SIMPSON CONSULTING

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PREPARED

THE REFERENCE GUIDE FOR INDIVIDUALS, COMMUNITIES, BUSINESS & GOVERNMENT

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PREFACE

Tēnā koutou

This is a map of the New Zealand Preparedness space in 2021, designed for specialists in personal and professional Preparedness as well as anyone with a general interest.

COVID-19 and the events and issues of 2020 prompted a renewed interest among the general public about resilience, risk, continuity, emergencies, self-sufficiency and the variety of industries that focus on and relate to Preparedness. Although many high-quality resources are being released, they can be difficult to find amongst the flood of documents, opinion and commentary.

This guide puts hundreds of thousands of pages of free, high quality resources at your fingertips. I have focused on links to authoritative resources and libraries. With a few exceptions (which are noted in this document), all the links are to free resources & publications that do not require a membership, email subscription or payment..

You can opt in to receive updated versions of **New Zealand Prepared**, as well as preparedness commentary, tips and resources on simpsonconsulting.online.

Kind regards

Richard Simpson
Owner - Simpson Consulting

ABOUT ME

I provide professional consulting services on operational, tactical and strategic resilience, based on international experience in emergency management, compliance, policy, business continuity and training.

You can contact me if you would like more information or a no-obligation chat about individual or organisational resilience.

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ABOUT THE GUIDE

This guide has been prepared in good faith, based primarily on information from open-source material. Original content is available for download on the relevant NZ sites or other sources, and thus considered to be in the public domain.

While making every attempt to ensure information is relevant and accurate, I do not guarantee or warrant the accuracy, reliability, completeness, or currency of information in this publication. Necessary updates will be incorporated in future versions.

Download this document, and *opt in* for FREE email updates and new versions, via ...

https://simpsonconsulting.online

USING THIS GUIDE

This Guide is a shopping list for your Preparedness needs.

Pick through each section and decide what suits your own Preparedness, for your community, business, agency, family or clients.

There are hundreds of hyperlinks – many of which are large lists of other links or documents – providing thousands of pages of free Preparedness resources.

READINESS & RESPONSE

PROFESSIONAL & PERSONAL DEVELOPMENT

READINESS & RESPONSE

COVID-19 RESPONSE AND PANDEMIC PREPAREDNESS

With many new COVID-19 guides published online every day, it pays to be familiar with the authoritative, primary sources.
Coronavirus planning builds preparedness for the current event and other emerging disease or pandemic scenarios, as well as other human-centred continuity situations such as absenteeism (/strike), major events and health & safety.

Unite Against COVID-19 site: Official NZ reference.

https://covid19.govt.nz/ 🔗

Lockdown care package.

https://www.healthnavigator.org.nz/health-a-z/c/covid-19-care-package/ 🔗

INTERNATIONAL STRATEGY

Australian national, state and territory pandemic plans, as well as curated sources about COVID-19.

https://knowledge.aidr.org.au/collections/pandemic/ 🔗

Obama White House 'Pandemic playbook'. Public link.

https://assets.documentcloud.org/documents/6819268/Pandemic-Playbook.pdf 🔗

The Biden-Harris plan to beat COVID-19.

https://www.whitehouse.gov/priorities/covid-19/ 🔗

UK Government page.

https://www.gov.uk/coronavirus 🔗

INTERNATIONAL STRATEGY

NATIONAL STRATEGY

Plan to manage COVID-19 over summer (Dec. 2020).

https://covid19.govt.nz/updates-and-resources/latest-updates/new-zealands-plan-to-manage-covid-19-over-summer/ 🔗

Elimination strategy.

https://www.health.govt.nz/our-work/diseases-and-conditions/covid-19-novel-coronavirus/covid-19-response-planning/covid-19-elimination-strategy-aotearoa-new-zealand 🔗

NZ Influenza Pandemic Plan: A Framework for Action (2017 document based on 'standard planning model' - not COVID-19).

https://www.health.govt.nz/publication/new-zealand-influenza-pandemic-plan-framework-action 🔗

EQUITY AND MĀORI PLANNING

Health Equity principles.

https://www.hqsc.govt.nz/our-programmes/partners-in-care/health-equity/ 🔗

Equity principles of COVID-19 national response.

https://gateway.hrc.govt.nz/funding/maori-health-research/2020-covid-19-equity-response 🔗

Te Rōpū Whakakaupapa Urutā is an independent group providing info & advice about COVID-19 as it relates to Māori.

https://www.uruta.maori.nz/about 🔗

Updated Māori health response plan *(partnership between the Crown and Māori is based on Te Tiriti o Waitangi. The health sector response is only one element of COVID-19).*

https://gateway.hrc.govt.nz/funding/maori-health-research/2020-covid-19-equity-response 🔗

Te Puni Kōkiri - COVID-19 information for Māori.

https://www.tpk.govt.nz/en/whakamahia/covid-19-information-for-maori 🔗

REFERENCES

The Center for Infectious Disease Research and Policy (CIDRAP) is a definitive source of pandemic and infectious disease news.

https://www.cidrap.umn.edu/ 🔗

Prevention Web - epidemic and pandemic section.

https://www.preventionweb.net/hazards/view/61 🔗

Long-running pandemic blog - A Flu Diary.

https://www.hqsc.govt.nz/our-programmes/partners-in-care/health-equity/ 🔗

Long-running pandemic blog - Crofts Blog *(incl useful list of links).*

https://crofsblogs.typepad.com/h5n1/ 🔗

Flutrackers is an online forum for pandemic and emerging disease news and research *(well-moderated, with an excellent reputation and successful enough to often be a target of DDOS attacks from certain international locations. The tireless user 'Sally Furniss' has maintained the NZ site for years).*

https://flutrackers.com/forum/forum/oceania 🔗

VACCINE

The Immunisation Advisory Centre.

https://www.immune.org.nz/covid-19-vaccines 🔗

NZ Government COVID-19 vaccine planning.

https://www.health.govt.nz/our-work/diseases-and-conditions/covid-19-novel-coronavirus/covid-19-response-planning/covid-19-vaccine-planning 🔗

EMERGENCY MANAGEMENT GUIDELINES

GOVERNMENT BRIEFINGS

Briefing to the Incoming Minister for Emergency Management *(02/11/2020 National Emergency Management Agency (NEMA) overview of emergency management).*

https://dpmc.govt.nz/sites/default/files/2020-12/bim-2020-nema-4317563.pdf 🔗

Cabinet Paper (August 2020) re: updating of the legislative framework to strengthen NZ's response to emergencies.

https://www.civildefence.govt.nz/assets/Uploads/publications/cabinet-paper-updating-the-legislative-framework-03-08-20.pdf 🔗

NEMA 'Resources for elected officials'.

https://www.civildefence.govt.nz/resources/resources-for-elected-officials/ 🔗

COORDINATED INCIDENT MANAGEMENT SYSTEM (CIMS)

CIMS is a framework for emergency response, used by all emergency services (and supporting agencies) in the country *(primarily consists of a common, modular series of emergency roles and responsibilities, as well as a set of high-level principles and characteristics based on clear communication pathways, common and flexible goals, and shared resources).*

https://www.civildefence.govt.nz/assets/Uploads/CIMS-3rd-edition-FINAL-Aug-2019.pdf 🔗

CIVIL DEFENCE (NEMA) RESOURCES

Large library of guidelines and research.

https://www.civildefence.govt.nz/resources/publications/ 🔗

- Notable: National tsunami advisory & warning plan (06/2020).

https://www.civildefence.govt.nz/cdem-sector/guidelines/national-tsunami-advisory-and-warning-plan/ 🔗

- Notable: National fuel plan (03/2020).

https://www.civildefence.govt.nz/cdem-sector/guidelines/national-fuel-plan/ 🔗

NATIONAL DISASTER RESILIENCE STRATEGY

Vision and long-term goals for civil defence emergency mgmt.

https://www.civildefence.govt.nz/cdem-sector/plans-and-strategies/national-disaster-resilience-strategy/ 🔗

Also compare the Disaster Risk Reduction in NZ: Status Report 2020 (prepared for UN Office for Disaster Risk Reduction).

https://www.preventionweb.net/publications/view/75771 🔗

NATIONAL SECURITY SYSTEM (NSS)

The NSS Handbook outlines strategy & governance for national security and in response to a national security crisis.

https://dpmc.govt.nz/publications/national-security-system-handbook-html 🔗

NZ Intelligence Community (NZIC) Strategic Capability and Resourcing Review Report Back (2019).

https://www.nzsis.govt.nz/resources/proactive-releases/ 🔗

NZ INFORMATION SECURITY MANUAL (NZISM)

