

Meeting: Strategy and Policy Committee Workshop

Meeting Date: 21 May 2024

Presentations and Tabled Document

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NAVIGATING UNCERTAINTY

NAVIGATING UNCERTAINTY

**An introduction to Climate
Adaptation Planning
with a Local Example**

An aerial photograph of a beach with a mix of sand and dark, jagged rocks. Waves are breaking on the shore, creating white foam. The word 'AGENDA' is overlaid in large white letters.

AGENDA

1. Community Led Adaptation Initiative
2. Introduction to Adaptation Planning
3. Waihi Beach Lifeguards 2023



1. COMMUNITY-LED ADAPTATION INITIATIVE

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Initiative designed to support **communities** who are **ready to start planning** for a changing climate



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Approach tailored to the **community needs** and scale.

COMMUNITY-LED ADAPTATION INITIATIVE

Initiative designed to support **communities** who are **ready to start planning** for a changing climate

Approach tailored to the **community needs** and scale.

Support takes different forms: funding, technical advice, logistics, connections, and reviews.

2. DAPP

DAPP | Dynamic Adaptive Pathways Planning

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DAPP | Dynamic Adaptive Pathways Planning

DAPP is an innovative approach to planning and **decision-making under** conditions of **deep uncertainty**.



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DAPP considers decision-making over time, responding to how the future unfolds.



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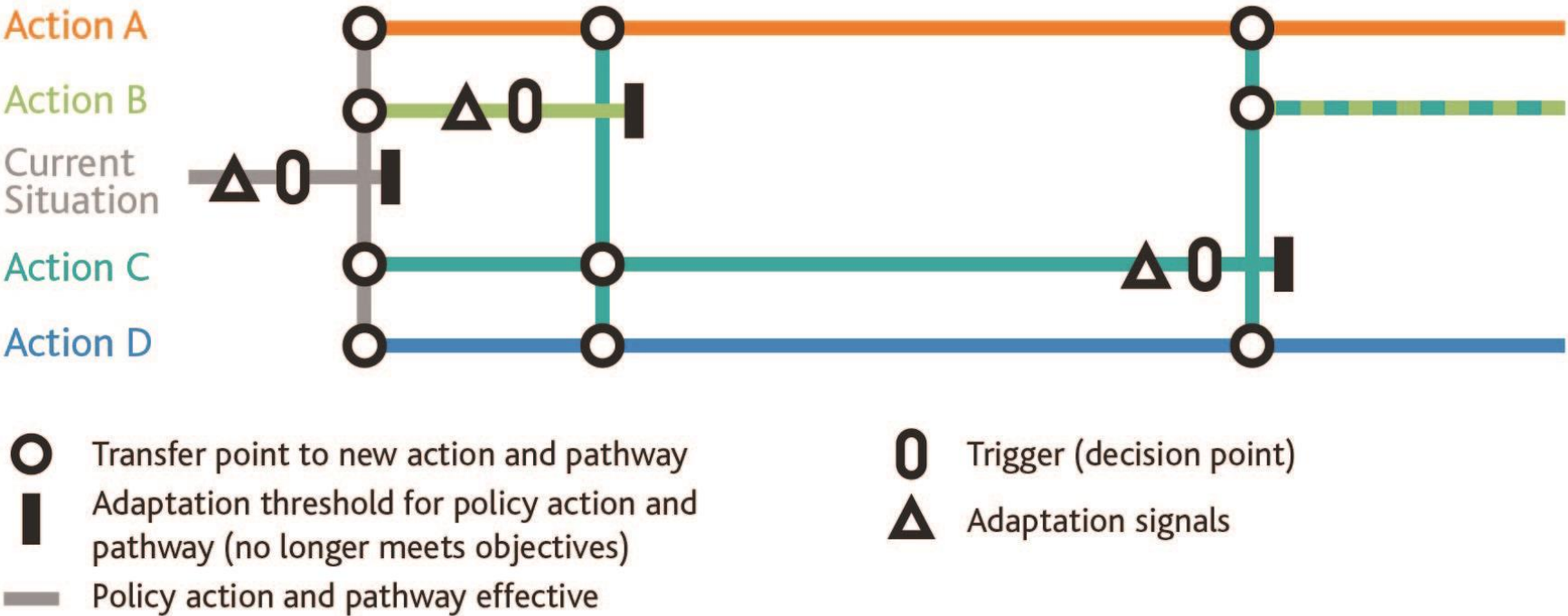
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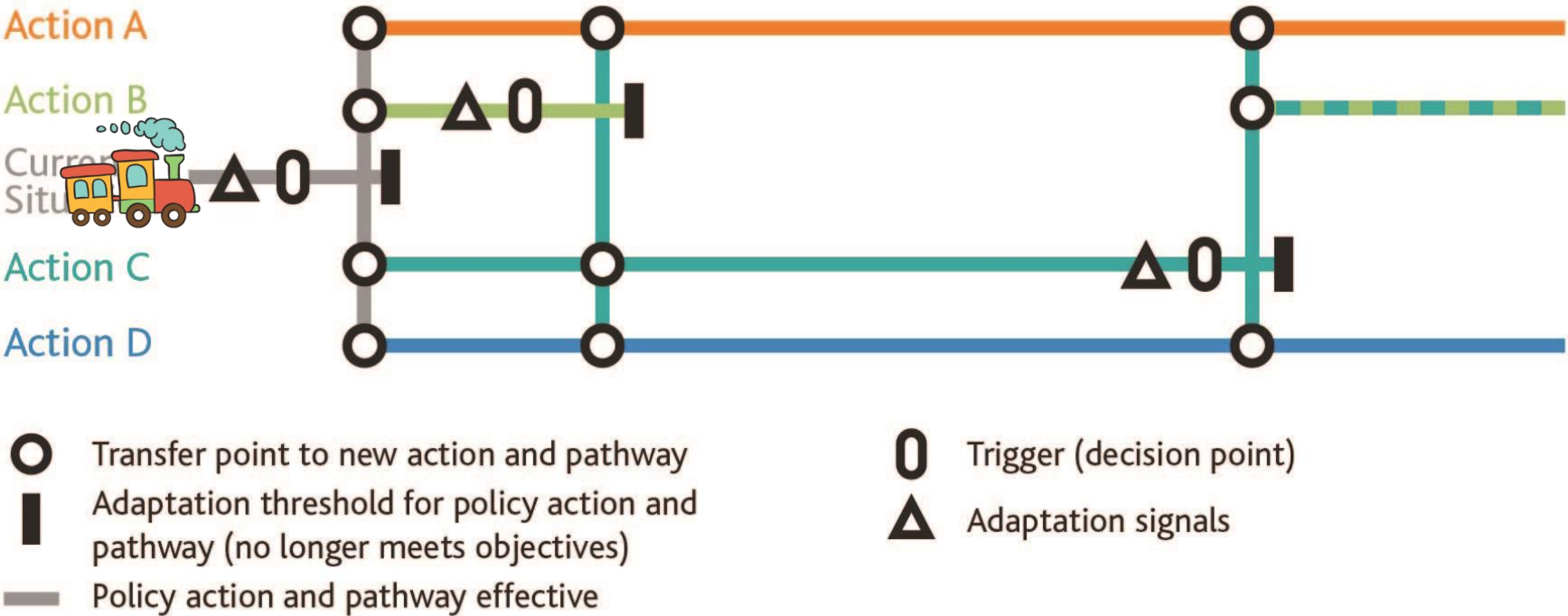
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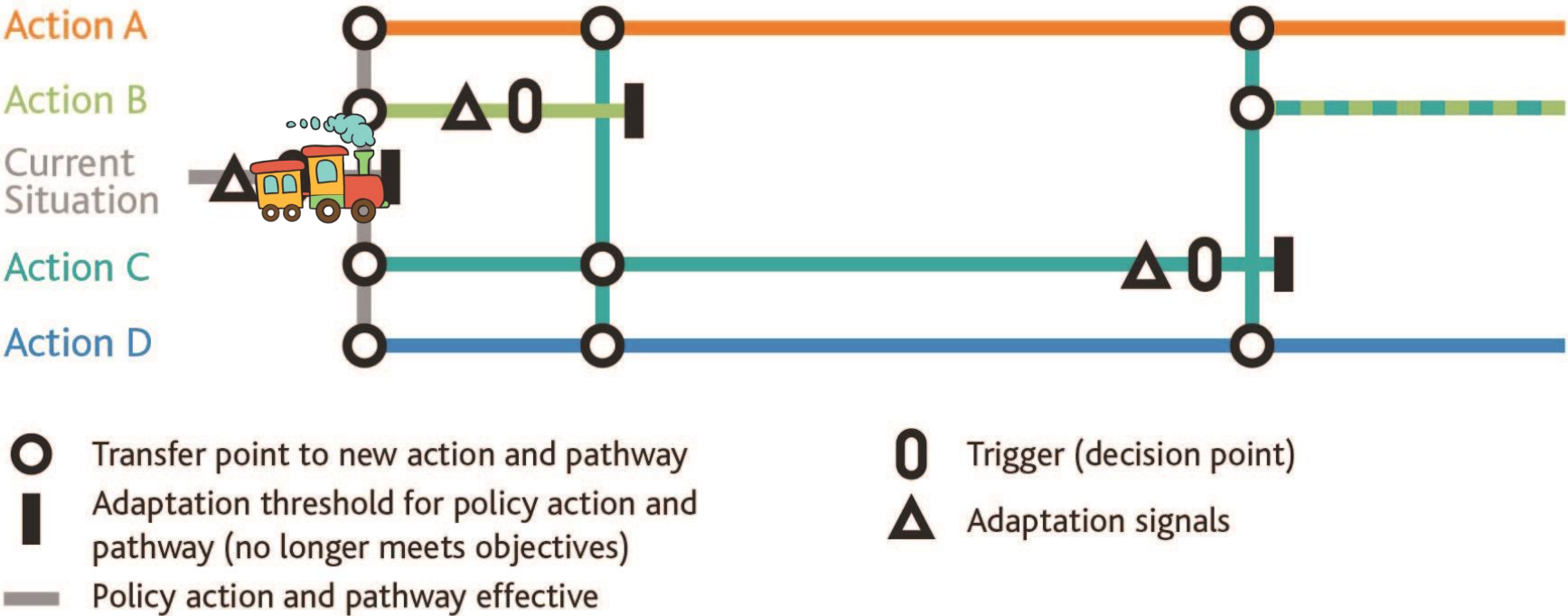
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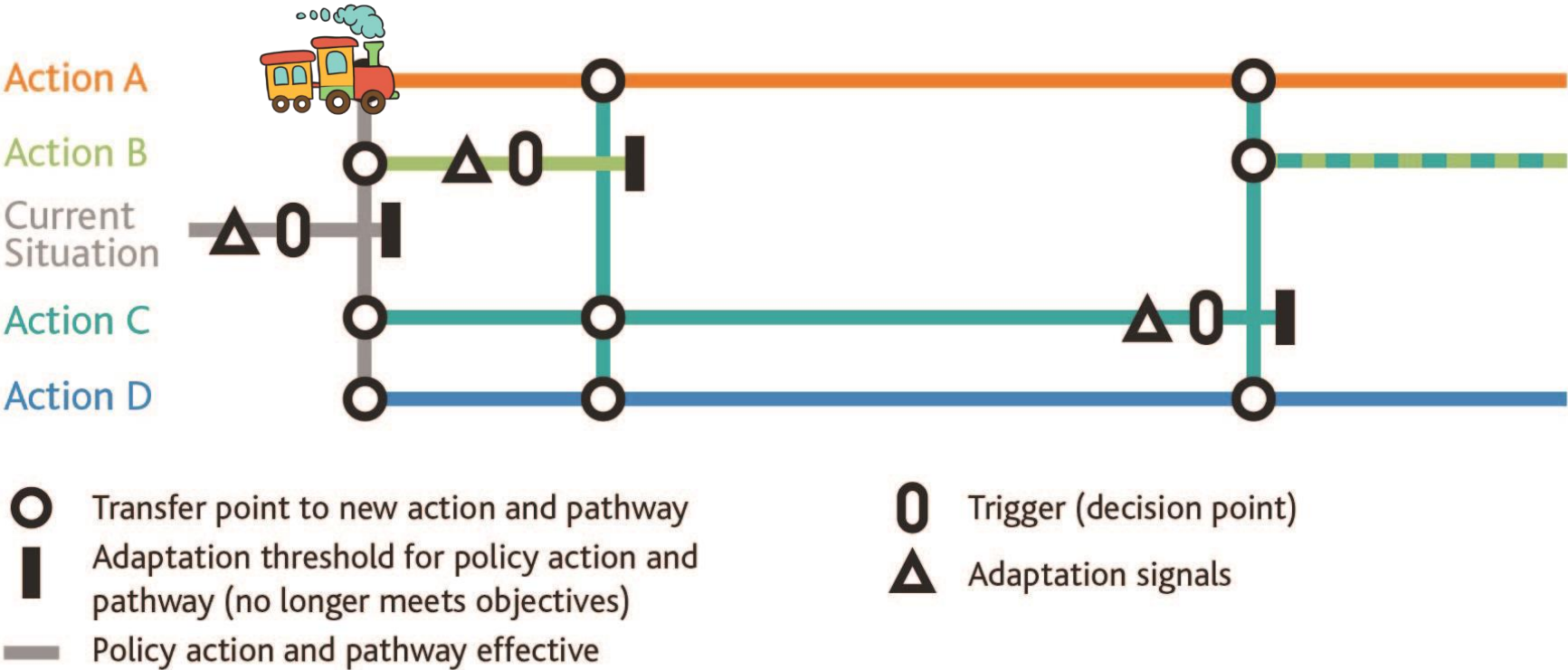
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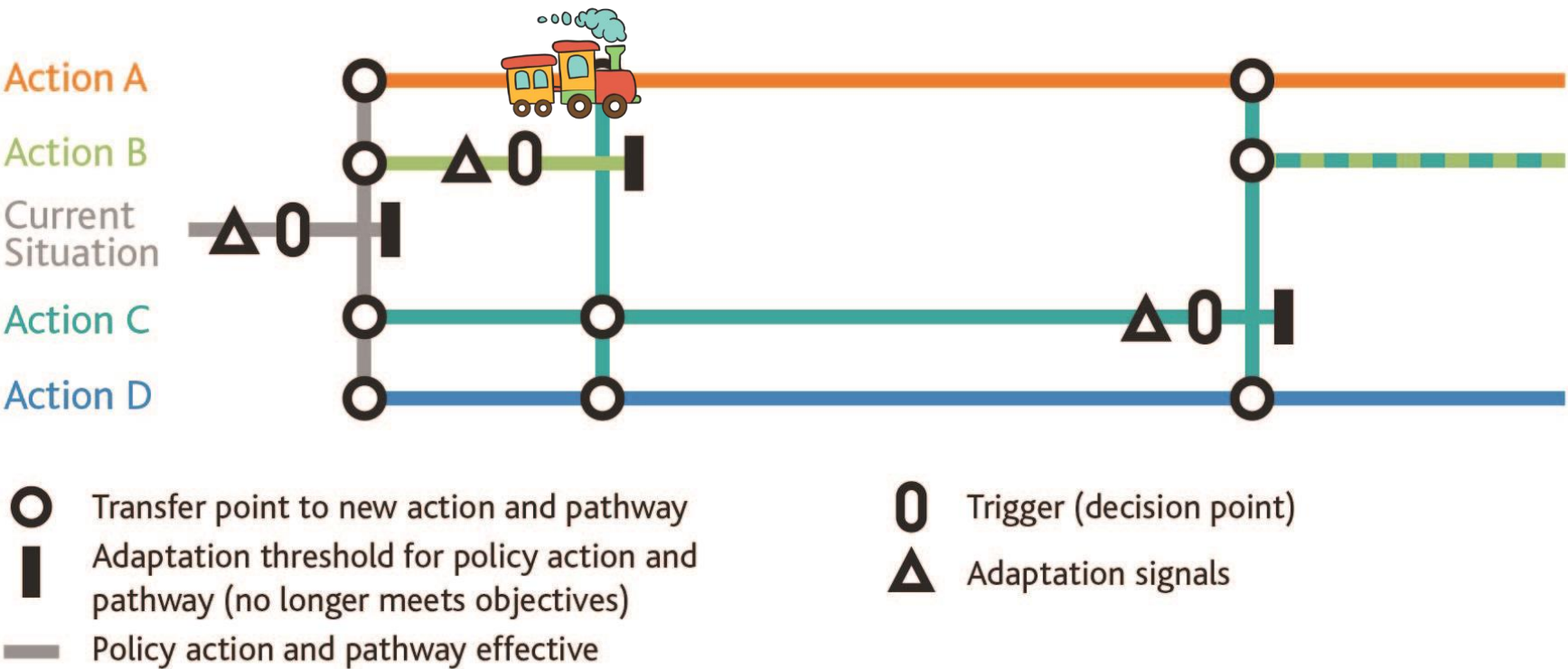
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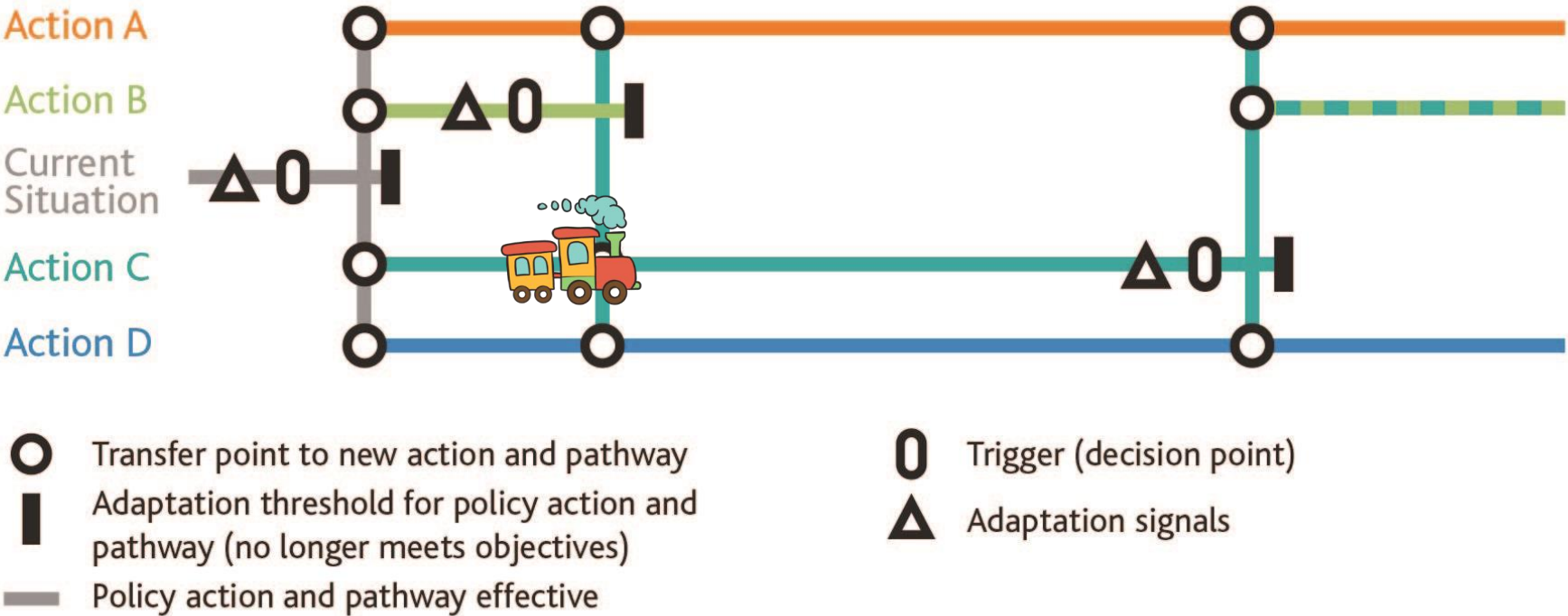
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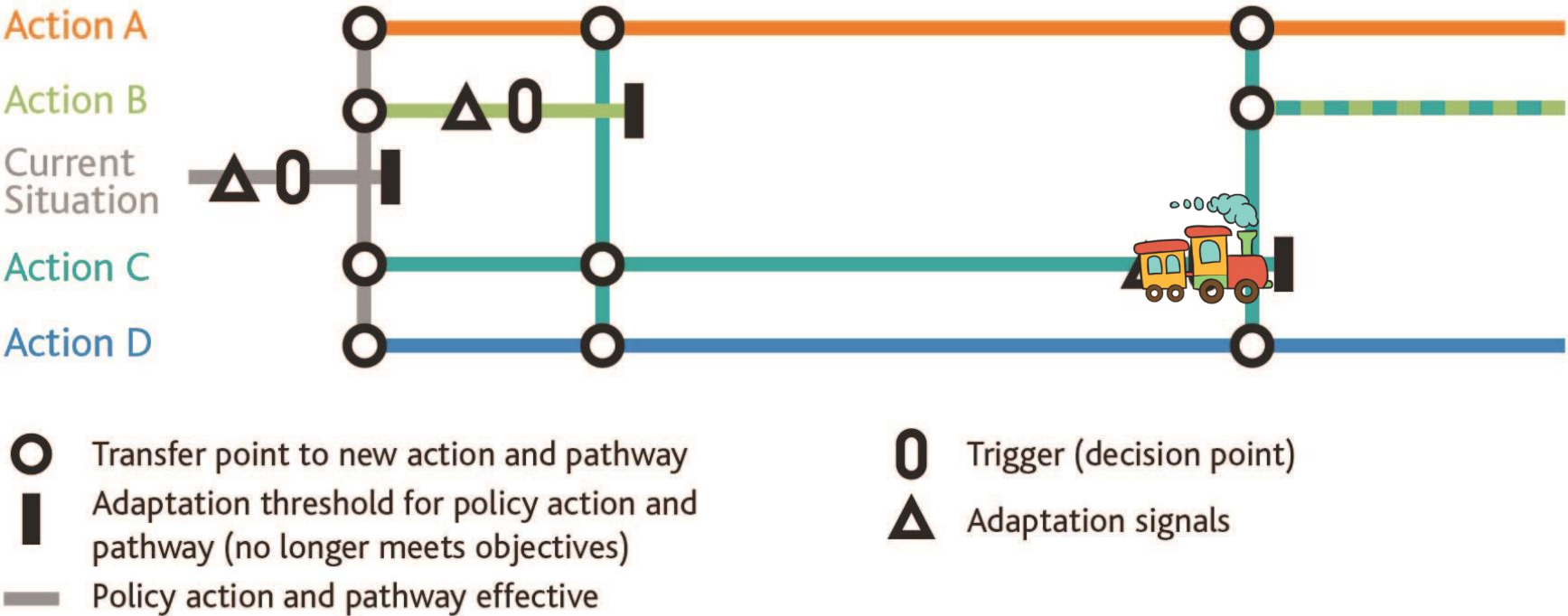
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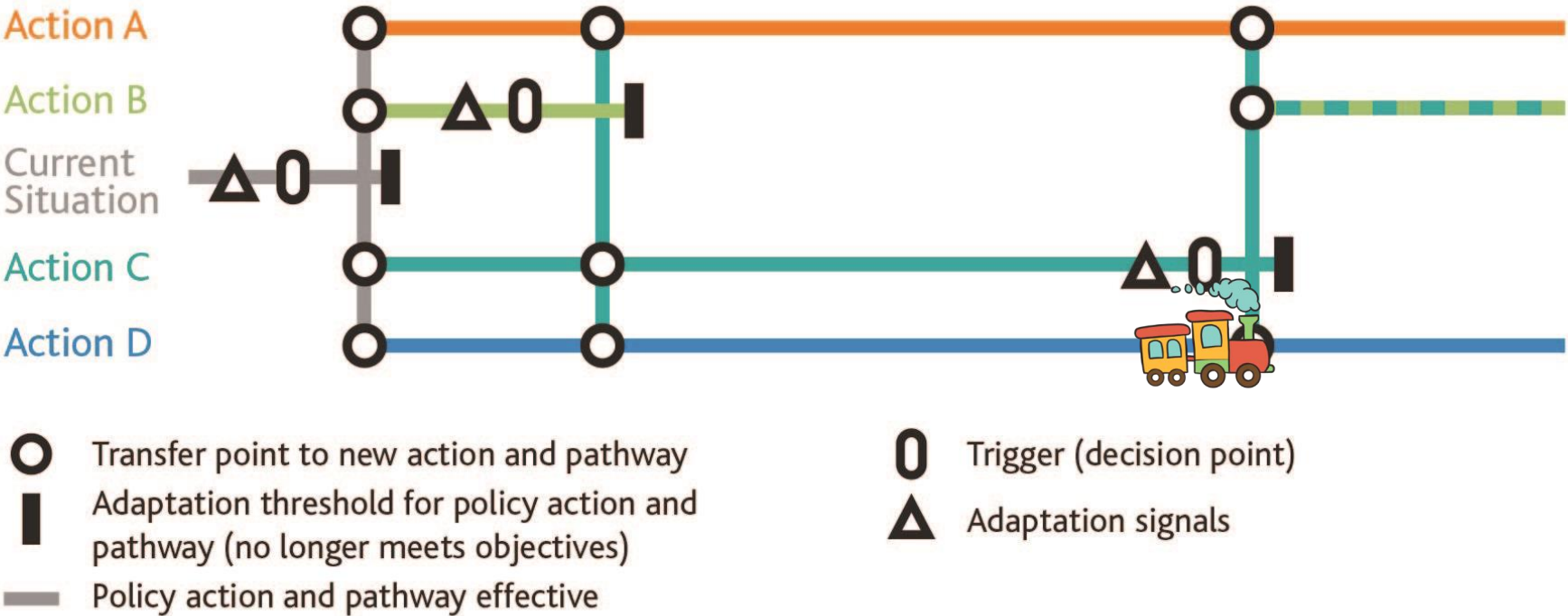
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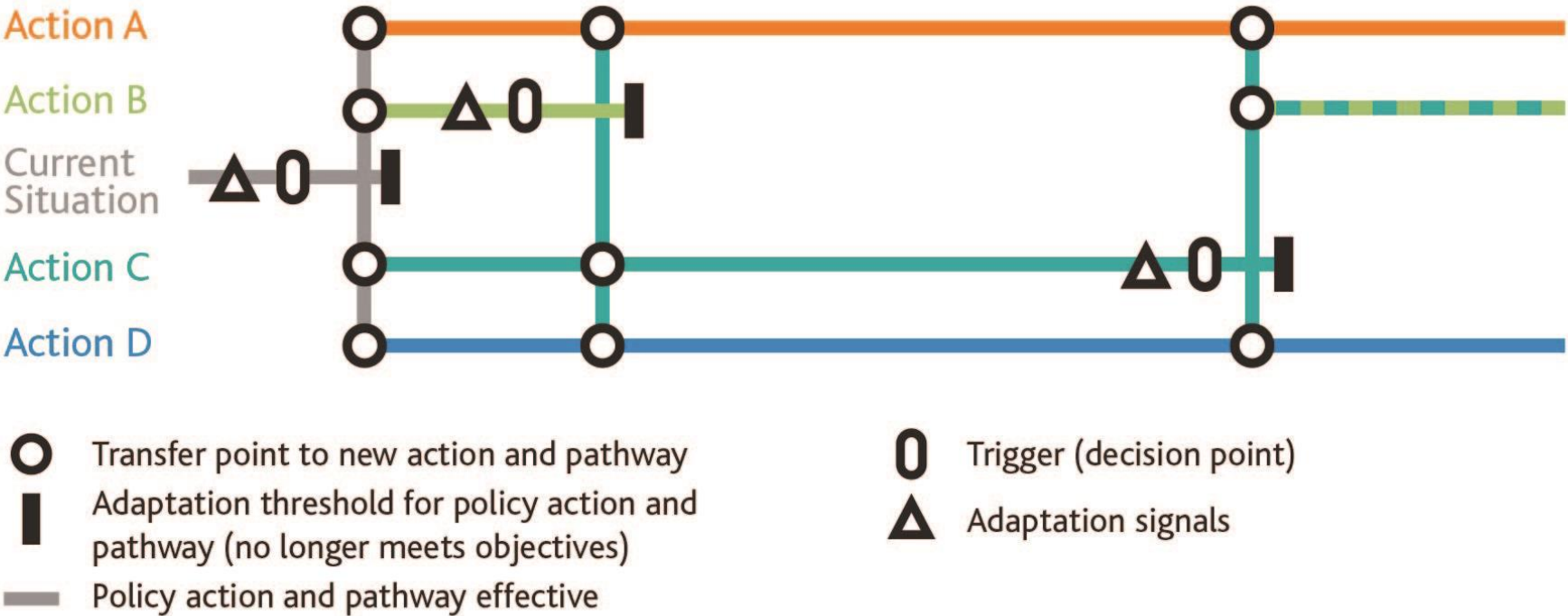
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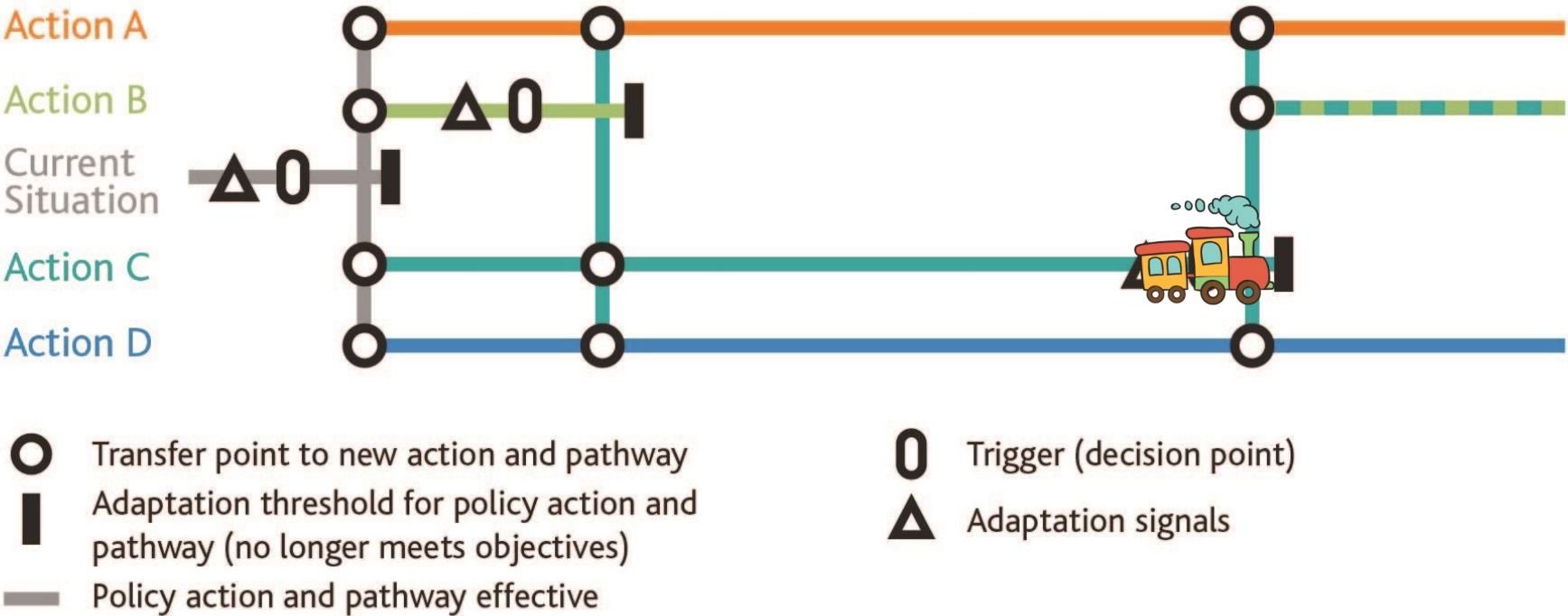
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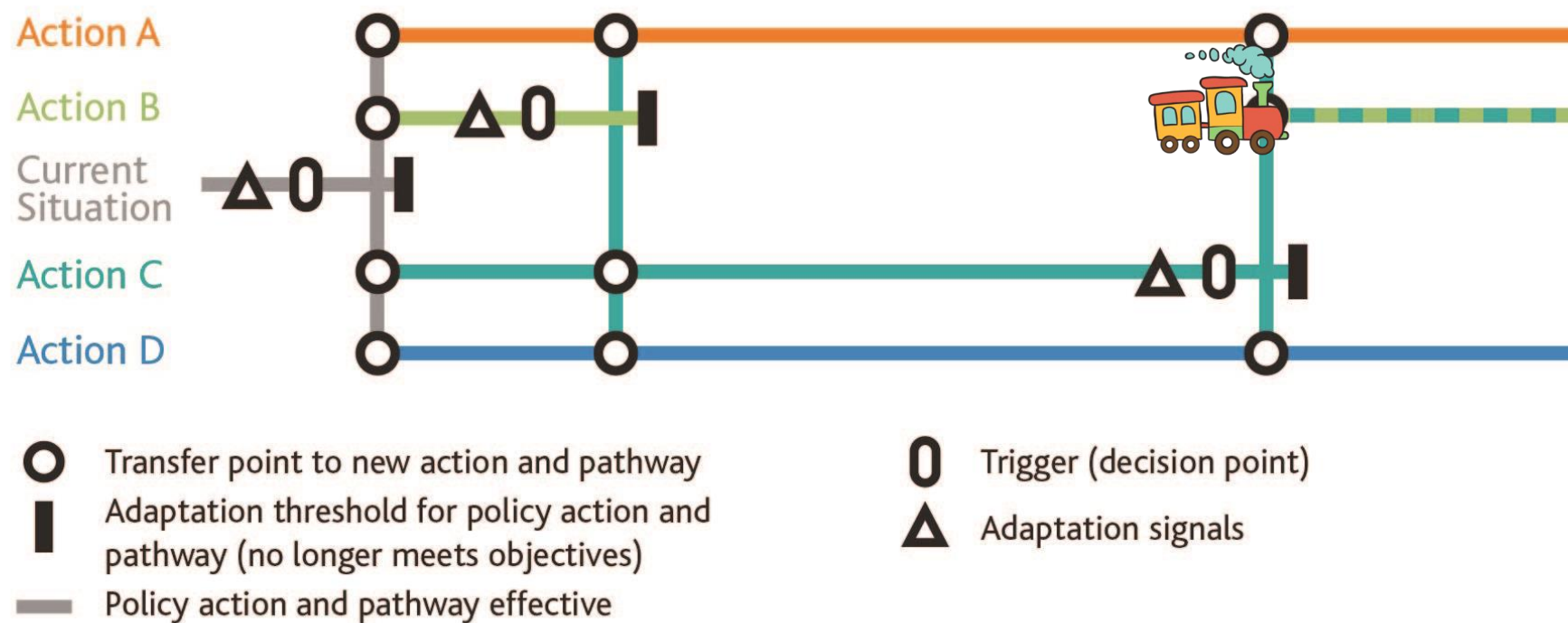
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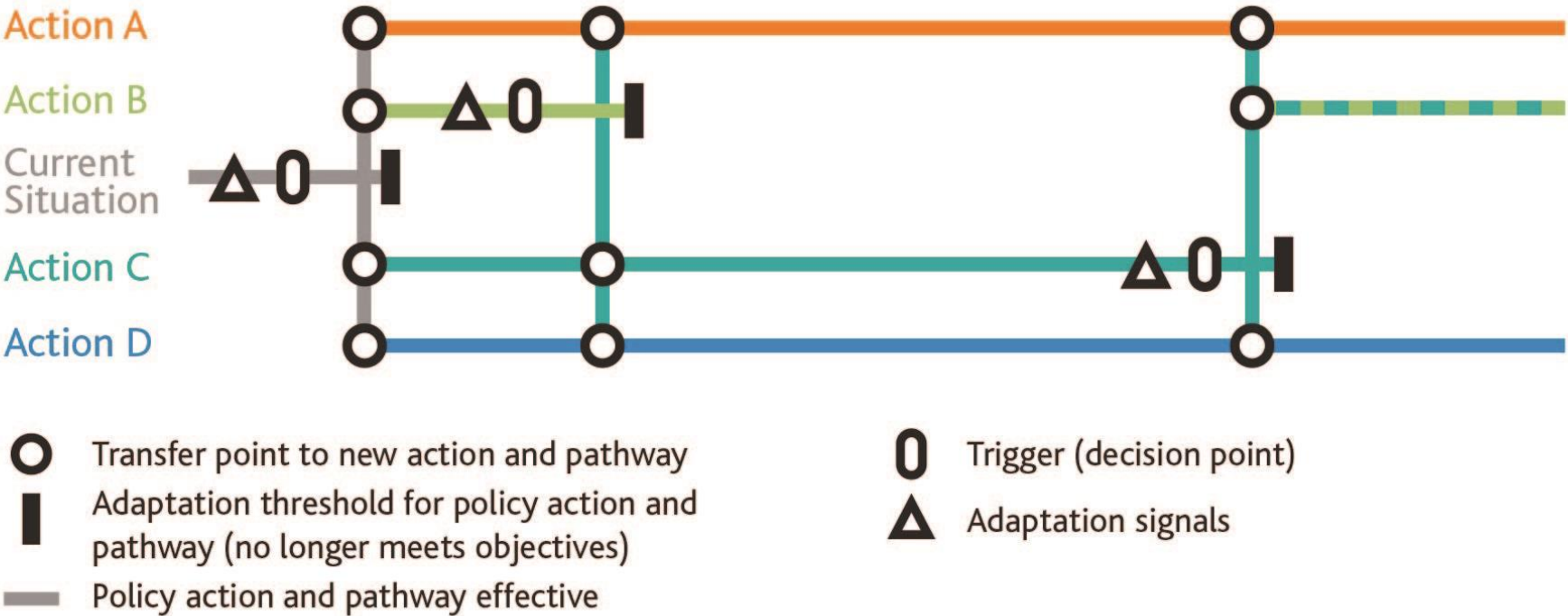
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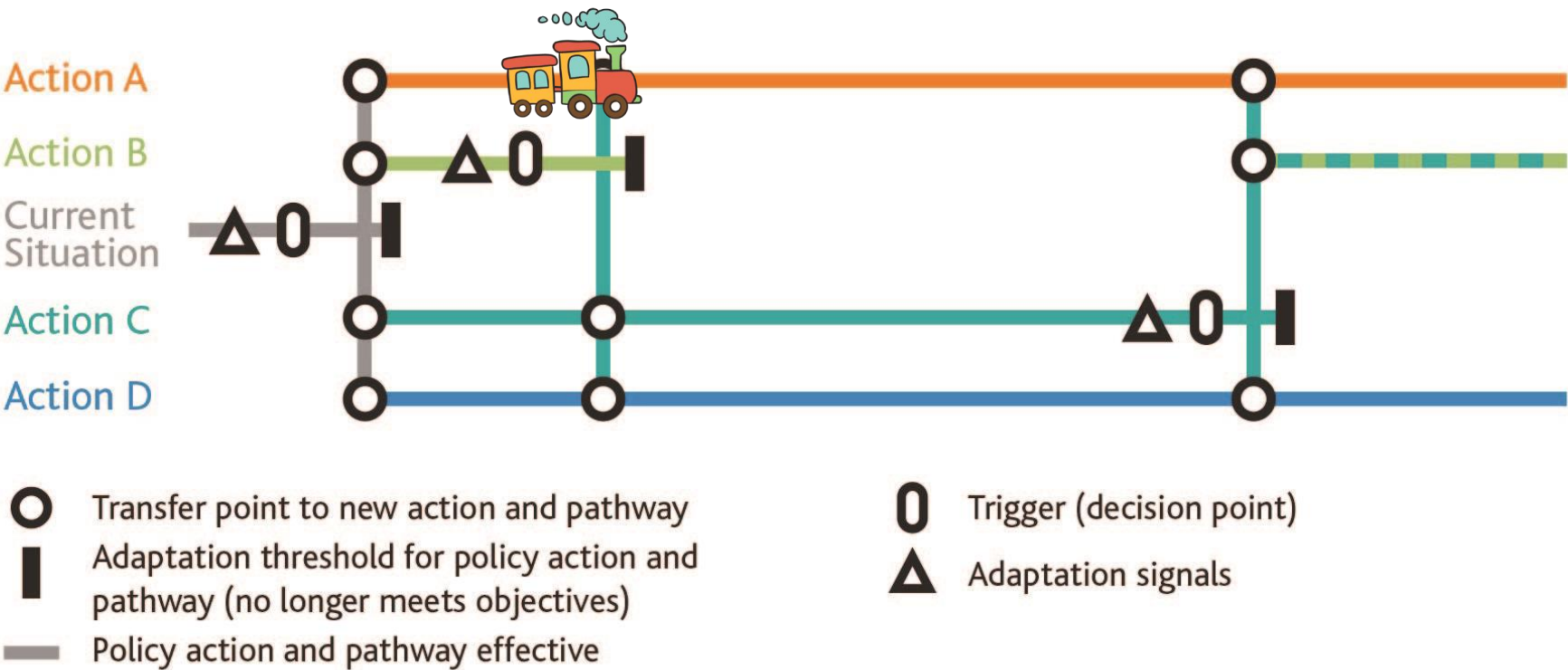
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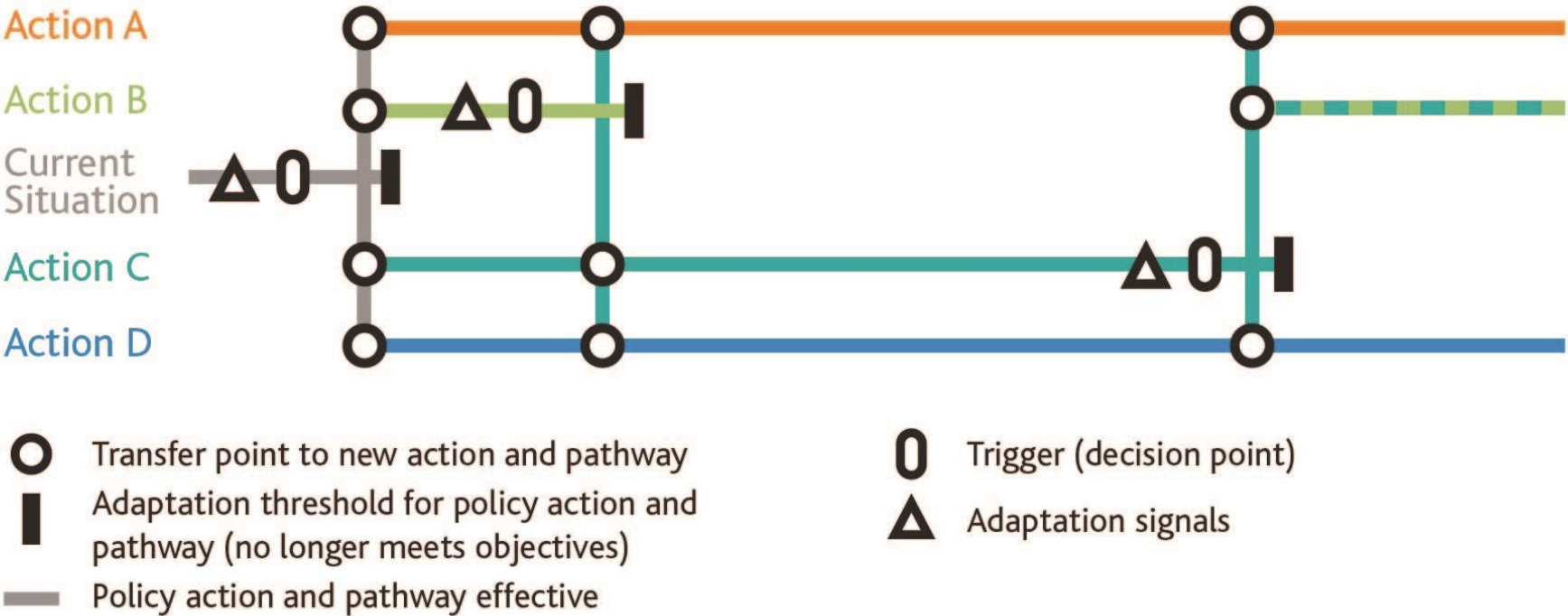
WHAT DOES IT LOOK LIKE?



