

Endnotes

- 1 Igini, M. (2025). 'Warfare Now Largest Source of Ukraine's Annual Carbon Emissions, Report Warns on Third Anniversary of Russia's Invasion.' *Earth.org*. [online] 24 Feb. Available at: <https://earth.org/warfare-now-largest-source-of-ukraines-annual-carbon-emissions-report-warns-on-third-anniversary-of-russias-invasion> [Accessed 6 Mar. 2025].

de Klerk, L., Shlapak, M., Gassan-zade, O. and Korthuis, A. (2024). 'Climate Damage Caused by Russia's War in Ukraine by Initiative on GHG accounting of war.' [online] 13 Jun. Available at: <https://en.ecoaction.org.ua/wp-content/uploads/2024/06/Climate-Damage-Caused-by-War-24-months-EN.pdf> [Accessed 12 Mar. 2025].
- 2 Abdurasulov, A. and Plummer, R. (2025). 'What minerals does Ukraine have and what are they used for?' *BBC*. [online] 6 Mar. Available at: <https://www.bbc.com/news/articles/c20le8jn282o> [Accessed 6 Mar. 2025].
- 3 Abdurasulov, A. and Plummer, R. (2025). 'What minerals does Ukraine have and what are they used for?' *BBC*. [online] 6 Mar. Available at: <https://www.bbc.com/news/articles/c20le8jn282o> [Accessed 6 Mar. 2025].
- 4 Zengerle, P. (2025). 'Trump to the people of Greenland: 'We will make you rich''.' *Reuters*. [online] 6 Mar. Available at: <https://www.reuters.com/world/trump-people-greenland-we-will-make-you-rich-2025-03-05> [Accessed 6 Mar. 2025].
- 5 Starcevic, S. (2025). 'US will take Greenland 'one way or the other,' Trump says.' *POLITICO*. [online] 5 Mar. Available at: <https://www.politico.eu/article/us-will-take-greenland-one-way-or-the-other-donald-trump-says> [Accessed 6 Mar. 2025].
- 6 Radio New Zealand (RNZ) (2025). 'Cook Islands strikes deal with China on seabed minerals.' *RNZ*. [online] 22 Feb. Available at: <https://www.rnz.co.nz/international/pacific-news/542678/cook-islands-strikes-deal-with-china-on-seabed-minerals> [Accessed 6 Mar. 2025].

Similar deals have been progressed across Africa. 'From the Democratic Republic of Congo (DRC) to Botswana and Zimbabwe, Chinese companies have spent more than US\$10 billion acquiring mining and critical mineral assets in Africa.'

Nyabiage, J. (2025). 'China still leads the pack in Africa's critical minerals race as US struggles to keep up.' [online] *South China Morning Post*. Available at: <https://www.scmp.com/news/china/diplomacy/article/3301506/china-still-leads-pack-africas-critical-minerals-race-us-struggles-keep> [Accessed 14 Mar. 2025].
- 7 Starcevic, S. (2025). 'US will take Greenland 'one way or the other,' Trump says.' *POLITICO*. [online] 5 Mar. Available at: <https://www.politico.eu/article/us-will-take-greenland-one-way-or-the-other-donald-trump-says> [Accessed 6 Mar. 2025].

