

Investigating the role of iwi management plans in natural hazard management



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National
SCIENCE
Challenges

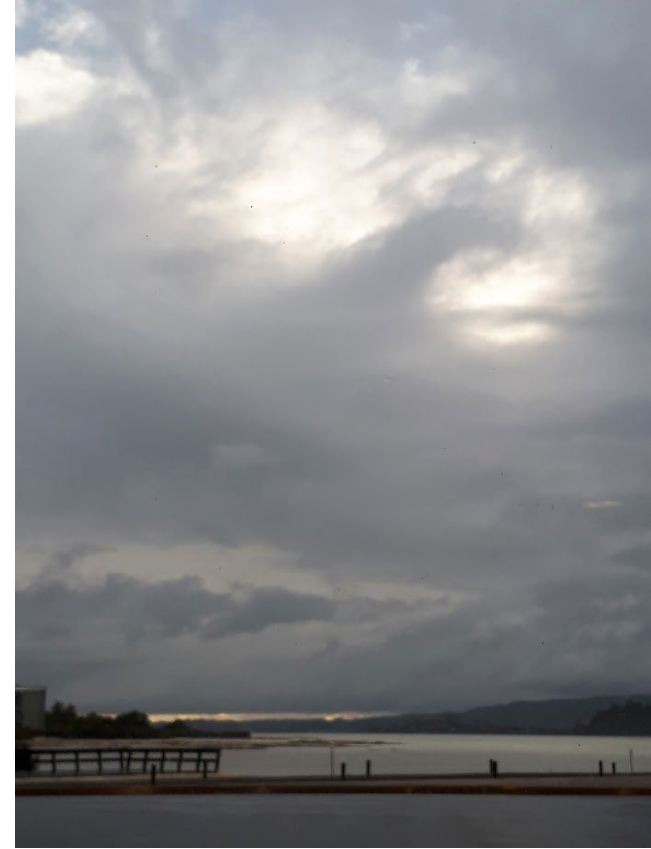
RESILIENCE
TO NATURE'S
CHALLENGES

Kia manawaroa –
Ngā Ākina o
Te Ao Tūroa



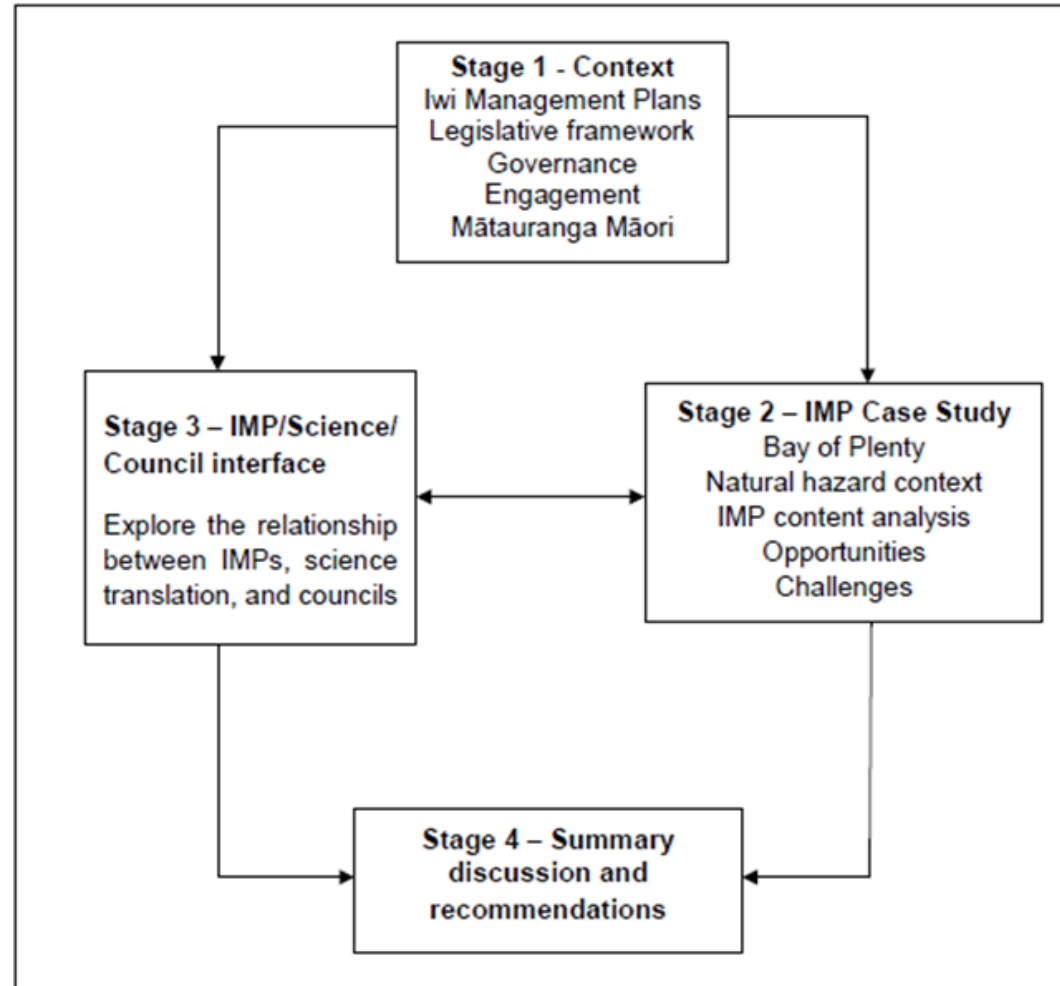
Why are IHMPs important?