WHAT DOES IT LOOK LIKE?



WHAT DOES IT LOOK LIKE?



DAPP

Proactive and dynamic planning that explicitly considers decision-making over time, responding to how the future unfolds.

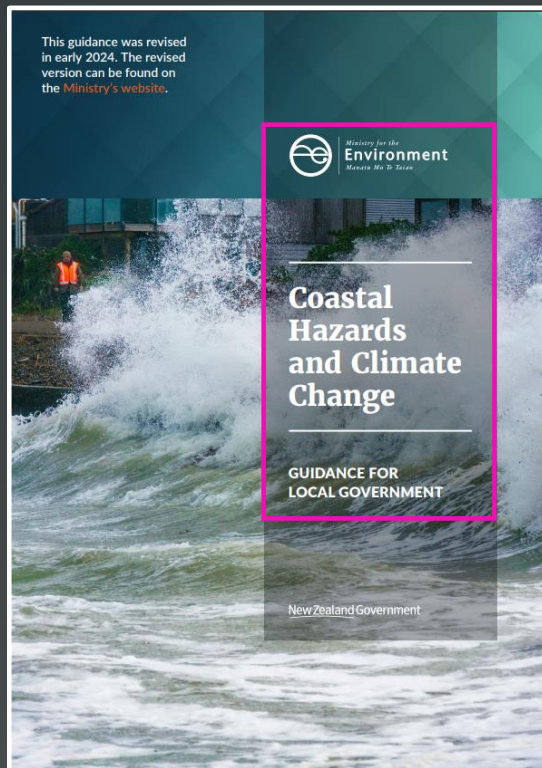
A photograph of a person standing on a grassy hill under a dark sky. The person is wearing a red and white striped shirt and dark pants. The text "HOW IS IT RELEVANT TO NZ?" is overlaid in white capital letters on the dark background of the image.

HOW IS IT RELEVANT TO NZ?

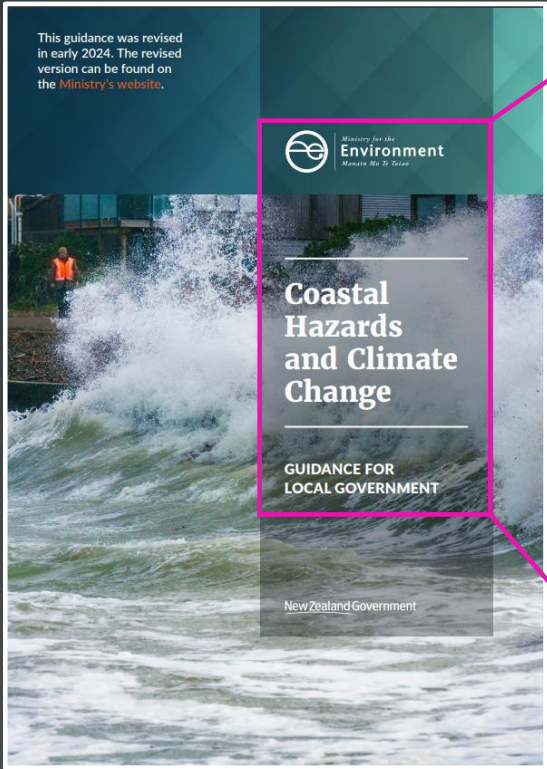
HOW IS IT RELEVANT TO NZ?



HOW IS IT RELEVANT TO NZ?



HOW IS IT RELEVANT TO NZ?



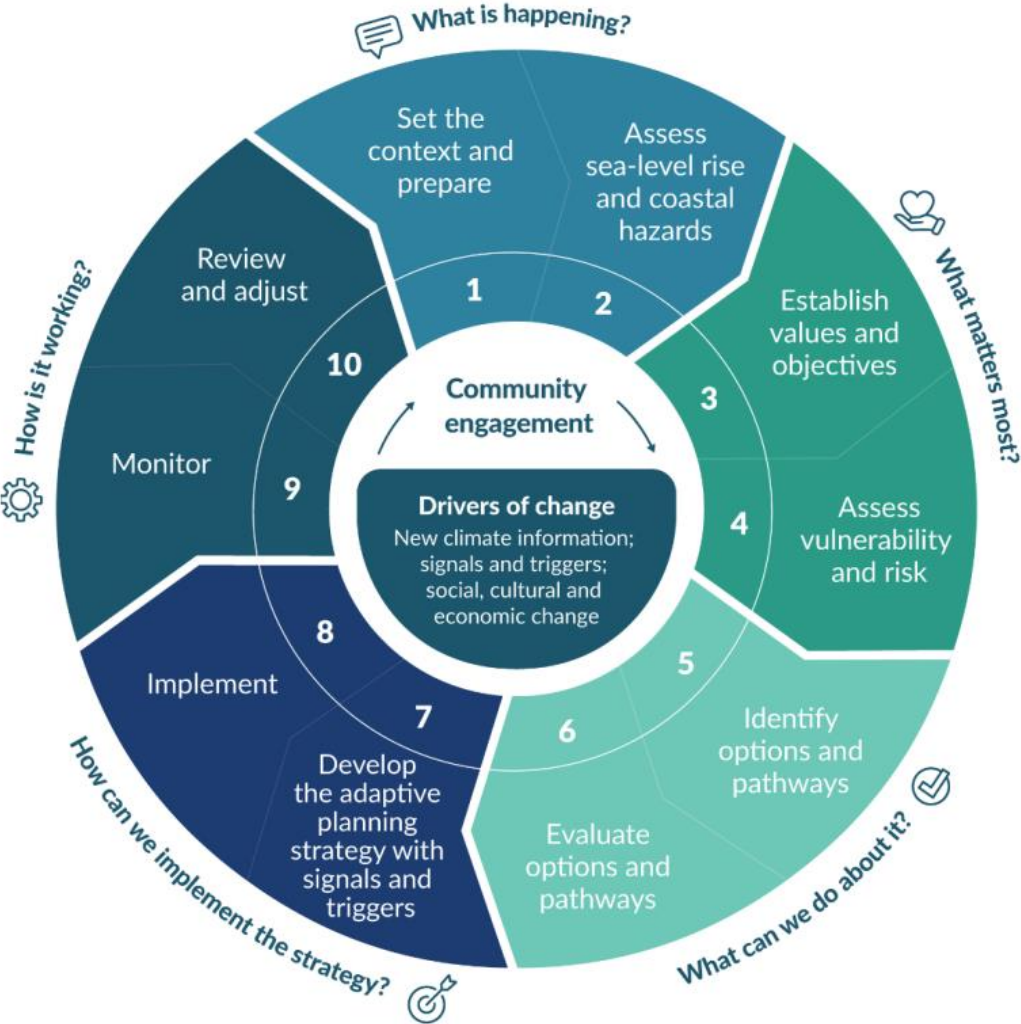
HOW IS IT RELEVANT TO NZ?



HOW IS IT RELEVANT TO NZ?

2017
↘2024
↘

Item 1, Presentation



3. WAIHI BEACH LIFEGUARDS

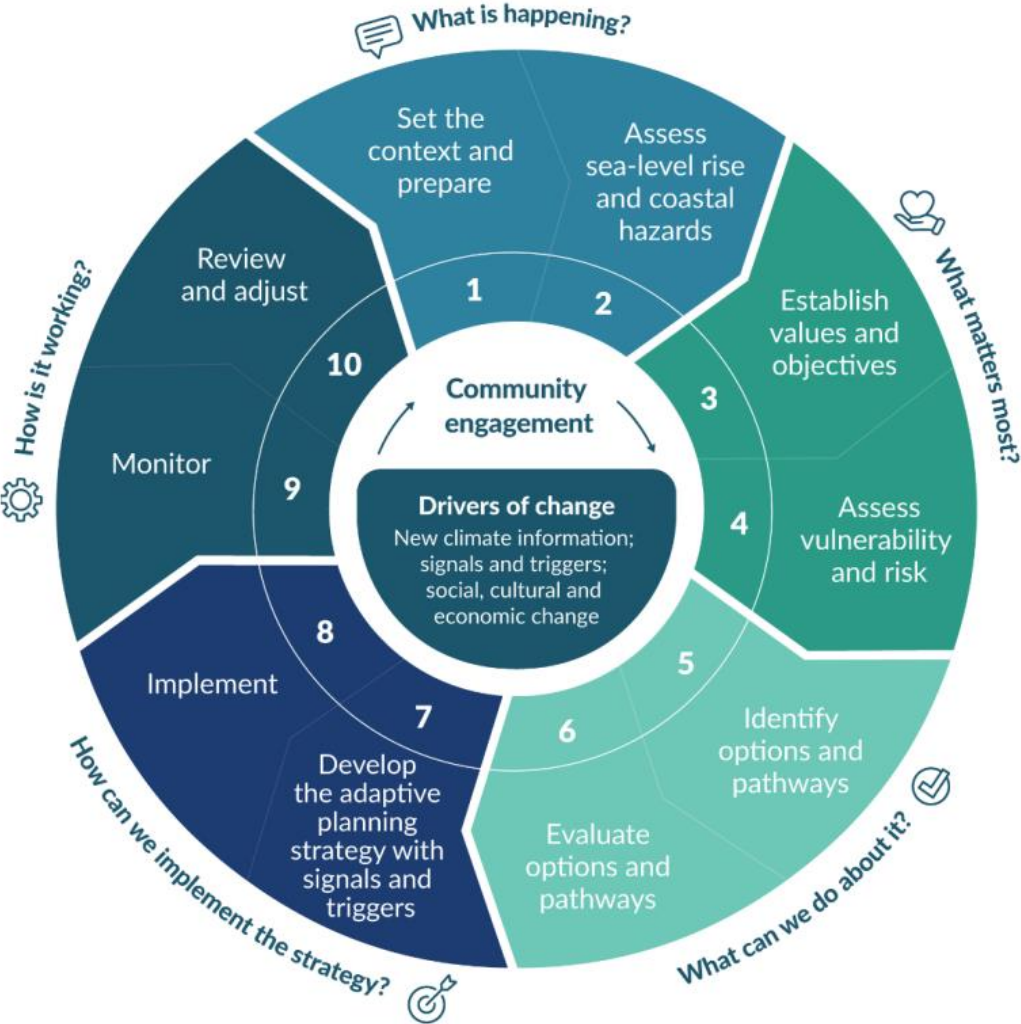
THE PROCESS IN ACTION

Item 1, Presentation

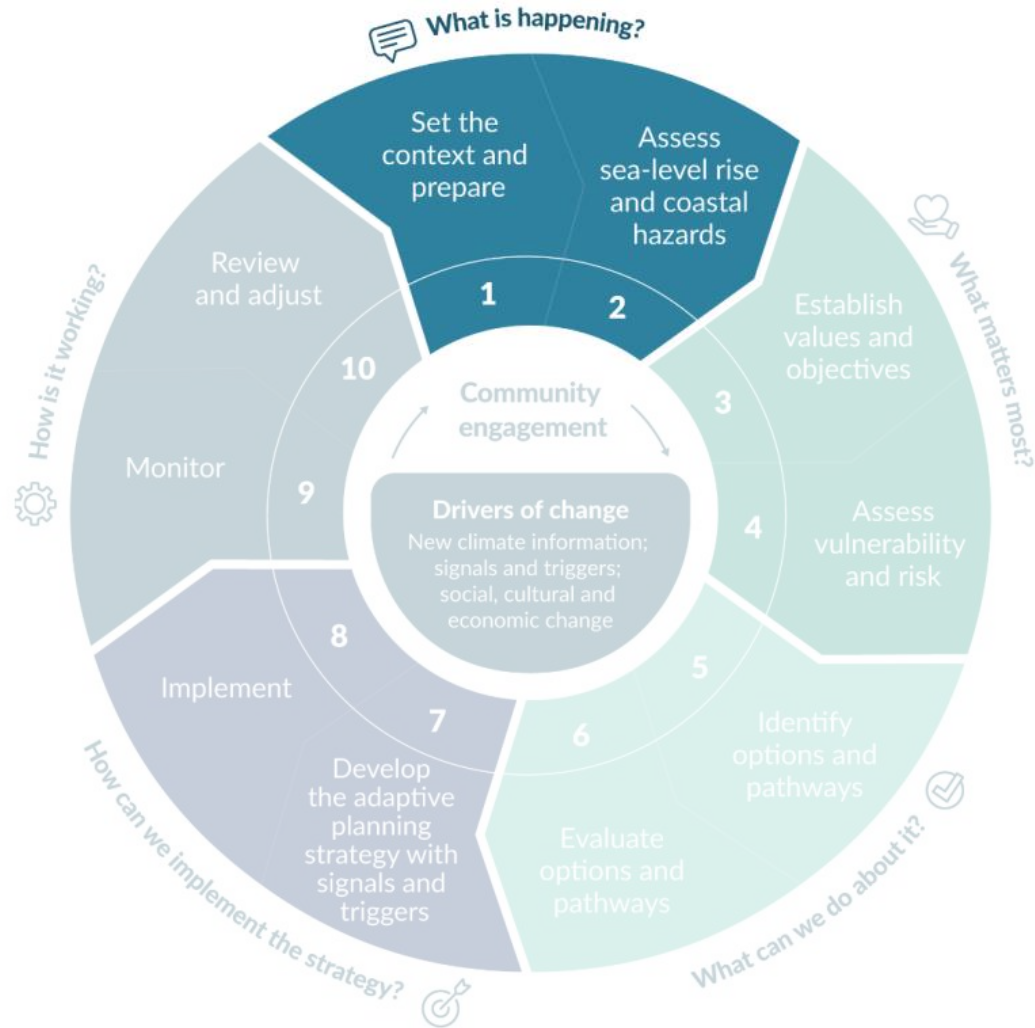


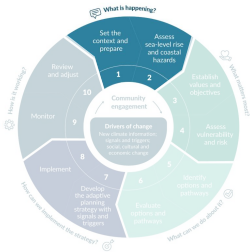
FIRST WORKSHOP

Item 1, Presentation



Item 1, Presentation





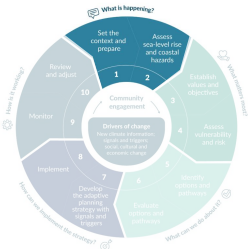
WHAT IS HAPPENING?

