

# **New Zealand's first national adaptation plan**

Table of actions: Addendum 2025



**Te Kāwanatanga o Aotearoa**  
New Zealand Government

This document may be cited as: Ministry for the Environment. 2025. *New Zealand's first national adaptation plan: Table of actions – Addendum 2025*. Wellington: Ministry for the Environment.

**Presented to the House of Representatives pursuant to section 5ZV(b) of the Climate Change Response Act 2002.**

Published in January 2025 by the  
Ministry for the Environment on behalf of the Climate Change Chief Executives Board  
Manatū mō te Taiao  
PO Box 10362, Wellington 6143, New Zealand  
[environment.govt.nz](https://environment.govt.nz)

ISBN: 978-1-991140-65-4

Publication number: ME 1873

© Crown copyright New Zealand 2025

# Contents

Abbreviations	4
National adaptation plan updated table of actions	5
Objectives	6
References to National Climate Change Risk Assessment 2020	7
Enabling better risk-informed decisions (chapter 3)	8
Driving climate-resilient development in the right locations (chapter 4)	20
Adaptation options including managed retreat (chapter 5)	24
Natural environment (chapter 6)	30
Homes, buildings and places (chapter 7)	38
Infrastructure (chapter 8)	40
Communities (chapter 9)	44
Economy and financial system (chapter 10)	49
Implementing the plan (chapter 11)	55
Summary of risks identified in the 2020 NCCRA	56

# Abbreviations

## List of agencies

DIA	Department of Internal Affairs
DOC	Department of Conservation
FMA	Financial Markets Authority
FNZ	Fisheries New Zealand
Health NZ	Te Whatu Ora – Health New Zealand
HUD	Te Tūāpapa Kura Kāinga (Ministry of Housing and Urban Development)
Kāinga Ora	Kāinga Ora – Homes and Communities
LINZ	Toitū Te Whenua Land Information New Zealand
MBIE	Ministry of Business, Innovation and Employment
MCH	Ministry for Culture and Heritage
MFAT	Ministry of Foreign Affairs and Trade
MfE	Ministry for the Environment
MOD	Ministry of Defence
MOE	Ministry of Education
MOH	Manatū Hauora Ministry of Health
MOT	Te Manatū Waka Ministry of Transport
MPI	Ministry for Primary Industries
MSD	Ministry of Social Development
NEMA	National Emergency Management Agency
NHC	Natural Hazards Commission Toka Tū Ake
NZ Customs	New Zealand Customs Service
NZDF	New Zealand Defence Force
NIWA	National Institute of Water and Atmospheric Research
RBNZ	Reserve Bank of New Zealand
Standards NZ	Standards New Zealand
Stats NZ	Statistics New Zealand
Te Waihanga	Te Waihanga New Zealand Infrastructure Commission
TPK	Te Puni Kōkiri – Ministry of Māori Development
Treasury	The Treasury
Waka Kotahi	Waka Kotahi NZ Transport Agency
XRB	External Reporting Board

# National adaptation plan updated table of actions

This addendum to the first national adaptation plan (NAP1) includes a table outlining all NAP1 actions, arranged by chapter. This table is intended to be read as a complete update to the NAP1 table of actions, noting that actions are being delivered in a dynamic environment. It provides an update on progress, including the actions that have been completed since NAP1 was published.

This table also outlines changes to NAP1 actions (where relevant) since NAP1 was published in August 2022. Where no change is marked, the action is unchanged from the 2022 publication. The table also indicates actions that are on hold or have been discontinued as at the time of publication of this addendum. Discontinued actions are a result of changes in direction of government policy or because the action no longer aligns with the Government's priorities.

The table lays out the risks in the 2020 National Climate Change Risk Assessment (NCCRA) that each action is intended to address. A summary of the risks identified in the 2020 NCCRA follows the table of actions.

# Objectives

The Government has identified a series of objectives for addressing the risks identified in the NCCRA 2020. These objectives relate to either:

- system-wide issues
- specific ‘outcome areas’.

The actions in the national adaptation plan are designed to achieve these objectives and many actions will help us achieve more than one objective.

**Table 1: System-wide and outcome-area objectives of the plan**

Area	Code	Objectives
System-wide	SW1	Legislation and institutional arrangements are fit for purpose and provide clear roles and responsibilities
	SW2	Robust information about climate risks and adaptation solutions are accessible to all
	SW3	Tools, guidance and methodologies enhance our ability to adapt
	SW4	Unlocking investment in climate resilience
Natural environment	NE1	Ecosystems which are healthy and connected and where biodiversity is thriving
	NE2	Robust biosecurity reduces the risk of new pests and diseases spreading
	NE3	Support working with nature to build resilience
Homes, buildings and places	HBP1	Homes and buildings are climate resilient and meet social and cultural needs
	HBP2	New and existing places are planned and managed to minimise risks to communities from climate change
	HBP3	Māori connections to whenua and places of cultural value are strengthened through partnerships
	HBP4	Threats to cultural heritage arising from climate change are understood and impacts minimised
Infrastructure	INF1	Reduce the vulnerability of assets exposed to climate change
	INF2	Ensure all new infrastructure is fit for a changing climate
	INF3	Use renewal programmes to improve adaptive capacity
Communities	C1	Enable communities to adapt
	C2	Support vulnerable people and communities
	C3	Support communities when they are disrupted or displaced
	C4	The health sector is prepared and can support vulnerable communities affected by climate change
Economy and financial system	EF1	Sectors, businesses and regional economies can adapt. Participants can identify risks and opportunities and take action
	EF2	A resilient financial system underpins economic stability and growth. Participants can identify, disclose and manage climate risks

Note: SW = system wide; NE = natural environment; HBP = homes, buildings and places; INF = infrastructure; C = communities; EF = economy and financial system.

# References to National Climate Change Risk Assessment 2020

The following tables refer to risks identified in the NCCRA 2020. Those risks fall into the following domains:

- natural (N)
- human (H)
- economy (E)
- built (B)
- governance (G).

More detail on those risks can be found in appendix 2 of the [national adaptation plan](#).

# Enabling better risk-informed decisions (chapter 3)

## Completed actions

Objective	Title	Lead agency	Relevant portfolio	NCCRA risks addressed	Status	Timeframe	Implementation progress expected by	Changes
SW2	3.1 Provide access to the latest climate projections data	NIWA	Climate Change	G1, G3, G6	Completed	Years 1–2 (2022–24)	<ul style="list-style-type: none"> <li>By January 2023, national climate projection datasets for Aotearoa are being produced.</li> <li>By 2024, the projections data are made available and deliver a product that enables end-users to appropriately measure climate change risk.</li> </ul>	
SW2	3.2 Design and develop risk and resilience and climate adaptation information portals	NHC Toka Tū Ake; MfE	Climate Change; NHC Toka Tū Ake	G1, G2, G3, G4, G5, G6	Completed	Years 1–6 (2022–28)	<ul style="list-style-type: none"> <li>By the end of 2022, phase one of the Natural Hazards Commission Toka Tū Ake portal is delivered.</li> <li>By the end of 2023, a design scope and delivery plan for the adaptation information component is complete and user needs defined.</li> <li>Further implementation measures depend on the agreed delivery plan.</li> </ul>	
SW3	3.7.4 Produce guidance on using different socio-economic scenarios for adaptation planning	MfE	Climate Change	G1, G3	Completed	Years 1–2 (2022–24)	<ul style="list-style-type: none"> <li>By end of 2024, the guidance is published.</li> </ul>	
SW2	3.9 Complete the Data Investment Plan project	Stats NZ	Statistics	G1	Completed	Years 1–6 (2022–28)	<ul style="list-style-type: none"> <li>By 2024, Cabinet endorses the Data Investment Plan, which is a prioritised plan to guide investment in data over the next 10 years. Enhanced and standardised climate change data is</li> </ul>	



Objective	Title	Lead agency	Relevant portfolio	NCCRA risks addressed	Status	Timeframe	Implementation progress expected by	Changes
							<p>one of the 30 prioritised investment opportunities identified in the plan. The provisional investment pipeline includes climate change data in years 1–3.</p> <ul style="list-style-type: none"> <li>By 2026, subject to Cabinet decisions, the Data Investment Plan priority data sets are delivered, including observational climate data.</li> </ul>	
NE1	<b>3.13 Provide a forestry planning and advisory service</b>	MPI	Forestry	N3, N11, H5	Completed	Years 1–6 (2022–28)	<ul style="list-style-type: none"> <li>By June 2023, planning and advice functions are agreed.</li> <li>By 2026, the research required to model and map data insights for woody biomass planning is complete. A network of regional advisors is established to support nurseries to increase the rate of native seedling supplies at a lower cost. There is a fully established network of regional advisors to support local government authorities and landowners.</li> <li>After 2028, operational funding will continue. There are no major implementation milestones after 2026.</li> </ul>	
EF1	<b>3.15 Design and implement the Farm Monitoring Programme</b>	MPI	Agriculture	E3, G5	Completed	Years 1–2 (2022–24)	<ul style="list-style-type: none"> <li>By the end of 2023, the distribution of greenhouse gas emissions within and across sectors is understood and the impacts of reducing greenhouse gas emissions on farms is determined.</li> </ul>	
EF2	<b>3.16 Improve consumer understanding of property insurance pricing and risks</b>	Treasury	Finance	E6	Completed	Year 1 (2022/23)	<ul style="list-style-type: none"> <li>By end of 2022, the information to improve consumer understanding of property insurance (in English) is published.</li> </ul>	

## Active actions

Objective	Title	Lead agency	Relevant portfolio	NCCRA risks addressed	Status	Timeframe	Implementation progress expected by	Changes
SW1	<b>3.3 Establish a platform for Māori climate action</b>	MfE	Climate Change	G4	Active	Years 1–3 (2022–25)	<ul style="list-style-type: none"> <li>By March 2025, the Ministry for the Environment confirms its approach to funding Māori climate action under the Māori Climate Platform.</li> <li>By end 2025, funding for Māori Climate Action under the Māori Climate Platform has been delivered.</li> </ul>	Timeframes updated. Implementation progress updated.
C1	<b>3.4 Raise awareness of climate hazards and how to prepare</b>	NEMA	Emergency Management	G6	Active	Years 1–6 (2022–28)	<ul style="list-style-type: none"> <li>By 2026, work is progressing on the Government’s response to the North Island Severe Weather Event Inquiry, <i>strengthening disaster resilience and emergency management</i> focus area one action item one - develop and invest in a comprehensive and ongoing national public readiness programme to protect lives, prevent injuries and trauma, and reduce the burden on response and recovery efforts.</li> <li>By 2028, there is a significant increase in people across all demographics taking action to prepare for extreme weather.</li> </ul>	Implementation progress updated.
EF2	<b>3.5 Support high-quality implementation of climate-related disclosures and explore expansion</b>	MfE and MBIE, supported by the XRB and FMA	Climate Change; Commerce and Consumer Affairs	G2, G3, G8, E2	Active	Years 1–6 (2022–28)	<ul style="list-style-type: none"> <li>By 2024, the Government has decided whether to extend mandatory climate-related disclosure requirements to public entities.</li> <li>Further implementation measures depend on Cabinet decisions in 2024 about whether to extend mandatory climate-related disclosure requirements to public entities.</li> </ul>	

