

An aerial photograph showing a steep, forested hillside. A road runs along the top of the slope, and a large area of reddish-brown earth has eroded away, exposing the underlying soil and rocks. The surrounding forest is dense and green.

Framework and Plan for Resilience to Natural Hazard Risk

22 April 2026

Councillor Workshop

Dave Wade

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[waikatoregion.govt.nz](https://www.waikatoregion.govt.nz)

Workshop purpose

1. Provide project overview
2. Seek feedback on draft prioritisation approach
3. Share upcoming planned engagement

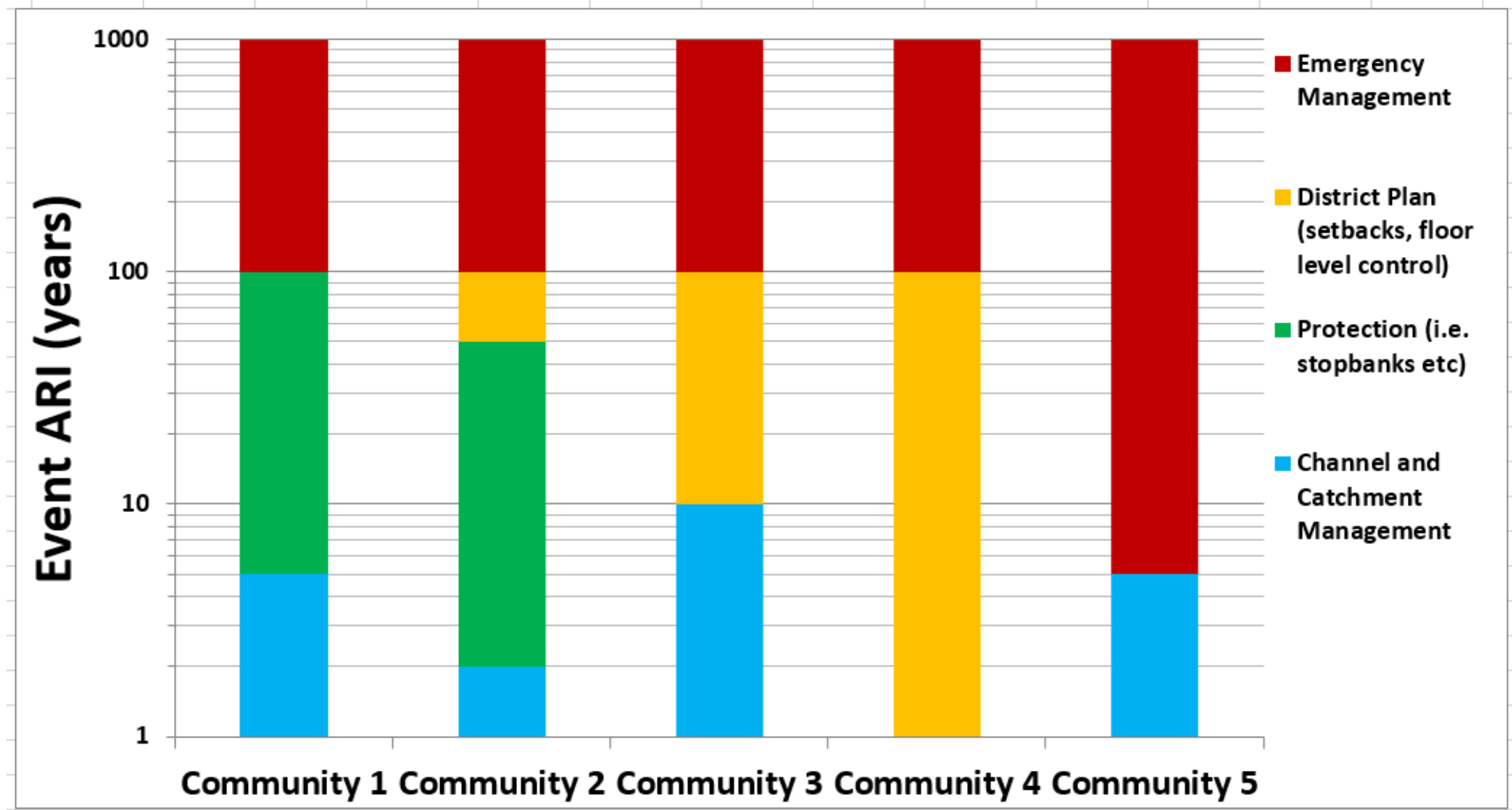
Scope



Risk reduction and adaptation