The GCSB manual is the main reference for information assurance and information systems security.

https://www.gcsb.govt.nz/publications/the-nz-information-security-manual/ 🔗

The Government Protective Security site has simplified guides to management of Policy, privacy and National security information.

https://www.protectivesecurity.govt.nz/information-security/classification-system-and-handling-requirements/classification-system/overview/ 🔗

STANDARDS

As at April 2020, the International Org. for Standardization (ISO) and the International Electrotechnical Commission (IEC) have made a number of COVID-19 related standards freely available.

https://www.iso.org/obp/ui 🔗

Standards NZ have the list of available standards in their news release, and can supply pdfs by email request.

https://www.standards.govt.nz/news/media-releases/2020/apr/free-availability-of-covid-19-related-iso-standards/ 🔗

NATIONAL

NAT. SECURITY

INFO. SECURITY

STANDARDS

BUSINESS RESILIENCE AND CONTINUITY

BUSINESS RESILIENCE

Resilient Organisations has many free resources, links and publications about business resilience.

https://www.resorgs.org.nz/ 🔗

Practical videos from NZ Trade & Enterprise Deloitte and PWC.

https://www.nzte.govt.nz/blog/building-resilient-businesses-is-about-preparation-not-pivoting 🔗

Overview of emergency and business continuity planning.

https://www.business.govt.nz/risks-and-operations/planning-for-the-unexpected-bcp/emergency-planning-for-businesses/ 🔗

Institute of Directors guidance and tools to help boards and directors respond to COVID-19 *(includes various links)*.

https://www.iod.org.nz/covid-19/crisis-management-and-business-continuity/# 🔗

PWC COVID-19 business continuity resources.

https://www.pwc.co.nz/insights-and-publications/2020-publications/covid-19.html 🔗

KPMG guide to maintaining enterprise resilience.

https://assets.kpmg/content/dam/kpmg/nz/pdf/2020/05/enterprise-resilience-framework-aspac-booklet-teaser.pdf 🔗

Seismic resilience of NZ's building stock.

http://www.seismicresilience.org.nz/ 🔗

CRISIS COMMUNICATIONS

2020 conversation with Auditor-General John Ryan about public accountability, trust and confidence.

https://ipanz.org.nz/Article?Action=View&Article_id=150249 🔗

Wright Communications (& Colmar Brunton) Corporate Reputation Index 2020.

https://wrightcommunications.co.nz/media/2780/corporate-reputation-index-2020.pdf 🔗

BUSINESS RESILIENCE

CRISIS COMMS

SnapComms internal communications strategy template
(email subscription required).

> *https://www.snapcomms.com/internal-communication-strategy-example* 🔗

Risklogic crisis communications plan
(email subscription required).

> *https://risklogic.co.nz/free-crisis-communications-plan/* 🔗

Alexander PR white paper guide on managing issues and crisis facing your organisation in 2020 *(email subscription required).*

> *https://alexanderpr.co.nz/blog/free-white-paper-guide-to-managing-issues-and-crisis-facing-your-organisation-in-2020* 🔗

Presspage public relations guide to crisis communications
(international site but a useful guide).

> *https://www.presspage.com/crisis-communications-guide* 🔗

EVACUATION

Fire and Emergency New Zealand (Fire Safety, Evacuation Procedures, and Evacuation Schemes) Regulations 2018.

> *https://legislation.govt.nz/regulation/public/2018/0096/latest/LMS46375.html* 🔗

Building Compliance NZ - Fire evacuation drills 'A how to guide'.

> *http://bcnzl.co.nz/fire-evacuation-drills-a-how-to-guide/* 🔗

Devereux-Blum Training & Development emergency procedure chart, evacuation site plans and building search zone cards.

> *https://emergencymanagement.co.nz/category/products/evacuation-plans/* 🔗

HEALTH & SAFETY

Worksafe NZ publications and resources library.

> *https://www.worksafe.govt.nz/publications-and-resources/* 🔗

- *Notable: Examples of risks by sector - guide*
> *https://www.worksafe.govt.nz/assets/dmsassets/3/3741WKS-17-about-us-safeplus-examples-of-high-risks-by-sector.pdf* 🔗

SupportAdventure tourism & commercial outdoor recreation.

> *https://www.supportadventure.co.nz/good-practice/emergencies/* 🔗

EVACUATION

HEALTH & SAFETY

LOCKDOWN, ACTIVE SHOOTER

Ministry of Education emergency planning guides and templates, including lockdowns.

https://www.education.govt.nz/school/health-safety-and-wellbeing/emergencies-and-traumatic-incidents/preparing-for-emergencies-and-traumatic-incidents/ 🔗

Active Armed Offender attack – advice for individuals – from Australia-NZ Counter-Terrorism Committee (Wellington Uni link).

https://www.wgtn.ac.nz/__data/assets/pdf_file/0009/1749987/aao-attack-initial-action-advice-for-individuals-from-australia-nz-counter-terrorism-committee.pdf 🔗

Security Institute of NZ, from Australian National Security source (2017) – Active Armed Offender Guidelines for Crowded Places.

http://security-institute.org.nz/resources/anzctc/active-armed-offender-guidelines/ 🔗

PERSONNEL

Fire Service research report library - various subjects
(search for Category>'Firefighters including volunteers').

https://www.fireandemergency.nz/research-and-reports/research-reports/ 🔗

NZ Police staff survey on workplace culture (2020), commissioned by the Commissioner of Police and the Chairman of IPCA.

https://www.police.govt.nz/about-us/publication/culture-survey-results-2020 🔗

https://www.police.govt.nz/about-us/publication/preventing-and-managing-bullying-police-francis-review 🔗

https://www.ipca.govt.nz/Site/publications-and-media/2021-reports-on-investigations/2021-mar-02-bullying-and-culture-nzp.aspx 🔗

The UK Centre for the Protection of National Infrastructure (CPNI) has templates and guidance for running organisational security awareness campaigns.

https://www.cpni.gov.uk/security-campaigns 🔗

INTELLIGENCE - GENERIC MAPS AND REFERENCES
(REDUCTION / READINESS PHASE)

ALL HAZARDS

Natural Hazards Research Platform *(large publication library).*

https://www.naturalhazards.org.nz/ 🔗

ALL HAZ.

ARCHAELOGICAL AND HISTORICAL SITES

NZ Archaeological Association archaeological site recording scheme *(most have location information only, no detail).*

https://archsite.eaglegis.co.nz/NZAAPublic 🔗

Google Earth Archaeology.

https://nzarchaeology.org/resources/google-earth-archaeology 🔗

NZ Heritage List/Rārangi Kōrero – information about significant heritage places:

https://www.heritage.org.nz/the-list 🔗

Conflict antiquities - blog focused on illicit antiquities trading in economic crisis, organised crime and political violence.

https://conflictantiquities.wordpress.com/ 🔗

ARCHAEOLOGY & HISTORICAL

CIVIL DEFENCE GROUPS

Graphic of the 16 CDEM Groups and their associated councils.

https://www.civildefence.govt.nz/cdem-sector/cdem-groups/ 🔗

CIVIL D.

COUNCILS

Regional, district and city councils – boundaries and websites.

https://www.lgnz.co.nz/local-government-in-nz/new-zealands-councils/ 🔗

COUNCILS

DEMOGRAPHICS

2018 Census map gallery.

https://statsnz.maps.arcgis.com/apps/MinimalGallery/index.html?appid=41cef103bf0c4cd88eee590c06dc7805

NZ Government data (remember to check the source, especially demographic information that may be based on 2013 census data.

https://www.stats.govt.nz/

DEPARTMENT OF CONSERVATION (DOC)

DOC maps - including public conservation areas, walking and tramping tracks, hikes and accommodation.

https://www.doc.govt.nz/map/index.html

FIRE AND EMERGENCY NZ

Find a station's key contact and address details.

https://www.fireandemergency.nz/find-a-station/

FLIGHT SEAT MAPS

Aircraft seat maps.

https://www.airnewzealand.co.nz/seat-maps

https://www.qantas.com/nz/en/qantas-experience/onboard/seat-maps.html

https://www.seatmaestro.com/airlines/

HEALTH

District Health Board (DHB) maps.

https://www.health.govt.nz/new-zealand-health-system/key-health-sector-organisations-and-people/district-health-boards/location-boundaries-map

Find public hospitals in your area

https://www.health.govt.nz/your-health/certified-providers/public-hospital

Public Health Unit list and districts covered.

https://www.health.govt.nz/new-zealand-health-system/key-health-sector-organisations-and-people/public-health-units?mega=NZ%20health%20system&title=Public%20health%20units

HORTICULTURE AND AGRICULTURE

Interactive NZ plant hardiness zone map.