Objective	Title	Lead agency	Relevant portfolio	NCCRA risks addressed	Status	Timeframe	Implementation progress expected by	Changes
C1	3.6 Improve natural hazard information on Land Information Memoranda	DIA	Local Government	G3, B2	Active	Years 1–4 (2022–26)	<ul style="list-style-type: none"> <li>By end of 2023, legislative changes are likely have been made to the Local Government Official Information and Meetings Act 1987 to provide for improved natural hazard disclosure in Land Information Memoranda (LIMs).</li> <li>By 2026, implementation of legislative requirements for improved natural hazard disclosure in LIMs is completed.</li> </ul>	
SW3	3.7 Deliver a rolling programme of targeted adaptation guidance							
SW3	3.7.1 Promote the use of the New Zealand Climate Change Projections guidance	MfE	Climate Change	G1	Active	Years 1–2 (2022–24)	<ul style="list-style-type: none"> <li>Guidance is published in 2022.</li> <li>By 2024, the document has been, or is soon to be, updated due to work on latest Intergovernmental Panel on Climate Change projections.</li> </ul>	
SW3	3.7.5 Regularly update adaptation guidance for local government	MfE	Climate Change	G1, G3, G8	Active	Years 1–4 (2022–26)	<ul style="list-style-type: none"> <li>Annual review of guidance updates needed to be reported to the interdepartmental executive board.</li> </ul>	
SW3	3.7.6 Produce guidance on integrating mātauranga Māori into adaptive planning and working with mana whenua	MfE	Climate Change	G4	Not started	Years 3–4 (2025–26)	<ul style="list-style-type: none"> <li>By end of 2026, the guidance is published.</li> </ul>	

NCCRA								
Objective	Title	Lead agency	Relevant portfolio	risks addressed	Status	Timeframe	Implementation progress expected by	Changes
SW3	3.7.9 Produce a package of guidance, standards, and/or methodologies to support the implementation of the adaptation framework	MfE	Climate Change	G1, G2, G3	Not started	Years 2–6	<ul style="list-style-type: none"> <li>The package of guidance, standards, and methodologies to support the implementation of the adaptation framework will be developed from 2025 onwards. Implementation progress to be updated via six-monthly reporting to the CCIEB.</li> </ul>	New action added.
INF1	3.8 Develop guidance for assessing risk and impact on physical assets and the services they provide	Te Waihangā New Zealand Infrastructure Commission	Infrastructure	H1, H2, H3, E1, E6, E7, B1, B2, B3, B4, B5, B6, B7, B8, G1, G3, G5, G6, G8	Active	Years 2–3 (2023–24)	<ul style="list-style-type: none"> <li>By 2024, the guidance is drafted and available for stakeholder feedback.</li> <li>By 2026, the guidance is published.</li> </ul>	
C2	3.10 Assess socio-economic and climate vulnerability for Māori	TPK	Māori Development	H2	Active	Year 1 (2022/23)	<ul style="list-style-type: none"> <li>By December 2022, a scope for this work is completed. This enables more specific indicators to be developed.</li> <li>By March 2024, insights are developed on intersecting Māori climate and socio-economic vulnerability, and a plan is in place for these to be shared.</li> <li>By March 2026, insights from this work are shared within TPK and with other relevant agencies.</li> </ul>	

NCCRA								
Objective	Title	Lead agency	Relevant portfolio	risks addressed	Status	Timeframe	Implementation progress expected by	Changes
SW1	<b>3.11 Implement the National Disaster Resilience Strategy</b>	NEMA	Emergency Management	G2, G6	Active	Years 1–6 (2022–28)	<ul style="list-style-type: none"> <li>By 2024, NEMA is giving effect to the National Disaster Resilience Strategy (NDRS) throughout its work programme.</li> <li>By 2026, the emergency management system is maturing, and outcomes are improving for communities through delivery of initiatives under the NDRS.</li> <li>By 2028, outcomes from the NDRS and new opportunities arising from it, are considered in the development of the 2029 strategy.</li> </ul>	Implementation progress updated.
SW2	<b>3.12 Improve how science, data and knowledge are used to inform emergency management</b>	NEMA	Emergency Management	G1, G6	Active	Years 1–6 (2022–28)	<ul style="list-style-type: none"> <li>By 2024, science, data and knowledge of natural hazards and risks, including their inter-relationships with climate, are increasingly shared across all parts of the emergency management system.</li> <li>By 2026, NEMA is strongly engaged and influential within the research and science sector in priority-setting and relationship stewardship, to ensure the necessary research is being done, data and knowledge are available, and structures are in place for two-way sharing.</li> <li>By 2028, Aotearoa is highly engaged nationally and internationally in Sendai Framework discussions and implementation.</li> </ul>	Implementation progress updated.
NE1	<b>3.14 Deliver the Integrated Farm Planning Programme</b>	MPI	Agriculture	E3, N2, N7, H3, H5, H6, H7, G5	On hold	Years 1– 3 (2022–25)	<ul style="list-style-type: none"> <li>By 2024, regulatory farm planning requirements and freshwater and greenhouse gas farm plans are developed and implementation is underway. A biodiversity module is developed</li> </ul>	

Objective	Title	Lead agency	Relevant portfolio	NCCRA risks addressed	Status	Timeframe	Implementation progress expected by	Changes
							<p>and incorporated into the Integrated Farm Planning Programme framework. An adverse events and resilience planning module is developed.</p> <ul style="list-style-type: none"> <li>By 2026, a regulatory system/framework is finalised and fully implemented, and all completed Integrated Farm Planning Programme modules are incorporated into industry planning initiatives, including industry assurance programmes.</li> </ul>	
INF3	<b>3.17 Support and promote the integration of climate adaptation and mitigation in new and revised standards commissioned by third parties</b>	Standards NZ	Infrastructure	H3, E1, E7, B1, B2, B3, B4, B5, B6, B7, B8, G6	Active	Years 2–6 (2023–28)	<ul style="list-style-type: none"> <li>From 2023, work begins on sharing and promoting relevant information to committees that are commissioned to develop relevant, fully supported standards.</li> <li>By 2026, work continues on providing information and tools to committees, which are developing relevant standards as needed.</li> <li>By 2028, work continues to provide committees with information on adaptation and climate change for relevant standards as needed.</li> </ul>	
INF3	<b>3.18 Review electricity and gas networks' management of climate risk and resilience</b>	Commerce Commission	Commerce and Consumer Affairs	H1, H2, H3, H4, E1, E4, E6, E7, B1, B2, B4, B5, B7, B8, G1, G2, G3, G5, G6	Active	Years 1–6 (2022–28)	<ul style="list-style-type: none"> <li>By 2024, amendments are made to disclosure requirements for electricity distributors' asset management plans.</li> <li>By 2026, aspects of regulated electricity and gas networks' asset management plans are reviewed periodically.</li> </ul>	

NCCRA								
Objective	Title	Lead agency	Relevant portfolio	risks addressed	Status	Timeframe	Implementation progress expected by	Changes
EF1	<b>3.20 Continue prioritising research and investment in climate-related science</b>	MBIE	Research, Science and Innovation	H5, H6, E3, E4, E5,	On hold	Years 1–6 (2022–28)	<ul style="list-style-type: none"> <li>By 2024, research priorities continue to be aligned with climate-related science in line with Cabinet decisions about Te Ara Paerangi – Future Pathways programme (action 3.19).</li> <li>Further implementation measures depend on Cabinet 2024 decisions for the direction of travel for Te Ara Paerangi – Future Pathways programme.</li> </ul>	
NE1	<b>3.21 Develop mātauranga Māori indicators of climate impacts on the natural environment</b>	MfE	Environment	N11, E3	Not started	Years 1–2 (2022–24)	<ul style="list-style-type: none"> <li>By 2024, phase two of the Māori Climate Action Platform is developed.</li> </ul>	
HBP1	<b>3.22 Work with community housing providers to enable effective climate hazard response</b>	HUD	Public Housing	B2, H1, H2, H5, G1, G5	Not started	Years 2–4 (2023–26)	<ul style="list-style-type: none"> <li>By the end of 2024, engagement with community housing providers is completed. Exposure of community housing to climate-related hazards is known and any gaps are identified. What community housing providers need in order to respond to climate-related hazards is well understood.</li> <li>By 2026, data and information on exposure of community housing providers to climate risks are being used to understand what is needed to better support adaptation. Strategies for emergency management and long-term adaptation are being supported and implemented.</li> </ul>	

Objective	Title	Lead agency	Relevant portfolio	NCCRA risks addressed	Status	Timeframe	Implementation progress expected by	Changes
SW2	3.23 Develop 3D coastal mapping	LINZ	Land Information	G1, N1	Active	Years 1–6 (2022–28)	<ul style="list-style-type: none"> <li>By 2024, a business case for 3D mapping is developed and approved.</li> <li>By 2025, an implementation plan is prepared and a stocktake of existing land and marine LIDAR is completed.</li> <li>By 2026, latest technology for data capture and trial is investigated; a data-capture programme (specification, procurement and contract) is developed; a data-capture programme is started; data deliverables and quality assurance are processed; development of tools to integrate land and sea datasets is started.</li> <li>By 2028, a data-capture programme is completed and integrated land and sea datasets and products are published.</li> </ul>	
SW2	3.24 Produce new tools and guidance specific to mātauranga Māori and mātauranga indicators	MfE	Climate Change	G1, G4	Not started	Years 3–4 (2024–26)	<ul style="list-style-type: none"> <li>By March 2026, new tools and guidance are published.</li> </ul>	
HBP1	3.25 Design methodology for risk assessments of public buildings	MBIE	Building and Construction	B2, G1, G5, E1, E6	On hold	Years 3–4 (2024–26)	<ul style="list-style-type: none"> <li>By 2026, property-level research is complete to inform risks to public buildings. The risk assessment for public buildings is developed and ready for use by the public sector.</li> </ul>	