Communities and land use

All natural hazards: climate change induced and geological



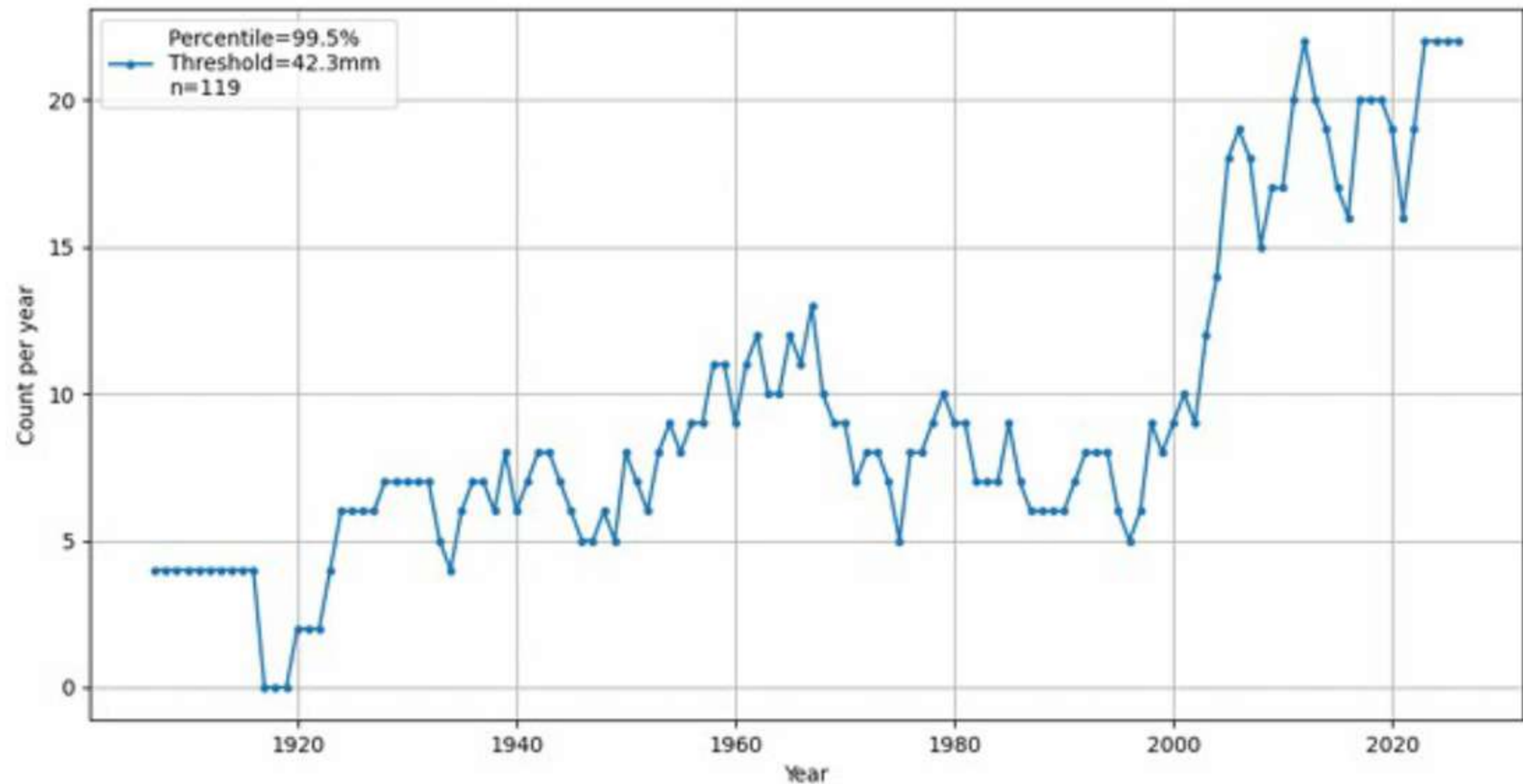
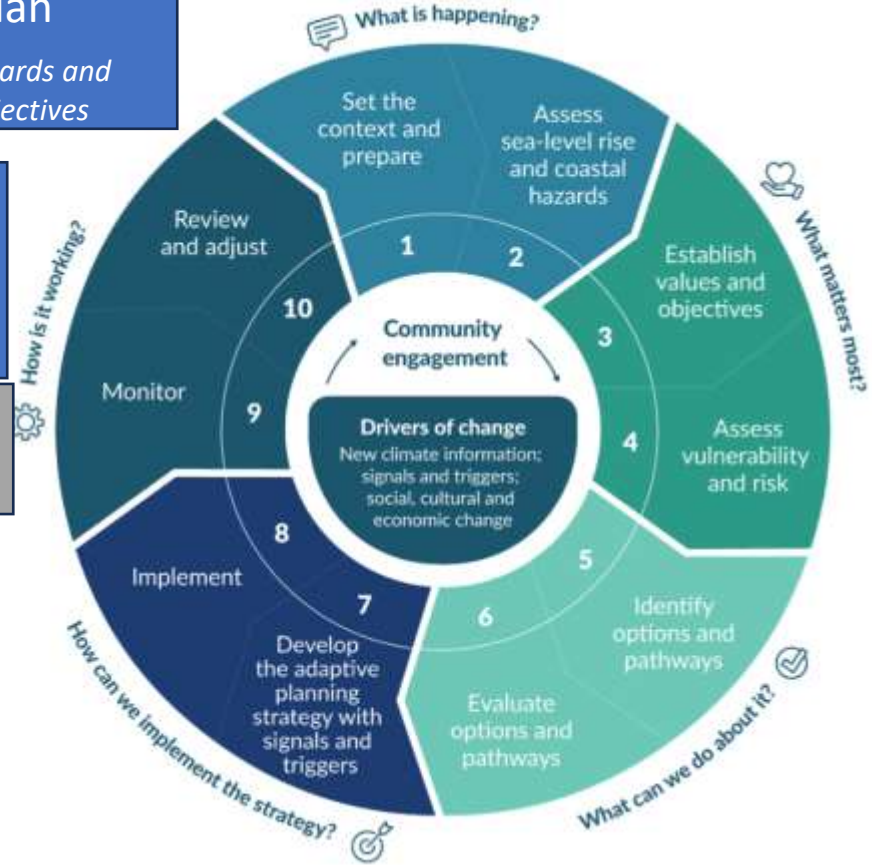
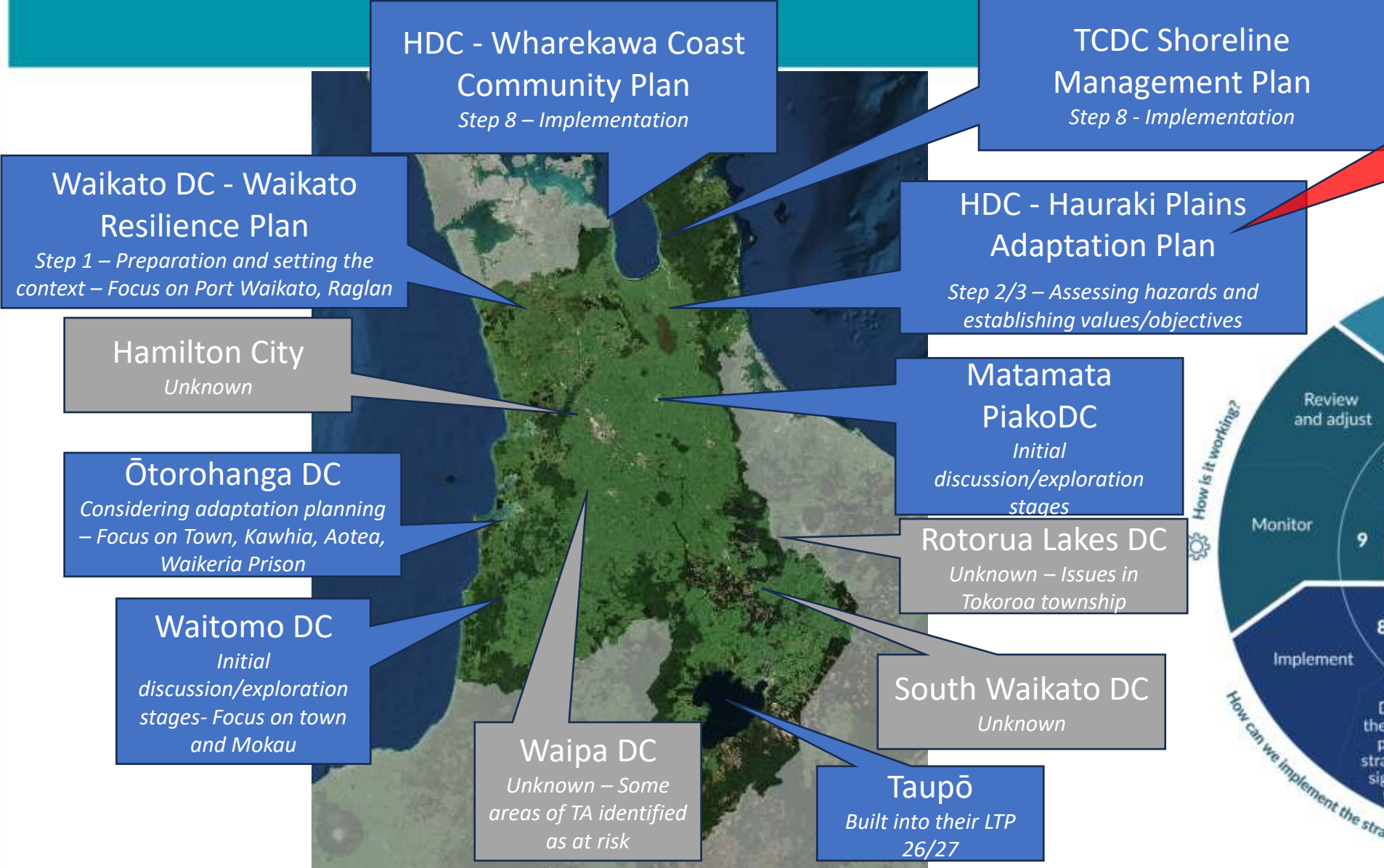