https://www.plantmaps.com/interactive-new-zealand-plant-hardiness-zone-map-celsius.php 🔗

Manaaki Whenua Soils Portal - detail from various databases.

https://soils.landcareresearch.co.nz/ 🔗

IWI MAPS AND MĀORI PLACE NAMES

Creative NZ iwi map (indication only - *not* a definitive guide).

https://www.creativenz.govt.nz/assets/paperclip/publication_documents/documents/427/original/iwi_map.pdf?1442981395 🔗

Printable and interactive map with Te Reo Māori place names.

https://www.andrewdc.co.nz/2018/03/13/te-reo-maori-map-of-aotearoa-new-zealand/ 🔗

Various New Zealand Geographic Board Ngā Pou Taunaha o Aotearoa maps and publications

https://www.linz.govt.nz/regulatory/place-names/about-new-zealand-geographic-board/nzgb-place-name-maps-and-publications 🔗

'Māori maps' website with interactive map of marae around the country – administrated by Te Potiki National Trust

https://maorimaps.com/map 🔗

NEWSPAPERS

International newspaper map

https://newspapermap.com/#-41.28641,173.1915,6z 🔗

POLICE

Police districts and police station A-Z.

https://www.police.govt.nz/about-us/structure/police-districts 🔗

https://www.police.govt.nz/contact-us/stations/a2z 🔗

Recent crime statistics.

https://www.police.govt.nz/crime-snapshot 🔗

https://www.police.govt.nz/news/districts 🔗

AGRICULTURE

IWI AND MĀORI PLACE NAMES

NEWS

POLICE

POPULATION LOCATION AND MOVEMENT

Population density and diversity in NZ map (2018 data) – Stats NZ.

https://storymaps.arcgis.com/stories/28ff84c3ff6640ee9f216580faa96dcc

Heatmaps of Strava GPS-enabled device users averaged over the last two years (not update live). Useful to view popular locations and movement patterns:

https://www.strava.com/heatmap#5.98/168.96101/-41.10155/hot/all

PROPERTY AND REAL ESTATE

Many commercial sites charge for reports. Boundaries and title info can usually be found on the relevant Council GIS, or LINZ:

https://www.linz.govt.nz/data/linz-data/property-ownership-and-boundary-data

https://www.realestate.co.nz/tag/new-zealand-property-report

https://www.realestate.co.nz/tag/new-zealand-property-report

Maps with basic info and valuations (not fully accurate).

https://homes.co.nz/

https://www.oneroof.co.nz/

SEA/MARITIME CHARTS

Nautical charts for download (or purchase).

https://www.linz.govt.nz/sea/charts

Zoomable map of all LINZ (2017) marine charts stitched together.

https://wetmaps.co.nz/

TOPOGRAPHIC MAPS

Maps at 1:250,000 scale or 1:50,000 scale for download/purchase.

https://www.linz.govt.nz/land/maps/linz-topographic-maps/map-chooser

POPULATION

PROPERTY & REAL ESTATE

SEA

TOPO

TSUNAMI EVACUATION ZONES

This site links to the relevant section of the local Council maps. Some maps have information about other natural disasters.

https://www.civildefence.govt.nz/get-ready/get-tsunami-ready/tsunami-evacuation-zones/

Planning for tsunami vertical evacuation.

https://www.civildefence.govt.nz/cdem-sector/guidelines/assessment-and-planning-for-tsunami-vertical-evacuation/

TSUNAMI EVAC.

INCIDENT READINESS REFERENCES

EVENTS AND CROWDS

NZ police strategy, tools and resources for crowded places.

https://www.police.govt.nz/about-us/publication/crowded-places-resources

Evacuation planning and resources (including mass evacuation).

https://www.civildefence.govt.nz/cdem-sector/the-4rs/readiness-and-response/evacuation-planning-and-management/

Major event planning - focusing on security risks.

https://www.majorevents.govt.nz/event-security/managing-risks/

The Asia-Pacific Economic Cooperation (APEC) meeting is a significant event in 2021, to be hosted by NZ as a **virtual (online)** event:

https://www.apec2021nz.org/

DEPARTMENT OF INTERNAL AFFAIRS (DIA) INQUIRIES

Including the **Royal Commission of Inquiry into the Attack on Christchurch Mosques** in on 15/03/2019, released to the public in 12/2020 (full NZSIS Arotake report released 03/2021).

https://www.dia.govt.nz/Public-and-Government-Inquiries

https://www.police.govt.nz/about-us/investigations-and-reviews/commissions-inquiry/royal-commission-inquiry-terrorist-attack

https://assets.documentcloud.org/documents/20519010/arotake-report-march-2021.pdf

GANGS

Prohibition of Gang Insignia in Government Premises Act 2013.
Includes groups recognised as a "gang":

https://www.police.govt.nz/about-us/publication/crowded-places-resources

Limited up-to-date information is available, although below are links to a 2014 Cabinet Paper and 2016 Gang Intelligence Centre.

https://www.police.govt.nz/about-us/publication/cabinet-paper-whole-government-action-plan-reduce-harms-caused-new-zealand

https://www.police.govt.nz/about-us/publication/gang-intelligence-centre

EVENTS AND CROWDS

DIA INQUIRIES

GANGS

EMERGENCY SERVICES REVIEWS

Two reviews were released in 2020 on the Fire and Emergency NZ response to the NZ International Conference Centre fire in central Auckland on 22 October 2019:

https://www.fireandemergency.nz/research-and-reports/nzicc-fenz-fire-investigation-report/ 🔗

https://www.fireandemergency.nz/research-and-reports/new-zealand-international-conference-centre-fire-independent-operational-review/ 🔗

LIFELINES

NZ Critical Lifelines Infrastructure: National vulnerability assessment (2020). Access the Summary or Full Report via the NZ Lifelines Council home page.

http://www.nzlifelines.org.nz/ 🔗

https://www.civildefence.govt.nz/cdem-sector/lifeline-utilities/lifelines-groups/current-lifelines-groups/ 🔗

National fuel plan.

https://www.civildefence.govt.nz/cdem-sector/guidelines/national-fuel-plan/ 🔗

TERRORISM (GROUPS) & TRANSNATIONAL ORGANISED CRIME

Designated terrorist entities.

https://www.police.govt.nz/about-us/publication/designated-terrorist-entities 🔗

NZ Government Transnational Organised Crime Strategy 2020-25.

https://assets.documentcloud.org/documents/7205970/Transnational-Organised-Crime-in-New-Zealand-Our.pdf 🔗

EM REVIEWS

LIFELINES

TERRORISEM & INT'L CRIME

SITUATIONAL AWARENESS (INCIDENT RESPONSE PHASE)

CIVIL DEFENCE ALERT LEVELS

Current alerts.

https://www.civildefence.govt.nz/ 🔗

ALERT

CYBER SECURITY

National Cyber Security Centre.

https://www.ncsc.govt.nz/resources/ 🔗

Digital and DDOS attack visualisations.

https://horizon.netscout.com/ 🔗

https://cybermap.kaspersky.com/ 🔗

https://www.digitalattackmap.com/#anim=1&color=0&country=NZ&list=0&time=18631&view=map 🔗

US Army Field Manual (unclassified for public release) on Cyberspace and Electronic Warfare Operations (2017).

https://armypubs.army.mil/ProductMaps/PubForm/Details.aspx?PUB_ID=1002097 🔗

RAND Corporation - The Future of Cybercrime in Light of Technology Developments (2020).

https://www.rand.org/pubs/research_reports/RRA137-1.html 🔗

Electronic Frontier Foundation (EFF) overview - various resources and articles.

https://www.eff.org/issues/security 🔗

Sandworm (2019) by Andy Greenberg is an overview of the escalating cyberattacks by hackers allegedly connected with Russia. This book gives an excellent snapshot of the current global cyber security environment.

https://www.goodreads.com/book/show/41436213-sandworm 🔗

Hacker, Hoaxer, Whistleblower, Spy (2019) by Gabriella Coleman gives an insider's perspective of the rise of the hacker group known as Anonymous. *Those interested in the topic should also read Industry of Anonymity (2018) by Jonathan Lusthaus.*

https://www.goodreads.com/book/show/20601080-hacker-hoaxer-whistleblower-spy 🔗

CYBER SECURITY

DISASTER AND CRISIS MAPPING

Overview of different types of hazard and risk mapping.

https://www.gns.cri.nz/Home/RBP/Risk-based-planning/A-toolbox/Setting-the-Scene/General-Natural-Hazard-Guidance/Types-of-maps 🔗

International and crowd-sourced disaster mapping.