NCCRA								
Objective	Title	Lead agency	Relevant portfolio	risks addressed	Status	Timeframe	Implementation progress expected by	Changes
HBP4	3.26 Produce guidance for disaster risk management for cultural heritage	MCH	Culture and Heritage	H8	Active	Years 2–5 (2023–27)	<ul style="list-style-type: none"> <li>By 2024, project is scoped and, if resourced, current knowledge of disaster risk management in relation to cultural heritage is captured and key stakeholders are identified and engaged with.</li> <li>By 2026, policy work is underway. Key guidance material/activities are identified, and work commissioned.</li> <li>Initial guidance is published in 2027.</li> </ul>	
HBP4	3.27 Develop a framework for assessing exposure and vulnerability of taonga/cultural assets to climate change	MCH	Culture and Heritage	H8	Active	Years 1–4 (2022–26)	<ul style="list-style-type: none"> <li>By 2024, project is scoped and, if resourced, relevant partners (including iwi/Māori and relevant agencies across the national adaptation plan) identified. Research on how to identify taonga/cultural heritage at risk from climate change at a national and local level is underway.</li> <li>By 2026, subject to funding, a framework is developed and being used to collate information on impacts on cultural assets/taonga from climate change.</li> </ul>	
C4	3.28 Assess healthcare service resilience	Health New Zealand	Health	H3, H7, E7, G5	Active	Years 1–4 (2022–26)	<ul style="list-style-type: none"> <li>By the end of 2025, guidance material is provided for the sector and a set of recommendations produced for Health NZ.</li> <li>By the end of 2026, a climate resilience plan is in place.</li> </ul>	Timeframe updated. Implementation progress updated.

Objective	Title	Lead agency	Relevant portfolio	NCCRA risks addressed	Status	Timeframe	Implementation progress expected by	Changes
SW2	3.29 Produce an adaptation professional development programme for key audiences	MfE	Climate Change	G1, G3	Active	Years 4–5 (2025–27)	<ul style="list-style-type: none"> <li>By end of 2027, professional development programme is published.</li> </ul>	

## Discontinued actions

Objective	Title	Lead agency	Relevant portfolio	NCCRA risks addressed	Status	Timeframe	Implementation progress expected by	Changes
SW3	3.7.2 Produce adaptation guidance for central government policy makers	MfE	Climate Change	G1, G3	Discontinued	Years 1–2 (2022–24)	<ul style="list-style-type: none"> <li>Guidance is published in 2022.</li> </ul>	Discontinued.
SW3	3.7.3 Produce guidance for dynamic adaptive pathways planning (DAPP)	MfE	Climate Change	G1, G2, G3	Discontinued	Years 1–2 (2022–24)	<ul style="list-style-type: none"> <li>By end of 2024, the guidance is published.</li> </ul>	Discontinued.

Objective	Title	Lead agency	Relevant portfolio	NCCRA risks addressed	Status	Timeframe	Implementation progress expected by	Changes
SW3	3.7.7 Produce guidance for preparing adaptation plans	MfE	Climate Change	G1, G2, G3	Discontinued	Years 1–4 (2022–26)	<ul style="list-style-type: none"> <li>By end of 2023, a scope for the delivery plan is completed.</li> <li>By end of 2026, the guidance is published.</li> </ul>	Discontinued.
SW3	3.7.8 Regularly update the guide to local climate change risk assessments	MfE	Climate Change	G3	Discontinued	Year 5–6 (2027–28)	<ul style="list-style-type: none"> <li>By end of 2028, the guidance is published.</li> </ul>	Discontinued.
SW2	3.19 Develop Te Ara Paerangi – Future Pathways programme for the research, science and innovation system	MBIE	Research, Science and Innovation	G2, G5	Discontinued	Years 1–6 (2022–28)	<ul style="list-style-type: none"> <li>By mid-2024, Cabinet agrees the direction of travel for Te Ara Paerangi – Future Pathways programme.</li> <li>Further implementation measures are dependent on Cabinet decisions.</li> </ul>	

# Driving climate-resilient development in the right locations (chapter 4)

## Completed actions

Objective	Title	Lead agency	Relevant portfolio	NCCRA risks addressed	Status	Timeframe	Implementation progress expected by	Changes
INF2	4.6 Integrate adaptation into Treasury advice on infrastructure	Treasury	Infrastructure	N1, N2, N3, N4, N6, H1, H2, H3, E1, E6, E7, B1, B2, B3, B6, G1, G2, G3, G6, G7, G8	Complete	Years 1–5 (2022–27)	<ul style="list-style-type: none"> <li>By 2024, advice on the best way forward, and any associated budget bid or Cabinet decisions, is completed and future implementation measures defined.</li> <li>By 2026, initiatives to integrate adaptation into decision-making processes will be developed and implemented.</li> </ul>	Marked as completed. Action name updated.

## Active actions

Objective	Title	Lead agency	Relevant portfolio	NCCRA risks addressed	Status	Timeframe	Implementation progress expected by	Changes
SW1	4.1 Reform the resource management system	MfE	RMA Reform	G1, G2, G3, G4, G8, B3, E1, E6, N1	Active	Years 1 – 4 (2022 – 2026)	<ul style="list-style-type: none"> <li>New replacement Resource Management legislation passed into law in mid-2026.</li> </ul>	Timeframe updated. Relevant portfolio updated. Implementation progress updated.
SW1	4.2 Set national direction on natural hazard risk management through the Resource Management Reform Phase 2 National Direction package	MfE	Environment/ Climate Change	B1, B2, B3, B4, B5, B6, B7, B8, G1, G2, E1, E6, H1, H2, H3, H4, H8	Active	Years 1–4 (2022–26)	<ul style="list-style-type: none"> <li>In mid-2025, the Government is expecting the Resource Management Reform Phase 2 National Direction package to be gazetted.</li> </ul>	Action name updated. Relevant portfolio updated. Risks updated. Timeframe updated. Implementation progress updated.
HBP1	4.3 Establish an initiative for resilient public housing	Kāinga Ora	Housing	B2, H2, G5	Active	Years 1–2 (2022–24)	<ul style="list-style-type: none"> <li>By 2024, a decision-making framework is in use to determine adaptation actions for both new and existing assets.</li> </ul>	
HBP1 and HBP2	4.4 Embed adaptation in funding models for housing and urban development, including Māori housing	HUD	Housing	B2, H2, H5, E1, E6	Not started	Years 1–4 (2022–26)	<ul style="list-style-type: none"> <li>By 2024, HUD has begun reviewing funding programmes it administers and amending them to appropriately consider climate-related risk.</li> <li>By the end of 2026, HUD is on track to finish the review of the funding programmes it administers.</li> </ul>	

Objective	Title	Lead agency	Relevant portfolio	NCCRA risks addressed	Status	Timeframe	Implementation progress expected by	Changes
							<ul style="list-style-type: none"> <li>By 2028, HUD has reviewed the funding programmes it administers and amended them to appropriately consider climate-related risks. Gaps have been identified and new funding programmes created, if appropriate.</li> </ul>	
<b>INF3</b>	<b>4.7 Integrate adaptation into NZ Transport Agency Waka Kotahi decision making</b>	NZ Transport Agency Waka Kotahi; MOT	Transport	H1, H2, E1, E4, E6, E7, B5, B6, G1, G6	Active	Years 1–6 (2022–28)	<ul style="list-style-type: none"> <li>By 2024, NZ Transport Agency Waka Kotahi integrates adaptation into planning, investment and decision making for the National Land Transport Programme.</li> <li>By 2026, NZ Transport Agency Waka Kotahi starts to integrate adaptation into NZ Transport Agency Waka Kotahi decision making and updates the Investment Decision Making Framework (IDMF).</li> <li>By 2028, NZ Transport Agency Waka Kotahi continues to integrate adaptation into NZ Transport Agency Waka Kotahi decision making and updates the IDMF as required.</li> </ul>	

Objective	Title	Lead agency	Relevant portfolio	NCCRA risks addressed	Status	Timeframe	Implementation progress expected by	Changes
NE1	4.8 Amend the Environmental Reporting Act 2015 to allow better measurement of environmental change	MfE	Environment	G1	Active	Years 1–2 (2022–24)	<ul style="list-style-type: none"> <li>By 2024, the Environmental Reporting Act 2015 is amended and the changes implemented.</li> </ul>	
SW1	4.9 Enable adoption of new water services delivery models, better access to financing tools and economic and quality regulation of water services.	DIA	Local Government	B1, B4	Active	Years 2–6 (2024–28)	<ul style="list-style-type: none"> <li>By 2025, legislation will be enacted to support councils to adopt financially sustainable water services delivery arrangements.</li> </ul>	New action.

## Discontinued actions

Objective	Title	Lead agency	Relevant portfolio	NCCRA risks addressed	Status	Timeframe	Implementation progress expected by	Changes
SW1	4.5 Reform institutional arrangements for water services	DIA	Local Government	B1, B4	Discontinued	Years 1–2 (2022–24)	<ul style="list-style-type: none"> <li>By 2024, legislation to establish water services entities is enacted (to enable them to become operational from 1 July 2024).</li> </ul>	

# Adaptation options including managed retreat (chapter 5)

## Completed actions

Objective	Title	Lead agency	Relevant portfolio	NCCRA risks addressed	Status	Timeframe	Implementation progress expected by	Changes
EF2	5.4 Develop options for home flood insurance	Treasury	Finance; NHC Toka Tū Ake	E6	Completed	Years 1–2 (2022–23)	<ul style="list-style-type: none"> <li>By the end of 2022, the Government has received advice on flood insurance options and agreed to next steps.</li> <li>Further implementation measures will depend on the Government’s decisions on options.</li> </ul>	
SW4	5.5 Publish the programme of work on how Aotearoa meets the costs of climate change and invests in resilience	MfE; Treasury	Climate Change; Finance	E1, E2	Completed	Year 1 (2022)	<ul style="list-style-type: none"> <li>By the end of 2022, a dedicated web page is established to provide an update in one place on the range of work progressing across Government.</li> </ul>	
INF1	5.12 Explore funding options to support the investigation and remediation of contaminated sites and landfills vulnerable to the effects of climate change	MfE	Environment	B3, G2	Completed	Year 3 (2024)	<ul style="list-style-type: none"> <li>In CAB-24-MIN-0138 on 29 April 2024, Cabinet agreed to amend the Waste Minimisation Act (2008) to enable the Minister for the Environment to approve funding of projects to achieve remediation of contaminated sites, including landfills vulnerable to the impacts of severe weather, using the waste disposal levy. This will be done through the Contaminated Sites and Vulnerable Landfills Fund.</li> </ul>	<p>Marked as completed.</p> <p>Risks updated.</p> <p>Timeframe updated.</p> <p>Implementation progress updated.</p>