Benchetrit, J. (2025). 'The global race for critical minerals is on. Here's why they're the lifeblood of the new tech era.' *CBC*. [online] 6 Mar. Available at: <https://www.cbc.ca/news/business/critical-minerals-explainer-1.7473183> [Accessed 13 Mar. 2025].
- 8 Gelles, D. (2025). 'How Trump's Trade War Could Affect Climate Change.' *The New York Times*. [online] 4 Feb. Available at: <https://www.nytimes.com/2025/02/04/climate/trump-trade-climate-change.html> [Accessed 6 Mar. 2025].
- 9 Simpson, T. (2010). 'Customs and tariffs.' In: *Te Ara - the Encyclopedia of New Zealand*. [online] Available at: <https://teara.govt.nz/en/customs-and-tariffs> [Accessed 6 Mar. 2025].
- 10 Ministry of Foreign Affairs & Trade (MFAT) (n.d.). *New Zealand-United Kingdom Free Trade Agreement Overview*. [online] Available at: <https://www.mfat.govt.nz/en/trade/free-trade-agreements/free-trade-agreements-in-force/new-zealand-united-kingdom-free-trade-agreement/new-zealand-united-kingdom-free-trade-agreement-overview> [Accessed 6 Mar. 2025].
- 11 Ministry of Foreign Affairs & Trade (MFAT) (n.d.). *New Zealand-European Union Free Trade Agreement*. [online] Available at: <https://www.mfat.govt.nz/en/trade/free-trade-agreements/free-trade-agreements-in-force/new-zealand-european-union-free-trade-agreement> [Accessed 6 Mar. 2025].
- 12 Ministry of Foreign Affairs and Trade (MFAT) (n.d.). *New Zealand - China Free Trade Agreement Overview*. [online] Available at: <https://www.mfat.govt.nz/en/trade/free-trade-agreements/free-trade-agreements-in-force/nz-china-free-trade-agreement/overview> [Accessed 6 Mar. 2025].
- 13 International Trade Administration (2023). *New Zealand - Trade Agreements*. [online] Available at: <https://www.trade.gov/country-commercial-guides/new-zealand-trade-agreements> [Accessed 6 Mar. 2025].
- 14 Department of the Prime Minister and Cabinet (DPMC) (2017). *PM launches ambitious trade agenda*. [online] Govt.nz. Available at: <https://www.beehive.govt.nz/release/pm-launches-ambitious-trade-agenda> [Accessed 6 Mar. 2025].
- 15 New Zealand Ministry of Foreign Affairs and Trade (MFAT) (2024). *NZ exports to the US: strong growth continues - June 2024*. [online] Available at: <https://www.mfat.govt.nz/en/trade/mfat-market-reports/nz-exports-to-the-us-strong-growth-continues-june-2024> [Accessed 6 Mar. 2025].
- 16 Ministry of Foreign Affairs & Trade (MFAT) (n.d.). *IPEF overview*. [online] Available at: <https://www.mfat.govt.nz/en/trade/free-trade-agreements/free-trade-agreements-in-force/indo-pacific-economic-framework-for-prosperity/ipef-overview> [Accessed 5 Mar. 2025].
- 17 MinterEllisonRuddWatts (2025). *US reciprocal tariff plan and its potential impact on New Zealand exports*. [online] Available at: <https://www.minterellison.co.nz/insights/us-reciprocal-tariff-plan-and-its-potential-impact> [Accessed 6 Mar. 2025].
- 18 Arguably other countries could also be included here, however for brevity, we have focused on these four: China, India, Russia and the United States of America.

Worldometer (n.d.). *Countries in the world by population (2025)*. [online] Available at: <https://www.worldometers.info/world-population/population-by-country> [Accessed 10 Mar. 2025].

Silver, C. (2025). *The Top 25 Economies in the World*. [online] Investopedia. Available at: <https://www.investopedia.com/insights/worlds-top-economies> [Accessed 10 Mar. 2025].

US News (n.d.). *These Countries Have the Strongest Militaries*. [online] Available at: <https://www.usnews.com/news/best-countries/rankings/strong-military> [Accessed 10 Mar. 2025].

India is included in the big four as it is home to the largest population on the planet, and in 2029, it will be significantly larger than China. The median age of citizens of India in 2024 was 28 years of age, compared to China, which was 40 years. Projections in 2029 are as follows: India is 1.5 billion, China is 1.4 billion, United States of America 0.354 billion and Russia is 0.142 billion.

How do UN Population projections compare to the previous revision? (n.d.). *Our World in Data*. [online] Available at: <https://ourworldindata.org/grapher/un-population-2024-vs-2022?time=2024..2029&country=RUS-CHN-IND-USA> [Accessed 12 Mar. 2025]. Available for use through a CC BY.
- 19 Saaliq, S. (2024). 'Relying on coalition partners, Modi is sworn in for a rare third term as India's prime minister'. *AP News*. [online] 10 Jun. Available at: <https://apnews.com/article/india-election-modi-swearing-lok-sabha-0506b077b41cc39eb5a76b7e49b7076e> [Accessed 10 Mar. 2025].
- 20 BBC (2018). 'China's Xi allowed to remain "president for life" as term limits removed'. [online] 11 Mar. Available at: <https://www.bbc.com/news/world-asia-china-43361276> [Accessed 10 Mar. 2025].