GNS REPORT

COASTAL INUNDATION FINDINGS

With as little as 10 cm of sea level rise, the entire SLSC building could be affected by flooding during any flood event greater than 10 years.

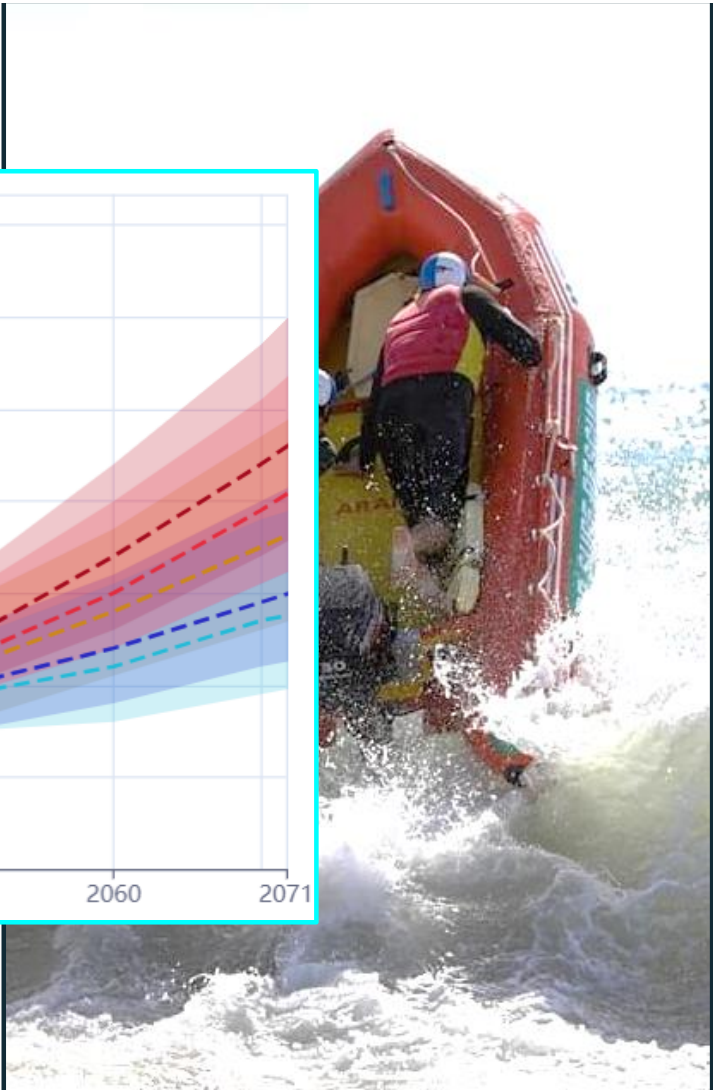
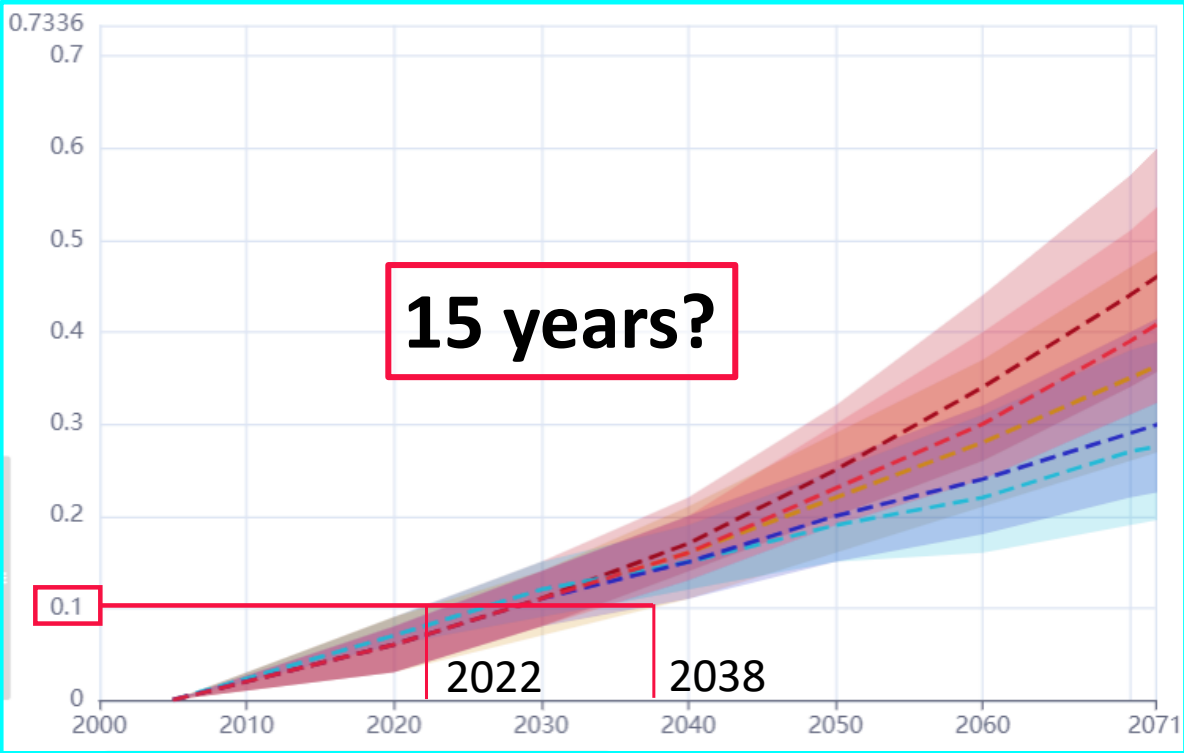




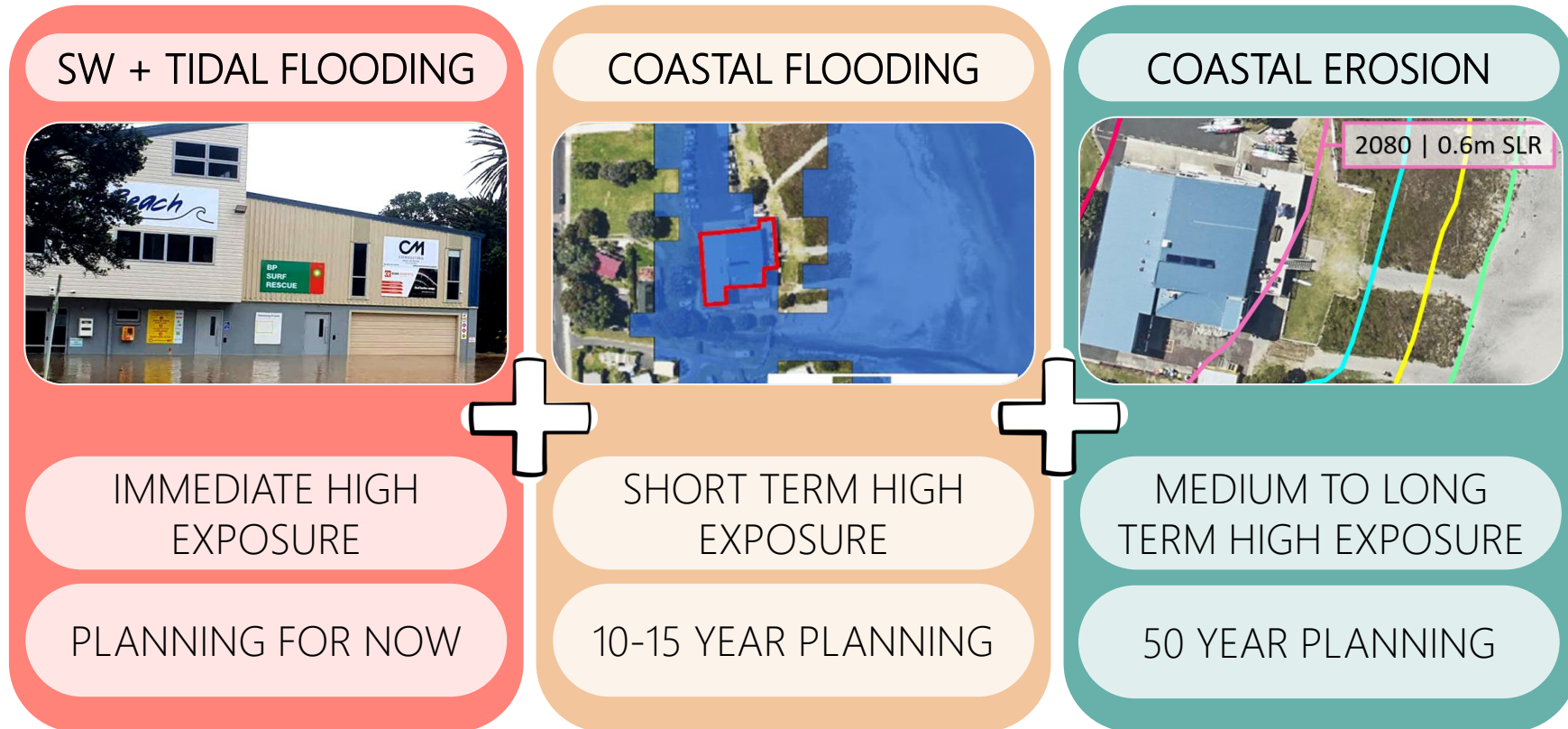
WHAT IS

COASTAL

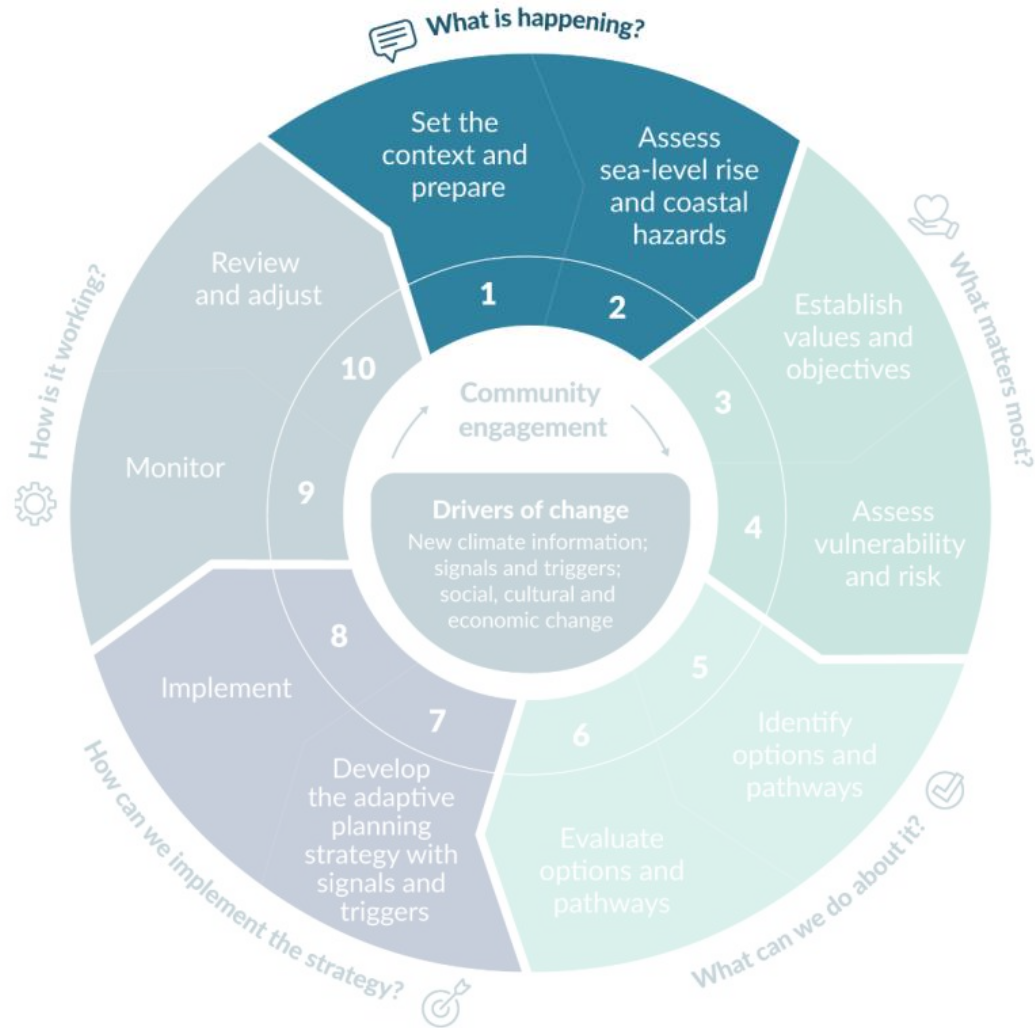
With as little as 0.1m sea level rise, the entire coastline will be affected by event greater than 1m



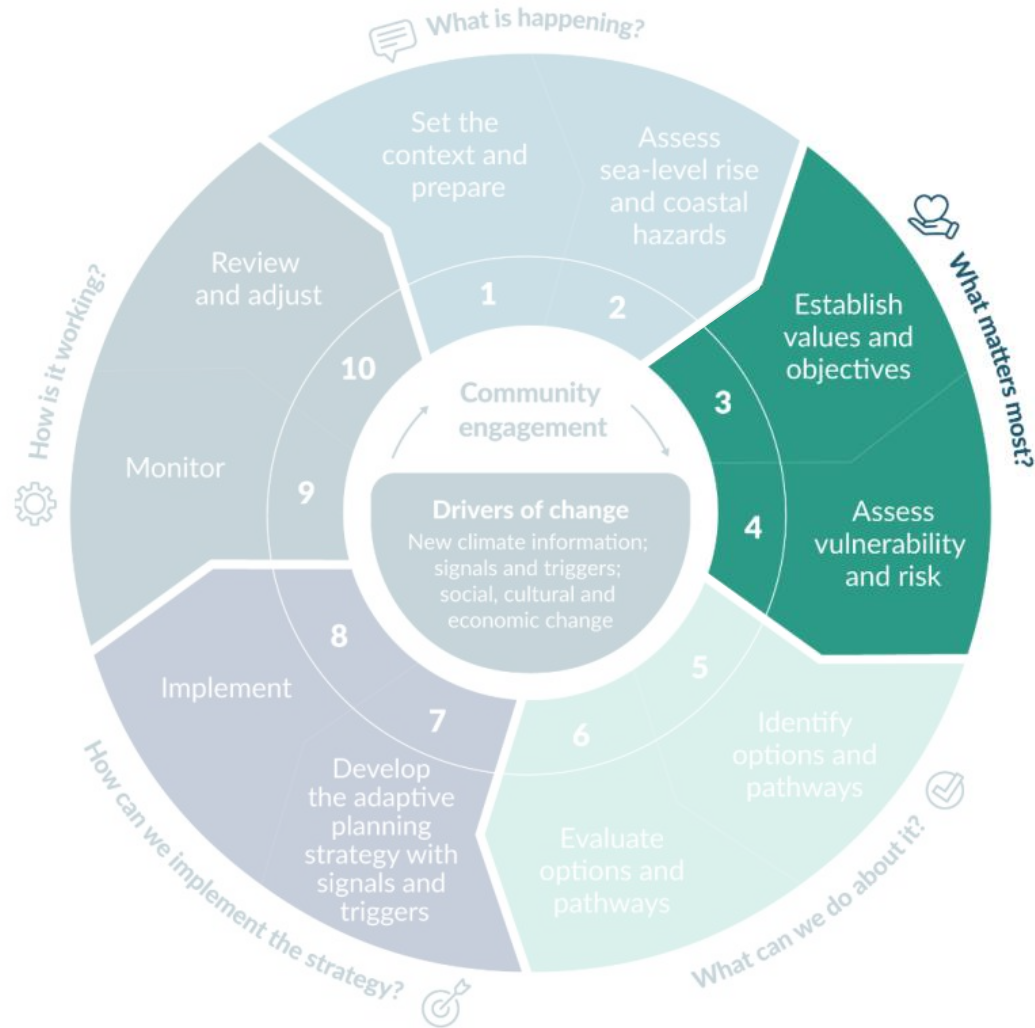
WHAT IS HAPPENING



Item 1, Presentation



Item 1, Presentation



WHAT MATTERS MOST

OBJECTIVE 1

**PATROL COVERAGE & OPERATING HUB WITH BEACH ACCESS
DURING PEAK MONTHS**

OBJECTIVE 2

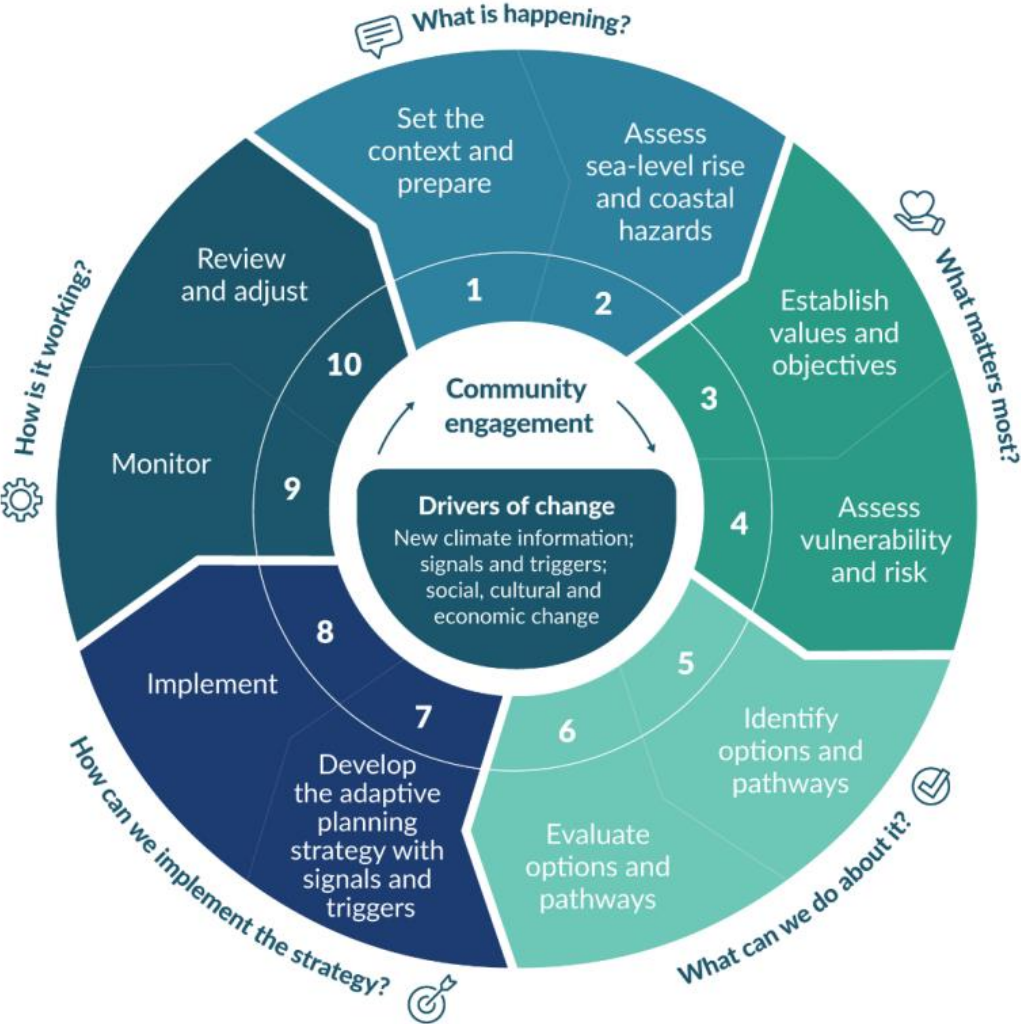
**SEARCH AND RESCUE SQUAD WITH 24/7 SECURE EQUIPMENT
STORAGE & ACCESS**

OBJECTIVE 3

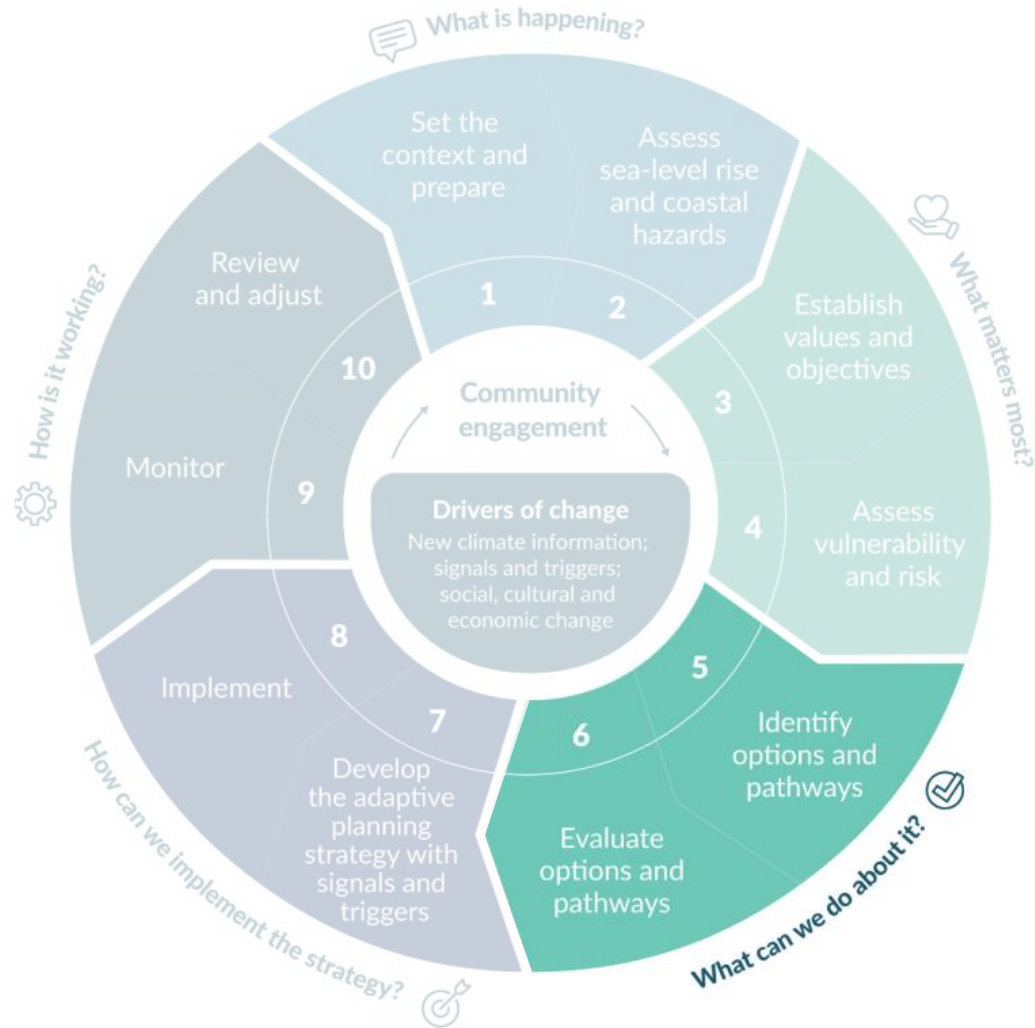
**YEAR-ROUND SECURE BUILDING WITH BEACH ACCESS AND
LIFEGUARD ACCOMMODATION**

SECOND WORKSHOP

Item 1, Presentation



Item 1, Presentation



“PARA” FRAMEWORKS FOR HAZARD MANAGEMENT



Protect



Accommodate

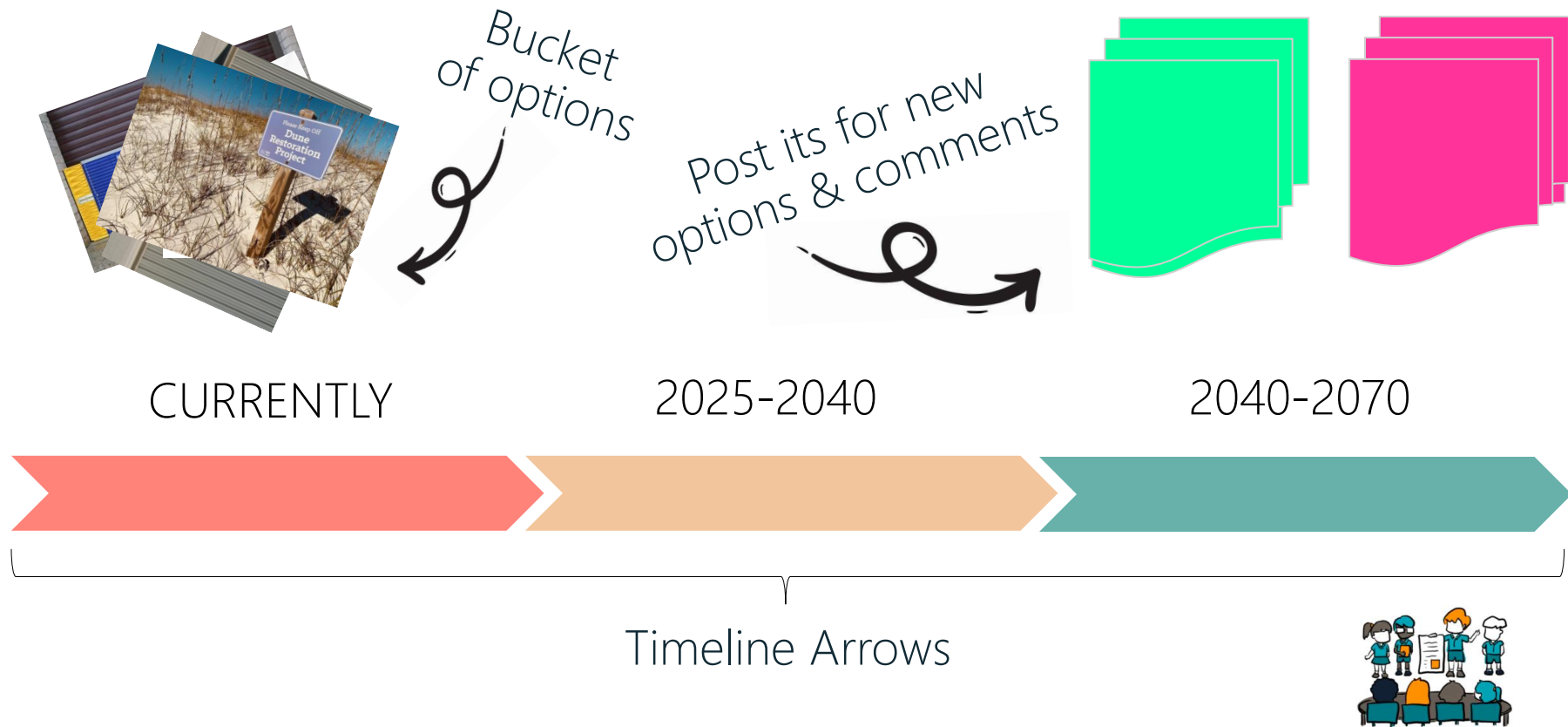


Avoid



Retreat

WHAT CAN BE DONE?