Objective	Title	Lead agency	Relevant portfolio	NCCRA risks addressed	Status	Timeframe	Implementation progress expected by	Changes
SW3	5.15 Public investment in climate change initiatives	Treasury	Finance	E1	Completed	Years 1–6 (2022–28)	<ul style="list-style-type: none"> <li>In 2022, the Government has received advice and taken a decision on updating the criteria of the Climate Emergency Response Fund to include adaptation measures.</li> </ul>	

## Active actions

Objective	Title	Lead agency	Relevant portfolio	NCCRA risks addressed	Status	Timeframe	Implementation progress expected by	Changes
SW1	5.1 Pass legislation to establish clear guiding principles and responsibilities for adaptation action	MfE	Climate Change	E1, E6, G1, G2, G8, B3, N1	Active	Years 2-6 (2024–28)	<ul style="list-style-type: none"> <li>By the end of 2025, the Government is expecting to introduce the Adaptation Bill, setting out the adaptation framework.</li> <li>By 2026, legislation is in force.</li> </ul>	Action name updated. Timeframe updated. Implementation progress updated.
SW2	5.3 Complete case study to explore co-investment for flood resilience	DIA	Local Government	E1, G2, G3, H1	Active	Year 1 (2022)	<ul style="list-style-type: none"> <li>In June 2022, ministers will receive a strategic business case from Buller District Council and West Coast Regional Council on a package of flood resilience options to reduce flood risk in Westport.</li> </ul>	

Objective	Title	Lead agency	Relevant portfolio	NCCRA risks addressed	Status	Timeframe	Implementation progress expected by	Changes
HBP1	<b>5.7 Reduce and manage the impacts of climate hazards on homes and buildings</b>	HUD; MBIE	Housing; Building and Construction	B2, H2, H3, G1	On hold	Years 1–4 (2022–26)	<ul style="list-style-type: none"> <li>By 2024, initial research stages are scoped, funded and are underway. Sufficient data is available to inform the development of an assessment framework in years 3–4 (2024–26).</li> <li>By 2024, existing adaptation information is collated and made publicly available.</li> <li>By 2026, research is complete. Aotearoa New Zealand’s future climate hazards and how they will impact on building typologies is understood. Property assessment framework and guidance are on track to be published at the end of 2026.</li> <li>By 2028, property assessment framework and guidance are complete and ready for use.</li> </ul>	
HBP3 and HBP4	<b>5.8 Support kaitiaki communities to adapt and conserve taonga/cultural assets</b>	MCH	Culture and Heritage	H5	Active	Years 1–6 (2022–28)	<ul style="list-style-type: none"> <li>By March 2024, the Ministry of Culture and Heritage has started working with relevant partners on how it might improve support and access to information on cultural assets to assist kaitiaki to self-determine adaptation pathways.</li> <li>By March 2026, information is shared, as appropriate, and, subject to further decisions, policy work to enable continued support and/or address gaps is underway.</li> <li>By March 2028, policy work is completed and future funding and/or resourcing is identified.</li> </ul>	

Objective	Title	Lead agency	Relevant portfolio	NCCRA risks addressed	Status	Timeframe	Implementation progress expected by	Changes
NE3	5.9 Prioritise nature-based solutions	DOC; MfE	Conservation; Environment	N1, N3, N4, N7, N11, H1, H3, H5, H6, H7, H8, E1, E3, E4, E7, B1, B2, B4, B5, B6, G1, G2, G3, G4, G5	On-hold	Years 1–6 (2022–28)	<ul style="list-style-type: none"> <li>By 2024, a framework is developed, prioritising of nature-based solutions in regulations and planning is underway and future implementation measures are confirmed.</li> </ul>	
INF3	5.10 Develop and implement the Transpower Adaptation Plan	Transpower	Energy and Resources	B8, E4, E7	Active	Year 1–5 (2022–27)	<ul style="list-style-type: none"> <li>By 2024, progress towards developing the Transpower Adaptation Plan is demonstrated.</li> <li>By June 2026, the Transpower Adaptation Plan is published.</li> </ul>	
INF1	5.11 Encourage and support the evaluation of climate risks to landfills and contaminated sites	MfE	Environment	B3, G5	Active	Years 1–3 (2022–25)	<ul style="list-style-type: none"> <li>By 2025, MfE has provided resources to support regional councils and unitary authorities to undertake an assessment of landfills that are vulnerable to the effects of climate change in their regions.</li> </ul>	<p>Risks updated. Timeframes updated. Implementation progress updated.</p>
C3	5.13 Connect communities to wider response and recovery support	NEMA	Emergency Management	G6	Active	Years 3–6 (2024–28)	<ul style="list-style-type: none"> <li>By 2026, the new National Emergency Management legislation is enacted, and work is progressing on the Government’s response to the North Island Severe Weather Event Inquiry, <i>strengthening disaster resilience and emergency management</i> focus area one – give effect to the whole of society approach to emergency management.</li> <li>By 2028, actions under focus area one of <i>strengthening disaster resilience and emergency management</i> are completed.</li> </ul>	<p>Timeframes updated. Implementation progress updated.</p>

Objective	Title	Lead agency	Relevant portfolio	NCCRA risks addressed	Status	Timeframe	Implementation progress expected by	Changes
SW2	5.14 Support the development of definitional tools to encourage greater investment in 'green' projects	MfE	Climate Change	E1, E2, G1, G2, G5	Active	Years 1–3 (2022–25)	<ul style="list-style-type: none"> <li>By 2024, definitional tools for Aotearoa are determined and applied through a collaborative approach with industry, academia, iwi/Māori and the scientific community. This involves exploring alignment with international best practice and its applicability in Aotearoa.</li> </ul>	
HBP2	5.16 Identify options to increase the integration of nature-based solutions into urban form	HUD	Housing	H3, H5, H7, H8, E1, B1, B2, B4, B6, G1, G2	On hold	Years 1–2 (2022–24)	<ul style="list-style-type: none"> <li>By the end of 2023, the project has been scoped and funded and is underway. The literature review is complete and use of mātauranga Māori is well understood.</li> <li>Strategies and options to better integrate nature-based solutions and uplift mātauranga Māori in our urban environments are identified, supported by robust data, and on track to be finished by 2024.</li> </ul>	

## Discontinued actions

Objective	Title	Lead agency	Relevant portfolio	NCCRA risks addressed	Status	Timeframe	Implementation progress expected by	Changes
SW1	5.2 The future for local government review	DIA	Local Government	E1, G2	Discontinued	Year 1 (2022/23)	<ul style="list-style-type: none"> <li>In mid-2023, the Local Government Review Panel provides the Minister of Local Government with its final report and recommendations for improving the local governance system. Following this, the Government will decide how to respond to the Review's recommendations.</li> </ul>	

Objective	Title	Lead agency	Relevant portfolio	NCCRA risks addressed	Status	Timeframe	Implementation progress expected by	Changes
INF3	5.6 Scope enforceable minimum resilience requirements for critical infrastructure	DPMC (Critical Infrastructure Resilience Unit)	Infrastructure	H3, E1, E7, B1, B2, B3, B4, B5, B6, B7, B8, G2	Discontinued	Years 2-5 (2023–25)	<ul style="list-style-type: none"> <li>Development of options by mid-2024.</li> <li>Consultation on options proposed by early 2025.</li> <li>Decisions on preferred approach to implementation late-2025.</li> </ul>	<p>Changes made prior to discontinuation: Action name updated.</p> <p>Lead agency updated.</p> <p>Timeframe updated.</p> <p>Implementation progress updated.</p>

# Natural environment (chapter 6)

## Completed actions

As of September 2024, there are no completed actions in this chapter.

## Active actions

Objective	Title	Lead agency	Relevant portfolio	NCCRA risks addressed	Status	Timeframe	Implementation progress expected by	Changes
NE1	<b>6.1 Implement the Department of Conservation Climate Change Adaptation Action Plan</b>	DOC	Conservation	N1, N2, N3, N4, N5, N6, N7, N8, N9, N10, N11, N12, H5, H6, H8, E3, E4, G1, G2, G4	Active	Years 1–4 (2022–25)	<ul style="list-style-type: none"> <li>By 2024, a reporting framework on the implementation of the Climate Change Adaptation Action Plan (CCAAP) is in place. DOC adaptation work progress against the framework is reported on.</li> <li>By 2026, the CCAAP is transitioned to another short-term action plan. While many actions are completed, some are replaced by the next logical set of actions.</li> </ul>	
NE1	<b>6.2 Engage with councils to implement the New Zealand Coastal Policy Statement</b>	DOC	Conservation; Local Government		Active	Years 1–6 (2022–28)	<ul style="list-style-type: none"> <li>By 2024, DOC will review councils' progress on New Zealand Coastal Policy Statement (NZCPS) implementation.</li> <li>By 2026, DOC will have developed an engagement approach for those councils that have not implemented the NZCPS, with the aim of most councils having coastal policies in place by 2028.</li> </ul>	

Objective	Title	Lead agency	Relevant portfolio	NCCRA risks addressed	Status	Timeframe	Implementation progress expected by	Changes
NE1	<b>6.3 Implement Te Mana o te Taiao – Aotearoa New Zealand Biodiversity Strategy 2020</b>	DOC	Conservation	N1, N2, N3, N4, N5, N6, N7, N8, N9, N10, N11, N12, H5, H6	Active	Years 1–6 (2022–28)	<ul style="list-style-type: none"> <li>By 2024, the collaborative structures and channels into the biodiversity sector are established and the second implementation plan is launched. This reflects actions from the whole biodiversity sector, not just agencies and government.</li> <li>By 2026, the two measurement systems are operational. The assurance system ensures actions in the implementation plan are on track for delivery and are subject to regular performance reporting. The monitoring and reporting system, which consist of both western science and mātauranga Māori indicators, measure outcomes from the strategy, tracking how biodiversity has improved as a result.</li> <li>By 2028, long-term governance over the biodiversity system is set up.</li> </ul>	
NE1	<b>6.4 Implement the proposed National Policy Statement on Indigenous Biodiversity</b>	MfE; DOC	Environment; Conservation	G4, N1, N2, N4, N5, N11, N12	Active	Years 1–2 (2022–28)	<ul style="list-style-type: none"> <li>By 2024, the National Policy Statement for Indigenous Biodiversity is in force and implementation has begun.</li> </ul>	
NE3	<b>6.5 Establish an integrated work programme to deliver climate, biodiversity and wider environmental outcomes</b>	DOC; MfE	Conservation; Environment	N4, N11, B1	On hold	Years 1–4 (2022–26)	<ul style="list-style-type: none"> <li>By 2024, all actions in the work programme are underway.</li> <li>By 2026, the work programme has been reviewed as part of the development of the 2026–30 emissions reduction plan.</li> </ul>	