- **Legislative documents**
- **Provide the cultural context**
- **Outline priorities for iwi**
- **How to engage with iwi**
- **IHMPs provide an opportunity to include information on**
 - natural hazards, management options, action points for reducing risks, engagement processes (to assist with the transfer of natural hazard science) and mitigation measures

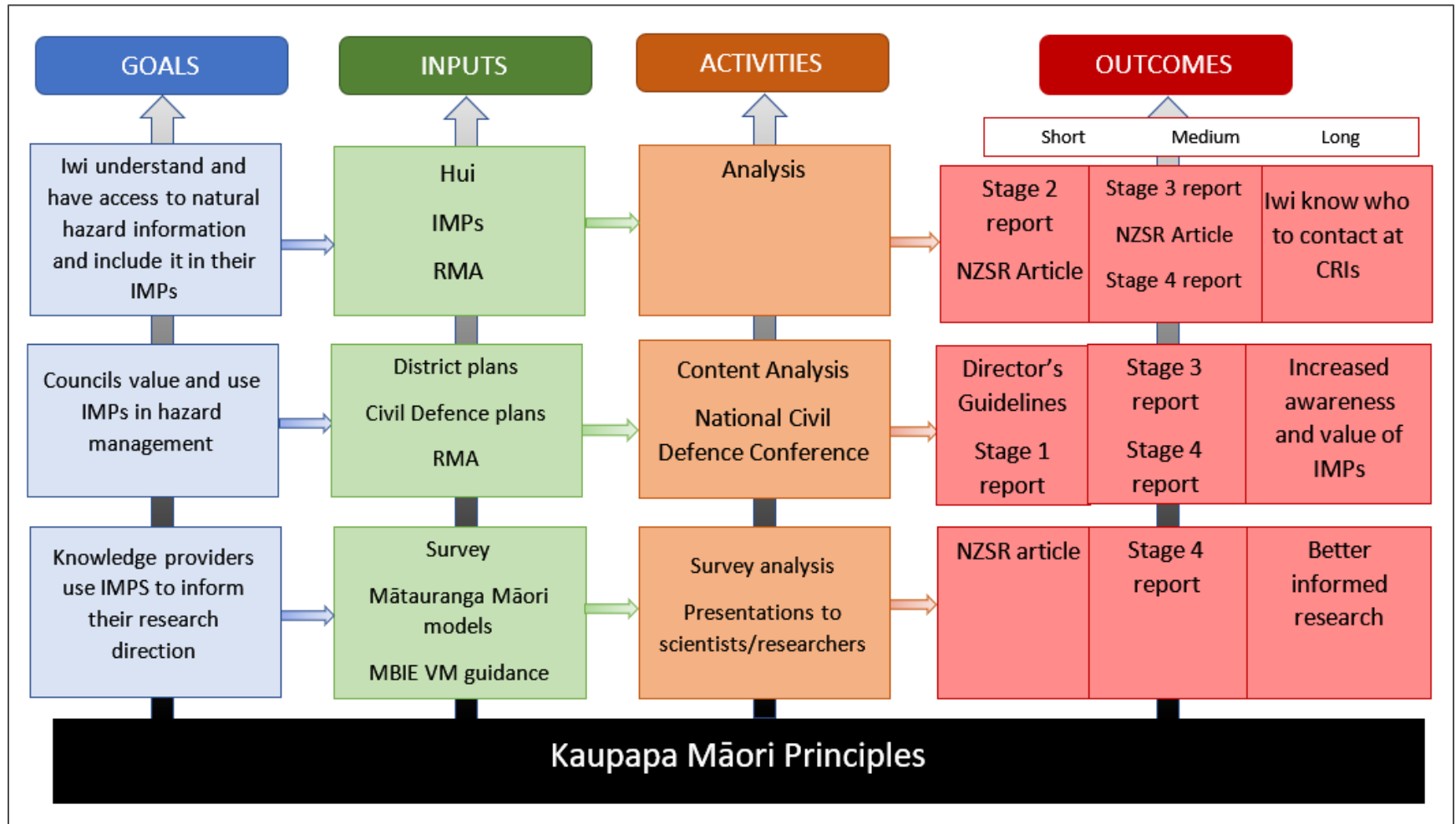


Structure of research

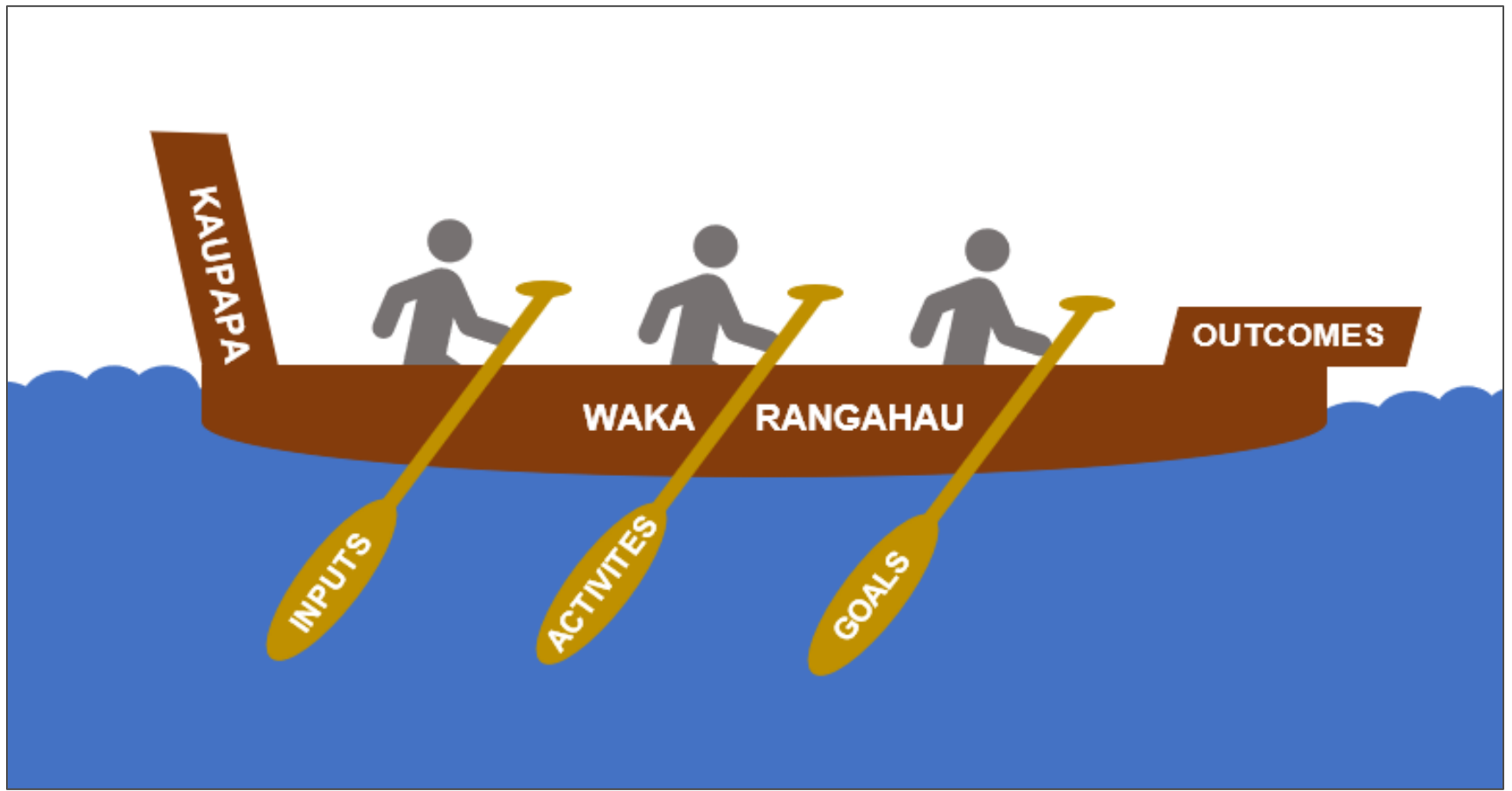
What is the role of iwi management plans in natural hazard management?