BOARD MEETING

OPTIONS EVALUATION CRITERIA

Practical Feasibility

- Can the option be realistically implemented within current resources?
- Are there any technical or logistical challenges that may hinder implementation?

Affordability

- What are the estimated costs? Does the club have the budget to support it?

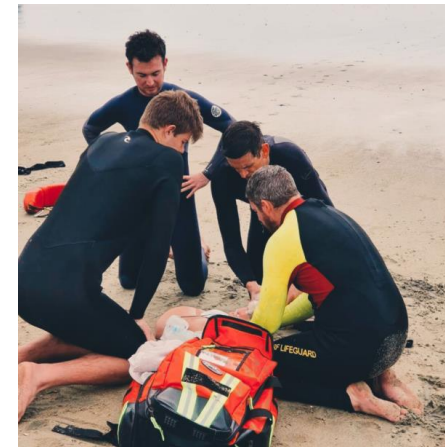
Efficacy & Benefits

- Does the option address the issue?
- What are the potential benefits of choosing this option?

Community Support

- Is the option supported by the community and in line with their thinking?

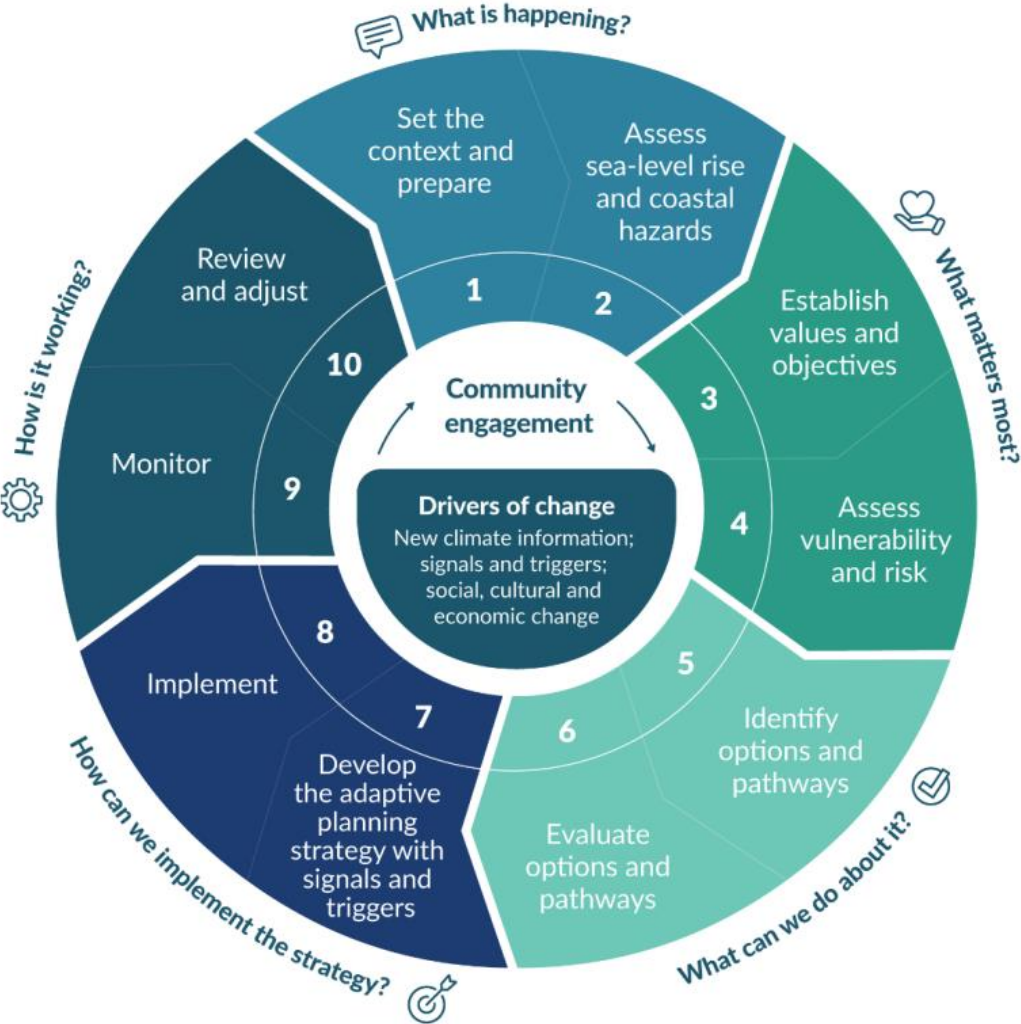
2023



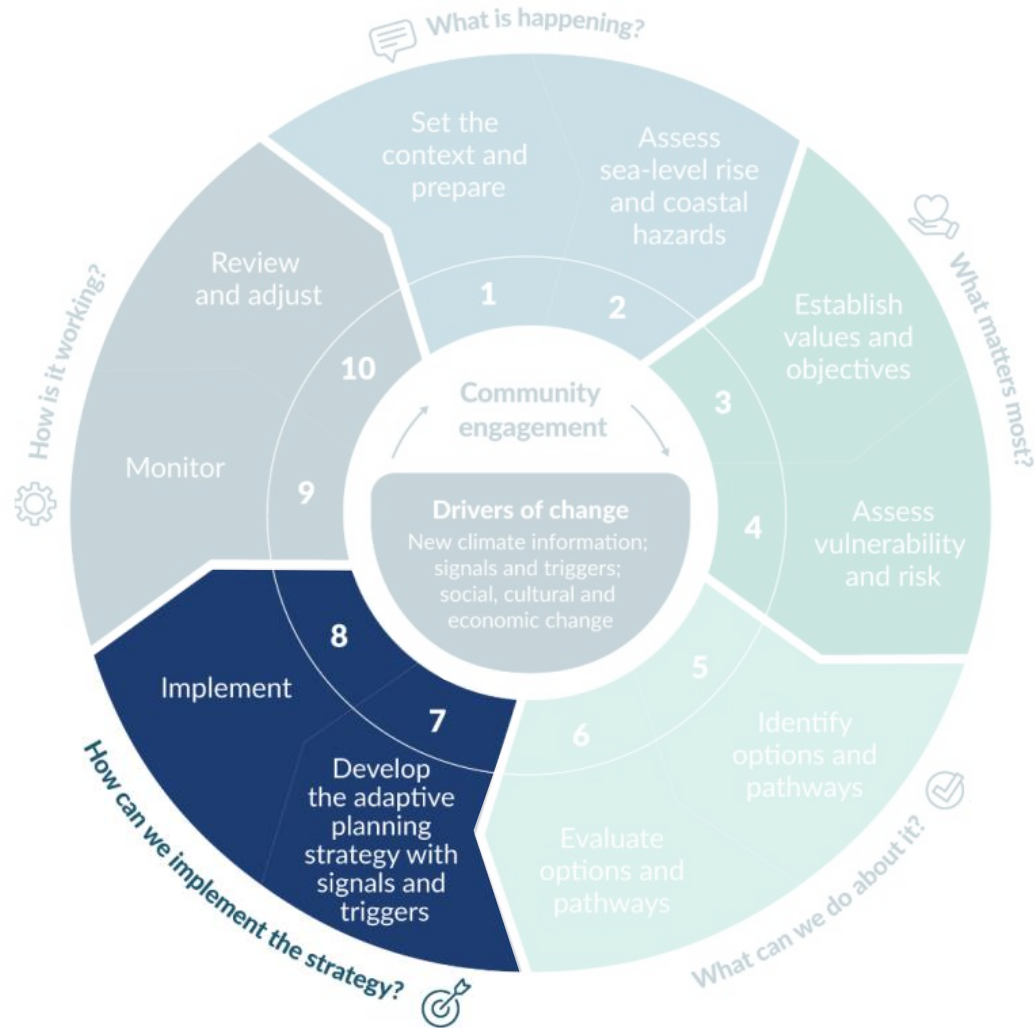
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CO-DEVELOPMENT OF DAPP

Item 1, Presentation



Item 1, Presentation



Adaptive Plan : Components



2023

61

Adaptive Plan : Components

IMMEDIATE

Management strategies:

ACCOMMODATE + PROTECT

Planned actions include:

- Enhancing dune protection
- Improve warning systems
- Continue with sandbags
- Temporary SAR storage



Adaptive Plan : Components

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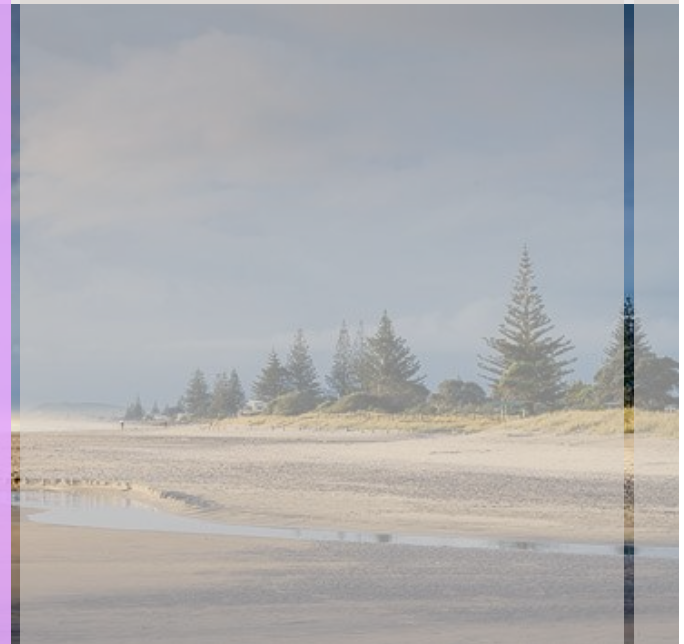
NEAR-TERM

Management strategies:

PROTECT + AVOID

Planned actions include:

- Enhancing dune protection
- Redesign ground floor with flood mitigation
- Build Bowentown Hub



Adaptive Plan : Components

IMMEDIATE

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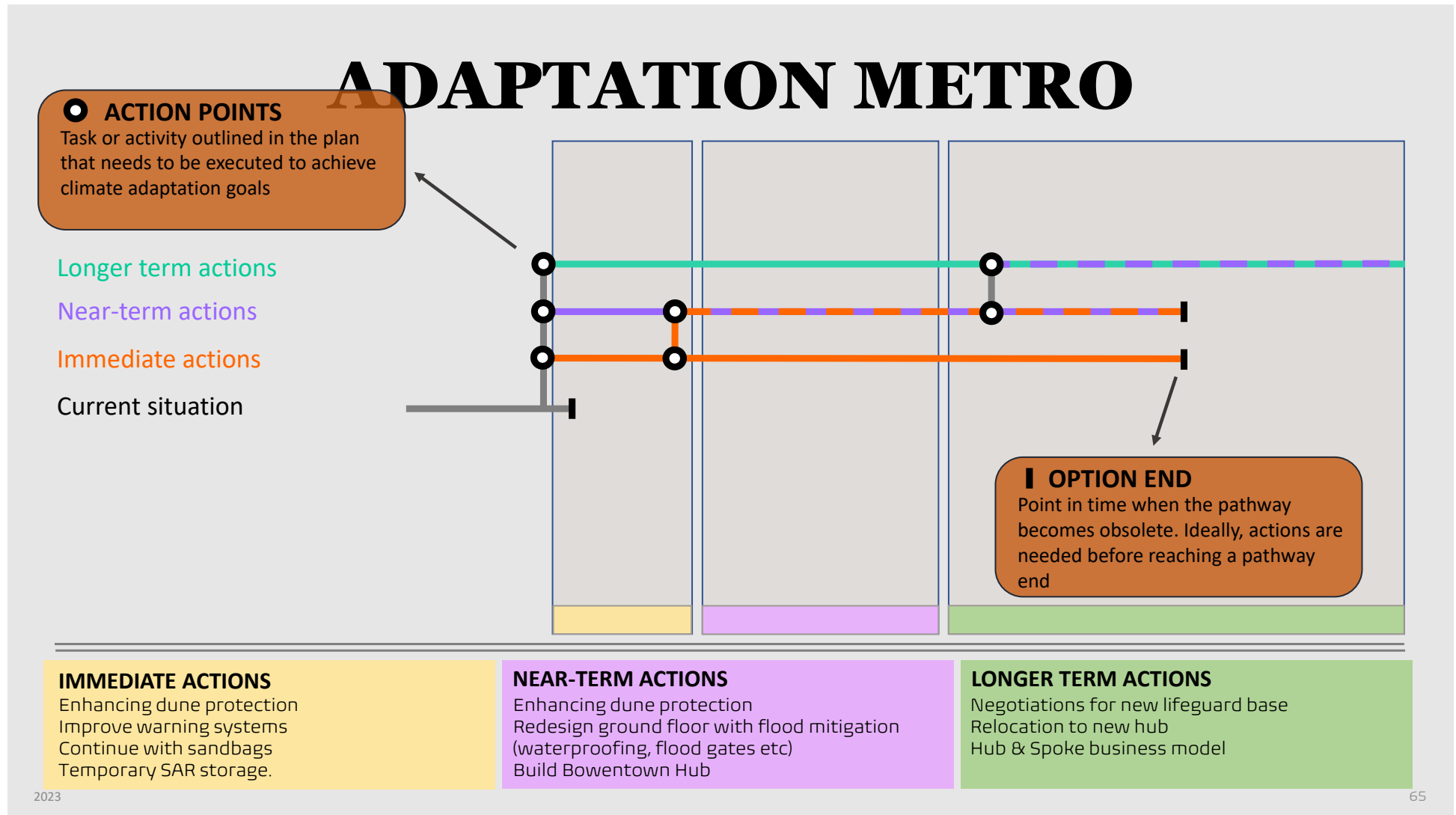
LONGER TERM

Management strategies:

AVOID + RETREAT

Planned actions include:

- Negotiations for new lifeguarding base
- Relocation to new hub
- Hub & Spoke operating model



ADAPTATION METRO

Longer term actions

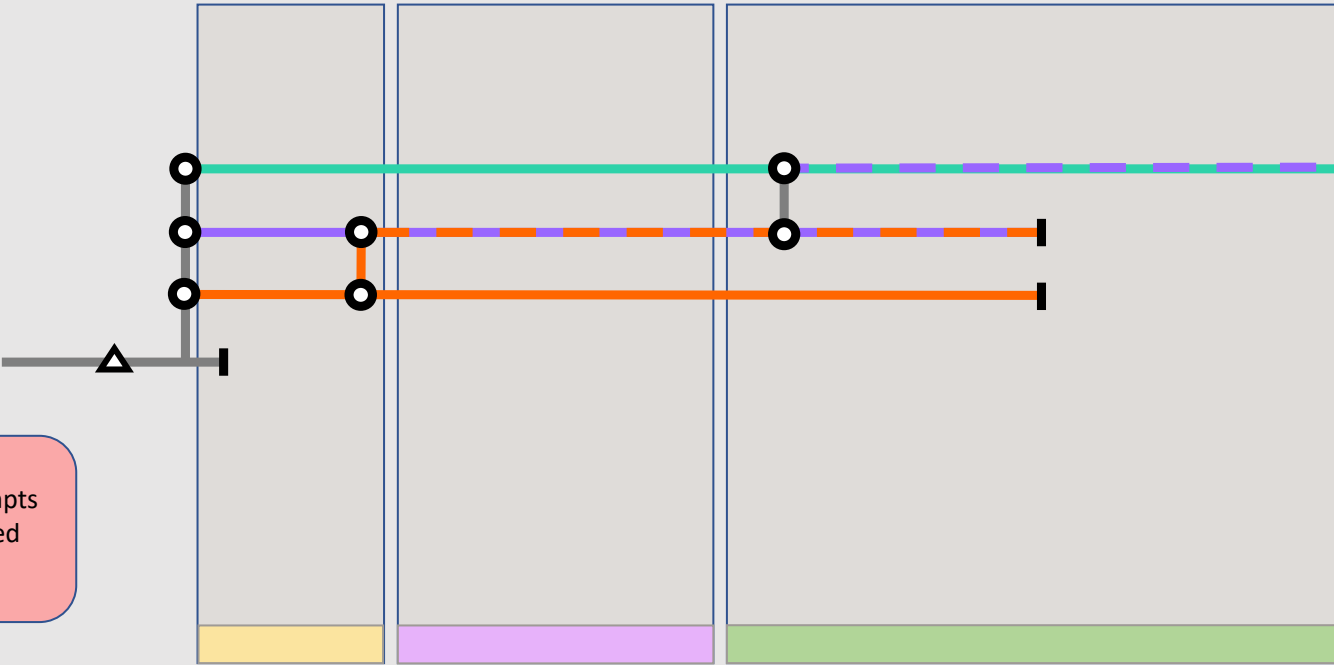
Near-term actions

Immediate actions

Current situation

▲ TRIGGER

Event(s) or condition(s) that prompts the implementation of pre-planned climate adaptation actions



IMMEDIATE ACTIONS

Enhancing dune protection
Improve warning systems
Continue with sandbags
Temporary SAR storage.

NEAR-TERM ACTIONS

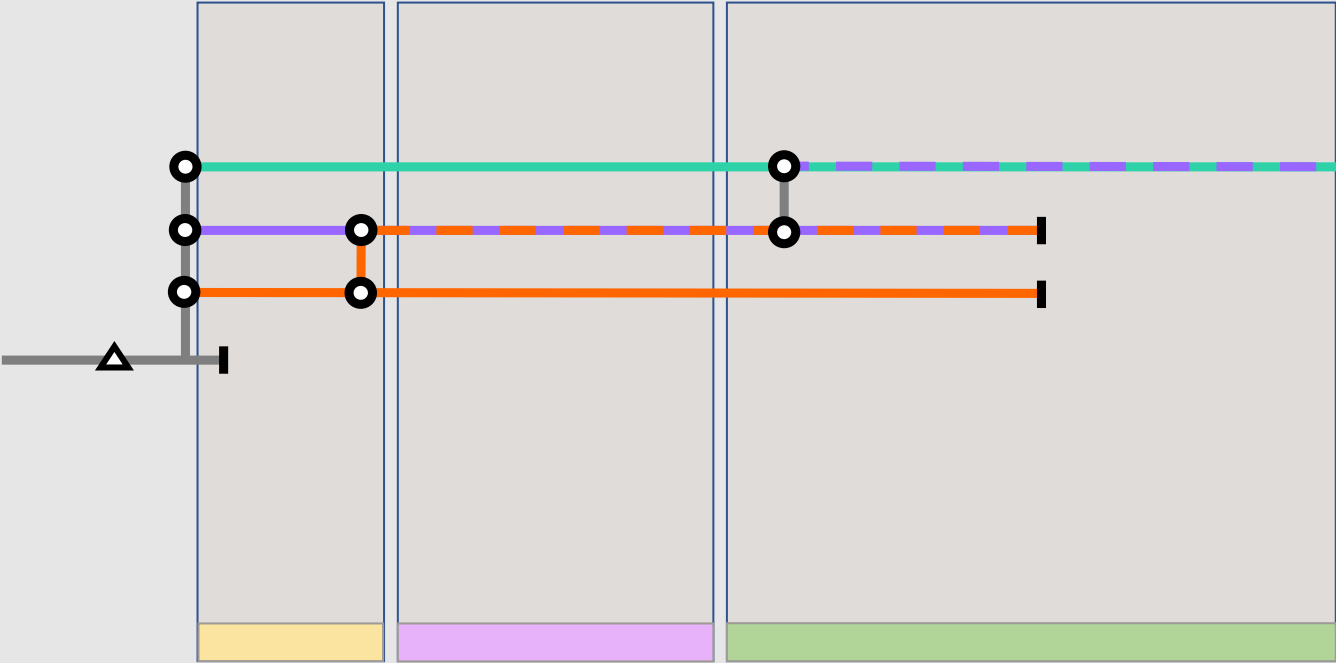
Enhancing dune protection
Redesign ground floor with flood mitigation (waterproofing, flood gates etc)
Build Bowentown Hub

LONGER TERM ACTIONS

Negotiations for new lifeguard base
Relocation to new hub
Hub & Spoke business model

ADAPTATION METRO

Longer term actions
Near-term actions
Immediate actions
Current situation



IMMEDIATE ACTIONS

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Improve warning systems
Continue with sandbags
Temporary SAR storage.

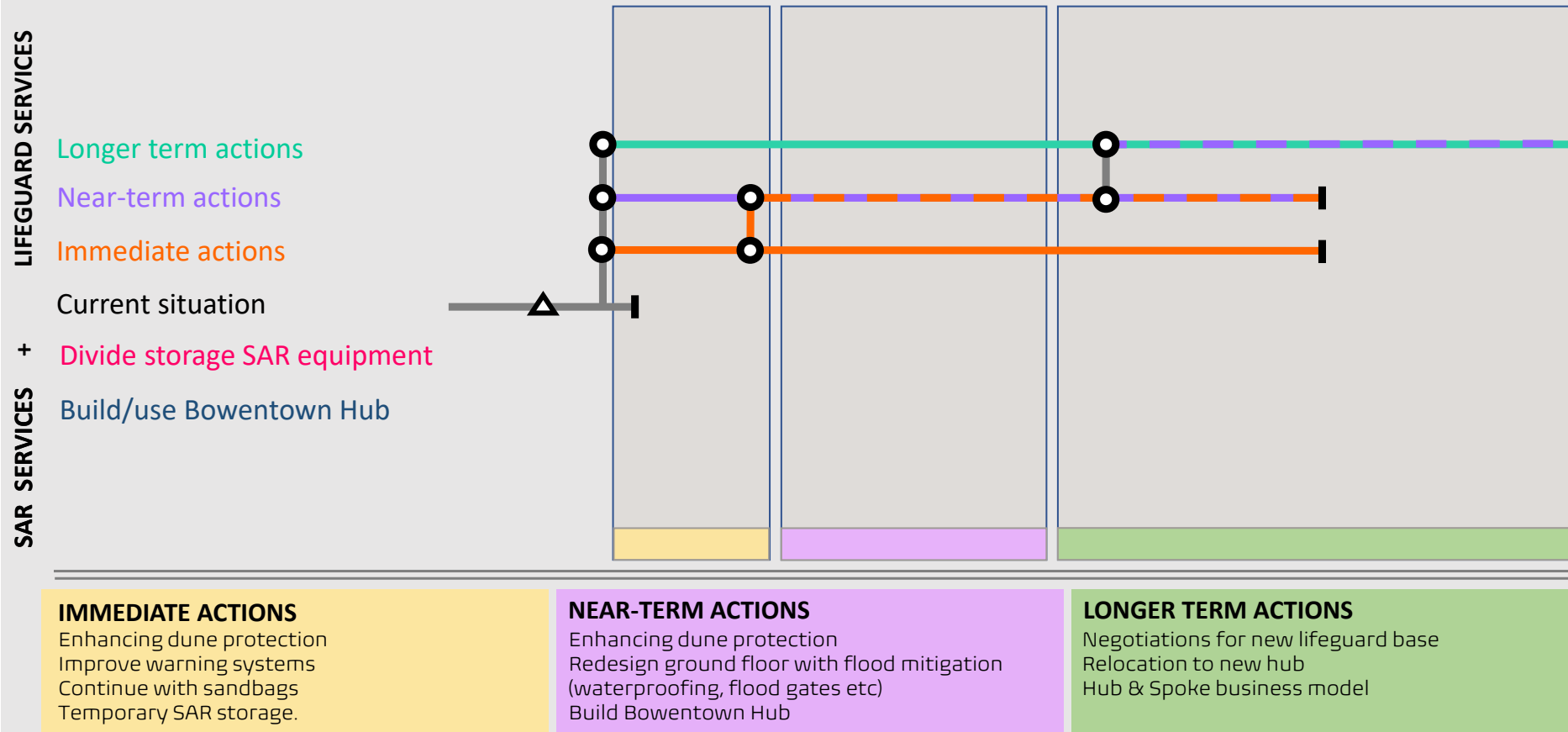
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LONGER TERM ACTIONS

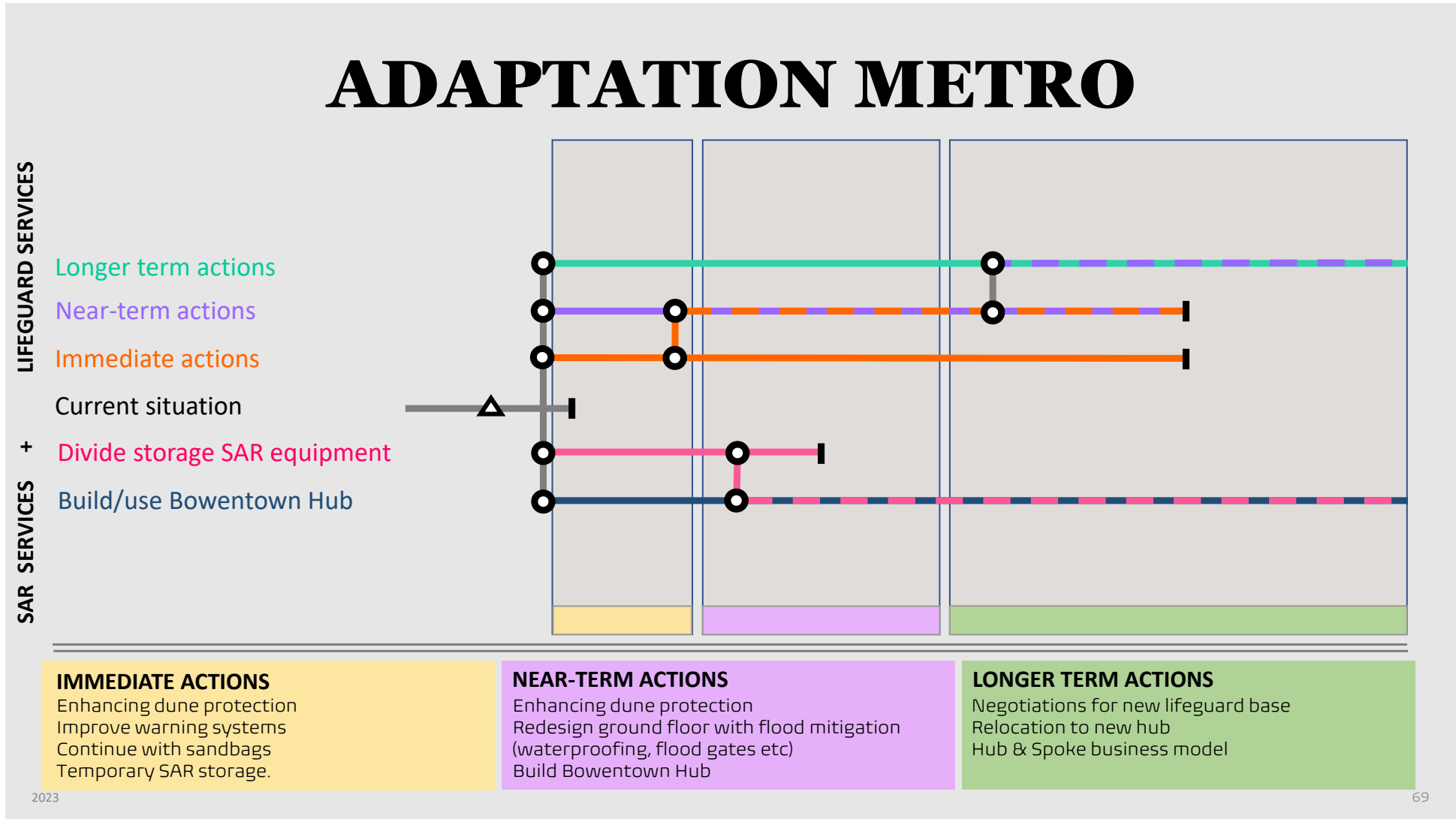
Negotiations for new lifeguard base
Relocation to new hub
Hub & Spoke business model

