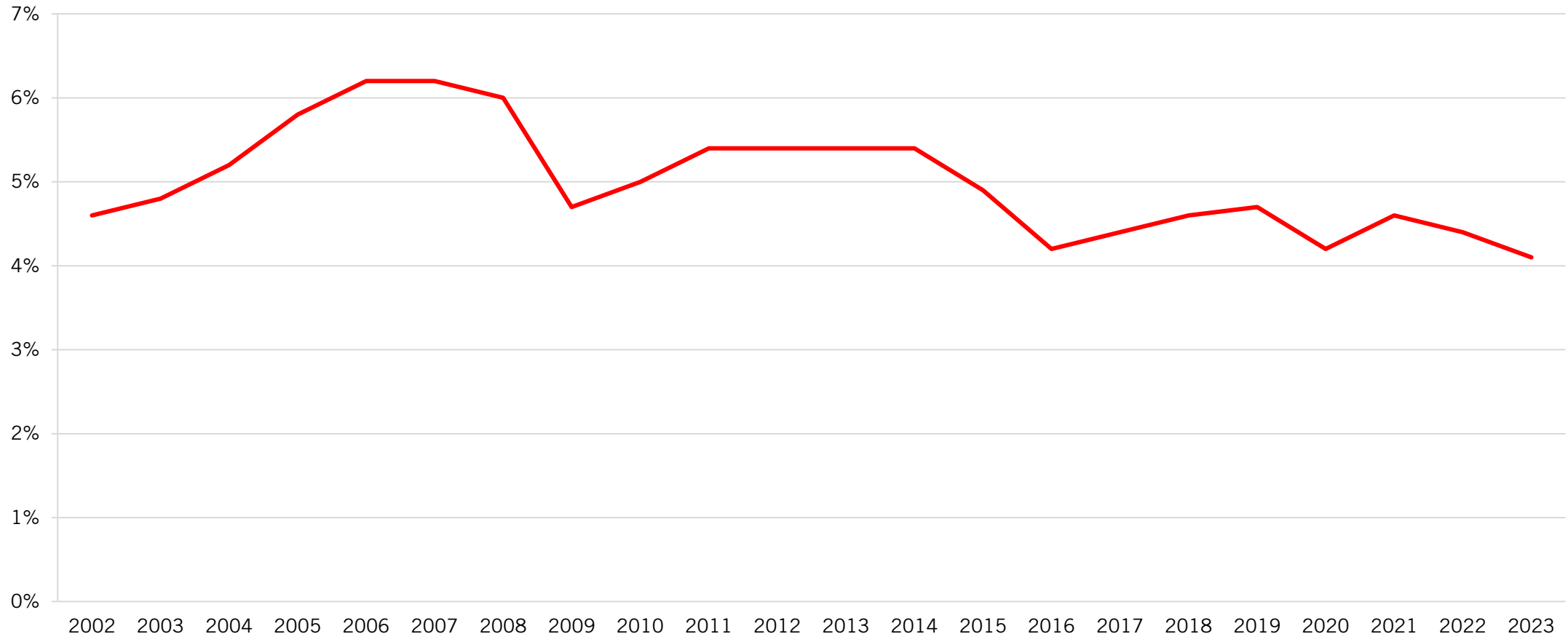
Productivity Performance

Number of Industries by Annual Percent Labour Productivity Growth Rate, 2011-2021