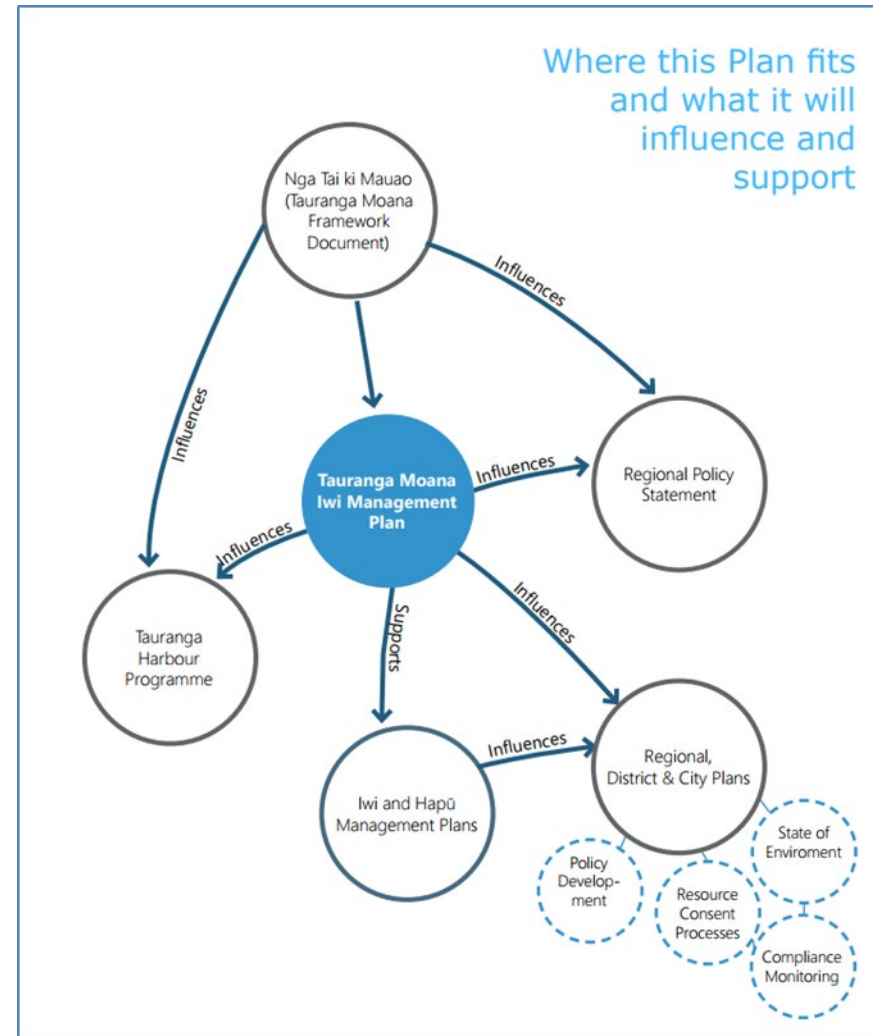