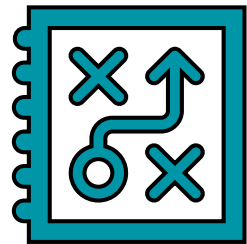
Figure 5: Ten year moving sum of count of rainfall events per year greater than 99.5th percentile of daily rainfall (42.3mm) at Ruakura station

Adaptation projects across the Waikato region

WRC time commitment
 c.2800hrs of (73% ICM, 7% SPI, 20% Other)



Why are we doing this project?



Help achieve
our Strategic
Priority
*Building
regional
resilience*

Increasing
natural
hazard risk
to existing
communities
and land use

Financial &
resource
constraints:
ensure we
invest our
limited
resources in
the highest
priority
locations

Efficiencies:
whole-of-
organisation
approach to
resilience
resourcing

Alignment:
Stakeholders
and partners
know our
approach
and plans

Prepare for
legislative
reforms

Project outputs

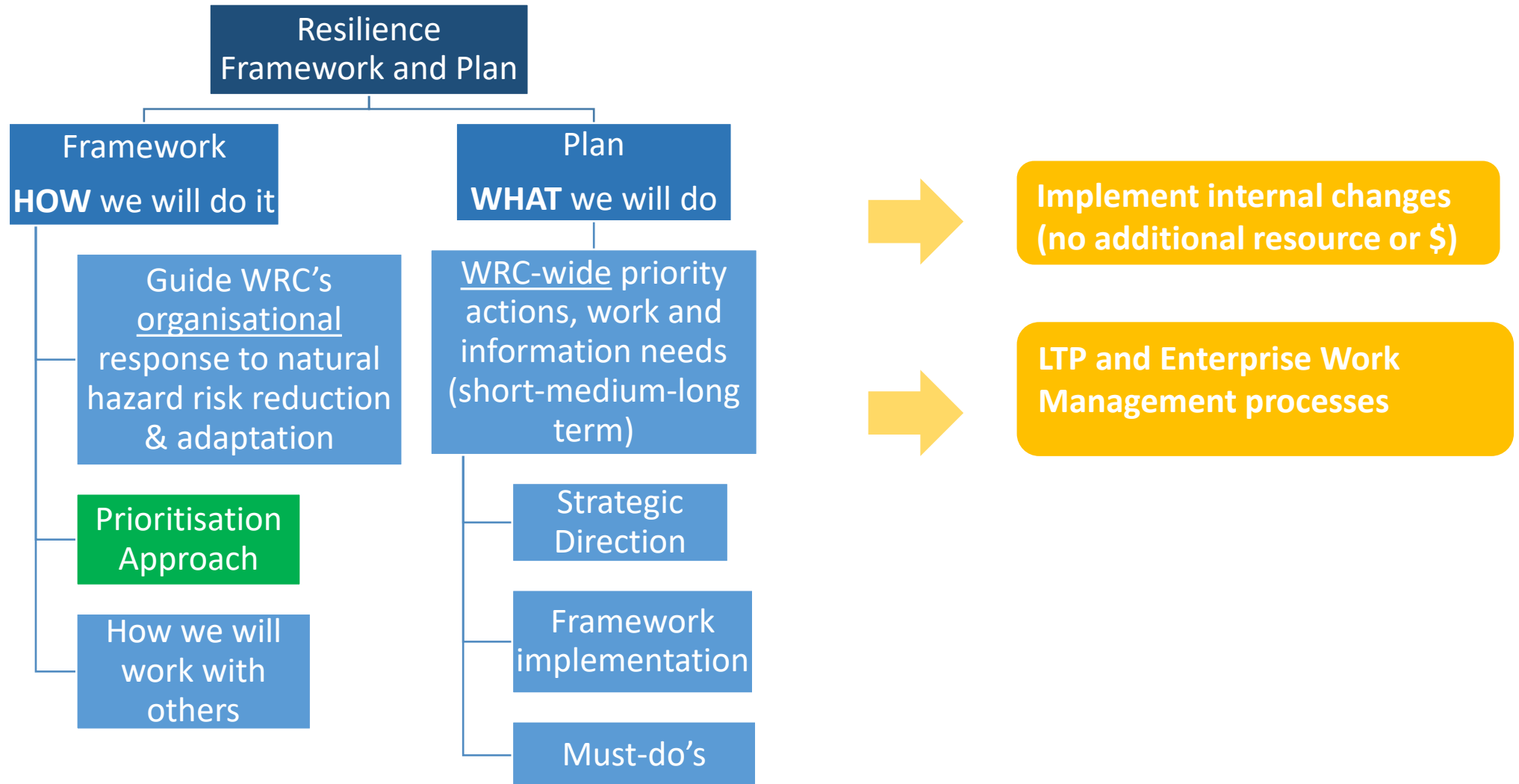
Establishment of
Resilience and Adaptation Advisory Group (RAAG)