Objective	Title	Lead agency	Relevant portfolio	NCCRA risks addressed	Status	Timeframe	Implementation progress expected by	Changes
NE1	<b>6.6 Implement the Water Availability and Security programme</b>	MPI (MfE support)	Agriculture	N3, N7, H1, H2, H3, H4, H5, B1, E1, E3	On hold	Years 1–6 (2022–28)	<ul style="list-style-type: none"> <li>By 2024, MPI has formed a permanent team and starts addressing issues of water availability and security within Aotearoa New Zealand’s primary sectors and rural communities. This includes partnering with Māori, communities and other impacted sectors to deliver solutions.</li> <li>By January 2026, all initiatives identified by 2024 under the Water Availability and Security Programme are underway and a pipeline of additional initiatives is in development.</li> <li>By January 2028, all initiatives identified by 2024 and 2026 are underway or completed, along with some additional initiatives (subject to funding). The programme will continue to support regions to proactively address water security issues through multi-purpose, multi-benefit solutions.</li> </ul>	
NE1	<b>6.7 Implement the National Policy Statement on Freshwater Management 2020</b>	MfE	Environment	N3, N4, N5, N6, N7, G1, G2, G3	Active	Years 1–6 (2022–28)	<ul style="list-style-type: none"> <li>By 2024, regional councils notify plans that implement the National Policy Statement on Freshwater Management.</li> <li>By 2026, all hearings panels have completed the freshwater planning process (unless extensions are sought and granted).</li> <li>By 2028, all plans are operative, with any appeals resolved.</li> </ul>	
NE2	<b>6.8 Continue to strengthen and lead the biosecurity system.</b>	MPI	Biosecurity	N2, E3, H6, N11	Active	Years 1–6 (2022–28)	<ul style="list-style-type: none"> <li>By 2024, a range of proposals to update and modernise the Biosecurity Act to strengthen the biosecurity system is released for public consultation.</li> <li>By 2025, Cabinet to consider final policy proposals.</li> </ul>	New action added.



Objective	Title	Lead agency	Relevant portfolio	NCCRA risks addressed	Status	Timeframe	Implementation progress expected by	Changes
NE2	<b>6.8.2 Invest in strengthening border biosecurity – Mail Pathways Project</b>	MPI	Biosecurity	N2, E3, H6	Active	Years 1–6 (2022–28)	<ul style="list-style-type: none"> <li>Mail Pathways Project: <ul style="list-style-type: none"> <li>By February 2025 Auckland Processing Centre opens using 3D- real-time tomography (RTT) scanning on live inbound international mail.</li> <li>By 2028, 3D RTT scanner continues to be used for detecting biosecurity threats.</li> </ul> </li> </ul>	Implementation progress updated.
NE2	<b>6.8.5 Prevent the spread of wilding conifers, and contain or eradicate established areas of wilding conifers by 2030</b>	MPI	Biosecurity	N2, N11, E1, E3, H5, H6	Active	Years 1–6 (2022–28)	<ul style="list-style-type: none"> <li>By 2024, the programme is protecting 4 million hectares of land that is significantly vulnerable to invasion by controlling wilding conifer infestations.</li> <li>By 2026, the programme is protecting 1.5 million hectares of land that is significantly vulnerable to invasion by controlling wilding conifer infestations. Note, the reduction in area protected compared to 2022–24 reflects a reduction in current funding from \$25 million per annum in 2022/23 to \$10 million per annum in future years.</li> <li>By 2028, the programme is protecting 1.5 million hectares of land that is significantly vulnerable to invasion by controlling wilding conifer infestations.</li> </ul>	
NE2	<b>6.8.7 Invest in plant health and environmental capability facility</b>	MPI	Biosecurity	N2, N11, E3, H6	Active	Years 1-6 (2022–28)	<ul style="list-style-type: none"> <li>In August 2025, the Implementation Business Case is submitted to Joint Ministers for approval, to confirm final costs and construction delivery arrangements.</li> <li>In October 2025, construction of the new plant health and environment laboratory (PHEL) will have started.</li> </ul>	Implementation progress updated.

Objective	Title	Lead agency	Relevant portfolio	NCCRA risks addressed	Status	Timeframe	Implementation progress expected by	Changes
							<ul style="list-style-type: none"> <li>By April 2028, main works practical completion is estimated to be completed, with final completion/commissioning by July 2029.</li> <li>Note that upon completion, the programme aims to achieve a 5-star Green Star rating for the new PHEL from the New Zealand Green Building Council (NZGBC), as part of sustainability standards and requirements for design, construction, and operation under the Carbon Neutral Government Programme.</li> </ul>	
NE1	<b>6.9 Deliver Jobs for Nature to restore indigenous ecosystems</b>	MfE; DOC; MPI	Environment; Conservation	N2, N4, N11, H5, H6	Active	Years 1–6 (2022–28; some projects ongoing)	<ul style="list-style-type: none"> <li>By June 2024, the forecast spend on projects under the Jobs for Nature Programme that have reported timeframes for their planned spend is 77–99%.</li> <li>By January 2026, 88–100% of the projects are completed.</li> <li>By January 2028, 89–100% of the projects are completed.</li> </ul>	
NE1	<b>6.10 Implement Revitalising the Gulf: Government action on the Sea Change Plan</b>	DOC; MPI	Conservation; Oceans and Fisheries	N1, N2, N5, N7, N8, N10, N12	Active	Years 1–2 (2022–24)	<ul style="list-style-type: none"> <li>By 2024, Revitalising the Gulf’s three-year marine conservation and fisheries management actions are implemented as per the strategy’s roadmap.</li> </ul>	
NE1	<b>6.11 Implement the South-east Marine Protection Initiative</b>	DOC; MPI	Conservation; Oceans and Fisheries	N1, N5, N7, N8, N10, E5	Active	Years 1–2 (2022–24)	<ul style="list-style-type: none"> <li>By 2024, a marine protected area network is implemented in the southeastern South Island coastal region and co-management arrangements are established across the Kāi Tahu rohe moana.</li> </ul>	

Objective	Title	Lead agency	Relevant portfolio	NCCRA risks addressed	Status	Timeframe	Implementation progress expected by	Changes
NE1	<b>6.12 Implement the Sustainable Land Management Hill Country Erosion Programme</b>	MPI	Forestry	N3, N7, N11, E1, E3, H1, H3, H5	Active	Years 1–6 (2022–28)	<ul style="list-style-type: none"> <li>By 2024, targets for the number of hectares of erosion-prone land treated annually through the Hill Country Erosion Fund contracts with councils, as measured in Years 3 and 4 of current four-year contracts that began July 2019 (ie, 2021/22 and 2022/23), are 6,100 ha in 2021/22 and 6,800 ha in 2022/23.</li> <li>By 2026, treatment of erosion-prone land through the Hill Country Erosion Fund contracts with councils is ongoing. Annual targets for Years 1 and 2 of four-year contracts due to start July 2023 (ie, 2023/24 and 2024/25) are confirmed when contracts are in place in December 2022.</li> <li>By 2028, treatment of erosion-prone land through the Hill Country Erosion Fund contracts with councils is ongoing. Annual targets for Years 3 and 4 of four-year contracts due to start in July 2023 (ie, 2025/26 and 2026/27) are confirmed when contracts are in place in December 2022.</li> </ul>	

## Discontinued actions

Objective	Title	Lead agency	Relevant portfolio	NCCRA risks addressed	Status	Timeframe	Implementation progress expected by	Changes
NE2	<b>6.8.1 Implement an on-farm biosecurity programme</b>	MPI	Biosecurity	N2, E3	Discontinued	Years 1–2 (2022–24)	<ul style="list-style-type: none"> <li>By mid-2023, changes have been measured in the four core behaviours (talk about biosecurity, show leadership, be curious to understand the risks, and make choices – recognition and reinforcement) to track the programme’s impact against objectives. Monitoring uptake and effectiveness of the programme’s content and activation to refine and scale those with most impact and recommend investment required for the programme over the longer term (5–10 years).</li> </ul>	
NE2	<b>6.8.3 Continue the Freshwater Biosecurity Partnership Programme</b>	MPI	Biosecurity	N2, H5, H6	Discontinued	Years 1–6 (2022–28)	<ul style="list-style-type: none"> <li>By 2024, development and implementation of an updated Freshwater Biosecurity Partnership Programme strategy is completed. This includes more support for collaboration on developing new or improved detection and control tools.</li> <li>By 2026, there is continued development of the Freshwater Biosecurity Partnership Programme strategy and evaluation of the Check Clean Dry behaviour change campaign plan 2020–25.</li> <li>By 2028, the Freshwater Biosecurity Partnership Programme Strategy is evaluated.</li> </ul>	This sub-action has been removed from NAP1. Note that this work will continue, however, it has been assessed as not directly linked to climate adaptation. The revised action 6.8 <i>Continue to strengthen and lead the biosecurity system</i> will continue to deliver biosecurity work with adaptation-related outcomes.
NE2	<b>6.8.4 Reduce the spread and impacts of marine pest species through the Clean Hull programme</b>	MPI	Biosecurity	N2, N7	Discontinued	Years 1–6 (2022–28)	<ul style="list-style-type: none"> <li>By 2024, the Clean Hull programme is designed, and a baseline established of awareness of risks from vessel movements and current behaviours of vessel owners.</li> <li>By 2026, monitoring and evaluation of the programme’s impact to inform ways to improve and/or have greater impact.</li> </ul>	This sub-action has been removed from NAP1. Note that this work will continue, however, it has been assessed as not directly linked to climate adaptation. The revised action 6.8 <i>Continue to strengthen and</i>

Objective	Title	Lead agency	Relevant portfolio	NCCRA risks addressed	Status	Timeframe	Implementation progress expected by	Changes
							<ul style="list-style-type: none"> <li>By 2026, implementing regulatory options (only if progressed) starts.</li> <li>By 2028, ongoing implementation and evaluation of the programme is undertaken.</li> </ul>	<i>lead the biosecurity system</i> will continue to deliver biosecurity work with adaptation-related outcomes.
NE2	<b>6.8.6 Continue the National Interest Pest Responses programme</b>	MPI	Biosecurity	N2, E3	Discontinued	Years 1–6 (2022–28)	<ul style="list-style-type: none"> <li>By 2024, a technical review of each of the National Interest Pest Responses (NIPR) species control programmes is completed.</li> <li>By 2026, the NIPR species operational plans are updated based on technical reviews.</li> <li>By 2028, the NIPR species operational plans are updated based on technical reviews.</li> </ul>	This sub-action has been removed from NAP1. Note that this work will continue, however, it has been assessed as not directly linked to climate adaptation. The revised action 6.8 <i>Continue to strengthen and lead the biosecurity system</i> will continue to deliver biosecurity work with adaptation-related outcomes.
NE2	<b>6.8.8 Use the Animal Health Laboratory and Plant Health and Environment Laboratory</b>	MPI	Biosecurity	N2, N11, E3, H6	Discontinued	Years 1–6 (2022–28)	<ul style="list-style-type: none"> <li>By January 2024, the diagnostic capabilities to manage new and suspected exotic pests and diseases through an operational research programme and collaboration with internal and international organisations is enhanced.</li> <li>By January 2026, further work to develop diagnostic methods suitable for diagnosis of disease likely to be impacted by climate change is underway.</li> <li>By January 2028, accreditation of diagnostic methods for diseases likely to be impacted by climate change is in place.</li> </ul>	This sub-action has been removed from NAP1. Note that this work will continue, however, it has been assessed as not directly linked to climate adaptation. The revised action 6.8 <i>Continue to strengthen and lead the biosecurity system</i> will continue to deliver biosecurity work with adaptation-related outcomes.