- 21 Klinkner, P. (2025). 'How Trump could try to stay in power after his second term ends'. *The Conversation*. [online] 17 Jan. Available at: <https://theconversation.com/how-trump-could-try-to-stay-in-power-after-his-second-term-ends-246722> [Accessed 10 Mar. 2025].
- 22 Edwards, C. (2024). 'Putin extends one man-rule in Russia after stage-managed election devoid of credible opposition'. *CNN*. [online] 18 Mar. Available at: <https://edition.cnn.com/2024/03/17/europe/putin-wins-russia-presidential-election-intl/index.html> [Accessed 10 Mar. 2025].
- Roth, A. (2021). 'Vladimir Putin passes law that may keep him in office until 2036'. [online] *The Guardian*. Available at: <https://www.theguardian.com/world/2021/apr/05/vladimir-putin-passes-law-that-may-keep-him-in-office-until-2036> [Accessed 10 Mar. 2025].
- 23 Singh Khadka, N. (2025). 'How Trump's "drill, baby, drill" pledge is affecting other countries'. *BBC*. [online] 17 Feb. Available at: <https://www.bbc.com/news/articles/ce85709xdk4o> [Accessed 10 Mar. 2025].
- 24 Climate Action Tracker (2025). *Countries*. [online] Available at: <https://climateactiontracker.org/countries> [Accessed 10 Mar. 2025]
- 25 Climate Action Tracker (2022). *Russian Federation*. [online] Available at: <https://climateactiontracker.org/countries/russian-federation> [Accessed 10 Mar. 2025].
- 26 Climate Action Tracker (2024). *China*. [online] Available at: <https://climateactiontracker.org/countries/china> [Accessed 10 Mar. 2025].
- 27 Climate Action Tracker (2024). *India*. [online] Available at: <https://climateactiontracker.org/countries/india> [Accessed 10 Mar. 2025].
- 28 Climate Action Tracker (2024). *USA*. [online] Available at: <https://climateactiontracker.org/countries/usa> [Accessed 10 Mar. 2025].
- 29 'The threat of a Russian invasion of Moldova through Ukraine is currently extremely low, but the current conditions may change in the future, allowing Russia to invade and occupy more of Moldova than what it currently does in Transnistria.'
- Harward, C. (Oct 2024). 'Russia Poses Long-Term Threats to Moldova's European Integration Beyond the October Elections'. [online] Institute for the Study of War. Available at: <https://www.understandingwar.org/backgrounder/russia-poses-long-term-threats-moldova%E2%80%99s-european-integration-beyond-october-elections> [Accessed 10 Mar. 2025].
- 'The French president warned that if Putin was not stopped in Ukraine, "he would no doubt turn his attention to Moldova and perhaps beyond to Romania.'
- Le Monde and AFP (2025). 'Macron calls for "calm" after Trump-Zelensky clash'. [online] 1 Mar. Available at: https://www.lemonde.fr/en/international/article/2025/03/01/macron-calls-for-calm-after-trump-zelensky-clash_6738715_4.html?mc_cid=72771843d2&mc_eid=cd1f92f96c# [Accessed 10 Mar. 2025].
- And Ernst, I. (2025). 'French president says Russia ready to invade Moldova and perhaps Romania if not stopped'. *Romania Insider*. [online] 3 Mar. Available at: <https://www.romania-insider.com/macron-russia-moldova-romania-march-2025> [Accessed 10 Mar. 2025].
- 'Russian officials have regularly floated the possibility that Russia could strike NATO members in response to the aid and weapons they have provided Ukraine with in the ongoing war. Poland's military has said throughout the war that Russian cruise missiles fired at western Ukraine have entered its airspace.'
- van Brugen, I. (2024). 'Poland issues grim prediction for Russia if it attacks'. *Newsweek*. [online] 29 Apr. Available at: <https://www.newsweek.com/poland-radoslaw-sikorski-russia-nato-attack-1895017> [Accessed 10 Mar. 2025].