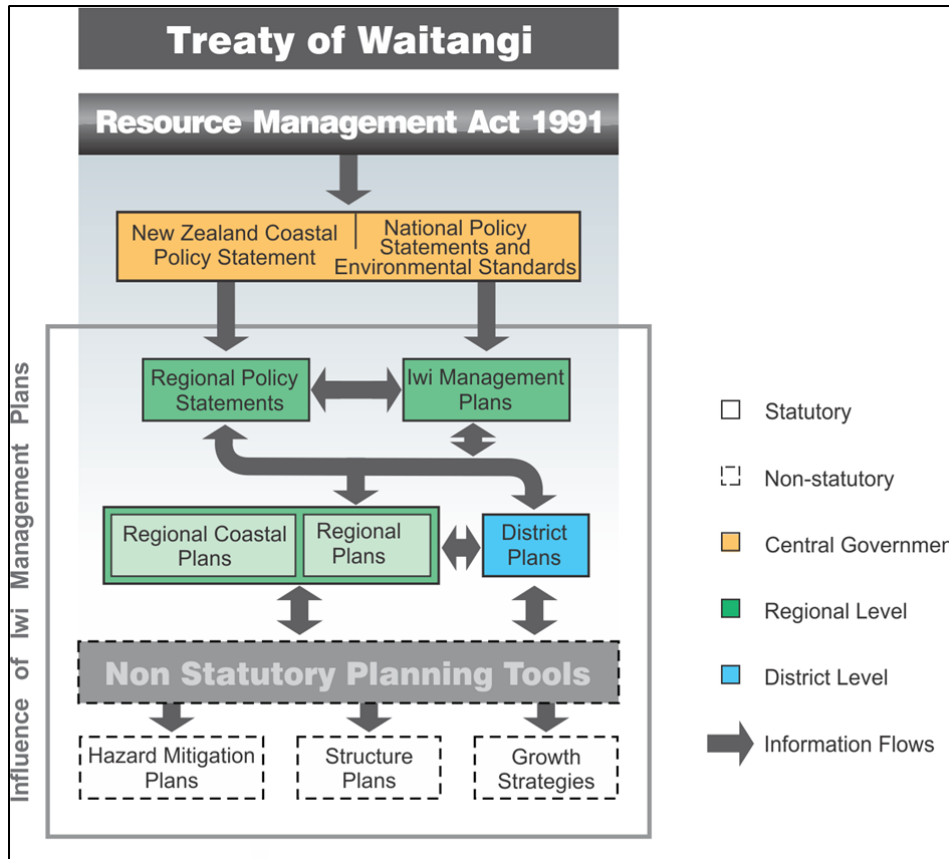
Project Design