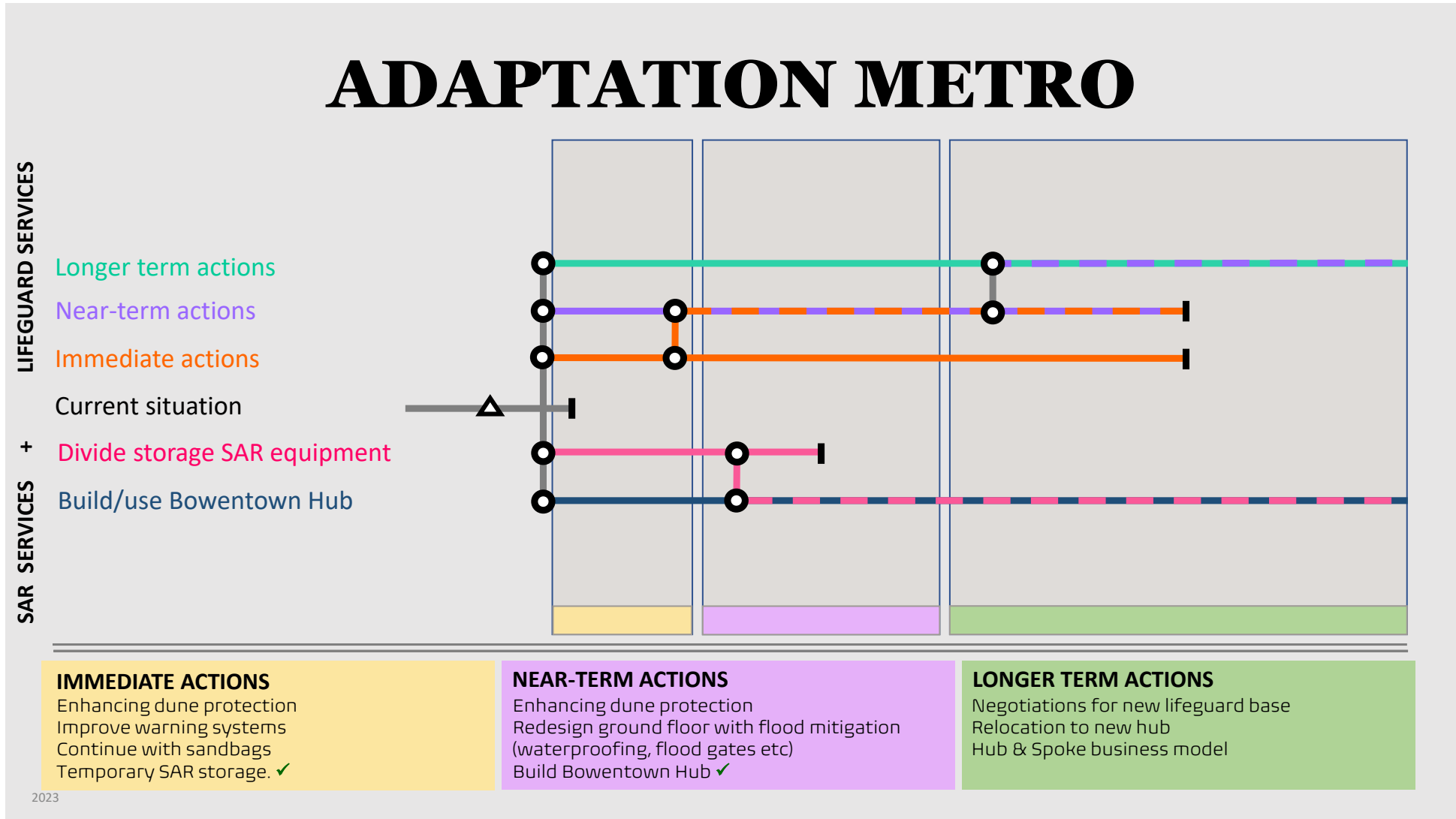
ADAPTATION METRO

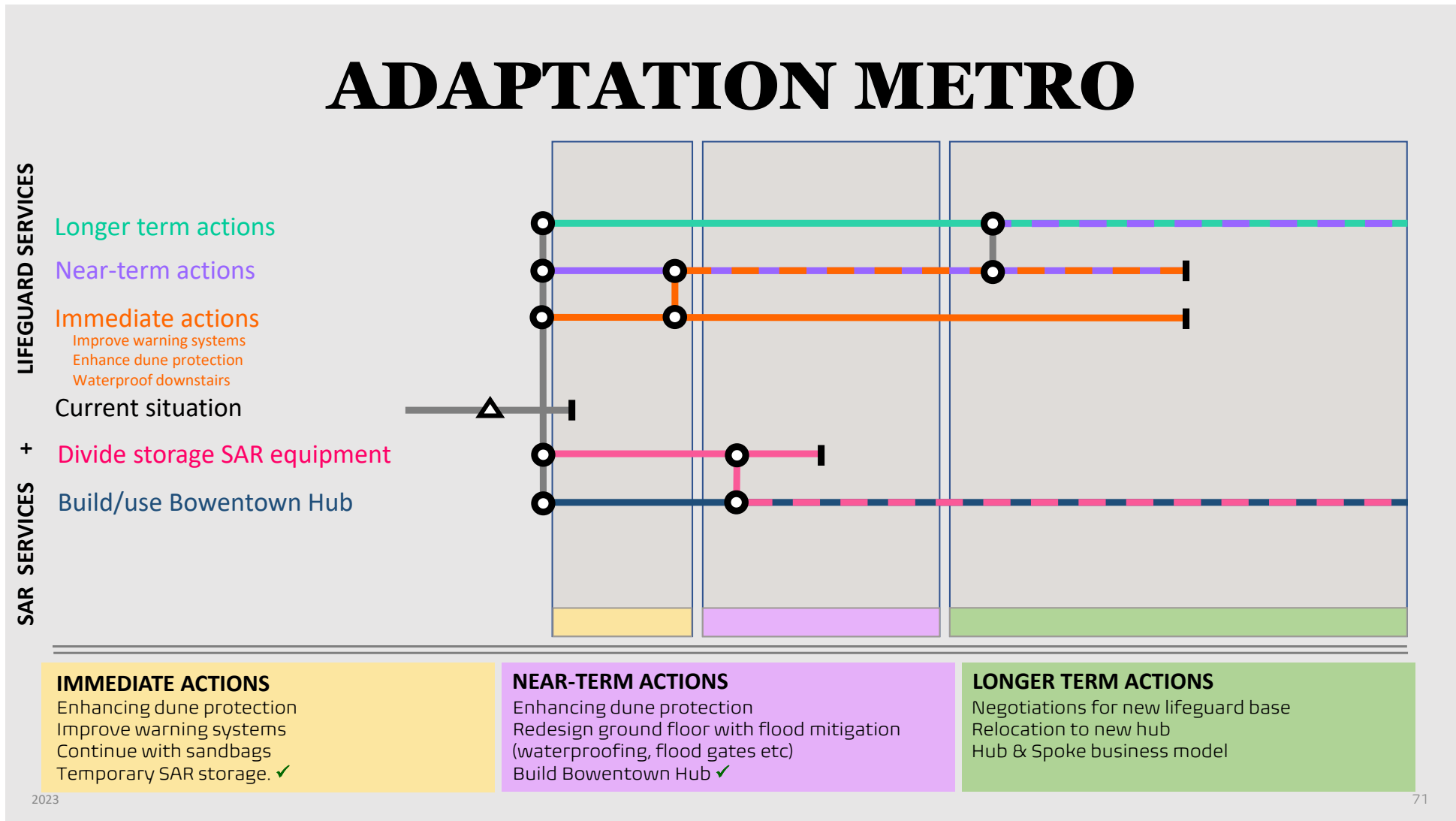


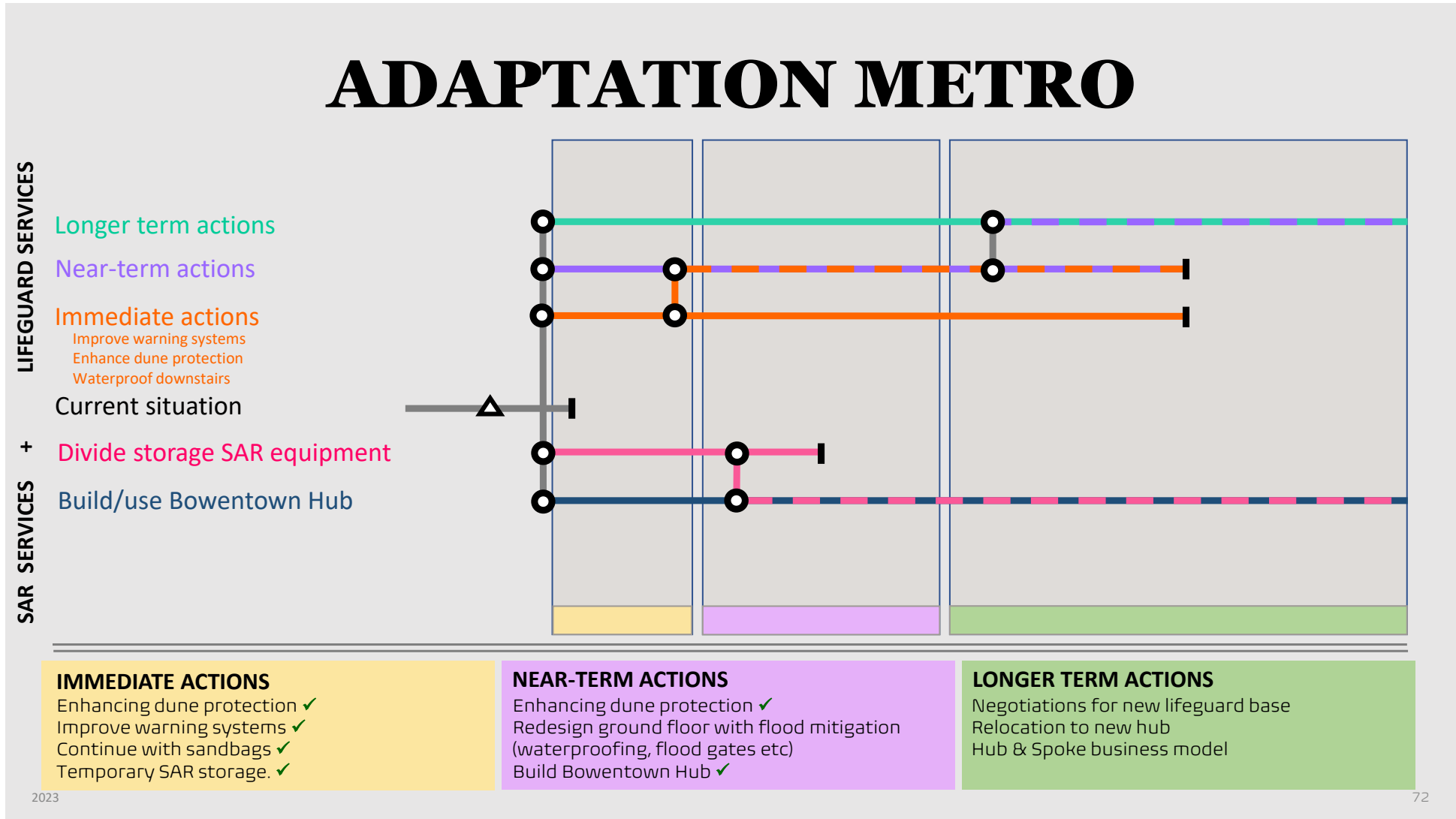
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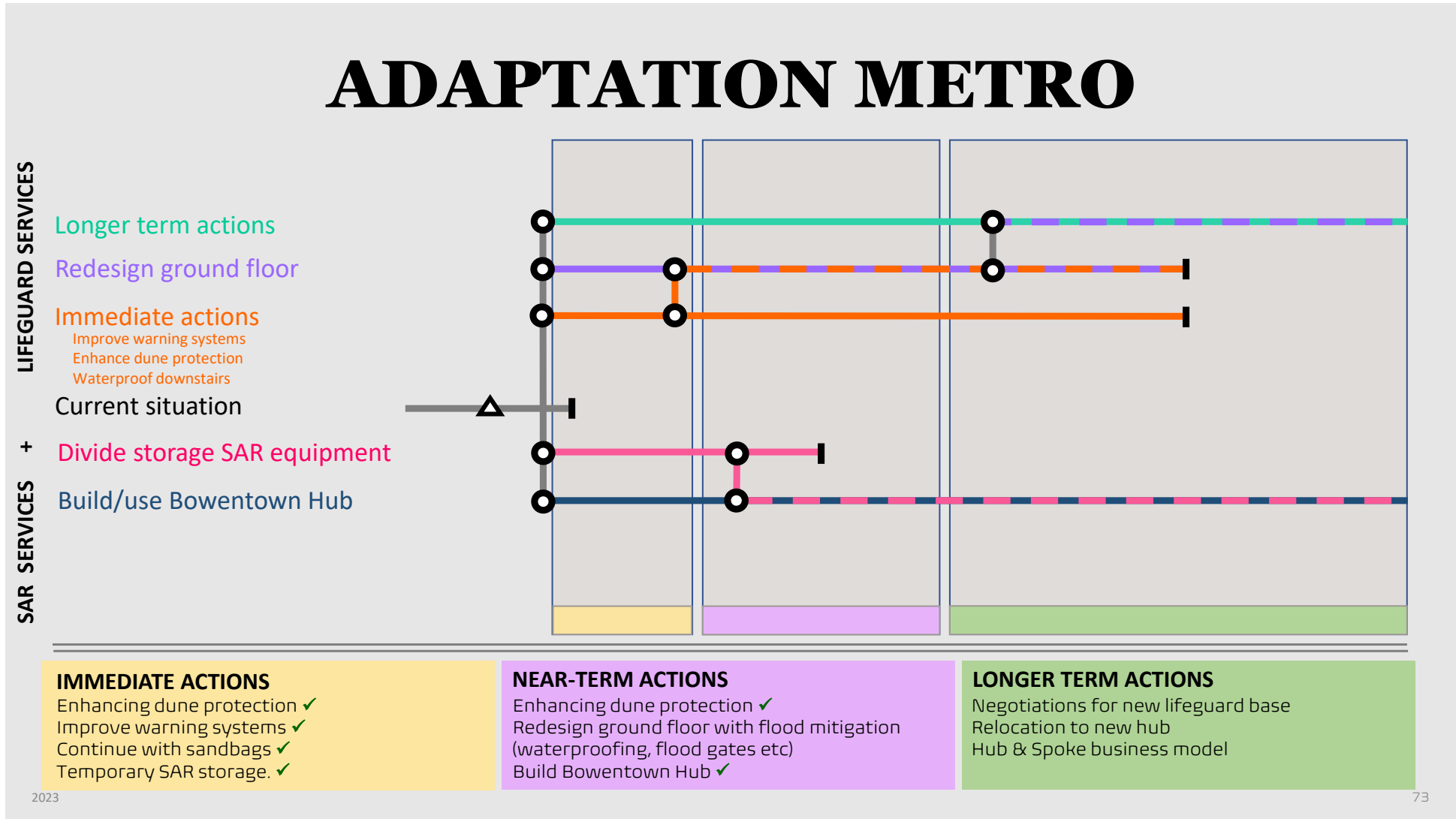
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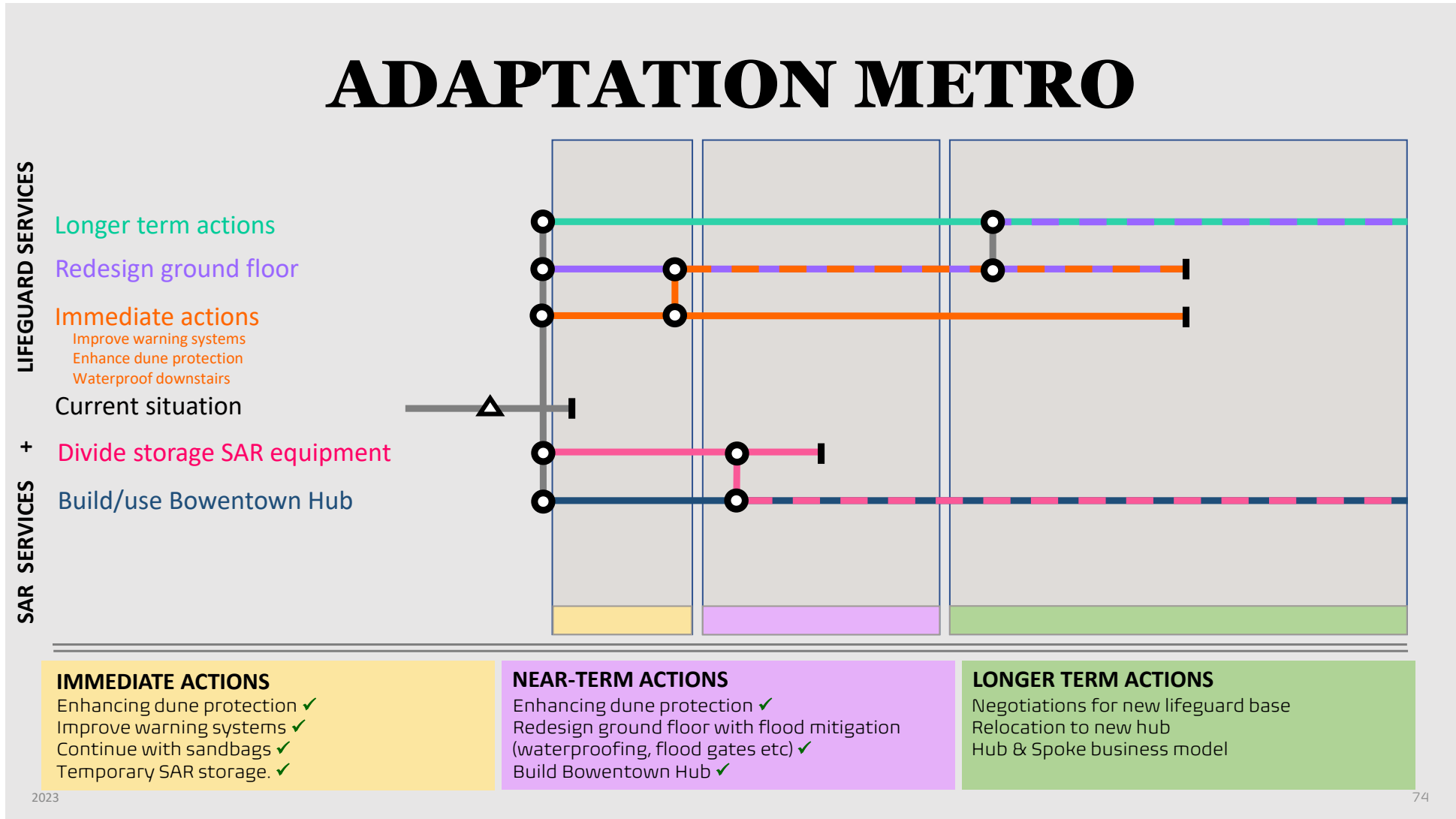