- 'The Polish prime minister announced Friday that his government is preparing to require every adult male to undergo "large-scale military training" to more than double the size of the army in the event of a war with Russia.
- Siemaszko, C. (2025). 'Poland to require all adult men to take military training and consider nuclear weapons as Trump shifts on Russia'. *NBC News*. [online] 8 Mar. Available at: <https://www.nbcnews.com/news/world/poland-full-military-training-nuclear-weapons-russia-trump-rcna195357> [Accessed 10 Mar. 2025].
- 'Sweden's military commander-in-chief Gen. Micael Bydén said all Swedes should mentally prepare for the possibility of war as the country moves toward joining NATO. Member countries, including Poland and Germany, have said that within the next decade Russia could attack nations that have joined the military alliance. Bydén warned that "Russia's war against Ukraine is just a step, not an end game."
- O'Dell, H. (2024). 'Why is Sweden telling its citizens to prepare for war?' *Bluemarble*. [online] 24 Jan. Available at: <https://globalaffairs.org/bluemarble/sweden-tells-citizens-prepare-war-russian-aggression-nato-membership> [Accessed 10 Mar. 2025].
- 30 Panda, J. (2024). *Mapping China's Himalayan Hustle*. [online] Stockholm: Institute for Security and Development Policy, p.23. Available at: <https://www.isdp.eu/wp-content/uploads/2024/11/Stockholm-Paper-5-v.8-1.pdf> [Accessed 13 Mar. 2025].
- Roy, D. (2020). 'Mongolians are Paranoid about China, and They Should Be'. *PacNet*, [online] 57. Available at: https://pacforum.org/wp-content/uploads/2024/01/20201016_PacNet_57.pdf [Accessed 13 Mar. 2025].
- 31 Stevis-Gridneff, M. (2025). 'How Trump's "51st State" Canada Talk Came to Be Seen as Deadly Serious'. *The New York Times*. [online] 7 Mar. Available at: <https://www.nytimes.com/2025/03/07/world/canada/trump-trudeau-canada-51st-state.html> [Accessed 10 Mar. 2025].
- 32 The Wall Street Journal (2025). *How Trump Plans to 'Take Back' the Panama Canal*. *You Tube*. Available at: <https://www.youtube.com/watch?v=BrH66Phjits> [Accessed 12 Mar. 2025].
- 33 Schofield, C. (2025). 'Yes, Trump can rename the Gulf of Mexico – just not for everyone. Here's how it works'. *RNZ*. [online] 28 Jan. Available at: <https://www.rnz.co.nz/news/world/540149/yes-trump-can-rename-the-gulf-of-mexico-just-not-for-everyone-here-s-how-it-works> [Accessed 10 Mar. 2025].
- 34 Sanger, D.E. (2025). 'Power, Money, Territory: How Trump Shook the World in 50 Days'. *The New York Times*. [online] 11 Mar. Available at: https://www.nytimes.com/2025/03/11/us/politics/trump-50-days-foreign-policy.html?unlocked_article_code=1.3U4.Xx2E.bCEcbKfMTUKl&smid=nytcare-ios-share&referringSource=articleShare [Accessed 13 Mar. 2025].
- 35 BBC News (2020). 'Brexit: What you need to know about the UK leaving the EU'. [online] 30 Dec. Available at: <https://www.bbc.com/news/uk-politics-32810887> [Accessed 10 Mar. 2025].
- 36 Visual Journalism Team (2025). 'Ukraine in maps: Tracking the war with Russia'. *BBC News*. [online] 10 Mar. Available at: <https://www.bbc.com/news/world-europe-60506682> [Accessed 12 Mar. 2025].
- 37 Azevedo, D., Bakliwal, S., Chen, C., Gilbert, M., Koch-Weser, I., Lang, N. and McAdoo, M. (2024). 'An Evolving BRICS and the Shifting World Order'. [online] BCG Global. Available at: <https://www.bcg.com/publications/2024/brics-enlargement-and-shifting-world-order> [Accessed 10 Mar. 2025].
- 38 Roth, A. (2024). 'Western leaders point finger at Putin after Alexei Navalny's death' in jail. *The Guardian*. [online] 16 Feb. Available at: <https://www.theguardian.com/world/2024/feb/16/russian-activist-and-putin-critic-alexei-navalny-dies-in-prison> [Accessed 10 Mar. 2025].