https://www.hotosm.org/impact-areas/disaster-response/ 🔗

https://www.ushahidi.com/ 🔗

https://www.crisiscleanup.org/about 🔗

EARTHQUAKES & VOLCANO

Earthquake maps and volcanic alert levels.

https://www.geonet.org.nz/ 🔗

http://quakes.globalincidentmap.com/ 🔗

AF8 [Alpine Fault magnitude 8] – a collaborative effort to save lives by planning and preparing a coordinated response across the South Island after a severe earthquake on the Alpine Fault.

https://af8.org.nz/ 🔗

EXTRATERRESTRIAL THREATS

Meteor shower calendar by (also sunrise/sunset).

https://www.timeanddate.com/astronomy/meteor-shower/list.html 🔗

Asteroid warnings.

https://cneos.jpl.nasa.gov/sentry/ 🔗

http://iawn.net/ 🔗

Solar flare warning (also available through an online app).

https://www.spaceweatherlive.com/en/solar-activity.html 🔗

FIRE

Fire incident reports.

https://www.fireandemergency.nz/incident-reports/ 🔗

Up-to-date fire indices maps by region.

https://fireweather.niwa.co.nz/ 🔗

GEOPOLITICAL ANALYSIS, TRANSNATIONAL ORGANISED CRIME AND TERRORISM

NZ Defence Force – 2020 briefing to the incoming Minister of Defence.

https://www.nzdf.mil.nz/assets/publication/Defence-BIM.pdf 🔗

In January 2021, the US White House declassified the previously SECRET document 'United States Strategic Framework for the Indo-Pacific' (brief, 10-page document):

https://www.whitehouse.gov/briefings-statements/statement-national-security-advisor-robert-c-obrien-011221/ 🔗

Stratfor – Geopolitical intelligence and analysis.

https://www.stratfor.com/ 🔗

Conflict location and event data.

https://apps.who.int/gpmb/assets/annual_report/GPMB_AR_2020_EN.pdf 🔗

https://www.riskmap.com/ 🔗

ACLED collects real-time data on the locations, dates, actors, fatalities, and types of all reported political violence and protest events (does not include Oceania).

https://acleddata.com/#/dashboard 🔗

Global Preparedness Monitoring Board Annual Report 2020.

https://apps.who.int/gpmb/assets/annual_report/GPMB_AR_2020_EN.pdf 🔗

US Army Field Manual (unclassified) Tactics in Counterinsurgency (2009 and 2014 documents).

https://armypubs.army.mil/ProductMaps/PubForm/Details.aspx?PUB_ID=85323 🔗

https://armypubs.army.mil/ProductMaps/PubForm/Details.aspx?PUB_ID=83748 🔗

Rand Corporation – Regional Responses to U.S.-China Competition in the Indo-Pacific: Australia and NZ (2020):

https://www.rand.org/pubs/research_reports/RR4412z1.html 🔗

GLOBAL HEALTH ALERTS

Global health alerts and outbreaks, and outbreak news.

https://www.healthmap.org/en/ 🔗

https://www.ghsindex.org/ 🔗

https://www.who.int/data/gho 🔗

GEOPOLITICAL, TRANSNAT. ORGANISED CRIME AND TERRORISM

HEALTH

NIWA SEASONAL CLIMATE OUTLOOK

Projections of seasonal climate for the next three months.

https://niwa.co.nz/climate/seasonal-climate-outlook 🔗

PUBLIC HEALTH SURVEILLANCE

Communicable disease statistics and data reports, including Notifiable Diseases:

https://surv.esr.cri.nz/episurv/index.php 🔗

RADIO

New Zealand Association of Radio Transmitters Inc. (NZART).

https://www.nzart.org.nz/ 🔗

The NZ Amateur Radio Emergency Communications (AREC) are a sub-group of NZART that organises emergency communications for the Emergency Services AREC is a member of the NZ Search & Rescue (NZSAR) Consultative Committee and an associate member of LandSAR NZ.

https://nsrc.nz/amateur-radio-emergency-communications 🔗

https://www.nzart.org.nz/contact/branches/ 🔗

http://arec.info/. 🔗

SATELLITE MAPS (RECENT, DAILY LOW RES)

Recent (e.g. current week) public satellite images. low resolution, suitable for views of wide area – e.g. tsunami, cyclone or wildfire

https://landsatlook.usgs.gov/ 🔗

https://apps.sentinel-hub.com/sentinel-playground/ 🔗

https://eos.com/landviewer/ 🔗

SEARCH AND RESCUE

NZ Land Search & Rescue Inc (LandSAR) is the national volunteer organisation providing rescue services to the Police and public.

https://www.landsar.org.nz/ 🔗

NIWA

PHEALTH

RADIO

SATELLITE

S&RESCUE

SOCIAL MEDIA MAPS - SNAPCHAT POSTS

Geolocated map of recent public Snapchat posts.

https://map.snapchat.com/@-41.898202,168.552607,4.98z

SOCIAL MEDIA MAPS - TWITTER POSTING

Real-time tweet maps with keyword search.

https://onemilliontweetmap.com/

https://www.tweeplers.com/map/

https://www.hashatit.com/

https://www.seekatweet.com/

TELECOMMUNICATIONS

Recent outages.

https://downdetector.co.nz/

https://www.spark.co.nz/outages/

https://www.vodafone.co.nz/help/network-status/

https://www.2degrees.nz/network-status/

*https://www.chorus.co.nz/outages?
utm_campaign=brand&utm_kxconfid=uydo0j5kk&utm_source=google
&gclid=CjwKCAiAo5qABhBdEiwAOtGmbhCJa3tBWFR4L5DygliXbARL3
AIFFECQ6Y3UJpH2dQXA0FWcs952KBoC5L8QAvD_BwE&gclsrc=aw.ds*
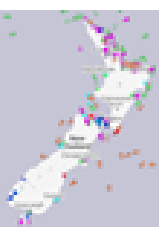
TRAFFIC - AIR

Flight radar sites.

https://www.flightradar24.com/-41,174.01/8

https://planefinder.net/

https://www.flightstats.com/v2/flight-tracker/search

TRAFFIC - MARITIME

Live marine traffic status.

https://www.marinetraffic.com/en/ais/home/centerx:167.3/centery:-40.4/zoom:5

Cruise tracker.

https://www.cruisemapper.com/

S.MEDIA

S.MEDIA

TELECOMMUNICATIONS

TRAFFIC-AIR

TRAFFIC-SEA

TRAFFIC - ROAD

NZTA maps of current traffic status.

https://www.journeys.nzta.govt.nz/traffic/

AA traffic status map.

https://www.aa.co.nz/travel/roadwatch/

TSUNAMI

US National Centers for Environmental Information natural hazards viewer, including travel times for historical tsunami,
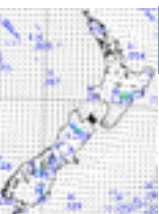as a planning reference.

https://maps.ngdc.noaa.gov/viewers/hazards/

UTILITIES

Refer to the relevant provider for current outage and fault information. Links are not included here, considering the many providers in this space.

WEATHER

While Metservice is the key source for maps and real-time information, other sites provide different views.

https://www.metservice.com/maps-radar/rain/radar?range=300&tab=real-time

https://earth.nullschool.net/

*https://weather.com/en-NZ/weather/radar/interactive/l/02b8cfe3dfa175ea86c
6f74004d5ccc799bdf2423ef512bed65642b1bb01e36a*

WEBCAMS

NZ public webcams.

https://www.earthcam.com/mapsearch/ 🔗

http://www.onlinecamera.com/cgi-bin/search.cgi?L=NEZ 🔗

http://www.world-webcams.net/webcams,new-zealand.html 🔗

http://www.meteosurfcanarias.com/webcams/new/ 🔗
beach-cams-country_new_zealand.php

https://airportwebcams.net/category/new-zealand/ 🔗

WEBCAMS

PROFESSIONAL & PERSONAL DEVELOPMENT

PROFESSIONAL DEVELOPMENT RESOURCES

TRAINING AND EXERCISES

NATIONAL EXERCISE PROGRAMME SCHEDULE

Upcoming national exercises information and planning guide.

https://dpmc.govt.nz/our-programmes/national-security-and-intelligence/national-exercise-programme 🔗

NEMA CDEM exercise calendar.

https://www.civildefence.govt.nz/cdem-sector/exercises/cdem-exercise-calendar/ 🔗

GAMIFICATION

PAXsims is a respected source for information, techniques and downloads of "serious games".

https://paxsims.wordpress.com/ 🔗

'Matrix games' are a popular format for 'tabletop' exercises. Examples of matrix games (basic to detailed) can be found via the PAXsims link above, with more information in the links below.