Kaupapa Māori Framework



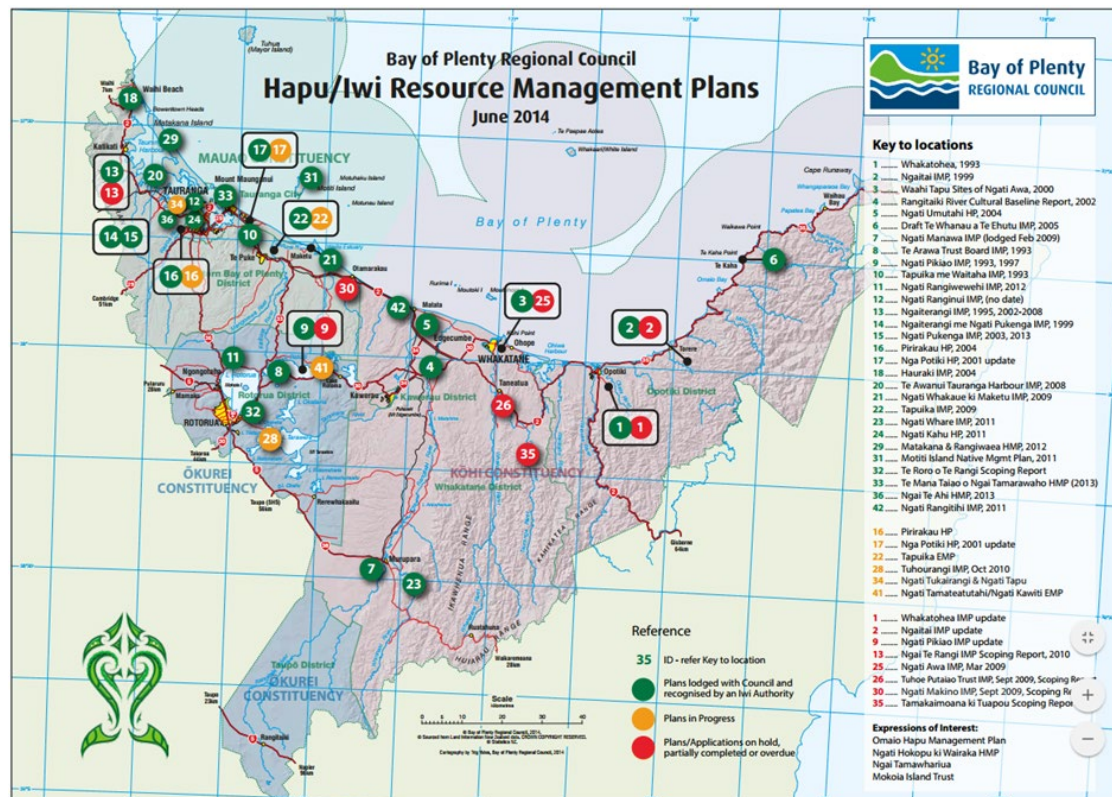
Stage 1 – Setting the scene



Saunders, W.S.A. 2017. Setting the scene: the role of iwi management plans in natural hazard management. GNS Science report 2017/30, 34 p.

Stage 2 – Case study of IHMPs

- How are IHMPs including natural hazards?
- How are Council plans recognising IHMPs?
- Bay of Plenty Case study – 21 plans assessed