- And Papachristou, L. (2024). 'What we know about Alexei Navalny's death in Arctic prison'. *Reuters*. [online] 18 Feb. Available at: <https://www.reuters.com/world/europe/alexei-navalnys-death-what-do-we-know-2024-02-18> [Accessed 11 Mar. 2025].
- 39 BBC News (2025). 'What US, Russia and Europe are thinking ahead of fresh Ukraine talks'. [online] 8 Mar. Available at: <https://www.bbc.com/news/articles/c05m907r39qo.amp> [Accessed 10 Mar. 2025].
- 40 Reuters (2025). 'Trump says Russia easier to deal with than Ukraine in push for peace'. *YouTube*. Available at: <https://www.youtube.com/watch?v=9Ln2of-YdIA> [Accessed 10 Mar. 2025].
- 41 Hansler, J. (2025). 'US joins Russia to vote against UN resolution condemning Russia's war against Ukraine'. *CNN*. [online] 24 Feb. Available at: <https://edition.cnn.com/2025/02/24/politics/us-joins-russia-ukraine-un-vote/index.html> [Accessed 13 Mar. 2025].
- 42 News Desk (2025). 'Trump calls US Japan security treaty unfair says Japan offers no protection'. *The Express Tribune*. [online] 7 Mar. Available at: <https://tribune.com.pk/story/2532899/trump-calls-us-japan-security-treaty-unfair-says-japan-offers-no-protection> [Accessed 10 Mar. 2025].
- 43 Luck, A. (2025). 'Chinese Task Force Circumnavigates Australia, Causing Local Stir'. *Naval News*. [online] 7 Mar. Available at: <https://www.navalnews.com/naval-news/2025/03/chinese-task-force-circumnavigates-australia-causing-local-stir> [Accessed 10 Mar. 2025].
- 44 Guilfoyle, D. (2025). *Have the Chinese warships off Australia's coast broken any laws?* [online] UNSW Sydney. Available at: <https://www.unsw.edu.au/newsroom/news/2025/02/have-the-chinese-warships-off-australia-s-coast-broken-any-laws> [Accessed 10 Mar. 2025].
- 45 'With only three of the world's top 15, opens new tab arms producers, Europe is heavily reliant on defence imports, meaning a lot of the benefit will flow out of its economy. Since Russia's 2022 invasion of Ukraine, 78% of EU procurement has gone outside the bloc, with 63% to the U.S., European Commission data show.'
- Bahceli, Y. (2025). 'Defence surge could help jumpstart Europe's flat economy'. *Reuters*. [online] 7 Mar. Available at: <https://www.reuters.com/world/europe/defence-surge-could-help-jumpstart-europes-flat-economy-2025-03-06> [Accessed 12 Mar. 2025].
- 'As of 2025, the combined forces of NATO had approximately 3.44 million active military personnel, compared with 1.32 million active military personnel in the Russian military. The collective military capabilities of the 32 countries that make up NATO outnumber Russia in terms of aircraft, at 22,377 to 4,957, and in naval power, with 1,143 military ships, to 339. In terms of ground combat vehicles, NATO had an estimated 11,495 main battle tanks, to Russia's 5,750.'
- Statista Research Department (2025). 'Comparison of the military capabilities of NATO and Russia as of 2025'. [online] 7 Mar. Available at: <https://www.statista.com/statistics/1293174/nato-russia-military-comparison> [Accessed 12 Mar. 2025].
- European Commission (2025). 'Press statement by President von der Leyen on the defence package'. [online] 4 Mar. Available at: https://ec.europa.eu/commission/presscorner/detail/sv/statement_25_673 [Accessed 12 Mar. 2025].
- 46 Davies, M. (2025). 'Ukraine ready to accept 30-day ceasefire with Russia proposed by US'. *BBC News*. [online] 12 Mar. Available at: <https://www.bbc.com/news/articles/cx2x518nv3mo> [Accessed 12 Mar. 2025].
- 47 Friedman, L. and Tabuchi, H. (2025). 'E.P.A. Declares "Greatest Day of Deregulation Our Nation Has Seen"'. *The New York Times*. [online] 12 Mar. Available at: <https://www.nytimes.com/2025/03/12/climate/epa-zeldin-rollbacks-pollution.html> [Accessed 13 Mar. 2025].
- 48 'Appeasement is a diplomatic strategy. It involves making concessions to an aggressive foreign power in order to avoid war. It is most commonly associated with British Prime Minister Neville Chamberlain, in office from 1937 to 1940. In the 1930s, the British government pursued a policy of appeasement towards Nazi Germany. Today, appeasement is usually regarded as a failure because it did not prevent World War II.'
- United States Holocaust Memorial Museum (2023). *THE BRITISH POLICY OF APPEASEMENT TOWARD HITLER AND NAZI GERMANY*. [online] Available at: <https://encyclopedia.ushmm.org/content/en/article/neville-chamberlain> [Accessed 10 Mar. 2025]
- 49 'The next four years and beyond will be a bumpy ride come what may, but it will be more navigable after accepting that the world has fundamentally changed. For decades, the US was the champion of western values. The America of Trump, Vance and Musk has left them behind.'
- Burn-Murdoch, J. (2025). 'Why the Maga mindset is different'. *Financial Times*. [online] 7 Mar. Available at: <https://www.ft.com/content/3046013f-da85-4987-92a5-4a9e3008a9e1> [Accessed 10 Mar. 2025].
- 50 McGuinness Institute (2011). *Project 2058 Report 12 – StrategyNZ Mapping our Future Workbook: Exploring visions, foresight, strategies and their execution*. [online] p.20. Available at: <https://www.mcguinnessinstitute.org/publications/project-2058-reports> [Accessed 10 Mar. 2025].
- 51 Corin, D. and Moir, J. (2025). 'New Zealand needs to "step up" on defence spending, Winston Peters says'. *RNZ*. [online] 1 Mar. Available at: <https://www.rnz.co.nz/news/national/543390/new-zealand-needs-to-step-up-on-defence-spending-winston-peters-says> [Accessed 10 Mar. 2025].
- 52 'The 2% of GDP guideline is an important indicator of the political resolve of individual Allies to contribute to NATO's common defence efforts.'
- NATO (2024). *Defence expenditures and NATO's 2% guideline*. [online] Available at: https://www.nato.int/cps/en/natohq/topics_49198.htm [Accessed 10 Mar. 2025].
- 53 'The North Atlantic Treaty Organization (NATO) was established on April 4, 1949 with the signing of the North Atlantic Treaty by 12 founding members.'
- NATO's key purpose is to ensure the collective defence of its member countries, based on a 360-degree approach. This approach defines the Alliance's three core tasks: deterrence and defence; crisis prevention and management; and cooperative security.
- The transatlantic bond between NATO members is indispensable to Allied security, bound together by common values: individual liberty, human rights, democracy and the rule of law. NATO remains firmly committed to the purposes and principles of the North Atlantic Treaty and the Charter of the United Nations.'
- NATO's Strategic Warfare Development Command (n.d.). 'The Role of NATO and its Strategic Commands'. [online] Available at: <https://www.act.nato.int/about/the-command> [Accessed 12 Mar. 2025].
- The NATO Warfighting Capstone Concept (NWCC) was approved in 2021. Key excerpts are as follows:
- 'UNDERSTANDING A PROJECTED THREAT CURVE
- The problem sets outlined in the NATO Military Strategy – strategic competition, pervasive instability, and strategic shocks – are likely to endure and to grow in complexity. Building on this baseline, the Alliance shall collaboratively develop a shared understanding of a projected threat curve out to 20 years. The curve comprises the possible strategic paths of main threats and wider challenges, as well as increasing and pervasive instability and strategic shocks.