# Homes, buildings and places (chapter 7)

## Completed actions

As of September 2024, there are no completed actions in this chapter.

## Active actions

Objective	Title	Lead agency	Relevant portfolio	NCCRA risks addressed	Status	Timeframe	Implementation progress expected by	Changes
HBP4	7.1 Research how cultural heritage contributes to community wellbeing and climate change adaptation	MCH	Culture and Heritage	H8	Active	Years 1–4 (2022–26)	<ul style="list-style-type: none"> <li>By mid-2024, the project is scoped, and if resourced, initial 'literature review' on the current state of knowledge is completed. Includes identification of key stakeholders and existing research programmes. Gaps and potential partnerships are identified and, if funding is secured, research strategy is under development.</li> <li>By March 2026, research strategy is completed. If funding is secured, research is underway and contributing to other work.</li> </ul>	
HBP3	7.2 Partner with Māori landowners to increase the resilience of Māori-owned land, homes and cultural sites	HUD	Māori Housing	B2, H5, H8, G4, G5	Not started	Years 1–4 (2022–26)	<ul style="list-style-type: none"> <li>By 2024, initial work has begun with relevant partners (including Māori groups and public sector agencies) to understand and respond to immediate support needs.</li> <li>By the end of 2026, HUD is on track to deliver resources, information and tools to support decision making, and implementation solutions are available.</li> <li>By 2028, this action is completed, noting that its final outputs are to be determined in partnership with Māori and will be dependent on work in the Māori Climate Action Platform.</li> </ul>	

Objective	Title	Lead agency	Relevant portfolio	NCCRA risks addressed	Status	Timeframe	Implementation progress expected by	Changes
HBP3	<b>7.3 Partner with Māori to support Māori-led approaches to adaptation planning</b>	HUD	Māori Housing	B2, H5, H8, G1, G4	Not started	Years 3–4 (2024–26)	<ul style="list-style-type: none"> <li>By 2026, Māori-led planning is being supported to incorporate adaptation considerations. Note: final outputs of this action are to be determined in partnership with Māori and will be dependent on action 3.3.</li> </ul>	
HBP1	<b>7.4 Update regulatory requirements to ensure buildings are designed and constructed to withstand more extreme climate hazards</b>	MBIE	Building and Construction	B2	On hold	Years 3–6 (2024–28)	<ul style="list-style-type: none"> <li>By 2026, property-level research is complete and aspects of the Building Code that require updating have been identified.</li> <li>By 2028, a regulatory framework is in place to update minimum building standards.</li> </ul>	
HBP2	<b>7.5 Update housing and urban settings</b>	HUD	Housing	B2, H1, H2, H3, G1	Not started	Years 3–6 (2024–28)	<ul style="list-style-type: none"> <li>By 2026, HUD has begun analysis to determine whether regulatory updates are required. This analysis may be informed by the outcomes of actions 5.7 and 7.1.</li> <li>By 2028, analysis has been undertaken to determine whether regulatory updates are required. If the need has been identified, housing and urban settings will have been updated.</li> </ul>	
HBP1	<b>7.6 Manage potential impacts of adaptation related to regulatory change</b>	MBIE	Building and Construction	B2	On hold	Years 5–6 (2026–28)	<ul style="list-style-type: none"> <li>By 2028, the potential distributional impacts of building regulations are understood, and support is identified and in place.</li> </ul>	

## Discontinued actions

As of September 2024, there are no discontinued actions in this chapter.

# Infrastructure (chapter 8)

## Completed actions

Objective	Title	Lead agency	Relevant portfolio	NCCRA risks addressed	Status	Timeframe	Implementation progress expected by	Changes
INF3	8.6 Invest in public transport and active transport	MOT, NZ Transport Agency Waka Kotahi	Transport	H1, H2, H3, E4, E7, B6, G1	Completed	Years 1–6 (2022–28)	<ul style="list-style-type: none"> <li>By 2024, the Ministry of Transport, in consultation with NZ Transport Agency Waka Kotahi, has reported on the suite of outcome indicators that have been developed to demonstrate progress on the uptake and impact of walking, cycling and use of public transport. These are to be reported on annually. Key projects, such as the Public Transport Operating Model Review and rapid transit network plans for Auckland, Wellington and Christchurch, are completed.</li> <li>By 2026, reporting continues based on outcome indicators.</li> <li>By 2028, reporting continues based on outcome indicators.</li> </ul>	



## Active actions

Objective	Title	Lead agency	Relevant portfolio	NCCRA risks addressed	Status	Timeframe	Implementation progress expected by	Changes
INF3	<b>8.1 Develop and implement the NZ Transport Agency Waka Kotahi Climate Adaptation Plan</b>	NZ Transport Agency Waka Kotahi	Transport	H1, H2, E1, E4, E6, E7, B5, B6, G1, G6	Active	Years 1–6 (2022–28)	<ul style="list-style-type: none"> <li>By 2024, the first adaptation plan is published and a reporting framework on the implementation of the plan is developed.</li> <li>By 2026, implementation is ongoing and progress is reported. The plan is updated as required.</li> <li>By 2028, implementation is ongoing and progress reported. The plan is updated as required.</li> </ul>	
INF2	<b>8.2 Develop the National Energy Strategy</b>	MBIE	Energy and Resources	H2, H3, E1, B1, B2, B4, B5, B6, B7, B8, G1, G2, G3, G6, G7, G8	On hold	Years 1–3 (2022–24)	<ul style="list-style-type: none"> <li>By 2024, the National Energy Strategy is developed.</li> </ul>	
INF1	<b>8.4 Provide for regulated network revenues to reflect the prudent and efficient costs of resilience</b>	Commerce Commission	Commerce and Consumer Affairs	H3, H4, E1, E4, E6, E7, B1, B2, B4, B5, B6, B7, B8, G1, G2, G3, G5, G6	Active	Years 1–6 (2022–28)	<ul style="list-style-type: none"> <li>By 2024, work on price-quality path reviews has commenced.</li> <li>By 2026, electricity network price-quality path decisions are completed.</li> <li>By 2028, gas network price-quality path decisions are completed.</li> </ul>	
INF2	<b>8.5 Progress the Rail Network Investment Programme</b>	MOT; NZ Transport Agency Waka Kotahi	Transport	H1, H2, E1, E4, E6, E7, B5, B6, G1, G6	Active	Years 1–6 (2022–28)	<ul style="list-style-type: none"> <li>Before August 2024: In shifting to a resilient, reliable and safe network, the Rail Network Investment Programme (RNIP) has identified 21 targets to be met (and a further six to be met by June 2031), with ongoing reporting against these</li> </ul>	

Objective	Title	Lead agency	Relevant portfolio	NCCRA risks addressed	Status	Timeframe	Implementation progress expected by	Changes
							<p>measures to be provided by KiwiRail (see section 10.3.1 of the RNIP).</p> <ul style="list-style-type: none"> <li>Ongoing: NZ Transport Agency Waka Kotahi is responsible for monitoring delivery of the RNIP and will report annually to the Minister of Transport on the achievement of these targets.</li> </ul>	
<b>INF2</b>	<b>8.7 Embed nature-based solutions as part of the response to reducing transport emissions and improving climate adaptation and biodiversity outcomes</b>	MOT	Transport	N7, E1, E4, E7, B2, B4, B6, G1, G2, G3, G6	On hold	Years 1–3 (2022–25)	<ul style="list-style-type: none"> <li>By 2024, investigation into the role that nature-based solutions could play in reducing transport emissions and contributing to other benefits is underway.</li> <li>By 2026, investigation into the role that nature-based solutions could play in reducing transport emissions and contributing to other benefits is complete.</li> </ul>	
<b>INF1</b>	<b>8.8 Support knowledge sharing and the implementation of adaptation actions across the sector</b>	Te Waihanga New Zealand Infrastructure Commission	Infrastructure	B1, B3, B4, B5, B6, B7, B8, G1, G2	Active	Years 1–6 (2022–28)	<ul style="list-style-type: none"> <li>By 2024, a minimum of two forums have been held.</li> <li>By 2026, a minimum of five forums have been held.</li> <li>By 2028, a minimum of seven forums have been held.</li> </ul>	

## Discontinued actions

Objective	Title	Lead agency	Relevant portfolio	NCCRA risks addressed	Status	Timeframe	Implementation progress expected by	Changes
INF1	<b>8.3 Manage dry-year risk through the New Zealand Battery Project</b>	MBIE	Energy and Resources	H2, H3, E1, E7, B1, B2, B3, B4, B5, B6, B7, B8, G1, G6	Discontinued	Years 1–6 (2022–28)	<ul style="list-style-type: none"> <li>By end of 2022, a feasibility study has been completed.</li> <li>Further implementation measures will depend on the Government’s decisions following the feasibility study.</li> </ul>	