Stage 3a and 3b- Verifying findings

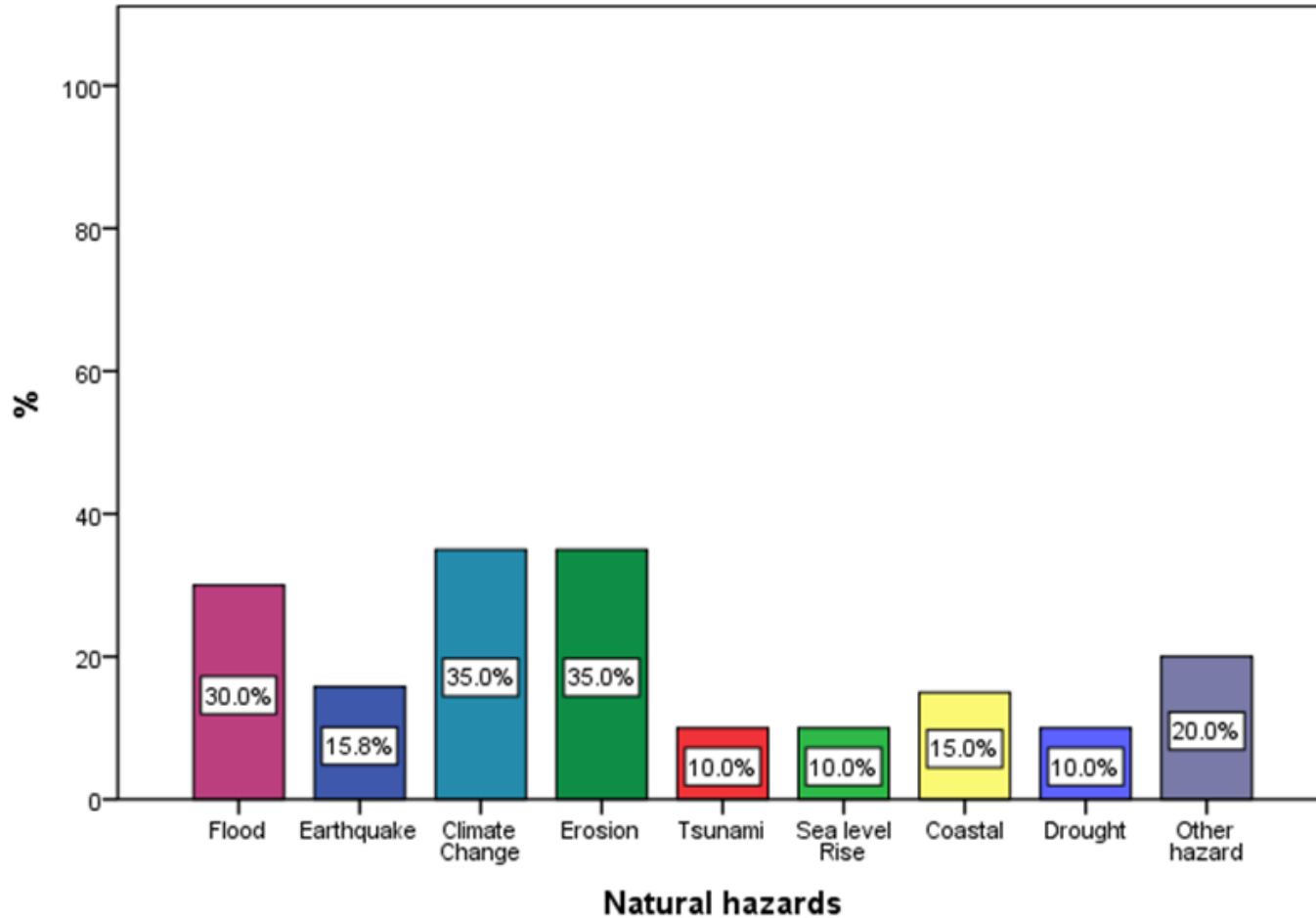
3a

- What is the relationship between iwi and hapū and regional and district councils in the development and implementation of IHMPs?
- What is the relationship between IHMPs and council policies and actions?
- How accessible is hazard-specific scientific knowledge for iwi and hapū?

3b

- What is the potential for IHMPs to inform science direction?
- How are science outputs aligned with IHMPs?

Key findings



81% of IHMPs have coastlines, yet only 10% address sea level rise and tsunami.