http://www.mapsymbs.com/wdmatrix1.html 🔗

Vassal is a game engine for building and playing online adaptations of board games and card games.

http://www.vassalengine.org/index.php 🔗

Link to many simple training games, icebreakers and creative thinking techniques for workshops and group sessions.

http://thiagi.net/archive/www/games.html 🔗

http://creatingminds.org/tools/tools_ideation.htm 🔗

EXERCISE STRATEGY

Article by this author about pandemic and all-emergency training and exercises.

https://thespinoff.co.nz/society/13-04-2020/how-do-you-prepare-for-a-pandemic/

Free guides and scenarios for tabletop, 'matrix game' discussion exercises, available on my website.

https://simpsonconsulting.online/emergency-exercises/
- in late draft format - contact me for copies

US FEMA Homeland Security Exercise and Evaluation Programme (HSEEP). Useful resources, templates and scenarios.

https://www.fema.gov/emergency-managers/national-preparedness/exercises/hseep

Rand Corporation – Next-Generation Wargaming for the US Marine Corps: Recommended Courses of Action (2019).

https://www.rand.org/pubs/research_reports/RR2227.html

PREPAREDNESS PUBLICATIONS

Australian Journal of Emergency Management.

https://knowledge.aidr.org.au/collections/australian-journal-of-emergency-management/

Australasian Journal of Disaster and Trauma Studies – via Massey University link.

http://trauma.massey.ac.nz/issues/previous.html

International Journal of Disaster Risk Reduction.

https://www.sciencedirect.com/journal/international-journal-of-disaster-risk-reduction

International Journal of Disaster Risk Science.

https://www.springer.com/journal/13753

Journal of Disaster Risk Studies.

https://jamba.org.za/index.php/jamba/issue/archive

RED TEAMING

Red teaming is useful for advanced training & exercises (requires confident participants & a supportive environment.

EXERCISE STRATEGY

PUBLICATIONS

RED TEAM

Useful overview of the concept of red teaming.
https://chiefexecutive.net/to-prepare-for-every-possible-outcome-try-red-teaming/

Websites with insights on the benefits of 'red-teaming'.

https://redteamjournal.com/

https://redteam.guide/

https://grc-usmcu.libguides.com/saw/red-teams

https://www.netsafe.org.nz/advice/scams/

I have *not* included resources relating to cybersecurity/physical penetration ('pen') testing in this Guide, as this is a niche industry closely linked to the wider 'red teaming' concept.

RESEARCH

The CascEff project (2017) was designed to improve understanding of cascading effects in crisis situations to reduce consequences of escalating incidents in complex environments. The site has many useful tools, guides and scenarios:

http://casceff.eu/

FREE ONLINE COURSES

Many courses are free (paid option for some accredited courses).

https://www.khanacademy.org/

https://www.coursera.org/

https://www.edx.org/

https://docs.microsoft.com/en-us/learn/

Lynda.com is a popular online training platform. Lynda has an agreement with most NZ libraries to provide free courses:

https://www.lynda.com/
- **login via your local library for free courses**

A number of NZ tertiary institutions offer free and remote courses.

https://www.training.co.nz/fees-free/

CDC TRAIN is a gateway into the TRAIN Learning Network, the most comprehensive catalog of public health training opportunities with more than 1,000 courses:

https://www.train.org/cdctrain/welcome

RESEARCH

FREE ONLINE COURSES

TOOLS

ADVANCED SEARCH

Overview and tips about how to use custom search terms to optimise Google searches.

https://www.spyfu.com/blog/google-search-operators/ 🔗

Advanced Google & Bing search.

http://advangle.com/ 🔗

Advanced Twitter search.

https://twitter.com/search-advanced 🔗

I have not included tips and tricks for using 'Google Dorks' to bypass sites, as some of these techniques enter a grey legal area of information privacy & security.

ART

Free, open source painting program for vector art. Steep learning curve but a supportive community.

https://krita.org/en/ 🔗

CHARTS

Create interesting charts and visuals online. Free versions allow a limited number of documents.

https://www.lucidchart.com/pages/ 🔗

https://creately.com/ 🔗

https://cacoo.com/ 🔗

https://miro.com/ 🔗

COLOURS

Colour scheme generator – generate custom colour palettes for graphic design and documents.

https://coolors.co/ 🔗

ADVANCED SEARCH

ART

CHARTS

COLOURS

FONTS

Free custom fonts.

*https://fonts.google.com/?
utm_campaign=Recomendo&utm_medium=email&utm_source=Revue+newsletter* 🔗

https://www.1001freefonts.com/ 🔗

IDEA GENERATOR

Generate ideas by looking from different perspectives.

https://diytoolkit.org/tools/fast-idea-generator/ 🔗

IMAGES

A guide to save images from Google Maps and Street View:

*https://keyfindings.blog/2020/07/01/saving-images-
from-google-maps-and-street-view/* 🔗

INTELLIGENCE

Overview and templates of target packs and intelligence profiles for quick intelligence information and analysis. An interesting reference for formatting interesting, compelling information.

http://www.intelligence101.com/intelligence-target-packs/ 🔗

One-page 'Analyst canvas' tool for "anyone working in an analytical or problem solving capacity".

https://i-intelligence.eu/insights/the-analysts-canvas 🔗

MĀORI DICTIONARY

The main reference for common Māori words and terms.

https://maoridictionary.co.nz/ 🔗

Useful shortcuts when using Microsoft Office.

ā = **0101** + Alt 'x'   Ā = 0100 + Alt 'x'
ē = **0113** + Alt 'x'   Ē = 0112 + Alt 'x'
ī = **012b** + Alt 'x'   Ī = 012a + Alt 'x'
ō = **014d** + Alt 'x'   Ō = 014c + Alt 'x'
ū = **016b** + Alt 'x'   Ū = 016a + Alt 'x'

MAPPING

Geographic Information System (GIS) mapping is a specialist discipline that is highly in demand. Mapping can be used to supplement reports and infographics, and many online apps have geolocation that calls for mapping expertise.

During an emergency, services often need to aggregate map layers and data. Many local councils have publicly available GIS maps, but there is limited functionality to add custom layers.

Excel offers a '3D map' tool to allow for data visualisation to layer information on geolocated tours.

https://support.microsoft.com/en-us/office/get-started-with-3d-maps-6b56a50d-3c3e-4a9e-a527-eea62a387030

Mapbox is functional, simple software with a free starting tier, which allows users to build customised maps for other websites or apps. Simple options include custom map formatting, design and location tagging, while more advanced users can add interactivity into maps:

https://www.mapbox.com/

MAPPING SYMBOLOGY

NZ GIS for Emergency Management – a voluntary community of like-minded individuals from the geospatial and emergency management sectors:

https://nzgis4em.com/symbology/

MICROSOFT

Archives NZ (Department of Internal Affairs) – Microsoft 365 guide for public offices & local authorities.

https://archives.govt.nz/manage-information/resources-and-guides/systems/microsoft-365

MAPPING

MAP SYMBOLS

MICROSOFT

NOTETAKING

DIY Planner is a good source of information for planning types, templates and guides, including manual systems such as the index card-based 'Hipster PDA'.

http://diyplanner.com/ 🔗

David Allen's 'Getting Things Done' (GTD) method is a popular technique for notetaking and productivity.

https://gettingthingsdone.com/ 🔗

https://todoist.com/productivity-methods/getting-things-done 🔗

OPEN-SOURCE INTELLIGENCE (OSINT)

OSINT is a specialist field using publicly-available information to support intelligence research. OSINT tools and techniques include social media analysis to determine trends and to find people, as well as analysis and geolocation of images. These tools can be very useful in the field of emergency management.