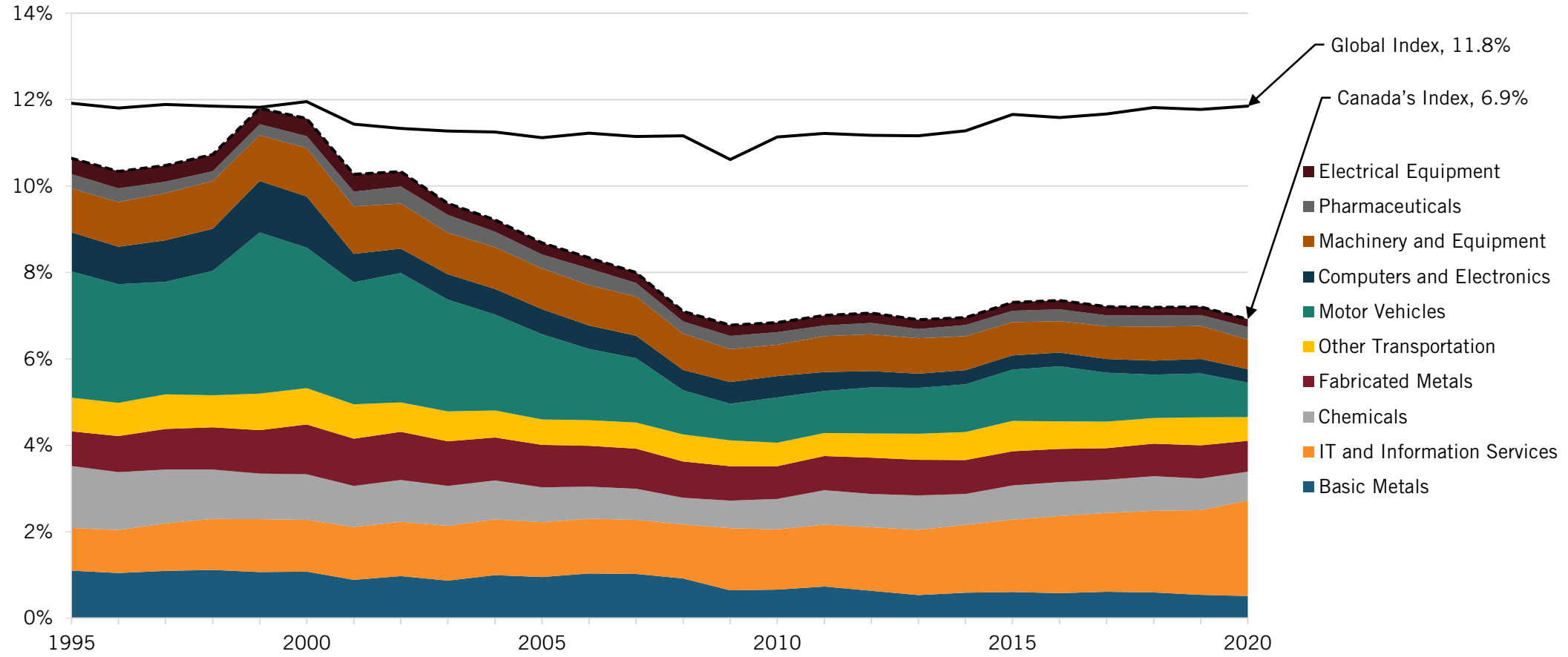
Productivity Performance

Machinery and Equipment as a Share of Final Consumption Expenditures from 2002 to 2023