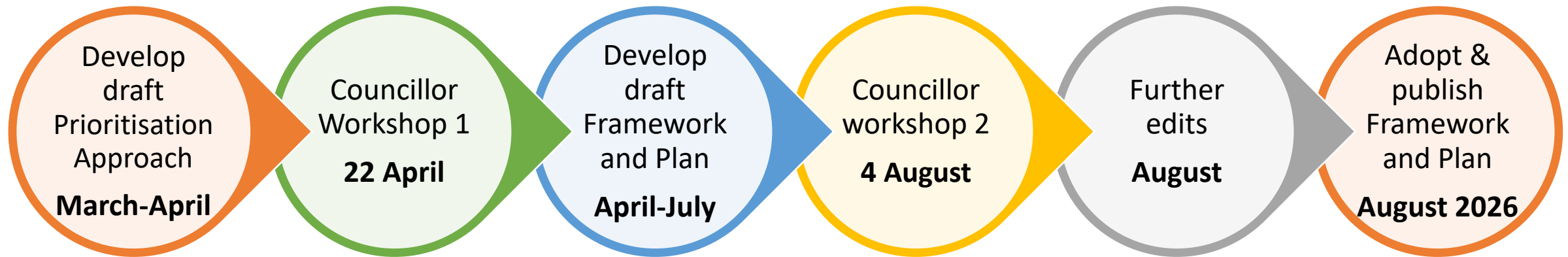
WRC Framework and Plan for
Resilience to Natural Hazard Risk



Framework and Plan



Key timeframes and engagement



Internal and external engagement March-July
WRC SMEs, iwi partners, TA adaptation staff, Waikato CDEM Group

Prioritisation Approach for WRC Natural Hazard Risk Management

National Policy Statement for Natural Hazards 2025
December 2025

Otago Regional Council
prioritisation approach
ISO 31000:2018 Risk Management

Definition of Prioritisation Approach

- Inputs**
- Qualitative and quantitative data sources
 - Regional Exposure Assessment for suitable hazard datasets

Deliver Prioritisation Process (steps 1-7)