Although the tools and techniques in the examples below are "open source", inclusion here does not indicate an endorsement of the methods. It is important to understand these tools, their use in the right context, as well as their limitations, legality and potential dangers.

https://www.cjr.org/tow_center_reports/guide-to-osint-and-hostile-communities.php 🔗

List of databases freely (or cheaply) accessible in NZ which are useful for finding information on people/businesses/property.

https://www.osint.rocks/ 🔗

The following sites have OSINT links and resources.

https://osint.co.nz/ 🔗

https://300m.com/osint/ 🔗

https://www.intelligencefusion.co.uk/blog/the-best-open-source-intelligence-osint-tools-and-techniques 🔗

https://www.bellingcat.com/ 🔗

<u>Hundreds</u> of links to online OSINT sources, as well as to many of the other sub-headings found in this document.

https://i-intelligence.eu/uploads/public-documents/OSINT_Handbook_2020.pdf 🔗

PDF CONVERTER

Convert and merge PDFs and other filetypes.

https://pdftoimage.com/ 🔗

https://www.sodapdf.com/pdf-merge/ 🔗

PHOTO EDITING

Mobile app.

https://www.adobe.com/products/photoshop-express.html 🔗

Online editor.

https://pixlr.com/editor/ 🔗

Powerful editor, but the interface can be tricky.

https://www.gimp.org/ 🔗

Image and photo editing software for PCs.

https://www.getpaint.net/index.html 🔗

RESEARCH PAPERS

*I do not support or endorse the use of **Sci-Hub** or similar library websites that provide free access to research papers without regard to copyright or bypassing publishers' paywalls.*

Core – world's largest collection of open access research papers.

https://core.ac.uk/ 🔗

Open knowledge maps – searchable visual interface of research findings.

https://openknowledgemaps.org/ 🔗

PDF

PHOTO EDITING

RESEARCH PAPERS

TOOLS

3D DESIGN

Planning, report-writing and presentations have moved beyond Word and PowerPoint. Training and exercises are moving into the web. The next generation of "serious games", simulations and training platforms is being built in 3D environments, virtual reality (VR) and augmented reality (AR) by an increasing number of hobbyists using free and open-source software.

Blender is a free 3D design software. The software has a steep learning curve but an active and very supportive community. Blender is approaching a tipping point where the system can be used to produce professional-quality 3D, AR and VR.

https://www.blender.org/ 🔗

Unity is a free 2D, 3D, VR and AR gaming engine where you can develop applications via the simple interface and C# scripts. The Unity community is large and supportive. You can also create relatively simple 3D models directly in Unity:

https://unity.com/ 🔗

Unreal Engine is another open-source 3D software application which is free for smaller producers. It has a less active user base but the software is more in line with industry standard:

https://www.unrealengine.com/ 🔗

Sketchup has a (relatively) simple interface for its free version.

https://www.sketchup.com/ 🔗

Reference database of dimensioned drawings documenting the standard measurements and sizes of everyday objects.

https://www.dimensions.com/ 🔗

https://thetruesize.com/ - **true country sizes** 🔗

WRITING GUIDES

White paper writing guide.

https://www.impactonthenet.com/wp-guide.pdf 🔗

3D DESIGN

WRITE

PERSONAL PREPAREDNESS

ASSAULT AND SELF-DEFENCE

NZ Police info and advice about keeping safe, including self defence **(note that the Arms Code states that self-defence is NOT a valid legal reason to possess firearms in NZ).**

https://www.police.govt.nz/advice/personal-community/keeping-safe/out-about#:~:text=%E2%80%9CEveryone%20is%20justified%20in%20using,but%20use%20your%20common%20sense.

https://www.police.govt.nz/advice-services/firearms-and-safety/useful-links

https://www.police.govt.nz/advice-services/firearms-and-safety/firearms-safety/arms-code

Legal opinions on assault and self-defence in NZ.

https://communitylaw.org.nz/community-law-manual/chapter-34-common-crimes/assault/

http://www.nzlii.org/nz/other/nzlc/pp/PP41/PP41-3_.html

https://www.policinglaw.info/country/new-zealand

COMMUNITY AND FAMILY RESILIENCE

Agresearch - research into resilience in rural communities.

https://www.agresearch.co.nz/resilient-rural-communities/our-work/

NZ Society of Local Government Managers - Building Community Resilience report (2016).

https://www.agresearch.co.nz/resilient-rural-communities/our-work/

Civil Defence guides and tools.

https://getthru.govt.nz/how-to-get-ready/

Review of effective fire reduction interventions for Māori whānau & communities (2019).

https://www.fireandemergency.nz/assets/Documents/Files/Report_170_Maori_interventions_evidence-_review.pdf

Rand Corporation publication about the spread of the COVID-19 pandemic during a Hurricane in Virginia, US (2020).

https://www.rand.org/pubs/research_reports/RRA323-2.html

Urban planning for resilience.

https://buildbackbetter.co.nz/publications/ 🔗

Preparecentre.org – International Red Cross publications on a variety of topics.

https://preparecenter.org/resources/ 🔗

Ministry of Social Development (MSD) – publications library on various topics.

https://msd.govt.nz/about-msd-and-our-work/publications-resources/index.html 🔗

DISCIPLINE

2020 has continued the trend towards radical accountability and 'old fashioned' values of hard work and, personal discipline.

David Goggins is an ex- US Navy Seal who is gaining popularity for his philosophy around individual-based leadership and accountability.

https://davidgoggins.com/about/ 🔗

DISCIPLINE

FINANCIAL PREPAREDNESS

General guide to financial resilience.

https://sorted.org.nz/guides/ 🔗

Dave Ramsey remains a popular expert on personal and family financial planning.

https://www.daveramsey.com/blog/what-is-financial-planning 🔗

FINANCE

FIRST AID

Definitive guide.

https://www.stjohn.org.nz/first-aid/ 🔗

1ST AID

FITNESS

Health and fitness is critical to personal resilience, particularly in 2020 where COVID-19 has a disproportionate impact on people with comorbidities such as obesity or breathing issues:

Defense Forces and emergency services fitness requirements.

https://www.defencecareers.mil.nz/defence-careers/how-do-i-join/fitness-standards/ 🔗

https://www.topendsports.com/testing/work/army/new-zealand.htm 🔗
- The SAS requires a G1 test pass as well as "a series of endurance based fitness tests over a four hour period")

https://www.newcops.govt.nz/recruitment-process/health-fitness 🔗

https://www.topendsports.com/testing/work/police/new-zealand.htm 🔗

https://www.fireandemergency.nz/assets/Documents/Jobs-at-FENZ/Becoming-a-paid-firefighter/PPT-Guide-for-candidates.pdf 🔗

Bevan James Eyles is a NZ fitness trainer and coach, and co-host of the endurance racing podcast "IM Talk". He also produces a popular sports psychology show "The Fitness Behaviour Podcast."

https://www.bevanjameseyles.com/podcast 🔗

Breathing techniques and cold acclimation are very popular in the fitness and personal optimisation industry. While there are many benefits to freediving and breath-holding techniques, these methods are inherently dangerous and should only be attempted with professional guidance.

Wim Hof has a cult following and his magnetic personality as well as his interesting philosophies on breathing methods, cold tolerance and mindful living have made him an international star.

https://www.wimhofmethod.com/ 🔗

William Trubridge is a NZ freediving champion who posts inspirational information on his blog and social media accounts.

http://williamtrubridge.com/writings/the-bane-of-natural-ability/ 🔗

While High Intensity Interval Training (HIIT) is very popular, Natural movement training is becoming a popular approach.
A Google search will show many online resources for this, particularly if you search for:

- *Calisthenics or body weight exercise.*
- *Natural movement exercise (especially exercise based outdoors and in natural settings).*
- *Full body conditioning – think mace, kettlebell, sandbag or other functional workouts.*
- *Free Running or Parkour – the free running community seems to be splitting between 'trick' and stunt performers and vloggers, compared to the functional fitness and calisthenics crowd.*

'Yasso 800s', pioneered by Bart Yasso of Runner's World magazine, is a great and eerily accurate way to gauge your marathon preparedness. *Do ten 800m repeats on a 400m track at marathon goal pace, and jog one 400m lap between each effort. The average of your top four repeats in minutes and seconds is a fairly accurate representation of your likely marathon time in hours and minutes.*

https://blog.mapmyrun.com/what-the-heck-do-yasso-800s-and-marathons-have-in-common/ 🔗

https://www.runnersworld.com/author/210883/bart-yasso/ 🔗

HOUSEHOLD AND BUILDINGS

Resilient Communities research programme.

https://resilience.goodhomes.co.nz/ 🔗

Online resource that aims to raise the seismic performance of New Zealand's building stock.

http://www.seismicresilience.org.nz/ 🔗

Homestar is an independent rating tool for assessing the health, efficiency and sustainability of homes across Aotearoa.

https://www.nzgbc.org.nz/homestar 🔗

HOUSEHOLD & BUILDING

LEADERSHIP

Jocko Willink (retired U.S. Navy Seal officer) is one of the main faces of this movement, promoting team-based leadership (and, of course, discipline) and "Extreme Ownership" through his podcast, Echelon Front consultancy, and book series.

https://echelonfront.com/extreme-ownership/ 🔗

Red Cross resource on disaster recovery leadership.

https://www.redcross.org.nz/documents/39/Leading_in_Disaster_Recovery_ A_Companion_Through_the_Chaos.pdf 🔗

Mental health guide for NZ leaders.

https://www.healthandsafety.govt.nz/assets/Documents/A_Mental_Health_Guide_ for_New_Zealand_Leaders.pdf 🔗

Navigating through rough seas: For-purpose board leadership in times of crisis (2020 - also addresses coronavirus).

https://www.jbwere.co.nz/media/fjxbb5xf/early-response-paper_covid19_fpo.pdf 🔗

Video series.

https://www.springboardtrust.org.nz/leading-through-a-crisis-introduction 🔗

US Army Field Manual (unclassified) – Leader Development (2015).

https://armypubs.army.mil/ProductMaps/PubForm/Details.aspx?PUB_ID=83592 🔗

MINDFULNESS AND FLOW

While mindfulness and meditation have been popular areas for some years, the philosophy of 'flow' is now also gaining ground.

https://www.mentalhealth.org.nz/home/our-work/category/21/mindfulness 🔗

A state of 'flow' is one where complex tasks can be accomplished with relative ease, and may be accompanied by a sense of time distortion and positive (even euphoric) emotions and sensations. Proponents say this can occur when individuals or teams are immersed in a business or creative endeavour, as well as the more physical 'flow' experiences of top-tier athletes.