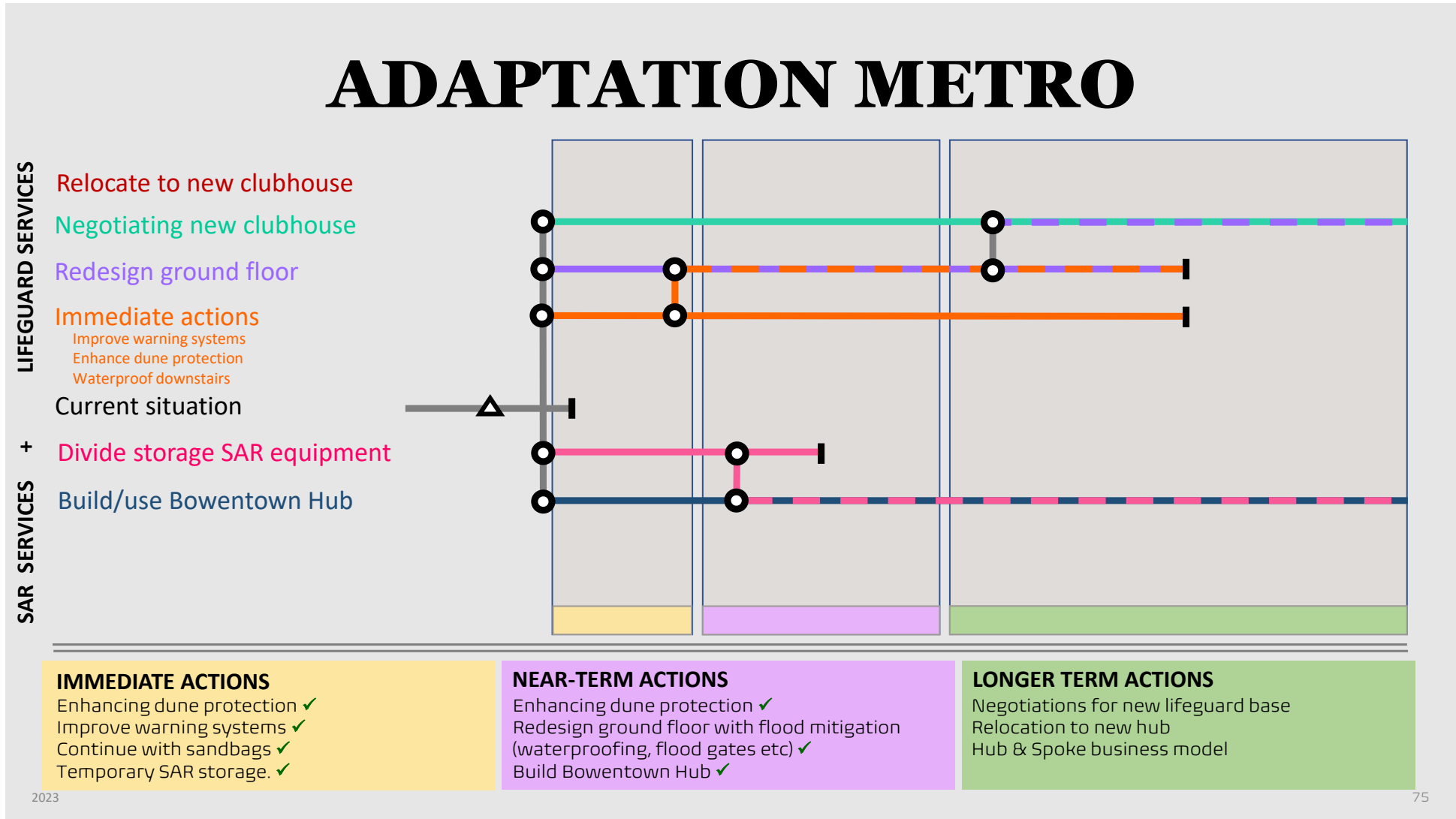


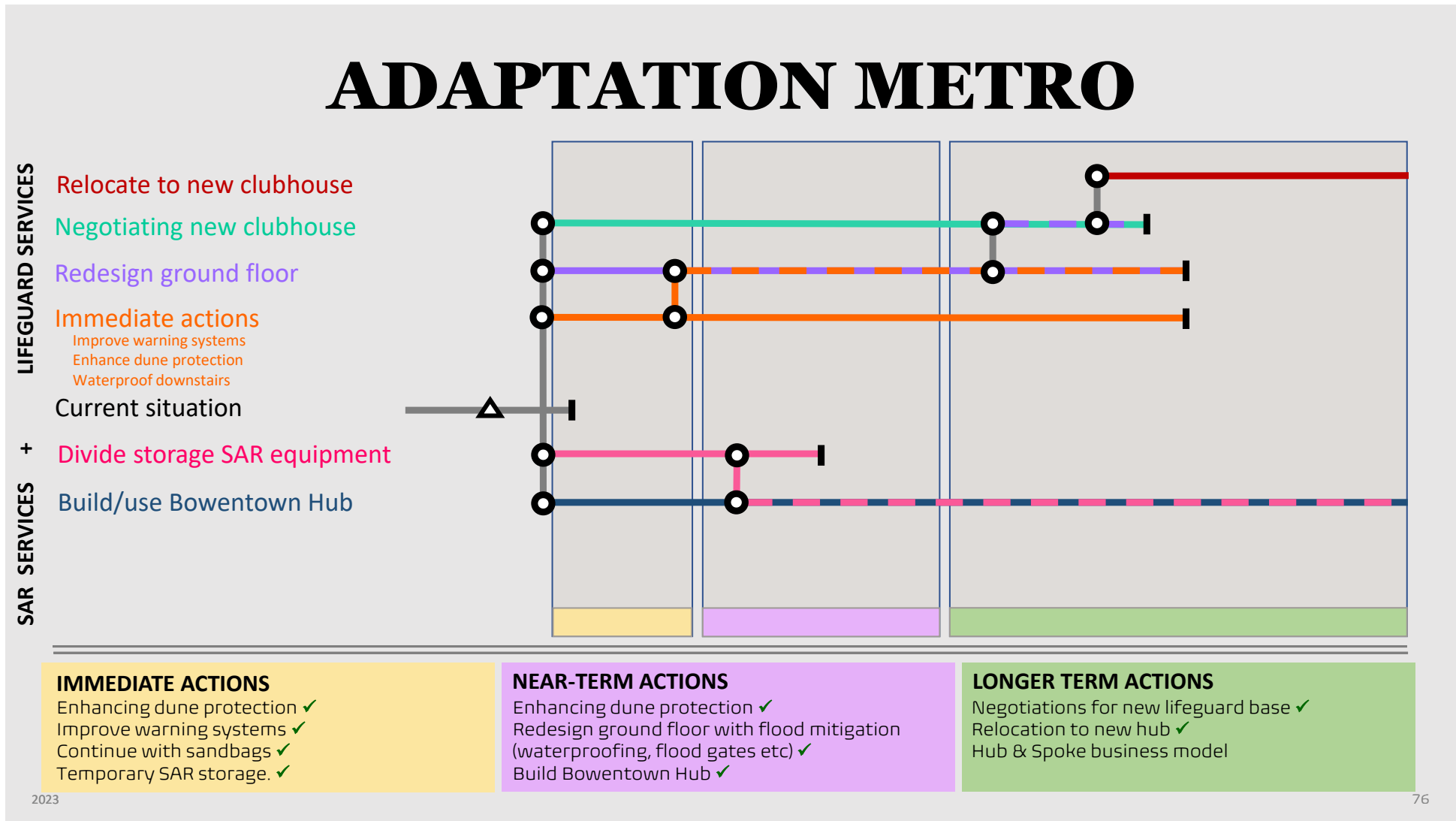


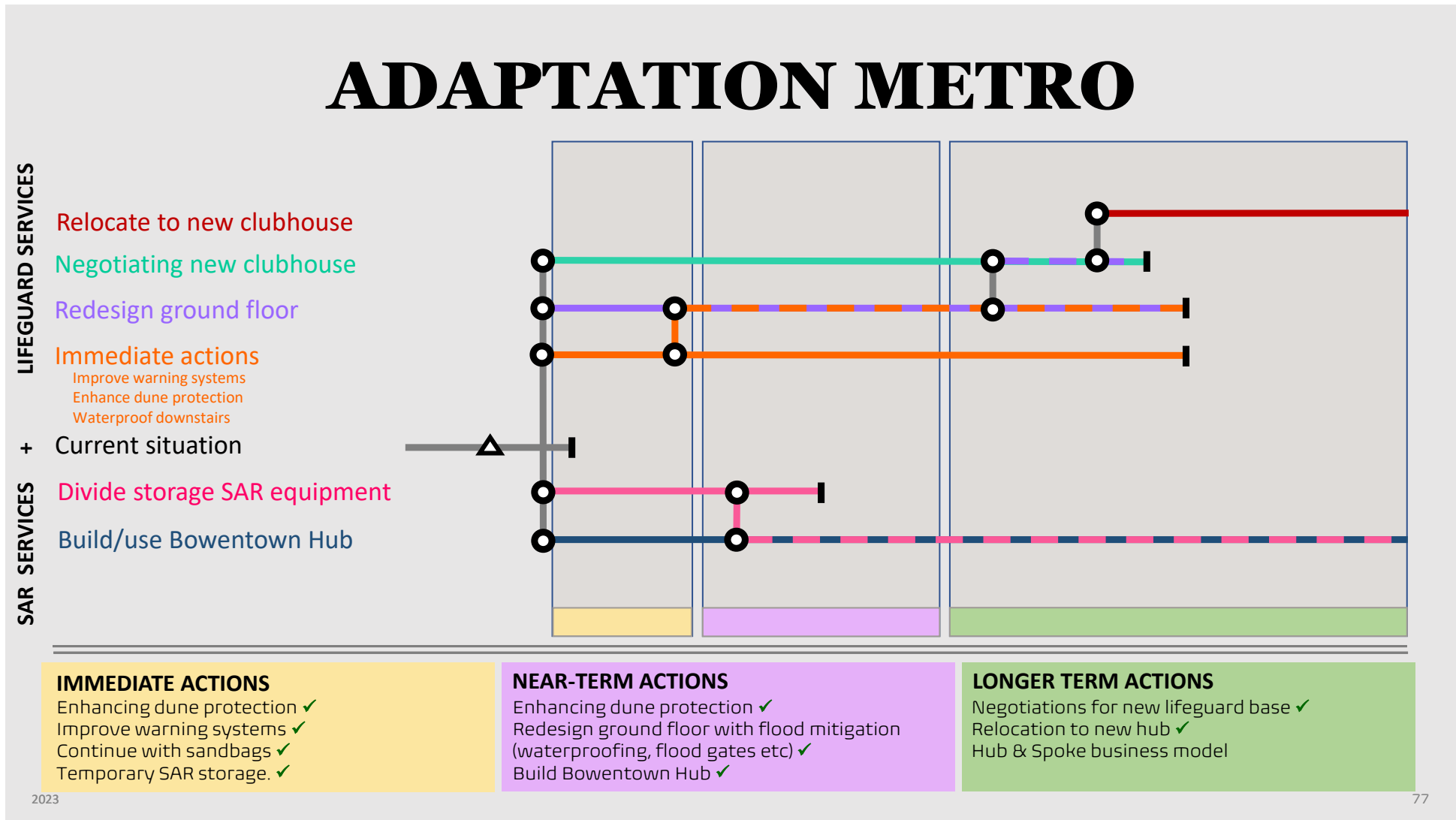


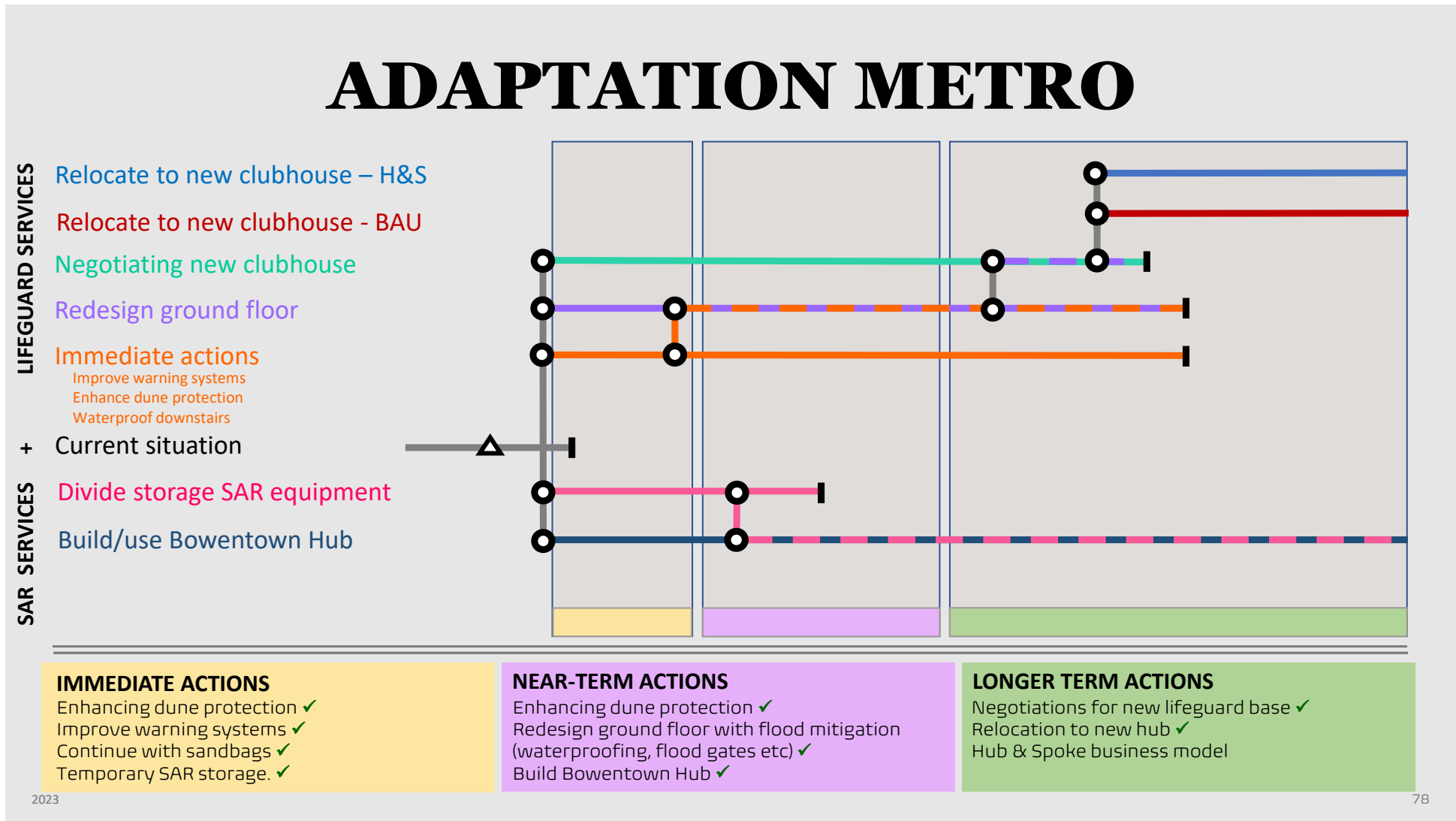


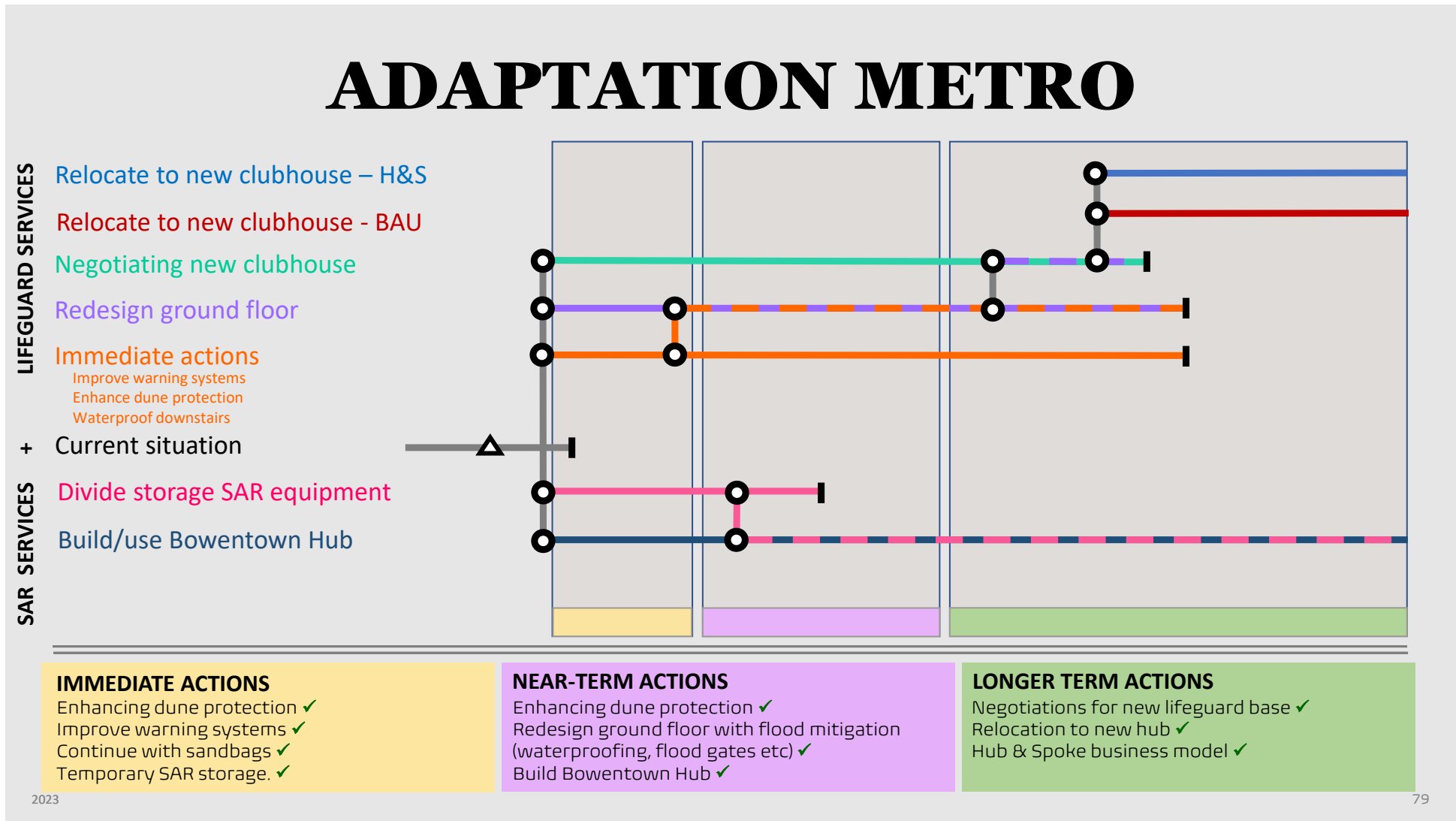










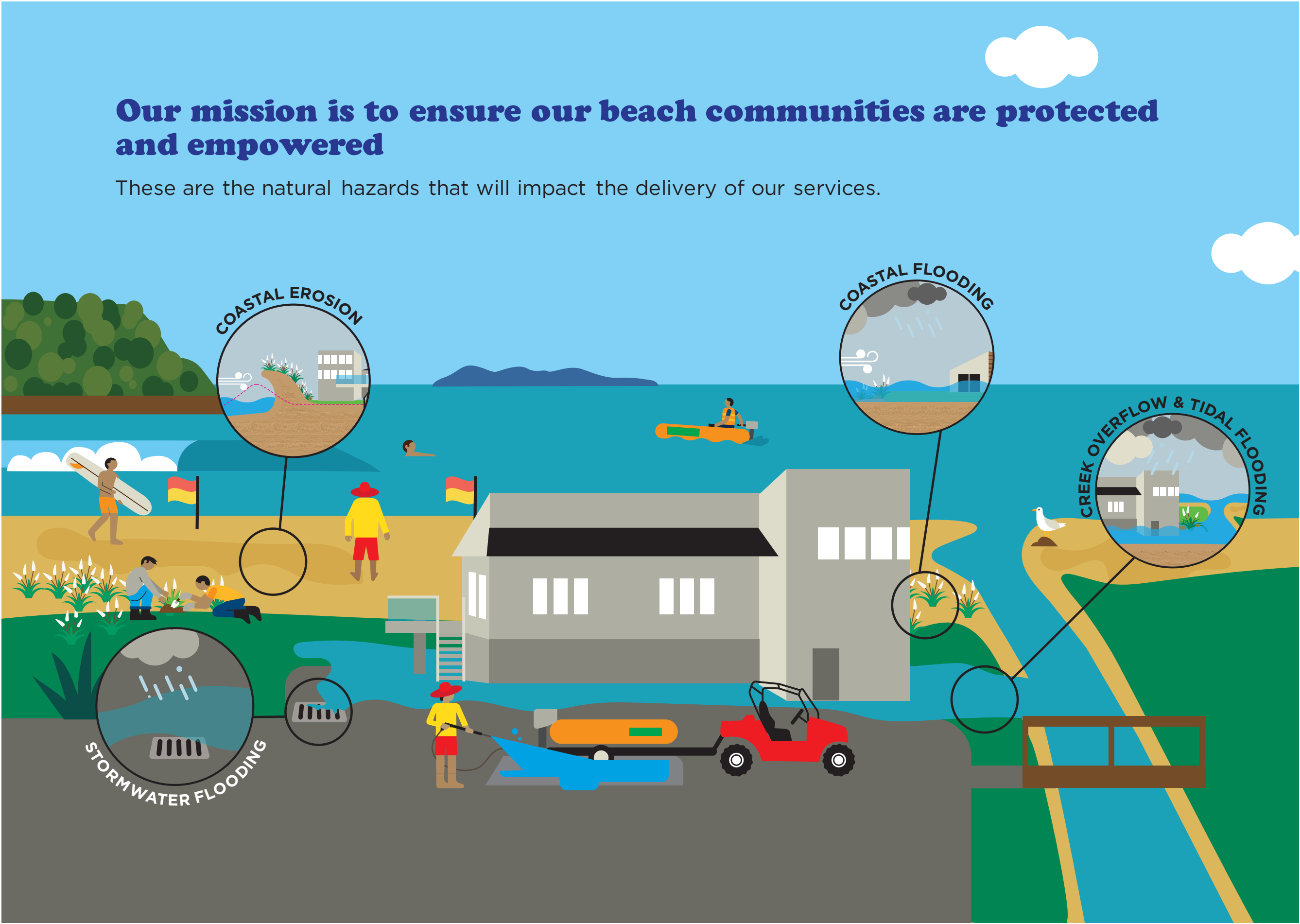




NAVIGATING UNCERTAINTY

Our mission is to ensure our beach communities are protected and empowered

These are the natural hazards that will impact the delivery of our services.



The process



Rising to climate challenges: Waihi Beach Lifeguard Services Inc.



A short history

The lifeguard club is located in the heart of Waihi Beach and has been helping to keep swimmers safe since 1936. It still plays a critical role in the community today as a:

- base for summer patrols
- base for Search & Rescue (SAR)
- training centre
- community hub

Recent flood events and a report by GNS Science on sea-level rise and coastal flooding (inundation) has highlighted the club is one of the most vulnerable to coastal inundation in the country.

Faced with this knowledge, in May 2023 the club reached out to Toi Moana Bay of Plenty Regional Council for technical advice and support. This led the club to apply for funding to support adaptation planning. This funding set in motion a series of workshops to produce a community-led adaptation plan that will help ensure the club is more resilient in the future.

This brochure is about the journey this emergency services group took to better understand the climate challenges they will face and what changes they can implement to ensure the delivery of their patrolling and SAR services.

A dive into Adaptation Planning

Adaptive planning, often referred to as Dynamic Adaptive Policy Pathways or DAPP, is an innovative approach to decision-making under uncertainty. It empowers organisations and communities to make informed choices over time, adjusting strategies as conditions evolve. Here's how it works:

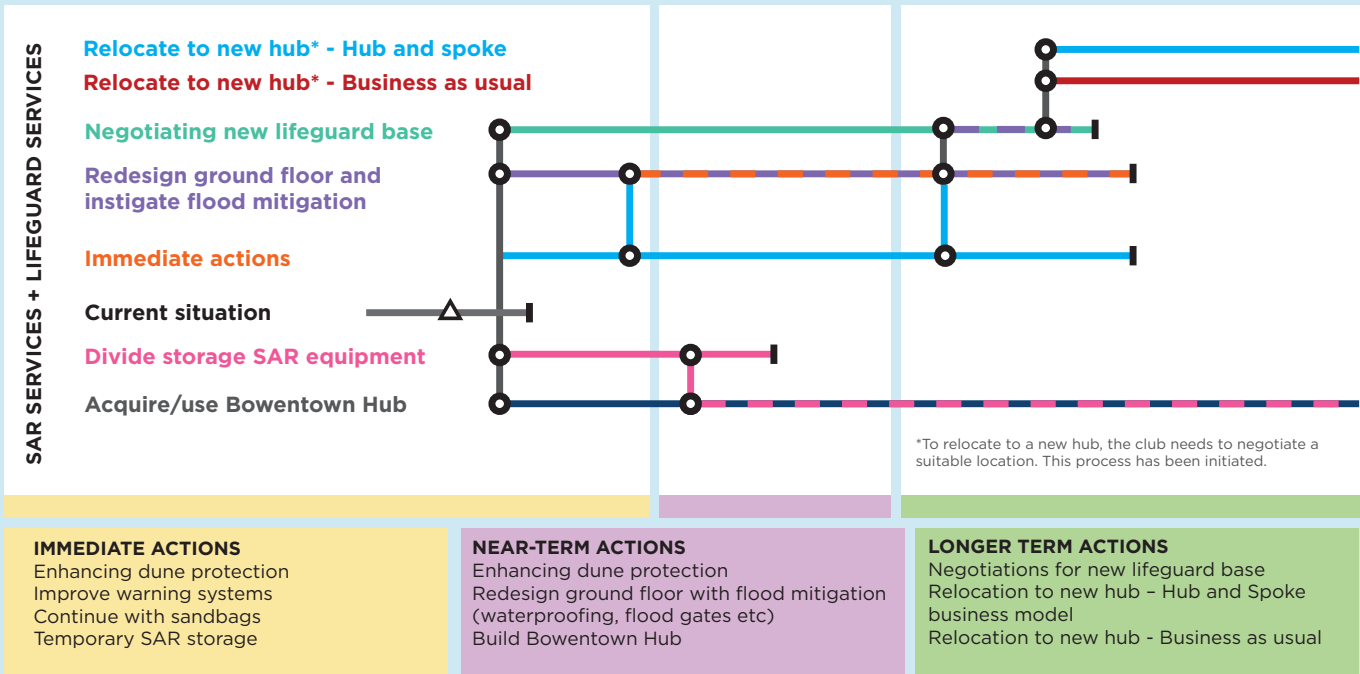
- 1. Pathways of action:** Imagine interconnected routes on a map. DAPP develops these pathways, each representing a potential course of action. They emerge based on unfolding events.
- 2. Thresholds (symbol):** Pathways have a limited lifespan; as hazards are identified and options become outdated, it's time to switch.
- 3. Transition points to new adaptation option (symbol):** Critical junctures prompt reassessment. Decision points act as signals to switch pathways if needed.

The club's DAPP on the right, considers adaptive plans for their two most critical services: Lifeguarding and Search and Rescue. Let's explore:

- **Current situation pathway:** Starts with a signal (symbol) which triggered action in May 2023 for the club to reach out. The club faced inundation events more than three times during this year, time to act!
- **Actions:** Different adaptation pathways have been considered for immediate, near-term and long-term actions. Using the transition points, we can move from 'Current situation' to any of the actions listed by following the relevant pathway.
- **Changing lines:** As conditions evolve, the club can switch to alternative pathways over time. For instance, if negotiations for a new hub are successful, the club can relocate to a new and safer location.

Why start now? Adaptive Planning encourages proactive thinking without overcommitting. By acknowledging uncertainty, the club can prepare for the long term while remaining agile.

Waihi Beach Lifeguard Services DAPP



● Transition point to a new adaption option ▲ Signal ┃ Threshold

Spatial Plan Case Studies

Learnings form Summer Student Project 2024





Some key learnings

- There is diversity in approaches in New Zealand.
- A clear distinction between the United Kingdom and New Zealand systems is the clear and coherent framework in the UK and the bespoke, disconnected, and diversity of approaches in New Zealand.
- In the New Zealand context, the participation of indigenous people at governance, management and implementation is unique.
- There are advantages in having top-down and bottom-up methodologies (a hybrid approach and one-size does not fit all).



Best examples of spatial plans and strategies:

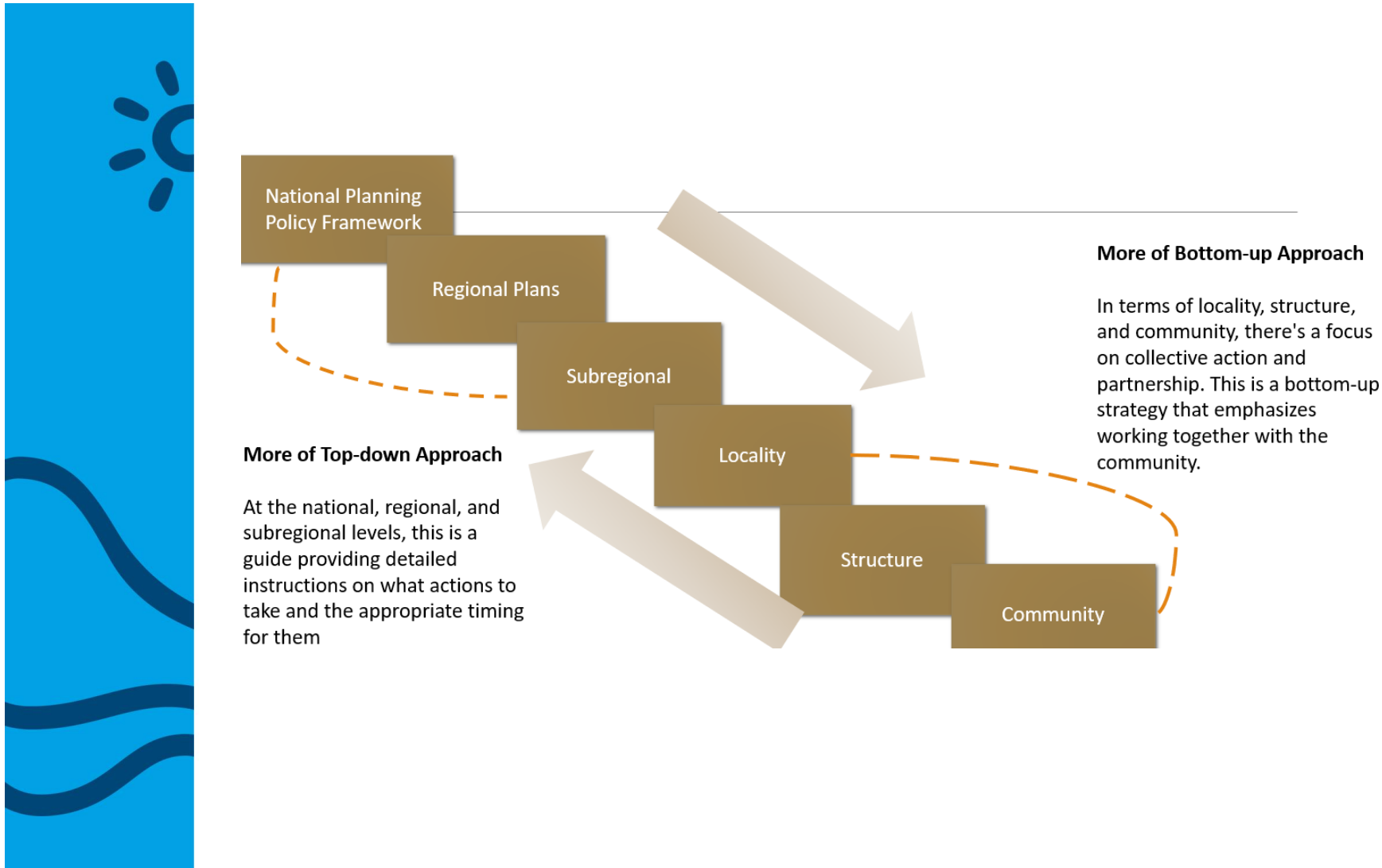
- Were very clear about their purpose, scale and what they were addressing.
- Responded to the key challenges of the community regardless of mandate
- a short-term focus on achievable priorities, in collaboration with partners or local communities.
- Had a balanced approach to soft and hard infrastructure.
- Considered a range of inputs complimentary to sciences e.g. indigenous and community knowledge
- Used a range of graphics and maps to communicate significance, constraints and scenarios.
- For locality and community plans, good practise involved a community-centric approach and a living document that is regularly updated to adapt to community needs.



Common weaknesses

- A lack of accountability when plans deviate or fail, raising skepticism about their purpose. Accountability is crucial for bridging the gap between theoretical foundations and practical application of plans.
- The theory and methods of spatial plans are generally robust, but the practical implementation of these plans are commonly poor.
- National interventions at local scale, particularly where there is no local buy-in can be detrimental to a spatial plan or strategy success.
- Referring to other strategies and reports in the body of a strategy or spatial plan does not increase credibility.