# Communities (chapter 9)

## Completed actions

Objective	Title	Lead agency	Relevant portfolio	NCCRA risks addressed	Status	Timeframe	Implementation progress expected by	Changes
<b>C4</b>	<b>9.2 Develop the Health National Adaptation Plan</b>	MOH	Health	G2, H3, H7	Completed	Years 1–2 (2022–24)	<ul style="list-style-type: none"> <li>By the end of 2024, the Health National Adaptation Plan is expected to be completed.</li> </ul>	Timeframe updated. Implementation progress updated.
<b>C1</b>	<b>9.6 Build community resilience through social cohesion</b>	MSD	Social Development and Employment	H1, H2	Completed	Years 2–5 (2023–27)	<ul style="list-style-type: none"> <li>By 2024, a report on progress implementing the social cohesion work programme is completed.</li> </ul>	
<b>C2</b>	<b>9.13 Review of active labour market programmes</b>	MBIE, MSD	Social Development and Employment	E1, H2, G2	Completed	Years 1–3 (2022–25)	<ul style="list-style-type: none"> <li>Before the end of 2024, the Government will have expanded active labour market programmes to support displaced workers. These will be introduced progressively over the next 1–3 years</li> </ul>	

## Active actions

Objective	Title	Lead agency	Relevant portfolio	NCCRA risks addressed	Status	Timeframe	Implementation progress expected by	Changes
SW1	9.1 Modernise the emergency management system	NEMA	Emergency Management	G6	Active	Years 3–6 (2024–28)	<ul style="list-style-type: none"> <li>By 2026, new emergency management legislation has been enacted.</li> <li>By 2028, the new emergency management legislation has been enacted, and the system is using a range of regulatory tools (eg, rules) to ensure consistency while retaining flexibility.</li> </ul>	Timeframes updated. Implementation progress updated.
SW1	9.3 Develop the emergency management workforce	NEMA	Emergency Management	G6	Active	Years 1–6 (2022–28)	<ul style="list-style-type: none"> <li>By 2024, implementation and integration of a professional training framework for disaster response and recovery at the national and regional level in underway. This includes recognition of the contribution, and development, of the Māori emergency management workforce.</li> <li>By 2026, implementation of the professional training framework for response and recovery is underway at national and regional levels and work is progressing on the Government’s response to the North Island Severe Weather Event Inquiry, <i>strengthening disaster resilience and emergency management</i> focus area three – professionalise and build the capability and capacity of the emergency management workforce.</li> <li>By 2028, implementation and integration of a professional training framework for disaster response and recovery is extended to the local level, and data shows an increase in capacity and capability. Implementation of the <i>strengthening disaster resilience and emergency management</i> focus area three – professionalise and build the capability and</li> </ul>	Implementation progress updated.

Objective	Title	Lead agency	Relevant portfolio	NCCRA risks addressed	Status	Timeframe	Implementation progress expected by	Changes
							capacity of the emergency management workforce is well advanced.	
<b>C3</b>	<b>9.4 Implement the Climate Migration Action Plan</b>	MFAT	Foreign Affairs	G1, G6, H1, H5, H7	Active	Years 1–2 (2022–24)	<ul style="list-style-type: none"> <li>In 2024, report to Cabinet on the implementation of the Climate Migration Action Plan is completed.</li> <li>Further implementation measures will depend on the Government’s decisions on the report.</li> </ul>	
<b>C1</b>	<b>9.7 Strengthen teaching and learning related to climate change</b>	MOE	Education	H1, H2, H7, H4	Active	Years 1–6 (2022–28)	<ul style="list-style-type: none"> <li>By 2026, the national curriculum content has been updated, and includes learning related to climate change, where appropriate.</li> <li>From 2027 and ongoing, schools and kura reflect the updated national curriculum in their teaching and learning programmes.</li> </ul>	Portfolio updated. Implementation progress updated.
<b>C1</b>	<b>9.9 Expand current funding for proactive community resilience</b>	TPK	Māori Development	G4, H2, H3, H4, H7	Not started	Years 1–6 (2022–28)	<ul style="list-style-type: none"> <li>In 2022, evaluations from the Māori Communities COVID-19 Fund first phase is completed.</li> <li>By March 2024, budget is secured for this work, a funding channel and settings have been determined, and funding has begun to be delivered to communities. A low-commitment method of delivering feedback from communities to their commissioning agencies and central government has been created.</li> <li>By end of 2024, funding is secured for the next phase.</li> <li>By March 2026, budget continues to be provided to support this action through the Climate Emergency Response Fund (CERF), and results for communities are demonstrable through insights from commissioning agencies.</li> <li>By 2028, budget continues to be provided to support this action through the CERF and results for</li> </ul>	

Objective	Title	Lead agency	Relevant portfolio	NCCRA risks addressed	Status	Timeframe	Implementation progress expected by	Changes
							communities are demonstrable through insights from commissioning agencies.	
<b>SW2 and SW3</b>	<b>9.11 Develop and deliver initiatives in <i>Responding to the Climate Crisis: An Implementation Plan (2019)</i></b>	MOD; NZDF	Defence	G1, G6, H4	Active	Years 1–6 (2022–28)	<ul style="list-style-type: none"> <li>The Defence Policy Review process will consider the impacts of climate change.</li> <li>By 2024, complete adaptation pathway planning for the Defence estate.</li> <li>By 2026, adaptation pathway planning information incorporated into all post-2022 master plans and precinct block plans for the Defence estate.</li> <li>By 2028, future capability plans and Defence estate regeneration plans, if/as agreed by ministers, incorporate adaptation projects and initiatives.</li> </ul>	
<b>SW2</b>	<b>9.12 Produce guidance and tools for monitoring and evaluating the impact of adaptation initiatives</b>	MfE	Climate Change	G1, G3, G7	Not started	Year 3 (2024/25)	<ul style="list-style-type: none"> <li>By end of 2025, guidance is published.</li> </ul>	

## Discontinued actions

Objective	Title	Lead agency	Relevant portfolio	NCCRA risks addressed	Status	Timeframe	Implementation progress expected by	Changes
C4	9.5 Continue with the reform of the health and disability system	MOH	Health	H3, H7	Discontinued	Years 1–3 (2022–25)	<ul style="list-style-type: none"> <li>On 1 July 2022 new entities were legally established.</li> </ul>	Discontinued.
C2	9.8 Continue to overhaul the welfare system	MSD	Social Development and Employment	H1, H2, H3, H7	Discontinued	Years 1–6 (2022–28)	<ul style="list-style-type: none"> <li>By end of 2024, a report to Cabinet is completed, seeking decisions on policy changes related to ongoing implementation of welfare overhaul initiatives, including potential legislative changes.</li> <li>Further implementation measures will depend on the Government’s decisions.</li> </ul>	
C2	9.10 Implement an income insurance scheme to support adaptive capacity of communities and the economy	MBIE	Social Development and Employment	E1, H1, H2, G2	Discontinued	Years 1–3 (2022–25)	<ul style="list-style-type: none"> <li>Subject to Cabinet approval:</li> <li>legislation is passed by end of 2023 to give effect to the scheme</li> <li>the scheme goes live in 2024/25.</li> </ul>	



# Economy and financial system (chapter 10)

## Completed actions

Objective	Title	Lead agency	Relevant portfolio	NCCRA risks addressed	Status	Timeframe	Implementation progress expected by	Changes
EF1	<b>10.1 Deliver the New Zealand Freight and Supply Chain strategy</b>	MOT	Transport	E7, H3, B5, B6, B7	Completed	Years 1–6 (2022–28)	<ul style="list-style-type: none"> <li>By the middle of 2023, the Government has launched the New Zealand Freight and Supply Chain strategy.</li> <li>Further implementation measures depend on finalisation of the strategy.</li> </ul>	
EF1	<b>10.2 Strengthen fisheries rules</b>	MPI	Oceans and Fisheries	E5	Completed	Years 1–6 (2022–28)	<ul style="list-style-type: none"> <li>By late 2022, the Fisheries Amendment Bill is passed.</li> </ul>	Implementation progress updated.
EF2	<b>10.4 Reserve Bank of New Zealand supports the stability of the financial system</b>	RBNZ	Finance	E2	Completed	Years 1–2 (2022–24) and ongoing	<ul style="list-style-type: none"> <li>By March 2024, the Reserve Bank of New Zealand has climate change considerations increasingly integrated into its supervisory, stress-testing and policy work.</li> </ul>	
EF2	<b>10.10 Monitor residential insurance premiums</b>	Treasury; NHC Toka Tū Ake	Finance, Natural Hazards Commission Toka Tū Ake	E6	Completed	Years 1–2 (2022–24) and ongoing	<ul style="list-style-type: none"> <li>By October 2022, the Treasury has data to show insurance prices. This data will be updated regularly.</li> </ul>	Marked as completed.
EF2	<b>10.11 Consider climate risk in economic and fiscal monitoring and forecasting</b>	Treasury	Finance	E1	Completed	Years 1–6 (2022–28) and ongoing	<ul style="list-style-type: none"> <li>Between the publication of the national adaptation plan and the end of 2022, a six-monthly economic and financial update is published.</li> </ul>	Marked as completed.

Objective	Title	Lead agency	Relevant portfolio	NCCRA risks addressed	Status	Timeframe	Implementation progress expected by	Changes
							<ul style="list-style-type: none"> <li>From the start of 2022 to the end of 2026, a further eight six-monthly economic and financial updates are published.</li> <li>From the start of 2027 to the end of 2028, a further four six-monthly economic and financial updates are published.</li> </ul>	
EF1	<b>10.16 Leverage government procurement for climate outcomes</b>	MBIE	Economic and Regional Development	B2, B6	Completed	Year 1 (2022/23)	<ul style="list-style-type: none"> <li>By August 2023, the current government procurement policy framework is reviewed to ensure it enables mitigation and adaptation in government procurement.</li> </ul>	
EF1	<b>10.18 Research business adaptation preparedness and provide guidance for small businesses to adapt</b>	MBIE	Small Business	E3, E4, E5, E6, E7	Completed	Years 1–6 (2022–28) Ongoing action	<ul style="list-style-type: none"> <li>By 2024, baseline research has been undertaken and prototype guidance for small and medium-sized businesses has been developed.</li> <li>By 2026, small businesses can access guidance to support them to identify and take action to reduce their risks from a changing climate. Targets are set and processes are established to monitor the uptake of guidance and adaptation planning.</li> <li>By 2028, small- and medium-sized businesses are reaching 2028 targets set against the baseline monitor.</li> </ul>	Marked as completed.