Jamie Wheal and Steven Kotler continue to be well-known proponents of the psychology of 'flow', and Kotler's latest book The Art of Impossible: A Peak Performance Primer has been released in 2021.

https://www.theartofimpossible.com/ 🔗

A problem of the modern world is the fact that we need to consciously practice our concenaration. Mobile apps, alerts, automated search are useful, but they erode our ability to focus and can lead to the "echo chamber" effect when we rely on algorithms to choose what we see and read. Not only that, but they literally change our brain chemistry and lead to a powerful feedback loop.

The following I-Intelligence article is a useful reminder for those in the knowledge management industry. The secondary links about "deep literacy" and "deep smarts" are well worth reading.

https://i-intelligence.eu/insights/three-plans-every-intelligence-analyst-needs-at-the-start-of-the-year 🔗

PERSONAL OPTIMISATION

Over the last year, the entrepreneurship and personal optimisation industry has continued to be dominated by the main 'influencers'. However, the much of their content has
shifted markedly from time management and entrepreneurship to "meaningful living".

https://www.jordanharbinger.com/articles/ 🔗

https://daveasprey.com/blog/ 🔗

Tim Ferris continues to promote optimisation tips and tricks outlined in books such as Tribe of Mentors and Tools of Titans, but – following some extremely personal disclosures by Tim in 2020 – his message has begun to focus more toward psychological resilience.

https://tim.blog/ 🔗

PERSONAL OPTIMISATION

PREPAREDNESS AND HOMESTEADING

'Prepping' has long had a poor reputation, inherited in large part from perceptions of the US 'prepper' culture. However, the COVID-19 crisis and lockdowns in 2020 have seen a resurgence in Depression-era-style cooking, homesteading skills such as sewing, home gardens, and other traditional crafts (not to mention the lockdown kombucha and sourdough craze).

Even in NZ's inflated property market – lifestyle blocks are becoming one of the hottest commodities. The trend is expected to continue, especially with a rise in working-from-home options.

Unfortunately, there is a dearth of detailed, curated resources for lifestyle block owners, although discussion forums on Facebook, bulletin boards and blogs are very supportive.

https://www.reinz.co.nz/rural-lifestyle-property-data

https://www.lifestyleblock.co.nz/forum

https://www.youtube.com/c/SeztheVet/featured

https://www.youtube.com/c/livingbig/featured

The Yates Garden Guide has a wealth of information on growing.

https://www.yates.co.nz/ideas-plans/garden-calendar/seasonal/summer/

Prepper forums are an interesting source for preparedness material, and users are often happy to share detailed information and resources about almost any personal preparedness topic.

http://backpackhack.prepare-now.org/files/
- Gigabyte database of preparedness text and material – login through username <u>backpackhack</u>, password <u>PrepperForums</u> (this login and password is publicly promoted by the database Owner within a popular online Forum).

PREPAREDNESS AND HOMESTEADING

PSYCHOLOGICAL RESILIENCE

Sarb Johal is a NZ psychologist and commentator who has an ongoing blog and vlog series (and new book) about psychological resilience, and has published extensively about COVID-19 .

https://sarbjohal.com/

Resilience-focused articles and publications.

https://nziwr.co.nz/resources-publications/

https://resiliencei.com/resilience-news/

https://www.mentalhealth.org.nz/get-help/a-z/resource/45/post-traumatic-stress-disorder

https://www.redcross.org.nz/first-aid/all-available-courses/mental-health-wellbeing-courses/

https://www.psychology.org.nz/public/community-resources/emergencies-and-trauma

https://www.health.govt.nz/publication/covid-19-psychosocial-and-mental-wellbeing-plan

https://www.civildefence.govt.nz/resources/november-2016-earthquake-recovery/people/psychosocial-response-recovery-and-ongoing-support/

WORKING FROM HOME

COVID-19 has seen an exponential rise in opportunities and support for people working from home.

A Google search will bring up thousands of guides on working from home, and new articles and papers are available daily.

PSYCHOLOGICAL RESILIENCE

WORK FROM HOME

HORIZON SCANNING

BLOCKCHAIN

Blockchain technology – the technology that also drives Bitcoin and other digital currencies – is a paradigm-changer from a digital security perspective. However, the world has not yet seen the impact of a major digital crisis, such as:

- *Consequences, or failure of large-scale Bitcoin/other 'farming'.*
- *State-level attempts to bypass blockchain security, or large, funded efforts to bypass blockchain for international tax*
- *evasion and criminal funds.*
- *Large-scale abuse or failure of blockchain methods to facilitate fraud or to undermine the credibility of international funding, clinical trials, carbon credit systems or voting records.*

While some believe the blockchain ("glorified spreadsheet") hype is excessive, the resilience of many businesses – and potentially economies – could be tested by blockchain innovations, and failures, in the near future.

While some believe the blockchain ("glorified spreadsheet") hype is excessive, the resilience of many businesses – and potentially economies – could be tested by blockchain innovations, and failures, in the near future.

https://thecorrespondent.com/655/blockchain-the-amazing-solution-for-almost-nothing/86649455475-f933fe63 🔗

https://www.eff.org/issues/blockchain 🔗

BLOCKCHAIN

CLIMATE CHANGE

First national climate change risk assessment.

https://www.mfe.govt.nz/climate-change/assessing-climate-change-risk 🔗

NZ Government climate change resources, and sites tracking the government's accountability for climate promises.

https://www.climatecommission.govt.nz/ 🔗

https://www.mfe.govt.nz/climate-change/climate-change-and-government/climate-change-programme 🔗

https://www.royalsociety.org.nz/what-we-do/our-expert-advice/all-expert-advice-papers/climate-change-implications-for-new-zealand/ 🔗

https://niwa.co.nz/climate-change 🔗

https://climateactiontracker.org/countries/new-zealand/ 🔗

NZ Defence assessment on climate change and security (2018).

https://www.nzdf.mil.nz/assets/Publications/NZ-Defence-Assessment-Climate-Change-and-Security-2018.pdf 🔗

COPYRIGHT AND DATA PROTECTION

The topic of online privacy and "surveillance capitalism" is gaining ground in the public eye, through news articles and, recently, Netflix documentaries The Great Hack (2019) and The Social Dilemma (2020).

https://www.imdb.com/title/tt4736550/ 🔗

https://www.imdb.com/title/tt11464826/?ref_=nv_sr_srsg_0 🔗

Cory Doctorow is an influencer specialising in copyright, Digital Rights Management, information security and internet freedom. He explains complex issues in an entertaining, compelling way.

https://craphound.com/category/articles/ 🔗

Doctorow's thoughts on the 'right to repair' movement are also very interesting in the context of emergency preparedness as well as personal rights. Unfortunately, it may take a crisis and loss of life for people to pay attention to this issue.

https://www.eff.org/issues/right-to-repair 🔗

https://www.consumer.org.nz/articles/spare-parts-and-your-right-to-repair#:~:text=In%20the%20US%2C%20the%20burgeoning,to%20consumers%20and%20independent%20repairers. 🔗

https://www.eff.org/deeplinks/2020/03/right-repair-times-pandemic 🔗

DRONES

Rules and tips for piloting drones in NZ.

https://www.aviation.govt.nz/drones/

https://www.airshare.co.nz/rules

FACIAL RECOGNITION

In 2020, the NZ Police released a policy on the testing and trial of emergent technologies – including facial recognition. However, the public, private and commercial use of facial recognition, including face faking and deep fakes, is likely to be an ongoing issue throughout 2021.

https://www.ipca.govt.nz/Site/Outcomes/2019-20-summaries-of-police-investigations/2020-nov-30-use-of-emergent-technologies.aspx