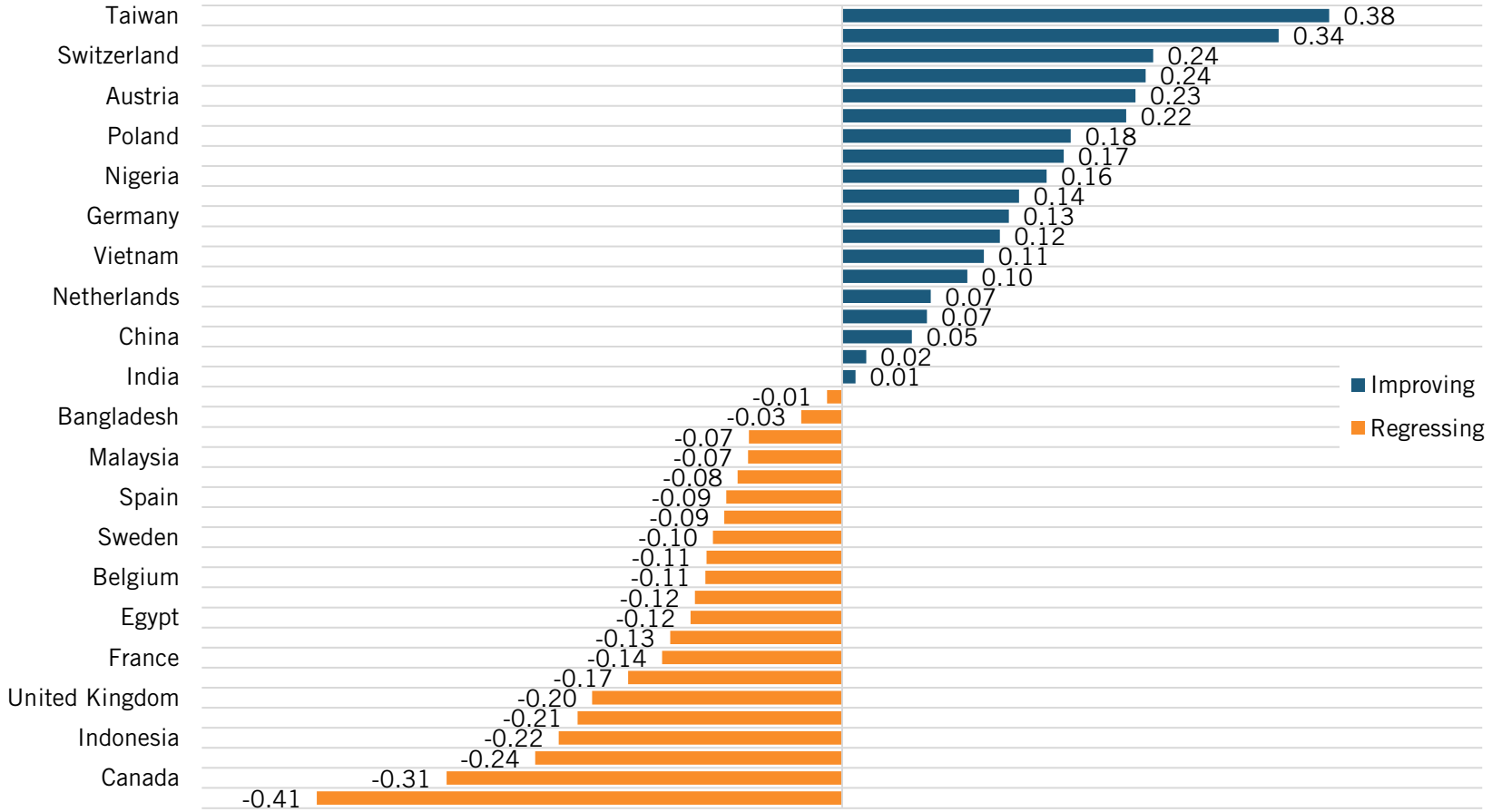
Competitiveness Performance

Hamilton Index Industries' Shae of Canada's Economy



Competitiveness Performance

Change in Relative National Performance in the Composite Hamilton Index (LQ Difference, 1995–2020)



CENTRE FOR CANADIAN INNOVATION AND COMPETITIVENESS

What to Do: Principle 1

- Reject “silver bullet” solutions.



What to Do Principle 2:

- Move beyond ingredientism.



What to Do: Principle 3

- Think sectors and technology, not markets and economy.



What to Do: Principle 4

- Look to "producerists" for advice on competitiveness, productivity, and innovation.