ASSESSING THE STRATEGIC PATHS OF RELEVANT ACTORS

Russia, terrorist groups and organisations, and wider challenges, such as China or Iran, could take multiple strategic paths over the next 20 years. They will seek to shape, in their own ways, the operating environment and may attempt to reject or replace the rules-based international order. Their actions range from overt hostility and conflict to partnership. The trajectories of some actors may occasionally intertwine, as exemplified by the joint military activities of Russia and China. These paths are influenced by the development of Alliance's own MIO. Continuous horizon scanning and study of the paths of potential adversaries and other relevant actors, (comprising their strategies, approach to warfighting, assessed plans and intent, force and capability development) are essential for the Alliance's ability to proactively shape, through warfare development, and to alter other actors' pathways.'

North Atlantic Treaty Organization (n.d.). *NATO Warfighting Capstone Concept*. [online] Available at: <https://www.act.nato.int/wp-content/uploads/2023/06/NWCC-Glossy-18-MAY.pdf> [Accessed 13 Mar. 2025].

NATO's Strategic Warfare Development Command (2023). 'Adaptable Strategy: NATO Warfighting Capstone Concept's 20-Year Vision for NATO and Allied Forces - NATO's ACT'. [online] 22 Dec. Available at: <https://www.act.nato.int/article/nwccs-20year-vision-for-nato> [Accessed 12 Mar. 2025].

54 Pacific Islands Forum (n.d.). *The Pacific Islands Forum*. [online] Available at: <https://forumsec.org/pacific-islands-forum> [Accessed 10 Mar. 2025].

55 Radio New Zealand (RNZ) (2025). 'Cook Islands strikes deal with China on seabed minerals.' *RNZ*. [online] 22 Feb. Available at: <https://www.rnz.co.nz/international/pacific-news/542678/cook-islands-strikes-deal-with-china-on-seabed-minerals> [Accessed 6 Mar. 2025].