The Law Foundation NZ has produced a paper about the legal and ethical framework for facial recognition technology in NZ.

https://www.lawfoundation.org.nz/?p=11497

Koi Tū – The Centre for Informed Futures (Auckland University) on facial recognition, police and the regulation of new technologies.

https://informedfutures.org/on-facial-recognition-police-and-regulation-of-new-technologies/

Website showing the eerily realistic images of fake people that can be generated by a generative adversarial network (GAN).

https://thispersondoesnotexist.com/

Site creates a detailed 3D facial reconstruction from a single image. Interesting to see how much the technology has advanced over such a short time.

https://cvl-demos.cs.nott.ac.uk/vrn/index.php

How to identify a fake profile picture.

https://nixintel.info/osint/signs-youre-following-a-fake-twitter-account/

PRIVACY AND CIVIL LIBERTIES

Privacy Foundation resources.

https://www.privacyfoundation.nz/resources/ 🔗

https://nzccl.org.nz/content/chairpersons-report-2020 🔗

China's Social Credit System - recent commentators have corrected false information and focused on parallels with (or future directions of) digital privacy in Western countries.

https://www.privacyfoundation.nz/how-the-west-got-chinas-social-credit-system-wrong/ 🔗

https://www.uscc.gov/sites/default/files/2020-12/Chinas_Corporate_Social_Credit_System.pdf 🔗

https://www.visualcapitalist.com/the-game-of-life-visualizing-chinas-social-credit-system/ 🔗

https://www.eff.org/wp/behind-the-one-way-mirror 🔗

RIOT CONTROL, POLICE TACTICS AND PROTEST TACTICS

Red Cross, use of weapons/equipment in law enforcement (2020).

https://www.icrc.org/en/download/file/121972/qa-use_of_force_in_law_enforcement_operations_en-web.pdf 🔗

Overview of current crowd control tools (2017).

http://www.sciencedirect.com/science/article/pii/S0925753516302089 🔗

Research paper on devising and optimising crowd control strategies using agent-based modeling and simulation.

https://ieeexplore.ieee.org/abstract/document/9108875 🔗

Simulating the unique features of unruly crowds (2019).

https://ieeexplore.ieee.org/abstract/document/8536474 🔗

UK Cabinet Office - Understanding Crowd Behaviours.

https://assets.publishing.service.gov.uk/government/uploads/system/uploads/attachment_data/file/192606/understanding_crowd_behaviour-supporting-evidence.pdf 🔗

2003 report, useful information about less than lethal weapons.

https://www.researchgate.net/publication/38141759_Bradford_Non-Lethal_Weapons_Research_Project_BNLWRP_Research_Report_No_4 🔗

One of the fundamental texts for protesting and non-violent organisation is From Dictatorship to Democracy by Gene Sharp.

https://www.aeinstein.org/wp-content/uploads/2013/09/FDTD.pdf 🔗

https://www.aeinstein.org/nonviolentaction/198-methods-of-nonviolent-action/ 🔗

VIRTUAL AND AUGMENTED REALITY IN PREPAREDNESS

Virtual and augmented reality provide many opportunities for the field of resilience, not only for training and simulation exercises but also for 'heads up' and novel interfaces for front-line and Command and Control personnel.

Dawn of the New Everything (2017) is a non-fiction book by Jaron Lanier, the man who some say invented the field of virtual reality. An interesting history, with insights of the industry at the moment and in the near future.

https://www.goodreads.com/book/show/23848323-dawn-of-the-new-everything

VIRTUAL & AUG. REALITY

PATENTS - EXPIRED OR EXPIRING SOON

NZ patents often reveal preparedness gaps and opportunities for products. The following is a selection of relevant patents either recently or soon to be expired.

*Use the **Case Number** via the link below for full information.*

*Remember to check the legal status of the patent before researching or adapting any patent content.*
https://www.iponz.govt.nz/about-ip/patents/search/#jumpto-search-patent-cases0
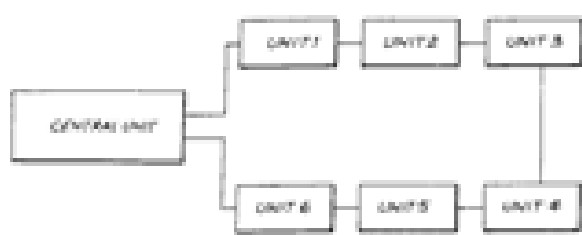
234219, 239665
Communication systems for emergency lighting   31/08/1989 Expired MINITRONICS PTY LIMITED Emergency lighting units each include a transceiver with the transceivers being connected in a loop with a central controller.
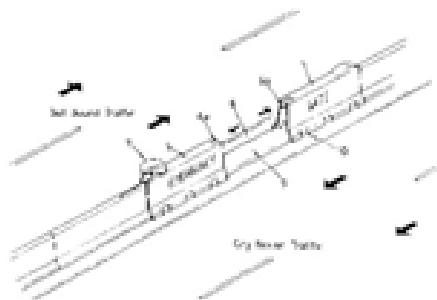
239347
Removable barrier   09/08/1991 Expired Roads Corporation A roadway median barrier [with] sliding sections to open or close a passageway for emergency traffic diversion through the passageway.
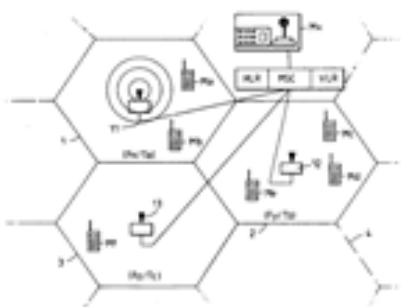

266204
Group call in a cellular radio system 21/05/1993 Expired Senwood Ltd In a cellular radio system the facility is provided for a call to be broadcast from a control centre (for example an emergency service controller), or from any of the mobile units to all of the others.
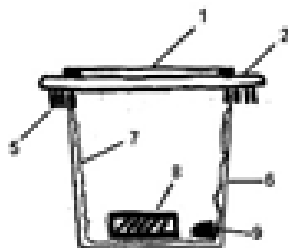
560200

Portable toilet   27/07/2007
Lapsed Woe 2 Go Ltd A
portable toilet for use in an
emergency or disaster
situations is disclosed.

508731

Improvements to means of exiting
structures   08/12/2000 Lapsed Gary
Francis Simmons An exit means for a
structure including a slide, wherein the
slide is formed about a central axis and
around a central vent within the interior of
the structure.
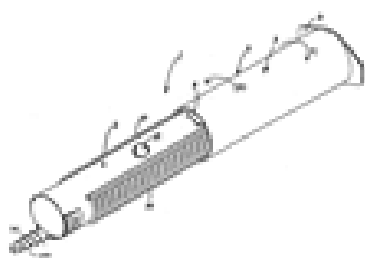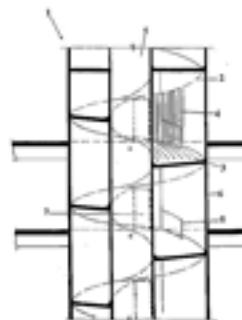
503272

Improved syringe   09/03/2000 Granted
Allan Donald Dawson In order to
provide pre-set pressurization for a
syringe plunger and barrel are
selectively inter-engaged via respective
projections.

507194

An automated maintenance system
 29/08/1996 Expired Riscoveri Ltd A system is
disclosed for assisting an organisation to
implement and maintain compliance
management programmes.
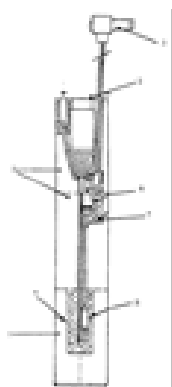
280310

Mobile office rechargeable battery pack   20/10/1995
Lapsed Christopher John Simpson Rechargeable cells
are arranged within a flexible covering and are
electrically interconnected forming a pack having
input power socket and output power plug. At least
one safety device is incorporated to prevent
overcharging.

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DO YOU HAVE ANY SUGGESTIONS?

I would welcome your suggestions about links and content for the next edition of **New Zealand Prepared**.

Please only recommend links that can are FREE and in the public domain.

*With few exceptions, links that require payment or a subscription (including the need for someone to enter personal details and/or an email address before being able to download a resource) will **not** be accepted.*

if you provide commercial services, resources, equipment or training related to Preparedness. I am happy to discuss paid advertising in future versions of New Zealand Prepared. All paid advertising will be clearly labelled as such.

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https://simpsonconsulting.online

Stakeholder engagement | Projects and change management |

Training and exercises | Assessment and evaluation |

Emergency resilience and business continuity | Technical writing