## Active actions

Objective	Title	Lead agency	Relevant portfolio	NCCRA risks addressed	Status	Timeframe	Implementation progress expected by	Changes
EF1	<b>10.3 Deliver the Aquaculture Strategy</b>	MPI	Oceans and Fisheries	E5, E7, H6, N8	Active	Years 1–4 (2022–26) and ongoing	<ul style="list-style-type: none"> <li>By 2024, the Government continues releasing implementation plans for the Aquaculture Strategy and reports annually on the environmental effects of aquaculture.</li> <li>In 2025, the Aquaculture Strategy is reviewed.</li> <li>By August 2026, the use of annual implementation plans for the Aquaculture Strategy and annual reporting on the environmental effects of aquaculture is ongoing.</li> </ul>	
EF1	<b>10.5 Deliver the Māori agribusiness extension programme</b>	MPI	Agriculture	E3, H5, H6, G4	Active	Years 1–6 (2022–28)	<ul style="list-style-type: none"> <li>By November 2022, the terms of reference for the steering group to lead development of the tikanga-based programme are in place.</li> <li>By June 2023, two Māori agribusiness extension panels have assessed project proposals for the Māori advisor’s aspect.</li> <li>By August 2026, the first independent evaluation of Māori agribusiness extension is completed. A Māori-led evaluation of the implementation of the tikanga-based programme is also completed.</li> <li>By August 2028, medium-term outcomes are being delivered.</li> </ul>	
EF1	<b>10.6 Continue delivering the Sustainable Land Management and Climate Change and the Greenhouse Gas Inventory research programmes</b>	MPI	Agriculture	E3, G2, G5, H1, H5	Active	Years 1–6 (2022–28)	<ul style="list-style-type: none"> <li>By 2024, a suite of outputs are in place from funded science projects, in the form of data, information, reports, decision support tools and official inventory to help the sectors adapt to climate change, measure emissions and mitigate land-use impacts on freshwater.</li> <li>By 2026, a suite of outputs from funded science projects is continued, in the form of data, information, reports, decision support tools and official inventory to help the</li> </ul>	

Objective	Title	Lead agency	Relevant portfolio	NCCRA risks addressed	Status	Timeframe	Implementation progress expected by	Changes
							<p>sectors adapt to climate change, measure emissions and mitigate land-use impacts on freshwater.</p> <ul style="list-style-type: none"> <li>By 2028, there is continued investment in a suite of outputs from funded science projects, in the form of data, information, reports, decision support tools and official inventory to help the sectors adapt to climate change, measure emissions and mitigate land-use impacts on freshwater. Subject to funding, outcomes are assessed.</li> </ul>	
EF1	<b>10.7 Continue delivering the Sustainable Food and Fibre Futures Fund</b>	MPI	Agriculture	E3, E5, G5	Active	Years 1–6 (2022–28)	<ul style="list-style-type: none"> <li>By 2024, continue MPI investment through the Sustainable Food and Fibre (SFF) Futures Fund in projects with clear direct or indirect implications for climate adaptation in the primary sector.</li> <li>By 2026, continue MPI investment through the SFF Futures Fund in projects with clear direct or indirect implications for climate adaptation in the primary sector.</li> <li>By 2028, perform a stocktake of the SFF Futures Fund projects for addressing climate change risks and adaptation in the primary sector.</li> </ul>	
EF1	<b>10.8 Establish innovation grants</b>	MBIE	Research, Science and Innovation	G5	Active	Years 1–6 (2022–28)	<ul style="list-style-type: none"> <li>By September 2022, new innovation grants are established to support businesses with innovation-related activities.</li> <li>By 2026, an additional 400 businesses have been supported to establish R&amp;D programmes, 100 businesses supported to innovate at the frontier and an additional 800 businesses supported to advance innovative ideas.</li> <li>By 2028, Aotearoa has increased the percentage of companies performing innovative activities on an ongoing basis.</li> </ul>	

Objective	Title	Lead agency	Relevant portfolio	NCCRA risks addressed	Status	Timeframe	Implementation progress expected by	Changes
EF1	<b>10.9 Identify the impacts of climate change on regional economies</b>	MBIE	Economic and Regional Development	G5, H2, E3, E4	Active	Years 1–3 (2022–25)	<ul style="list-style-type: none"> <li>By July 2025, the initial regional economic research on land-based primary sectors is completed.</li> <li>By 2026, regional economic research has been consolidated into guidance and made accessible to the public and private sector.</li> </ul>	
EF1	<b>10.13 Support the implementation of Aotearoa Circle Seafood Sector Adaptation Strategy</b>	MPI	Oceans and Fisheries	E5, G2, G5	Active	Years 1–6 (2022–28)	<ul style="list-style-type: none"> <li>By 2024, the key commitments in waves 1 and 2 are implemented.</li> <li>By 2026, there is ongoing implementation of the strategy's commitments.</li> <li>By 2028, the key commitments in wave 3 are implemented.</li> </ul>	
EF1	<b>10.15 Review the settings for the International Visitor Conservation and Tourism Levy</b>	MBIE	Tourism	E4, B6	Active	Years 1–2 (2022–24)	<ul style="list-style-type: none"> <li>By 2024, the settings for the International Visitor Conservation and Tourism Levy are reviewed.</li> </ul>	
EF1	<b>10.19 Enhance industry partnership networks</b>	MBIE	Research, Science and Innovation	G5	Active	Years 1–6 (2022–28)	<ul style="list-style-type: none"> <li>By 2024, existing networks are investigated to identify whether they can be expanded to help businesses address issues associated with our changing climate, and whether there are gaps where further networks could be built.</li> <li>By 2026, networks are further promoted to facilitate an enhanced level of connection between Aotearoa companies and the science system.</li> <li>By 2028, in conjunction with the Te Ara Paerangi – Future Pathways science system reforms (action 3.19), industry partnership networks provide the knowledge base and industry-relevant research to better help businesses solve the real-world challenges they face.</li> </ul>	

## Discontinued actions

Objective	Title	Lead agency	Relevant portfolio	NCCRA risks addressed	Status	Timeframe	Implementation progress expected by	Changes
EF1	<b>10.12 Implement the Government response to the Prime Minister’s Chief Science Advisor’s report on commercial fishing</b>	MPI	Oceans and Fisheries	E5, G2, G5, H6	Discontinued	Years 1–6 (2022–28) and ongoing	<ul style="list-style-type: none"> <li>By 2023, the short-term actions identified in the Government response to the Science Advisor’s report are implemented. By 2024, report back to Cabinet on progress of implementation of response, including consideration of pace and scope of actions, is completed.</li> <li>By 2026, implementing the actions identified in the Government response to the report continues.</li> <li>By 2028, there is ongoing implementation of longer-term actions identified in the response.</li> </ul>	Discontinued.
EF1	<b>10.14 Deliver the Tourism Industry Transformation Plan</b>	MBIE	Tourism	E4, B6	Discontinued	Years 1–3 (2022–25)	<ul style="list-style-type: none"> <li>By the end of 2023, the environment pillar of the Tourism Industry Transformation Plan (ITP) and Tourism Adaptation Roadmap is completed.</li> <li>By 2026, implementation of the Tourism ITP environment phase and Tourism Adaptation Roadmap is underway.</li> </ul>	
EF1	<b>10.17 Support Māori small business resilience and transitions</b>	TPK; MBIE	Māori Development’ Economic and Regional Development	E3, E4, E5, H2	Discontinued	Years 2–5 (2023–27)	<ul style="list-style-type: none"> <li>By 2024, resilience and transition support for Māori small- and medium-sized enterprises is established. Targets are set and processes are established to monitor the uptake of support.</li> <li>By 2026, Māori small- and medium-sized enterprises are meeting 2026 uptake targets.</li> </ul>	

# Implementing the plan (chapter 11)

## Completed actions

As of September 2024, there are no completed actions in this chapter.

## Active actions

Objective	Title	Lead agency	Relevant portfolio	NCCRA risks addressed	Status	Timeframe	Implementation progress expected by	Changes
SW1	11.1 Establish central government oversight and coordination for implementing the national adaptation plan	MfE	Climate Change	E1, G2, G3, G7	Active	Years 1–6 (2022–28)	<ul style="list-style-type: none"><li>Annual reporting requirements by agencies are completed each year.</li></ul>	

## Discontinued actions

As of September 2024, there are no discontinued actions in this chapter.

# Summary of risks identified in the 2020 NCCRA

Natural	Human	Economy	Built	Governance
N1 Risks to coastal ecosystems	H1 Risks to social cohesion and community wellbeing ★	E1 Risks to governments from economic costs	B1 Risk to potable water supplies ★	G1 Risk of maladaptation across all domains due to poor tools
N2 Risks to indigenous ecosystems from invasive species	H2 Risks of exacerbating existing inequities and creating new ones ★	E2 Risks to the financial system from instability	B2 Risks to buildings ★	G2 Risk that impacts will be exacerbated due to institutional arrangements
N3 Risks to riverine ecosystems	H3 Risks to physical health	E3 Risks to land-based primary sector productivity and output	B3 Risks to landfills and contaminated sites	G3 Risks to governments and businesses from litigation
N4 Risks to wetland ecosystems	H4 Risks of conflict, disruption and loss of trust in government ★	E4 Risks to tourism	B4 Risk to wastewater and stormwater systems ★	G4 Risk of a breach of Treaty obligations ✦
N5 Risks to migratory and/or coastal and river-bed birds	H5 Risks to Māori social, cultural, spiritual and economic wellbeing from loss and degradation of lands and waters, as well as cultural assets such as marae ✦	E5 Risks to fisheries	B5 Risks to ports and associated infrastructure	G5 Risk of delayed adaptation and maladaptation due to knowledge gaps
N6 Risks to lake ecosystems	H6 Risks to Māori social, cultural, spiritual and economic wellbeing from loss of species and biodiversity. ✦	E6 Risks to the insurability of assets.	B6 Risks to linear transport networks. ★	G6 Risks to the ability of the emergency management system to respond. ★
N7 Risks to terrestrial, freshwater and marine ecosystems	H7 Risks to mental health, identity, autonomy and sense of belonging and wellbeing ★	E7 Risks to businesses and public due to supply chain disruption	B7 Risk to airports	G7 Risk that effective climate change adaptation policy will not be implemented and sustained due to a failure to obtain sufficient parliamentary agreement
N8 Risks to oceanic ecosystem productivity and functioning	H8 Risks to Māori and European cultural heritage sites ✦		B8 Risks to electricity infrastructure	G8 Risk to the ability of democratic institutions to follow due democratic decision-making processes ★
N9 Risks to sub-alpine ecosystems				
N10 Risks to carbonate-based, hard-shelled species				
N11 Risks to indigenous forest ecosystems				
N12 Risks to species that are dependent on New Zealand's offshore islands				

Summarised from the National Climate Change Risk Assessment, 2020

The National Adaptation Plan must respond to the most significant risks identified in the National Climate Change Risk Assessment

Key:

The risk has disproportionate impacts on Māori ★

The risk is of particular significance to Māori ✦

10 most significant risks

3