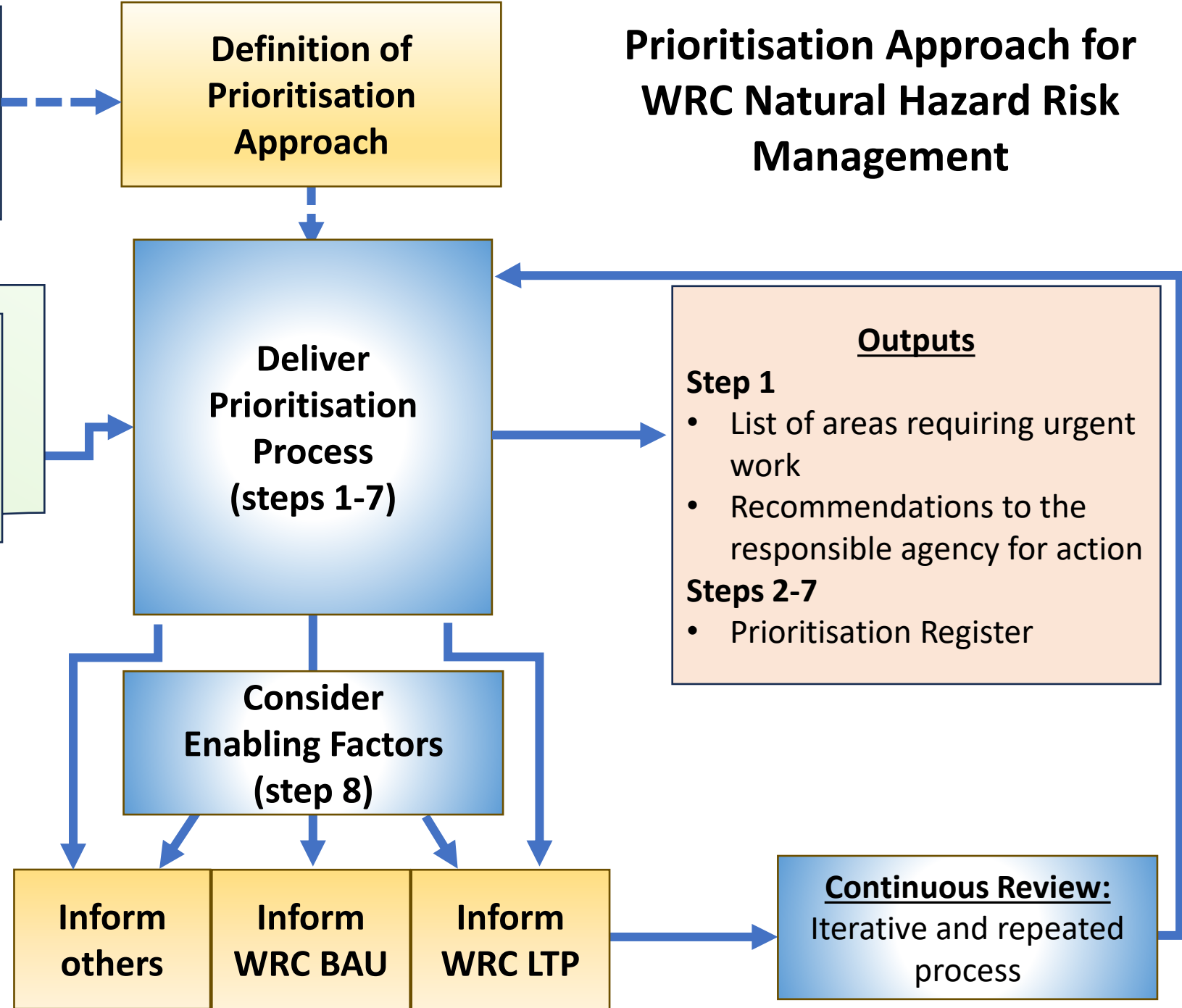
- Outputs**
- Step 1**
- List of areas requiring urgent work
 - Recommendations to the responsible agency for action
- Steps 2-7**
- Prioritisation Register

	Likelihood Level						
	Almost Certain	Very Likely	Likely	Possible	Unlikely	Rare	Very Rare
ARI (years)	<= 10	10-20	20-50	50-100	100-500	500-1000	> 1000
APP	10% or more	5% to 10%	1% to 5%	2% to 1%	1% to 0.2%	0.2% to 0.02%	< 0.02%
Catastrophic	Very High	Very High	Very High	High	Medium	Medium	Medium
Major	Very High	Very High	High	High	Medium	Medium	Medium
Moderate	High	High	High	Medium	Medium	Low	Low
Minor	Medium	Medium	Medium	Medium	Low	Low	Low
Highly/m	Low	Low	Low	Low	Low	Low	Low

Consider Enabling Factors (step 8)

Inform others **Inform WRC BAU** **Inform WRC LTP**

Continuous Review:
Iterative and repeated process





Regional exposure modelling

Tells us **who/what** is exposed
(# of people, infrastructure,
buildings, kms of roads)

To **what**
(the hazard)

And **when** this might occur
(current/future climate)

Councillor feedback



1. Do you support the proposed Prioritisation Approach in principle?
2. What do you like about it?
3. What don't you like about it?
4. Any general or specific feedback/reflections?
5. Questions?

Further feedback: lisa.armstrong@waikatoregion.govt.nz

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