Item 2, Presentation



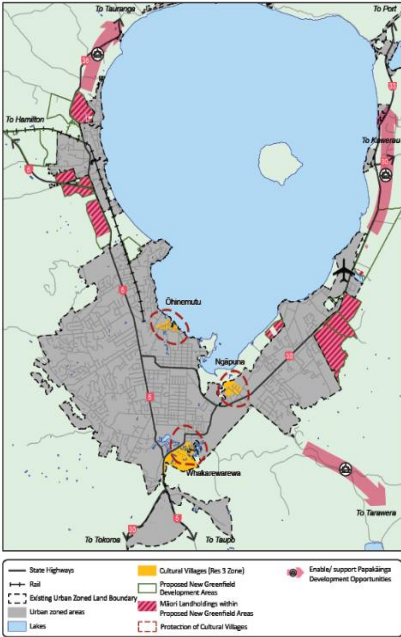
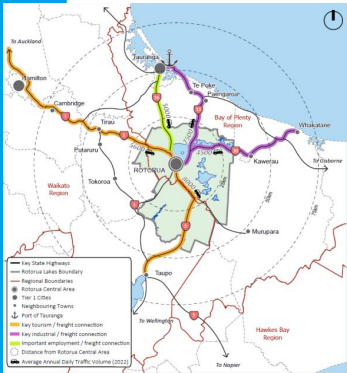
Item 2, Presentation

KEY THEMES

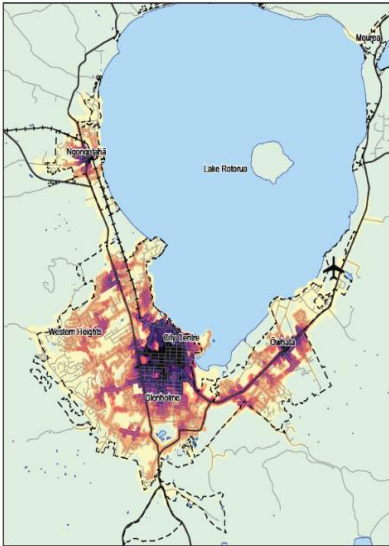
National Planning Policy Framework	Regional Plans	Subregional	Community	Locality
❖ Sustainable Development	❖ Inadequate/Costly Housing	❖ Iwi/Hapū Aspiration	❖ Community Health & Wellbeing	❖ Local Community Partnership
❖ Strong/Resilient Economies Rural Urban	❖ Resilient Natural Environment	❖ Growth Management	❖ Community Empowerment	❖ Local Partners
❖ Strong/Resilient Communities	❖ Natural Hazard/Climate Change Resilience	❖ Climate Change (Drier Climate & Increased Rainfall)	❖ Working with Communities	❖ Community Engagement/Participation
❖ Protect/Enhance: Natural & Historic Environment	❖ Population Growth	❖ Climate Resilience	❖ Population Demographics	❖ Employment
❖ Sufficient Supply Of Affordable Homes Rental/Home-ownership	❖ Decarbonization Transportation	❖ Compact growth	❖ Mana Whenua Involvement	❖ Infrastructure
❖ Sustainable Transportation	❖ Compact City Approach	❖ Encourage Mode shift to Public/Active Transportation	❖ Local Partnerships	❖ Jobs
❖ Communication Infrastructure	❖ Reduce GHG Emission	❖ Strong Economies	❖ Soft Infrastructure	❖ Resilient communities
❖ Well Designed and Beautiful Places	❖ Iwi/ Hapū Aspirations	❖ Infrastructure investments – 3 waters	❖ Natural Environmental Quality	❖ Affordable Public Transport
❖ Climate Change Resilience and Mitigation, Flooding/Coastal Change	❖ Sustainable Development	❖ Community Wellbeing	❖ Public Consultation/Engagement	❖ Childcare Facilities
❖ Sustainable use of Minerals	❖ Natural Hazards: Flooding	❖ Development Constraints	❖ Infrastructural Upgrades	❖ Tackling Poverty
	❖ Covid 19 Pandemic	❖ Affordable Housing Rental/Homeownership	❖ Local Autonomy	❖ Housing
	❖ Resilient Communities	❖ Aging Population	❖ Community Engagement/Participation	❖ Homelessness
		❖ Community Engagement/Participation		❖ Poverty
				❖ Inequalities & discrimination
				❖ Placemaking



Strengths of the Plan and Lessons to Extract



Map 12: Iwi and hapū development aspirations reflected in the FDS



Map 13: Accessibility in Rotorua

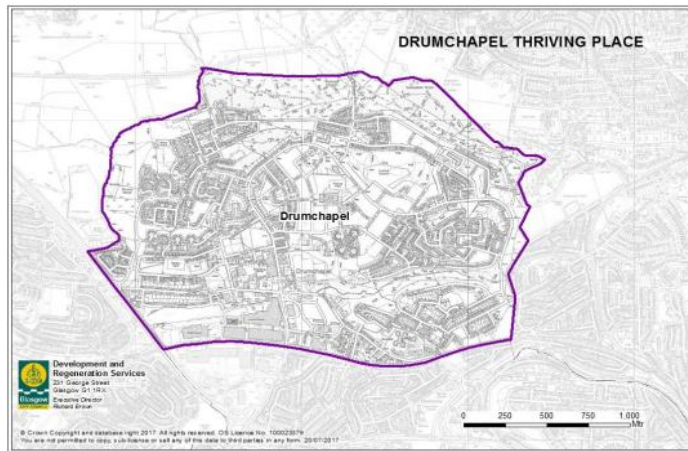
State Highway Entry Points: Visual maps effectively highlight the significance of state highway entry points for Rotorua's tourism industry.

Development Constraints: Maps provide clear insight into development constraints using heat maps.

Wellbeing Compass Integration: Impressive tool for diverse approaches and integrated decision-making and places people at the core, beneficial for mitigating NIMBYISM.

Spatial Scenarios: Inclusion of advantages and disadvantages for various spatial scenarios.

Overall, a very comprehensive plan and strengths mentioned above could be integrated into other subregional plans across New Zealand.



Locality Plan : ***DRUMCHAPEL THRIVING PLACE***

Locality Plan Overview:

- Under the Community Empowerment (Scotland) Act 2015.
- Aims to enhance community engagement and self-sufficiency.
- Developed in consultation with residents and workers, outlining improvement strategies.
- Community Planning Partnerships (CPPs) are required to publish annual progress reports
- Time Frame: 2017 - 2027



Thank you

- To Simarajot Kaur, Masters of Urban Planning, University of Auckland

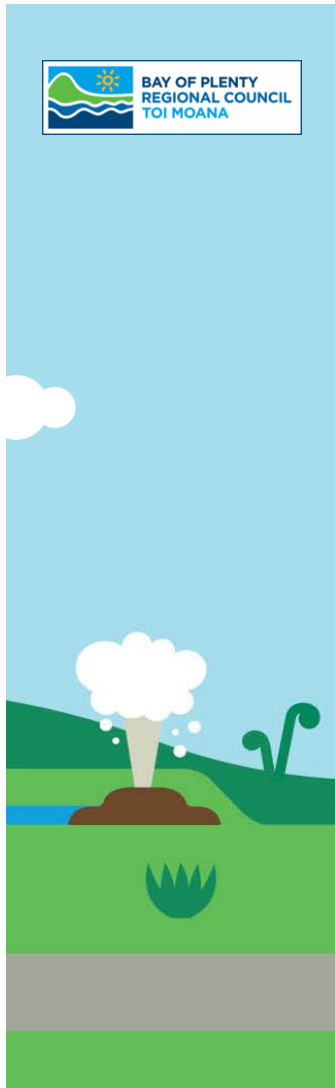


PC 11 Geothermal High-level Policy Direction

Strategy and Policy Workshop

21st May 2024





What's happening?

- Plan Change 11 Geothermal (PC 11) will:
 - review and update the Rotorua Geothermal Regional Plan;
 - review and update existing geothermal provisions in the Regional Natural Resources Plan;
 - consolidate the updated provisions into one chapter of the RNRP.
- Region-wide plan change, covering all Geothermal systems in the Bay of Plenty region.



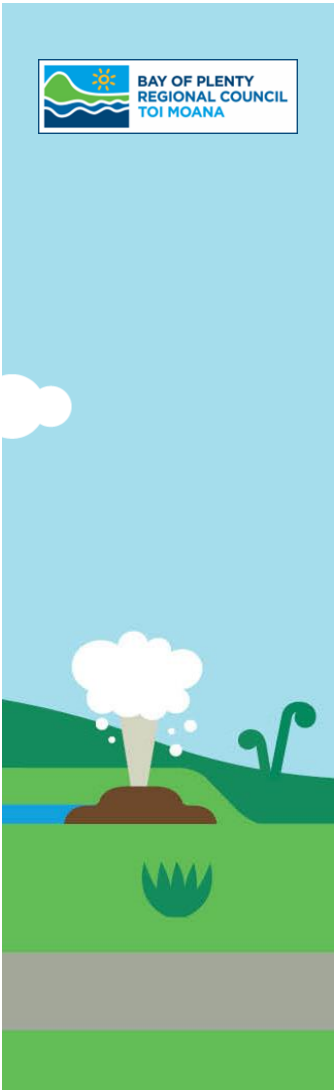
Policy framework

- Policy framework established in both RNRP and Regional Policy Statement
- Provides the building blocks for the geothermal plan change
- In particular, the system classification approach (e.g. protecting some systems, enabling development in others)



Drivers of policy direction

- Regional Policy Statement
- RMA sec. 35 review findings
- Incorporate SMP direction
 - Ngā Wai Ariki o Rotorua (complete)
 - Tauranga (in development)
 - Kawerau (in review)
- Ensure integration with freshwater



Proposed Chapter Structure

GEO THERMAL CHAPTER

GEO – Geothermal (applicable to all systems)

Objectives

- GEO-O1
- GEO-O2 etc

Policies

- GEO-P1
- GEO-P2 etc

Rules

- GEO-R1
- GEO-R2 etc

GEO – ROT – Ngā Wai Ariki o Rotorua (applicable to Rotorua System only)

Objective

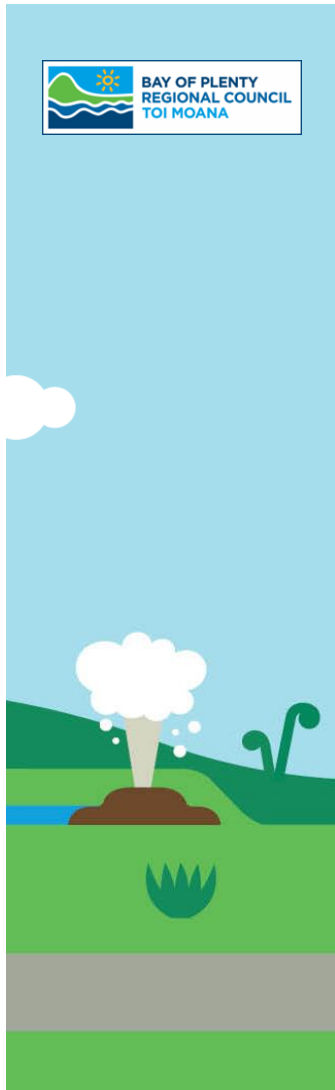
- GEO-ROT-O1

Policies

- GEO-ROT-P1
- GEO-ROT-P2 etc

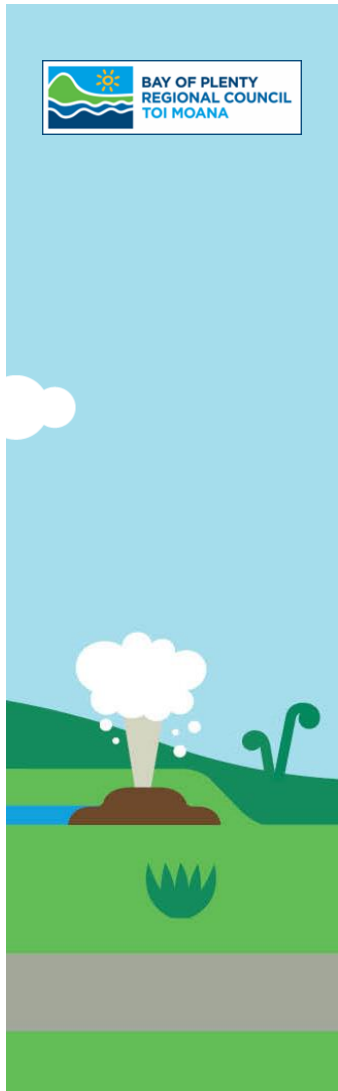
Rules

- GEO-ROT-R1
- GEO-ROT-R2 etc



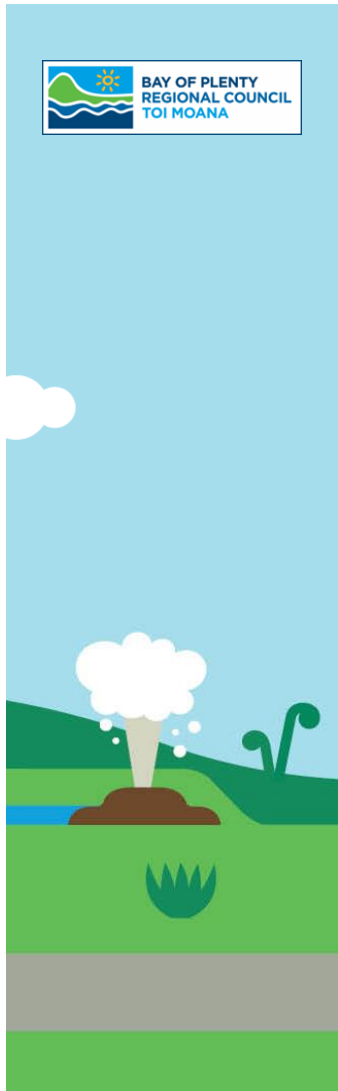
Progress so far

- Engagement underway, slow uptake so far but expect greater interest as we progress
- Policy drafting ongoing – new concerns or mgmt. priorities may emerge through engagement
- Arranging internal stakeholder reviews (e.g. Consents, Compliance)



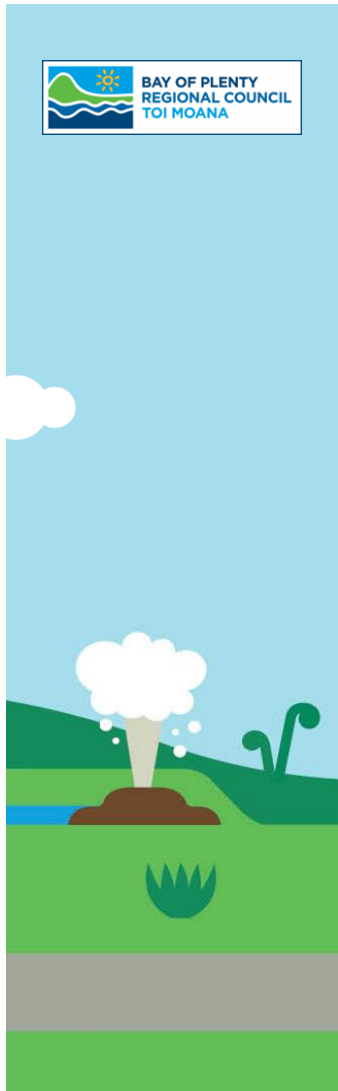
Overview of Changes

Existing Policy	Purpose/intent unchanged, wording updated in line with best planning practice.
Amended Policy	Additional matters added to existing policy or wording updated to ensure consistency with RPS direction or to reflect required changes identified through policy review or technical workstreams.
New Policy	Additional provisions added to capture RPS requirements, address matters identified through consultation, technical workstreams or RMA S.35 policy review processes.



Overview of Changes cont...

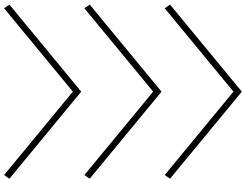
	Existing	Amended	New	FW INTEGRATION
OBJECTIVES	Sustainable management etc	Natural Hazards		
POLICIES	Use and Development of Resources Customary Practices Discharge of Geothermal Water	Allocation Management Framework New Geothermal Systems process Cultural Values Efficiency Geothermal Wells Geothermal Hazards Information requirements	Requesting a change to a system classification Resources outside mapped extent Matters of significance to Māori SMPs Geothermal features and Significant Geothermal Features Geothermal in Coastal Environment Bonds	Allocation Efficiency Discharge of Geothermal Water
RULES	Take and Use Damming & Diversion Discharge to water or land	Take & Use for Customary Practices Wells Discharge – Reinjection Assessment Criteria	Discharge in accordance with Tikanga Māori Activities in vicinity of SGFs	Take and Use Wells



Example 1: Existing

✓ GR 01 (Objective 65)	Sustainable use and development of geothermal water, heat and energy with regard to the effects on geothermal surface features and ecosystems, and individual field characteristics.
✓ GR 02 (Objective 66)	Significant geothermal features are protected from inappropriate use and development.
✓ GR 03 (Objective 67)	Protection of significant indigenous geothermal ecosystems.
✓ GR 04 (Objective 68)	Preservation of outstanding geothermal surface features.
GR 05 (Objective 69)	The reinjection of abstracted geothermal water into the same geothermal field from which it came, subject to an assessment of effects.
GR 06 (Objective 70)	Geothermal bores are constructed to appropriate drilling standards.
GR 07 (Objective 71)	Avoidance or mitigation of the effects of natural geothermal hazards.
✓ GR 08 (Objective 72)	Efficient use of geothermal resources.

See next slide



GEO-01

In accordance with the classification and purpose of the geothermal management group within which they are located:

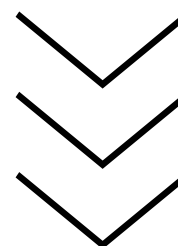
- (1) Geothermal systems are sustainably managed in an integrated way;
- (2) Geothermal resources are used efficiently;
- (3) Geothermal surface features and significant geothermal features are protected from use and development;
- (4) Adverse effects from development and the use of geothermal resources are avoided, remedied or mitigated, using the best practicable option.



Example 2: Amended

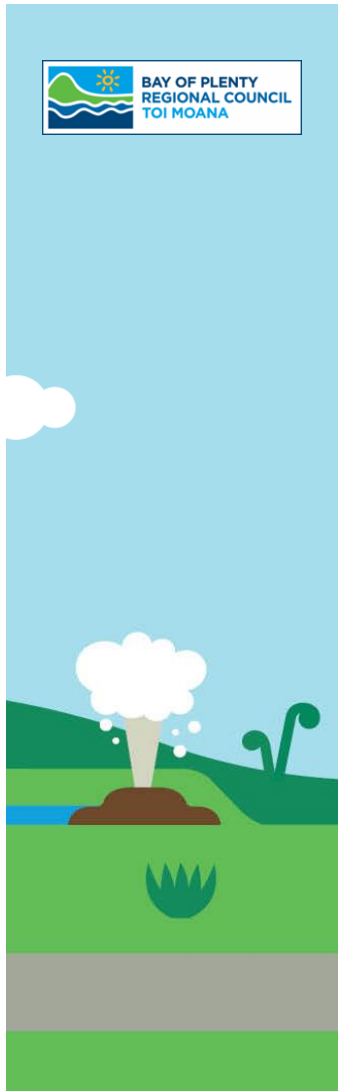
GR 07 (Objective 71)

Avoidance or mitigation of the effects of natural geothermal hazards.



GEO-O2 The effects of geothermal hazards on people, property and lifeline utilities are:

- (1) Avoided, where they are a high risk; or
- (2) Mitigated, where they are a low or moderate risk.



Another amended example

COMPARISON AND ANALYSIS OF RULES GR4 - GR7 (Bores)			
Rule 4 - RDIS	Rule 5 - RDIS	Rule 6 - RDIS	Rule 7 - DIS
Management Group 5	Management Group 1	Management Group 3 and 4	Management Group 3 and 4
Purpose - installation of bores and take and use for <u>bore</u> testing.	Purpose of bore and take is for monitoring or scientific research purposes	Purpose - only monitoring	Purpose - anything excluding monitoring bores.



Combine into single rule - Installation of all Geothermal Wells, and Take and Use of Geothermal Water, Heat or Energy for Well testing

+ clear assessment criteria
(based on the existing matters of discretion)



Example 3: New

GEO-P7 System Management Plans - Integrated Management

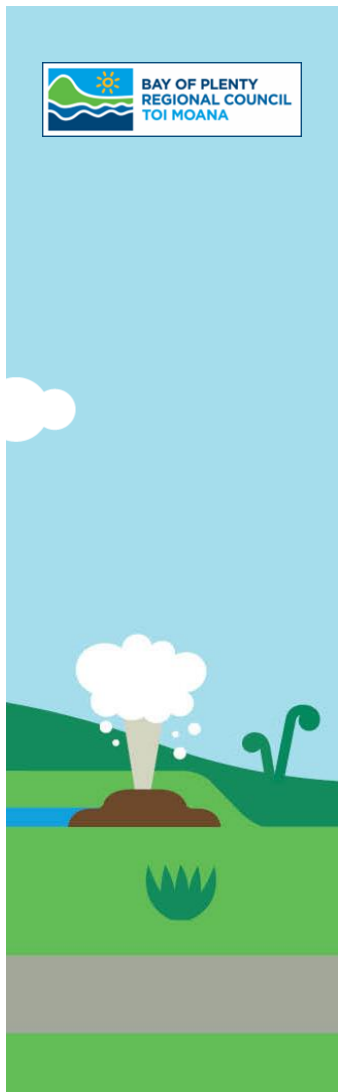
Enable integrated system management by requiring that:

- (1) Where the cumulative abstractive development in any geothermal system uses 1000 tonnes or more of geothermal water per day, a System Management Plan must be in place for the entire geothermal system; and
- (2) When assessing resource consents, ensure the application is consistent with any relevant System Management Plan.

GEO-P8 System Management Plans - Preparation

Require that System Management Plans:

- (1) Are prepared and agreed by system users, where there are small number of large users, and approved by the Regional Council prior to [implementation](#);
- (2) Are prepared by the Regional Council where there are a large number of small [users](#);
- (3) Are prepared in accordance with [schedule XXX](#)/the matters listed in RPS Policy GR 3A and GR [7B](#);
- (4) Are provided at least in draft form at the time of any resource consent application for use or development in the system.
- (5) Are reviewed every 5 years or where there is a change to the development strategy.



Timeline & Next Steps

Apr-July Pre-draft	August Workshop on Draft	Sept Release Draft	Oct-Dec Feedback on Draft	Jan-Feb Continue to refine	April Notify Proposed Plan
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Apr-Oct Workshops	Nov/Dec Release Draft	Jan/Feb Feedback on Draft	Mar-Aug Refine Draft etc	Sept Notify Proposed Plan
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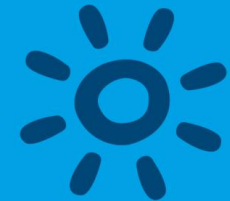


Rotorua Airshed

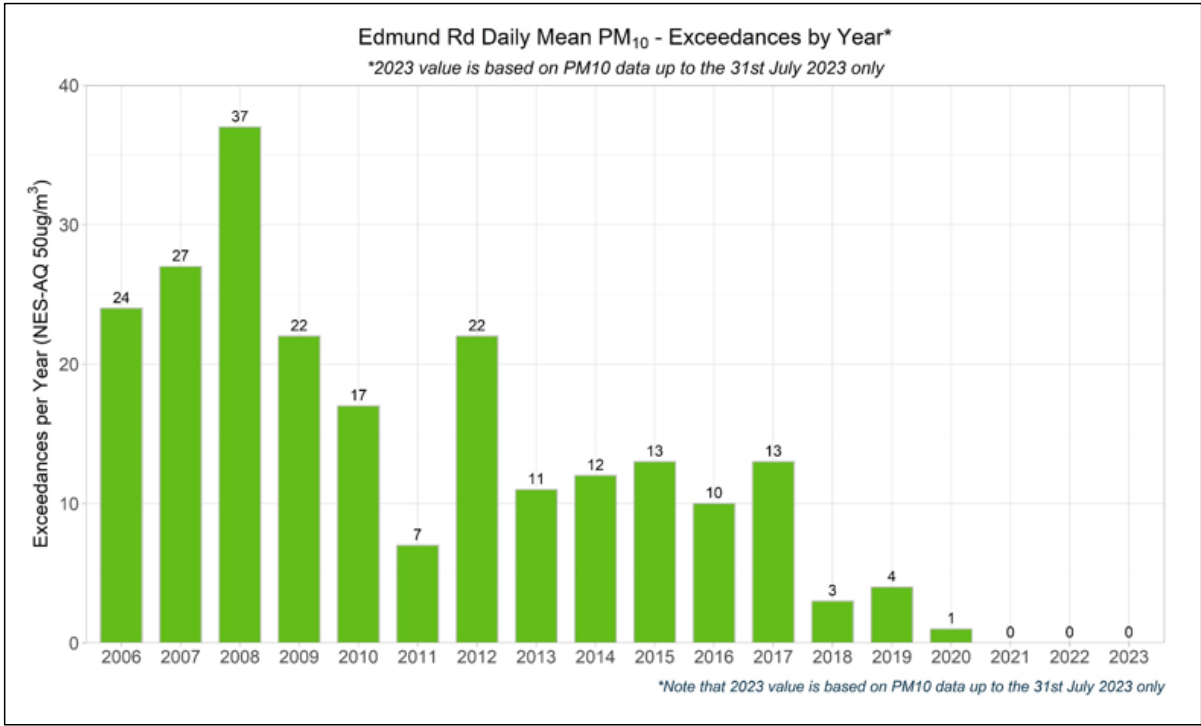
Update and Discussion of Potential Policy Approach

Strategy & Policy Workshop

21st May 2024



Rotorua Airshed in 2024

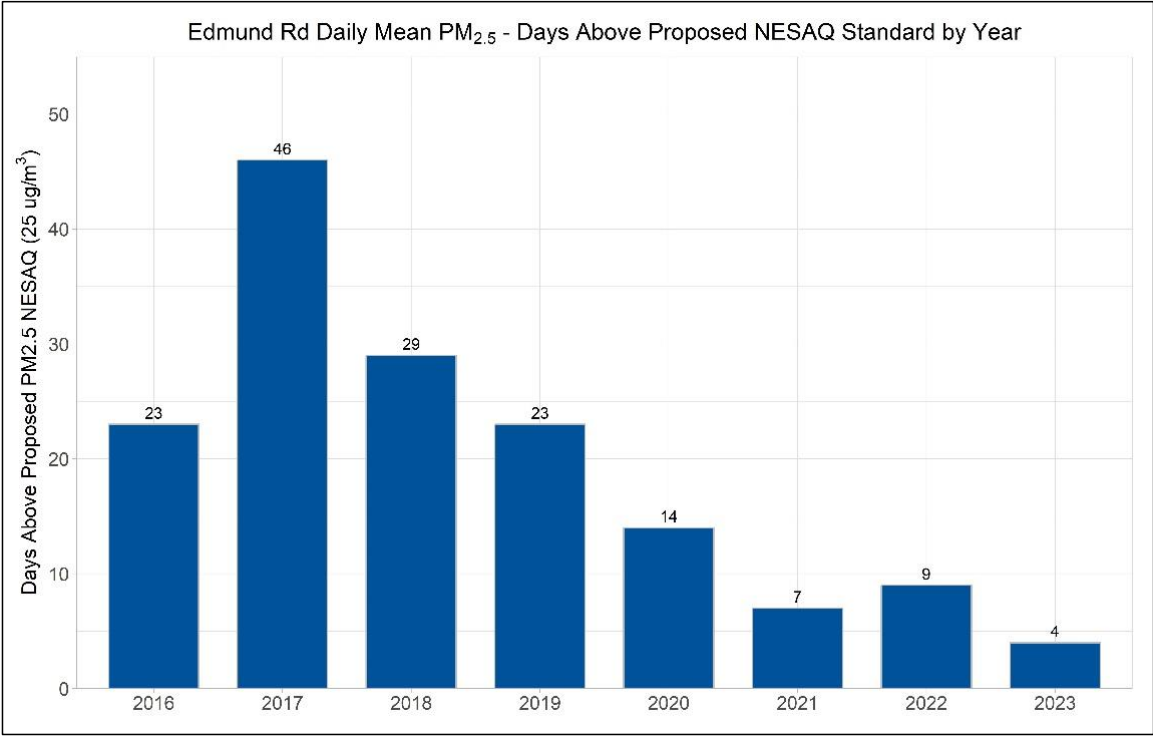




Polluted vs Not Polluted

- “The concept of polluted airsheds has been developed to ensure that significant new PM₁₀ discharges do not make an existing air pollution problem worse” (MfE NESAQ User Guide)
- No consents have been declined in Rotorua Airshed.
- No change to Airshed, boundaries, any rules in Bylaw or RNRP.

BUT....PM_{2.5}





What's happening with the NESAQ?

- Proposed amendments 2019/2020
- Consultation complete 2020
- Delay for HAPINZ 3.0 and WHO Guidelines (released 2021/2022).
- Delays due to RM Reform (NBEA)
- Sept 2023 MfE update – will more than likely update through National Planning Framework
- Oct 2023 – New Gov, repeal of NBEA....



What could the PM_{2.5} standard be?

Pollutant	Averaging time	Interim target				AQG level
		1	2	3	4	
PM _{2.5} , µg/m ³	Annual	35	25	15	10	5
	24-hour ^a	75	50	37.5	25	15
PM ₁₀ , µg/m ³	Annual	70	50	30	20	15
	24-hour ^a	150	100	75	50	45



Latest MfE Update

- MfE provided an introductory briefing to Minister for the Environment last month.
- The briefing noted that MfE have work underway to assess the attainability of the 2021 WHO Global Air Quality Guidelines for the NZ context.
- Once that work is complete, the Minister will be provided with further advice on AQ management in NZ.



What do we do about it?

- 1. Status quo – do nothing**
- 2. Adopt PM_{2.5} standard in principle and progress some small policy actions including early bylaw review**
- 3. Undertake a plan change to lock a PM_{2.5} standard into policy, update rules etc accordingly.**



Preferred Option

- **Adopt PM_{2.5} standard of 25µg/m³ (24-hour average) in principle.**
- **Undertake associated policy actions, including early review of AQ bylaw and begin Airshed Management Plan in earnest.**



Why?

- **Cost effective, balanced, justified.**
- **Maintains momentum and ensures progress without being OTT.**
- **Closes some loopholes without significant cost, or significant impact to ratepayers and users.**
- **Based on the latest science and data, but mitigates risk of fully proceeding without national direction.**



Questions/feedback?