56 Lewis, L. (2025). 'NZ's "diplomatic tiff" with Kiribati could push it closer to China, warns expert'. *RNZ*. [online] 28 Jan. Available at: <https://www.rnz.co.nz/news/pacific/540125/nz-s-diplomatic-tiff-with-kiribati-could-push-it-closer-to-china-warns-expert> [Accessed 10 Mar. 2025].

57 McKiernan, J. (2025). 'About 20 countries could join Ukraine coalition, UK says'. *BBC News*. [online] 6 Mar. Available at: <https://www.bbc.com/news/articles/c2017v5ngxpo> [Accessed 10 Mar. 2025].

58 Learn more about anticipatory governance from the McGuinness Institute and from the OECD Strategic Foresight Unit.

OECD (2024). *Strategic Foresight*. [online] Available at: <https://www.oecd.org/en/about/programmes/strategic-foresight.html> [Accessed 10 Mar. 2025].

McGuinness Institute Te Herenga Waka (2024). *Foresight Tools*. [online] Available at <https://www.mcguinnessinstitute.org/foresight-tools>

59 McGuinness Institute Te Herenga Waka (2021). *TalentNZ*. [online] Available at: <https://www.mcguinnessinstitute.org/research-projects/talent-nz> [Accessed 10 Mar. 2025].

60 'Among the world's biggest consumers of fuel, militaries account for 5.5% of global greenhouse gas emissions, according to a 2022 estimate by international experts. But defence forces are not bound by international climate agreements to report or cut their carbon emissions, and the data that is published by some militaries is unreliable or incomplete at best, scientists and academics say. That's because military emissions abroad, from flying jets to sailing ships to training exercises, were left out of the 1997 Kyoto Protocol on reducing greenhouse gases - and exempted again from the 2015 Paris accords - on the grounds that data about energy use by armies could undermine national security.'

Mcfarlane, S. and Volcovici, V. (2023). 'Insight: World's war on greenhouse gas emissions has a military blind spot'. *Reuters*. [online] 11 Jul. Available at: <https://www.reuters.com/business/environment/worlds-war-greenhouse-gas-emissions-has-military-blind-spot-2023-07-10> [Accessed 11 Mar. 2025].

'Russia's invasion of Ukraine has directly caused or paved the way to the emission of 175 million tonnes of carbon dioxide (CO₂) into the atmosphere', a joint report by Ukraine's environment ministry and climate NGOs. Their 'estimate included both emissions that had been released and those that would be produced during repair work following the destruction caused by the February 2022 invasion.'

Hunder, M. (2024). 'Study details huge emissions resulting from Russia's invasion of Ukraine'. *Reuters*. [online] 13 Jun. Available at: <https://www.reuters.com/world/europe/study-details-huge-emissions-resulting-russias-invasion-ukraine-2024-06-12> [Accessed 11 Mar. 2025].

61 Brett Kelly, S. (2025). 'A step up in fake news'. *RNZ*. [online] 11 Feb. Available at: <https://www.rnz.co.nz/news/thedetail/541477/a-step-up-in-fake-news> [Accessed 10 Mar. 2025].

62 *The State of Cyber Security 2025* Report (p. 11) states "These operations focused on global events, with nation-states like China, Russia, and Iran accused of using advanced tactics to manipulate public opinion, undermine trust, and interfere with elections to destabilize democratic processes."

Check Point (n.d.). *Cyber Security Report 2025*. [online] p.11. Available at: <https://www.checkpoint.com/security-report> [Accessed 10 Mar. 2025].

63 UNFCCC (2015). *The Paris Agreement*. [online] United Nations Climate Change. Available at: <https://unfccc.int/process-and-meetings/the-paris-agreement> [Accessed 10 Mar. 2025].

64 McGuinness Institute Te Herenga Waka (2022). *The end of the beginning*. [online] Available at: <https://www.mcguinnessinstitute.org/wp-content/uploads/2025/02/TP38-202203-TheEndOfTheBeginning-FINAL.pdf> [Accessed 10 Mar. 2025].

65 McGuinness Institute Te Herenga Waka (2014). *Towards a Strategy of Freedom*. [online] Available at: <https://www.mcguinnessinstitute.org/wp-content/uploads/2025/02/TP20-201409-TowardsAStrategyOfFreedom-FINAL.pdf> [Accessed 10 Mar. 2025].

Figure references

Figure 1: New Zealand Exports and Imports by Country*

Additional notes

* In the 1896 Imports by country graph, British Colonies and Possessions included Australia. In the 1896 Exports by country graph, British Colonies and Possessions did not include Australia and was instead titled as 'Other British possessions'.