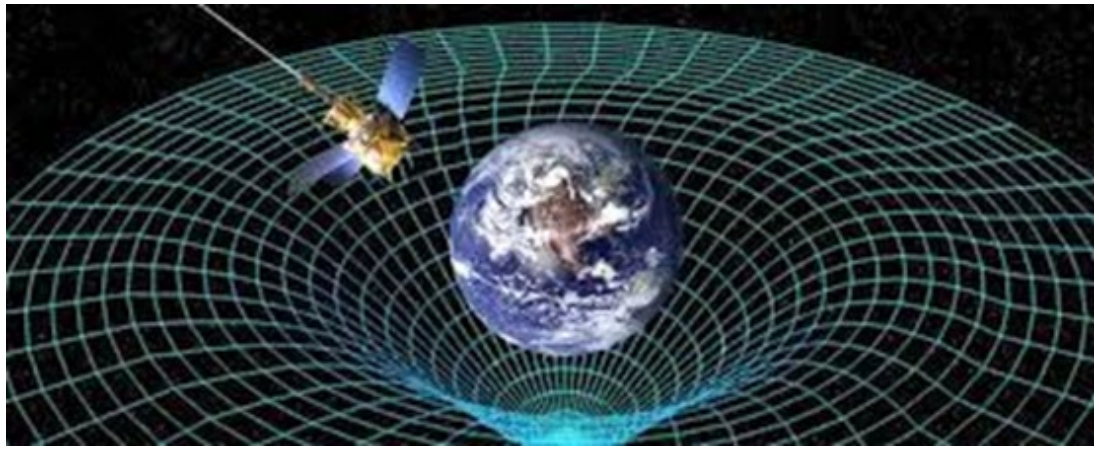
What to Do: Principle 5

- Focus less on industrial recruitment and more on supporting companies already in Canada.



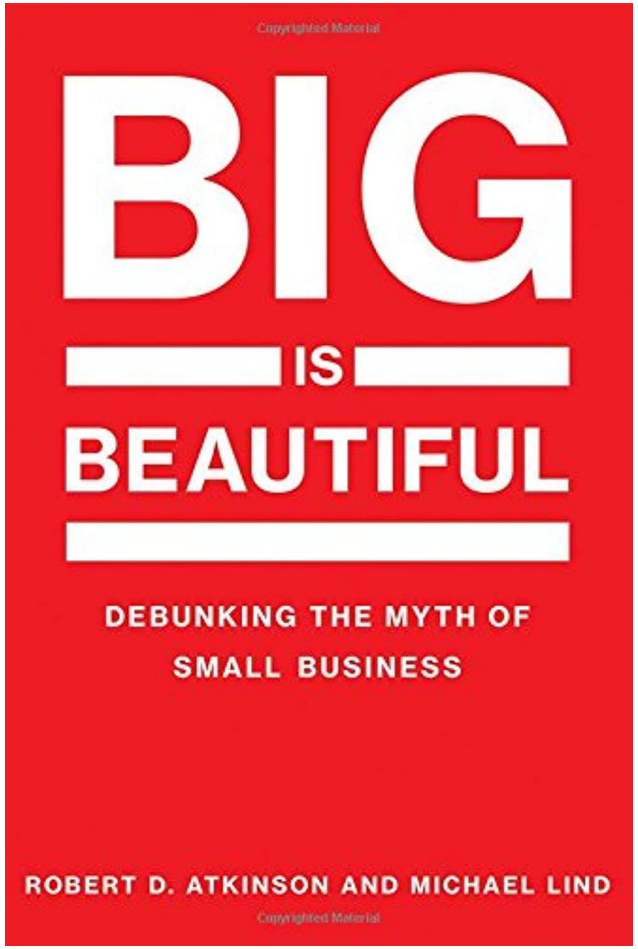
What to Do: Principle 6

- The only way to avoid the gravitational pull of the United States is to make our own.