Mount Maunganui Airshed Air Management Plan

Scoping Exercise

Strategy & Policy Committee workshop - 21 May 2024





Purpose

To seek feedback for a proposed MMA management Plan, regarding:

- 1) Scope (PM10, or & odour or & other contaminants),**
- 2) Process** (brief, broader, or similar to a plan change) and,
- 3) Timeframes** (1-5 years)



Court Recommendation

“We strongly recommend that the Regional Council ... prepares an Airshed Management Plan in consultation with Ngāi Te Rangi, Toi Te Ora, affected industries, and other affected parties to ensure iterative management proceeds to ensure the objectives of PC13 are achieved as effectively and efficiently as practicable.”

Environment Court, 1st Interim Decision for PC13 (Air Quality)



PC13 Objectives

AIR-O1 Protect air from adverse effects

Protection of the mauri of air and human health from adverse effects of anthropogenic contaminant discharges to air.

AIR-O2 Ambient air quality

The region's ambient air quality meets the National Environmental Standards for Air Quality (2004) (or its amendment or replacement).

AIR-O3 Local air quality

Sustainable management of discharges of contaminants to air according to their adverse effects on human health, cultural values, amenity values and the receiving environment.



Considerations for an AMP

Multiple contaminants, some unmanageable:
(SO₂, Benzene, NO_x from transport, shipping)

Multiple recent projects in same space:

TCC, PriorityOne, Toi Te Ora

- *Consultation fatigue*
- *Perception of talk, no action*
- *Operating in silos: “Don’t you talk to each other?”*

MMAQWP cooperation could be key

Managing expectations:

- *Existing use rights/Consented activities*
- *Cumulative effects*
- *Existing land-use planning*



PM10 only

Pros and cons

Pros	Cons
Lowest cost	Precludes contaminants other than PM10
Quickest option to introduce	Disregards concerns of community, especially in relation to odour
MMAQWP involvement may allay community and submitter fatigue	Disregards full breadth of PC13 objectives



PM10 and odour only

Pros and cons

Pros	Cons
Minimal costs involved	Excludes contaminants other than PM10 and odour
Second quickest option to introduce	Disregards concerns of community in relation to contaminants other than PM10 and Odour
Greatest source of community complaint is addressed	Disregards full breadth of PC13 objectives
MMAQWP involvement may allay community and submitter fatigue	
Includes contaminants able to be controlled by Council	



PM10, odour & other contaminants

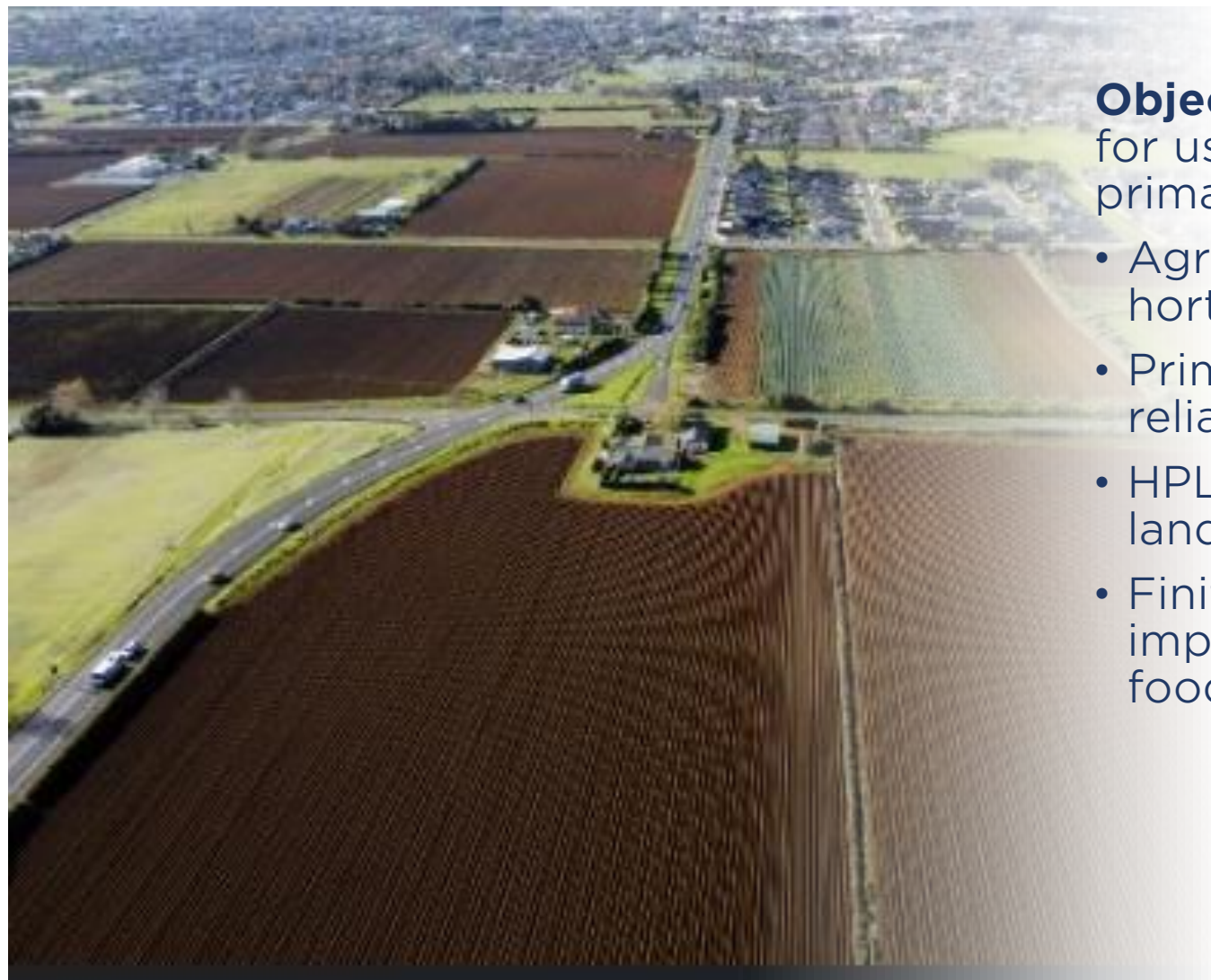
Pros and cons

Pros	Cons
Includes contaminants other than just PM10 and odour	This option has the greatest cost
Acknowledges concerns of community in relation to contaminants other than PM10 and Odour	Slowest option to introduce
Considers full breadth of PC13 objectives	An extended process runs risk of submitter or community fatigue
	May refer to contaminants that Council is unable to control (i.e. vehicle & shipping emissions of NOx, SO2)



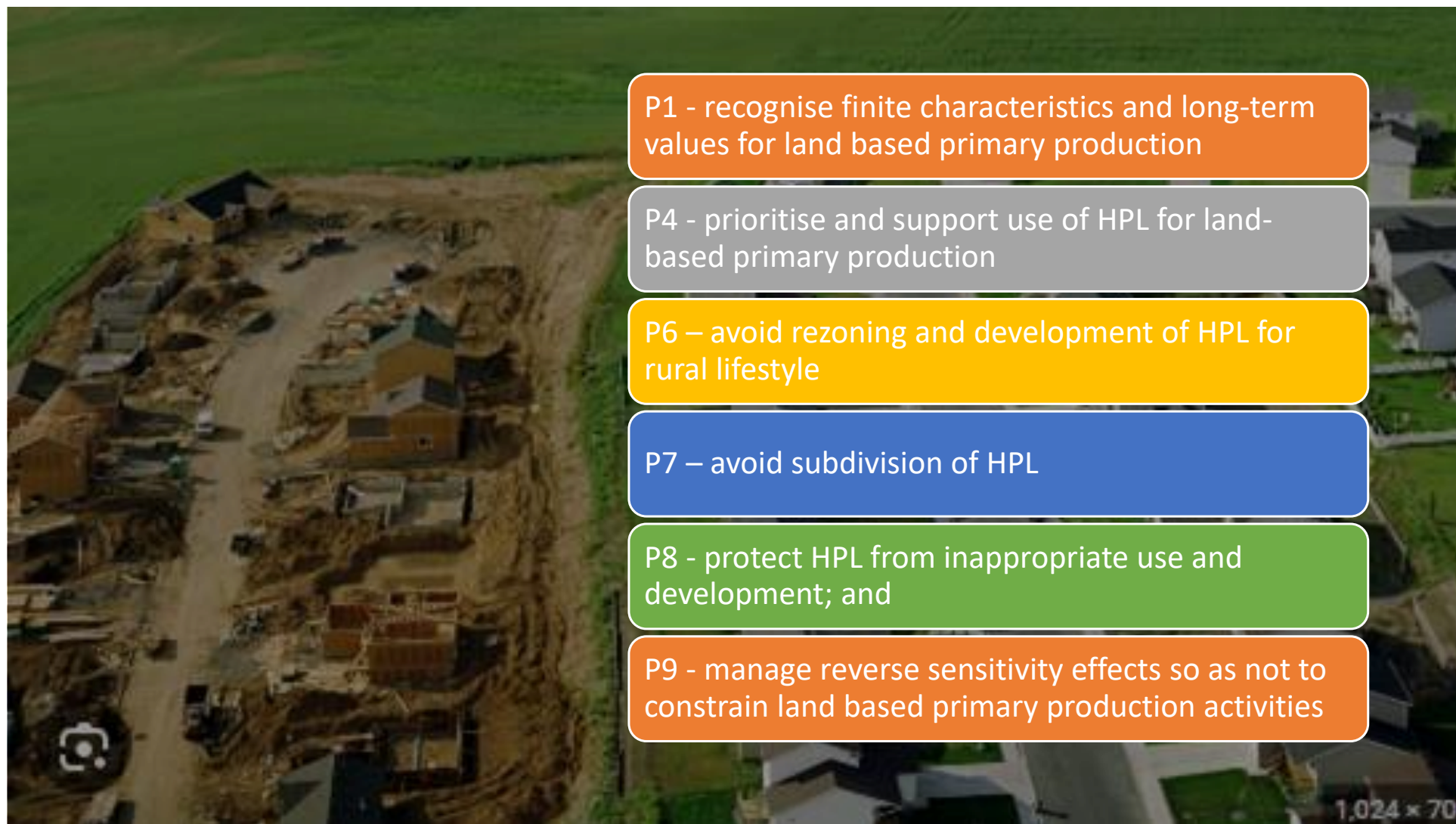
Proposed Change 8 (NPS-HPL) to the Bay of Plenty Regional Policy Statement

Strategy and Policy Committee
21 May 2024



Objective - Protect HPL for use in land based primary production

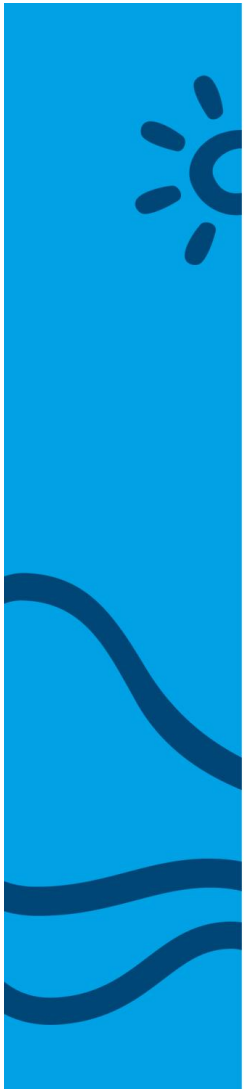
- Agriculture, pastoral, horticulture, forestry
- Primary sector uses reliant on soil resource
- HPL = 15% of Aotearoa land area
- Finite resource important for high value food and fibre

Item 7, Presentation

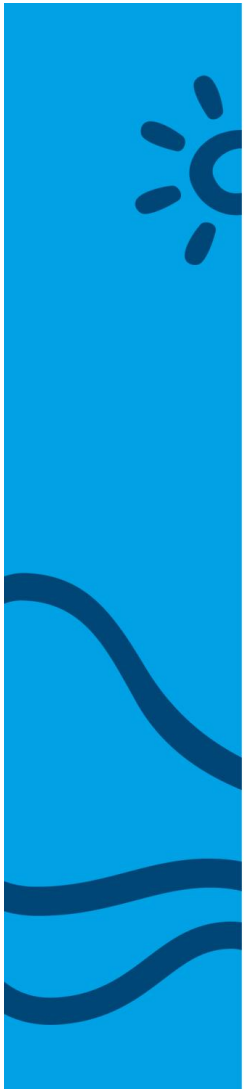


Subdivision cl 3.8

- Avoid subdivision of HPL unless:
 - Lots retain long term productive capacity
 - Is specified Maori land
 - For specified infrastructure
 - For defence facilities
- Avoid/mitigate cumulative loss of HPL
- Avoid/mitigate reverse sensitivity effects on surrounding land based rural production activities



- **Operative RPS** = Versatile Land
- Objective 26: *Productive potential of region's rural land resource is sustained and the growth and efficient operation of rural production activities are provided for*
- Rural Growth Management policies
 - UG 18B Manage rural development and versatile land
 - UG 19B Providing for rural lifestyle activities
 - UG 20B Manage reverse sensitivity effects on rural production activities and infrastructure in rural areas
 - UG 23B Provide for operation and growth of rural production activities
 - UG 24B Manage reverse sensitivity effects on existing rural production activities in rural areas



- **RPS** must map HPL
- **Timing** – ASAP or no later than 3 years
- In collaboration with TAs
- Must actively involve/consult TW
- Scale that identifies individual land parcels or parts of parcels on larger sites
- Can use natural boundaries
- Can include small discrete non HPL if part of a large geographically cohesive HPL area



District Plans

- **District plans** must include RPS maps
- **Timing** – 6 months
- Must use maps ‘exactly equivalent’ to RPS
- S 55(2) of Act
- Can rezone HPL to urban only if:
 - Will meet housing demand in NPSUD
 - No other practicable and feasible options to provide sufficient development capacity
 - Benefits outweigh long term costs



District Plans

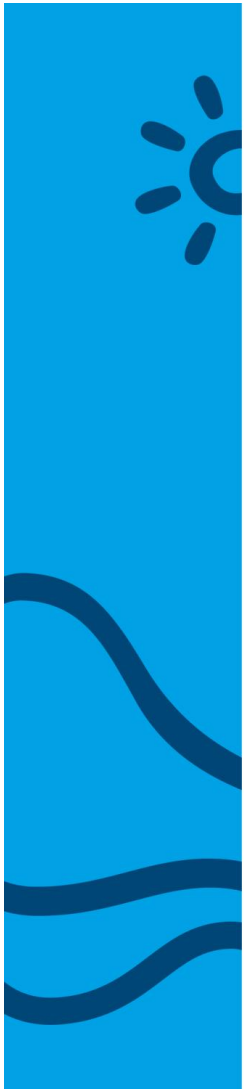
- Must include objectives, policies and rules to:
 - Identify activities anticipated on HPL
 - Avoid reverse sensitivity effects on primary production on HPL
 - Consider cumulative effects on availability and productive capacity of HPL
 - Prioritise use of HPL for primary production
 - Enable maintenance, operation or upgrade of existing activities
- Use Schedule 1 process



- Consult iwi/hapu
 - August 2023
 - April 2024
- Liaising with TAs
- Ngati Awa feedback –
 - General title land
 - Restrict whanau housing
 - Restrict papakainga development
- Maori purpose zone
- Komiti Maori submission

- 6 March MfE feedback
- MPI/MfE working through comments received
- Govt committed to reduce consenting barriers for infrastructure, housing and normal rural activities
- Identify ways to better enabling housing and appropriately preserve highly productive land

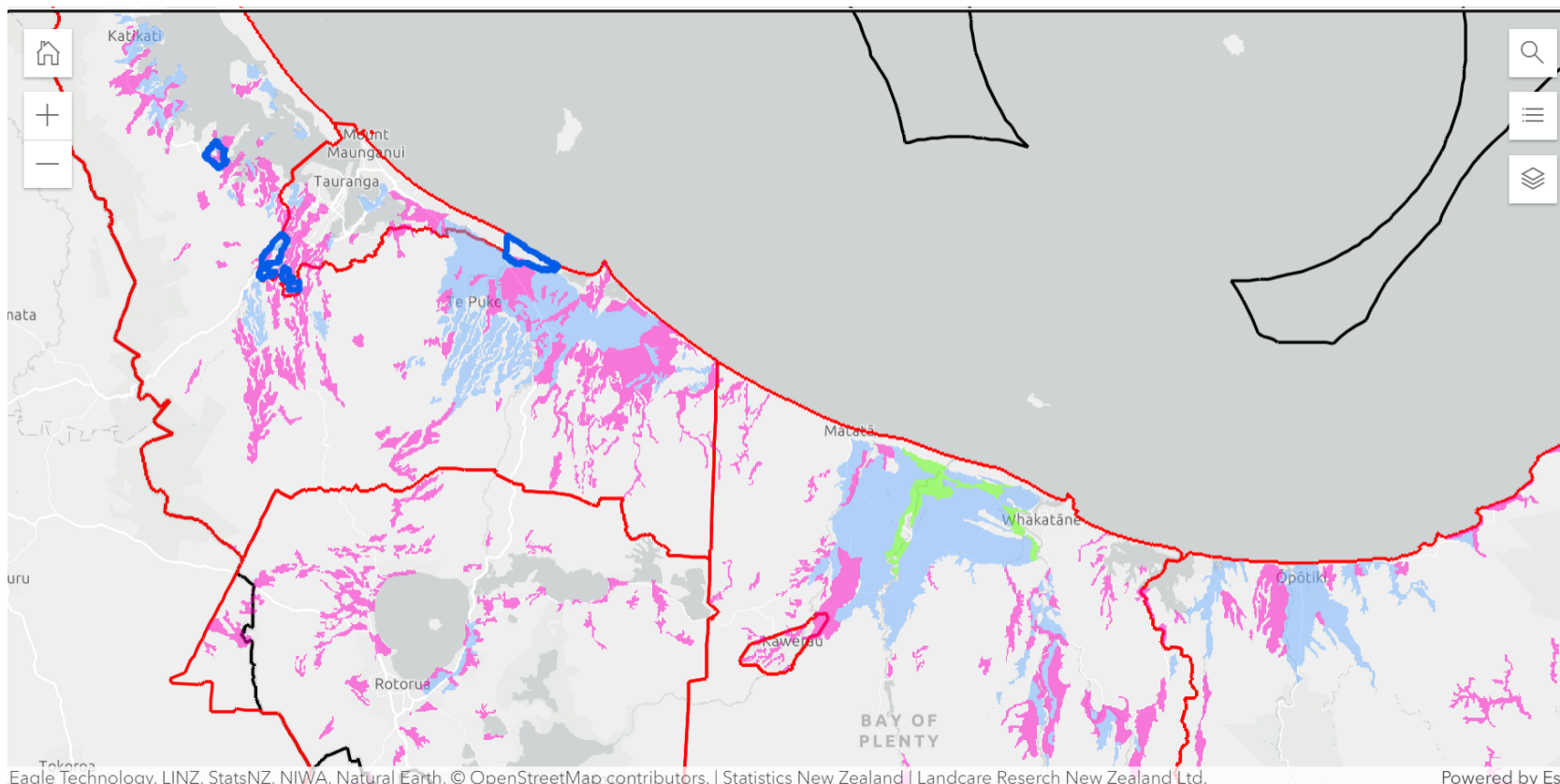




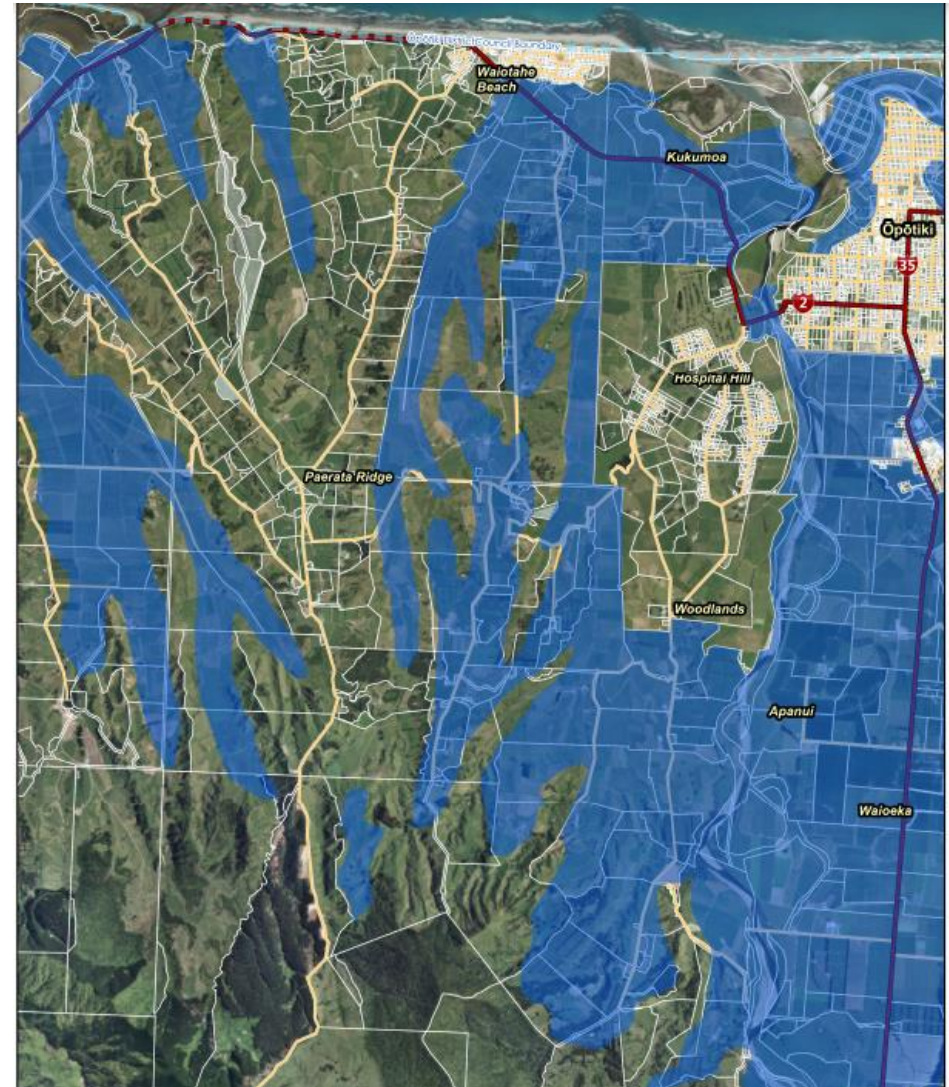
- **Highly productive land =**
 - Land mapped in RPS
 - Predominantly LUC 1, 2 and 3
 - General rural or rural production zone
- Excludes future urban development land
- To assist mapping have developed an [online HPL Webviewer](#)
- LUC 1 is shaded green
- LUC 2 is shaded blue
- LUC 3 is shaded pink

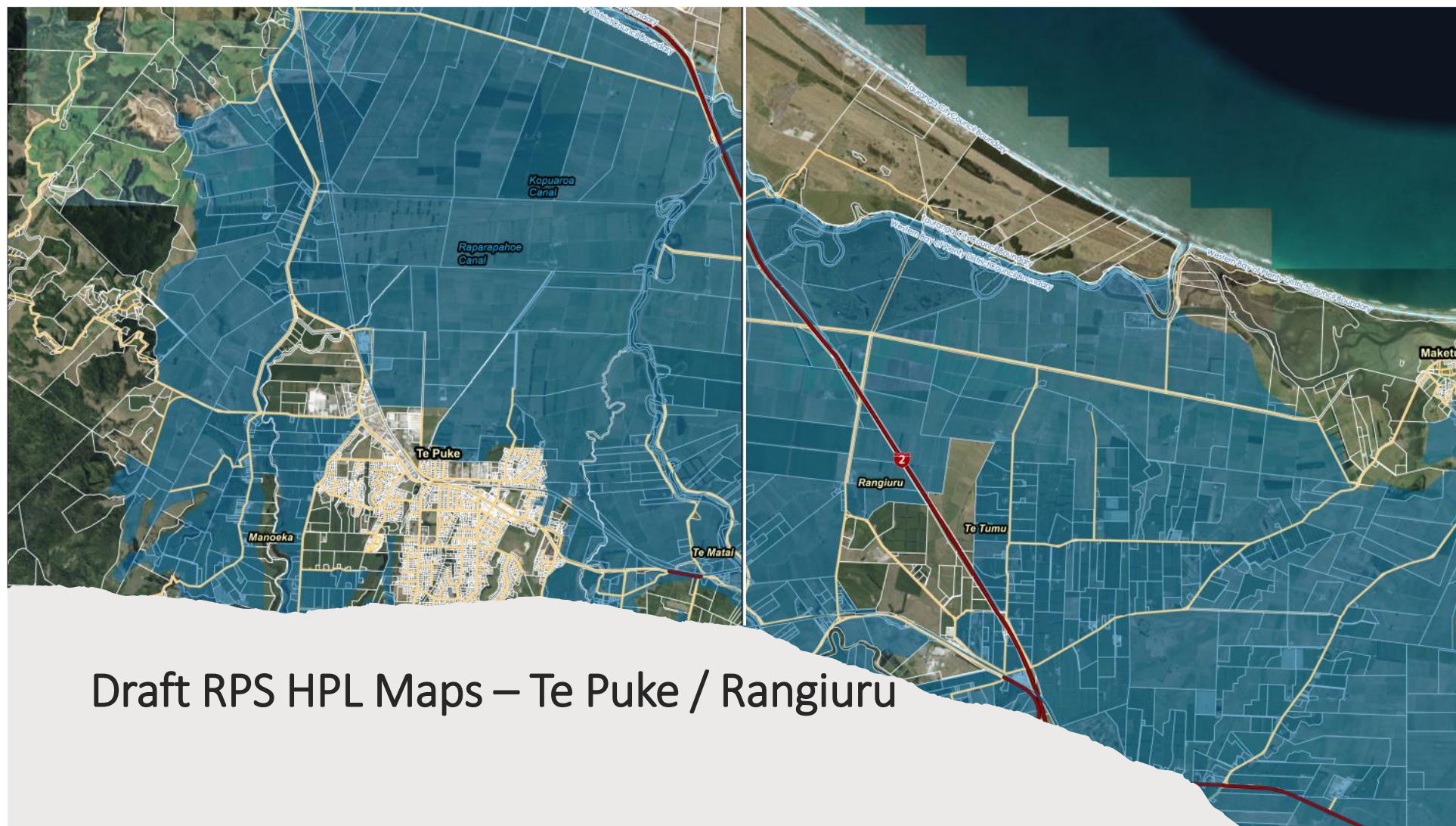
Regional Snapshot

Highly Productive Land



- Draft RPS highly productive land maps
- Land use capability classes 1 – 3
- Rural zoned areas
- General title
- Multiple owned Maori
- Exclude future identified urban development areas





Draft RPS HPL Maps – Te Puke / Rangiora

Next steps



Strategy and Policy
Committee 25 June
2024



Brakes on – until
certain what changes



Continue consulting iwi
Māori and landowners



Await changes to NPS-
HPL



Specified Māori Land

Includes:

- Māori customary and freehold land
- Land vested in the Māori Trustee
- Land set apart as a reservation under Part 17 of the Te Ture Whenua Act 1993 or the Māori Affairs Act 1953
- Land that forms part of a natural feature and declared to be a legal entity e.g. Urewera
- Land listed under section 10 of the Ngā Mana Whenua o Tāmaki Makarau Collective Redress Act 2014
- Crown land returned (whether held by the Crown or by a local authority) to the iwi/hapū (Treaty settlements – general title)



Māori Land in general title (in HPL areas)

- Land not deemed “Māori specified land” subject to NPS HPL
- Land holdings of this nature may be 1 – 4ha
- May have been converted from Māori freehold land for the purposes of housing development or other activities
- Coastal areas identified as HPL “catch” Māori land in general title – will have implications where Marae and Papakāinga are required to retreat



Options/relief

Māori Purpose Zones

- Council initiated Plan change
- Private Plan Change

Or alternatively convert back to Māori freehold land

Issues

- Council initiated plan change – council must agree – costs associated
- Private plan change – cost borne by the applicant
- Conversion to Māori freehold – difficult to obtain loans from banks – generally will not consider this type of land as security against a loan