** The 2024 exports and imports data contains provisional statistics for the months of April, May and June.

Exports – 1896:

THE NEW ZEALAND OFFICIAL YEAR-BOOK 1907. (n.d.). [online] Stats NZ. Available at: https://www3.stats.govt.nz/New_Zealand_Official_Yearbooks/1907/NZOYB_1907.html#idsect1_1_109489 [Accessed 11 Mar. 2025]. s 42.

Exports – 2024:

Stats NZ (2024). Overseas merchandise trade: June 2024. Exports by destination. [online] Available at: <https://www.stats.govt.nz/information-releases/overseas-merchandise-trade-june-2024> [Accessed 11 Mar. 2025]. Table 3.

Imports – 1896:

THE NEW ZEALAND OFFICIAL YEAR-BOOK 1907. (n.d.). [online] Stats NZ. Available at: https://www3.stats.govt.nz/New_Zealand_Official_Yearbooks/1907/NZOYB_1907.html#idsect1_1_109489 [Accessed 11 Mar. 2025]. s 41.

Imports – 2024:

Stats NZ (2024). Overseas merchandise trade: June 2024. Imports by country of origin. [online] Available at: <https://www.stats.govt.nz/information-releases/overseas-merchandise-trade-june-2024> [Accessed 11 Mar. 2025]. Table 4.

Stats NZ (2025). International trade: December 2024 quarter. [online] Stats NZ. Available at: <https://www.stats.govt.nz/information-releases/international-trade-december-2024-quarter> [Accessed 11 Mar. 2025]. Table 4, 7.

Figure 2: The four leaders in the year 2029^{##}

President Xi Jinping

Albert, M. (2025). Xi Jinping. In: *Encyclopædia Britannica*. [online] Available at: <https://www.britannica.com/biography/Xi-Jinping> [Accessed 12 Mar. 2025].

Press Service of the President of the Republic of Azerbaijan (2024). *Xi Jinping, General Secretary of the Chinese Communist Party in Astana*. [Online Image] *Wikimedia Commons*. Available at: https://commons.wikimedia.org/wiki/File:Xi_Jinping_in_July_2024.jpg [Accessed 10 Mar. 2025]. Available for use through a CC BY 4.0 license. The image has been cropped and edited to grayscale.

Prime Minister Narendra Modi

D'Souza, S. (2025). Narendra Modi. In: *Encyclopædia Britannica*. [online] Available at: <https://www.britannica.com/biography/Narendra-Modi> [Accessed 12 Mar. 2025].

PM Modi during the State Visit of the President of the Republic of Singapore to India, 2015. (2015). [Online Image] *Wikimedia Commons*. Available at: https://commons.wikimedia.org/wiki/File:PM_Modi_2015.jpg [Accessed 10 Mar. 2025]. Available for use through a CC BY-SA 2.0 license. The image has been cropped and edited to grayscale.

President Donald Trump

Duignan, B. (2025). Donald Trump. In: *Encyclopædia Britannica*. [online] Available at: <https://www.britannica.com/biography/Donald-Trump> [Accessed 12 Mar. 2025].

Skidmore, G. (2024). *Former President of the United States Donald Trump Speaking with Attendees at an Arizona for Trump Rally at Desert Diamond Arena in Glendale, Arizona*. [Online Image] *Wikimedia Commons*. Available at: https://commons.wikimedia.org/wiki/File:Donald_Trump_%2853953046884%29.jpg [Accessed 10 Mar. 2025]. Available for use through a CC BY-SA 2.0 license. The image has been cropped and edited to grayscale.

President Vladimir Putin

Ray, M. (2025). Vladimir Putin. In: *Encyclopædia Britannica*. [online] Available at: <https://www.britannica.com/biography/Vladimir-Putin> [Accessed 12 Mar. 2025].

The Presidential Press and Information Office (2021). *President Vladimir Putin*. [Online Image] *Wikimedia Commons*. Available at: https://commons.wikimedia.org/wiki/File:%D0%92%D0%B%D0%B0%D0%B4%D0%B8%D0%BC%D0%B8%D1%80_%D0%9F%D1%83%D1%82%D0%B8%D0%BD_%2820-06-2021%29_%28cropped%29.jpg [Accessed 10 Mar. 2025]. Available for use through a CC BY 4.0 license. The image has been cropped and edited to grayscale.