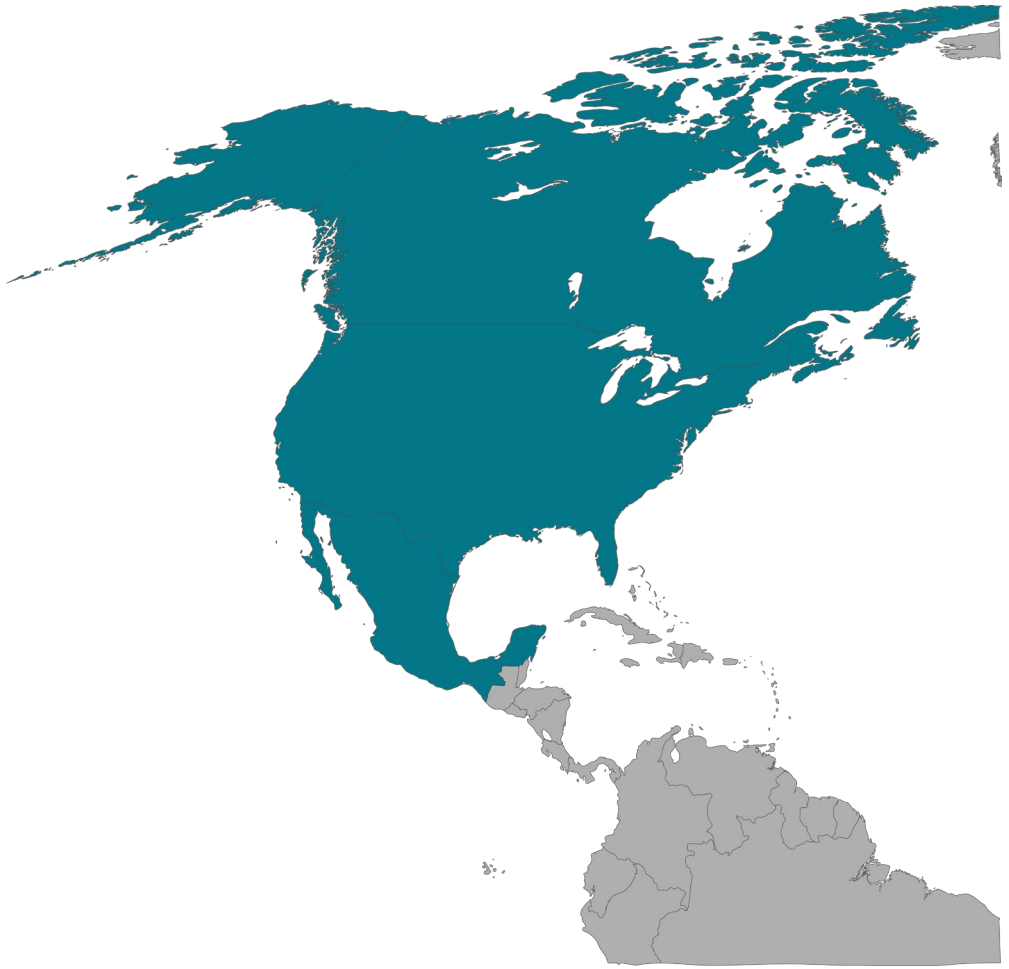
What to Do: Principle 7

- See big and middle-sized businesses as beautiful.



What to Do: Principle 8

- Embrace North American integration, not separation.



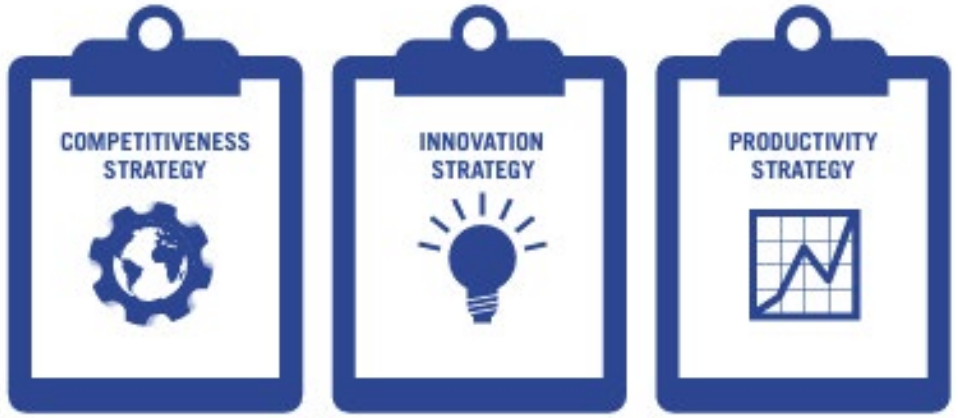
What to Do: Principle 9

- Reject the precautionary principle and embrace the innovation principle.



What to Do: Principle 10

- Make innovation, productivity, and competitiveness a top priority.



NATIONS NEED WELL-ARTICULATED AND DISTINCT COMPETITIVENESS, INNOVATION AND PRODUCTIVITY STRATEGIES

Thank You!

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