Key findings

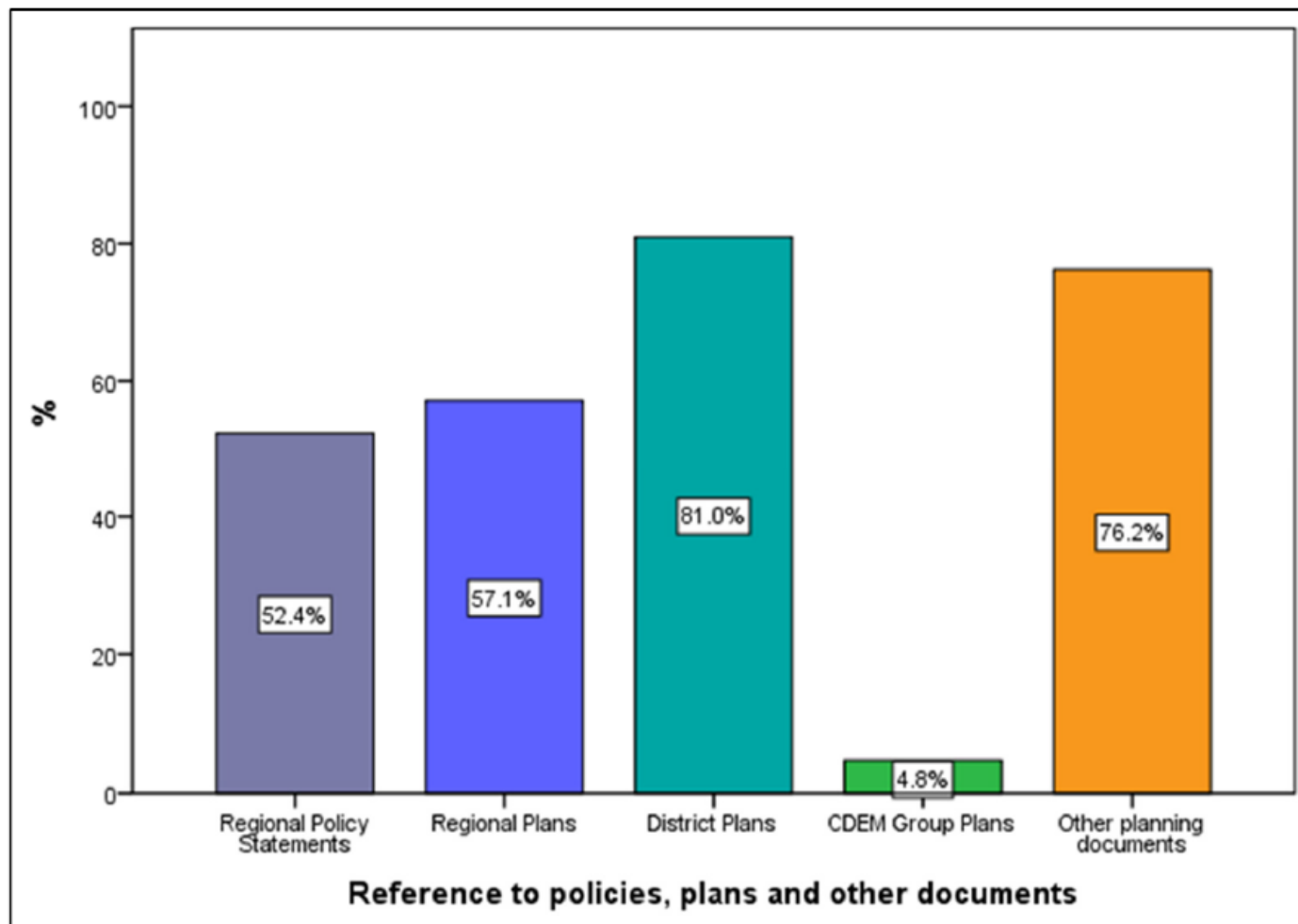
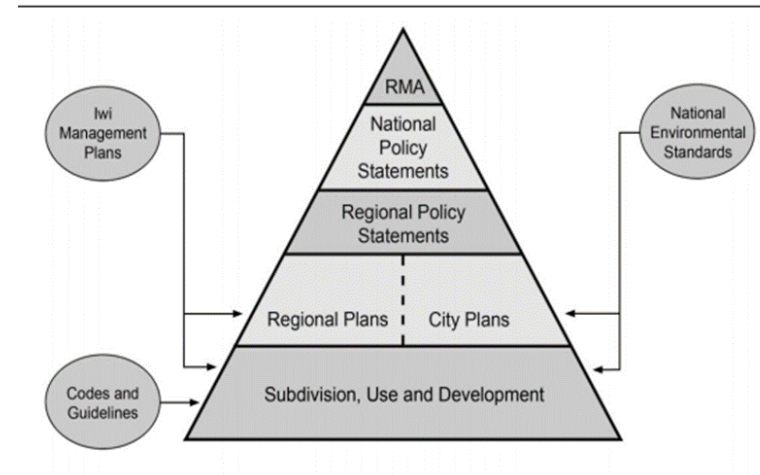


Figure 7.3 Statutory planning documents referred to in IMPs.

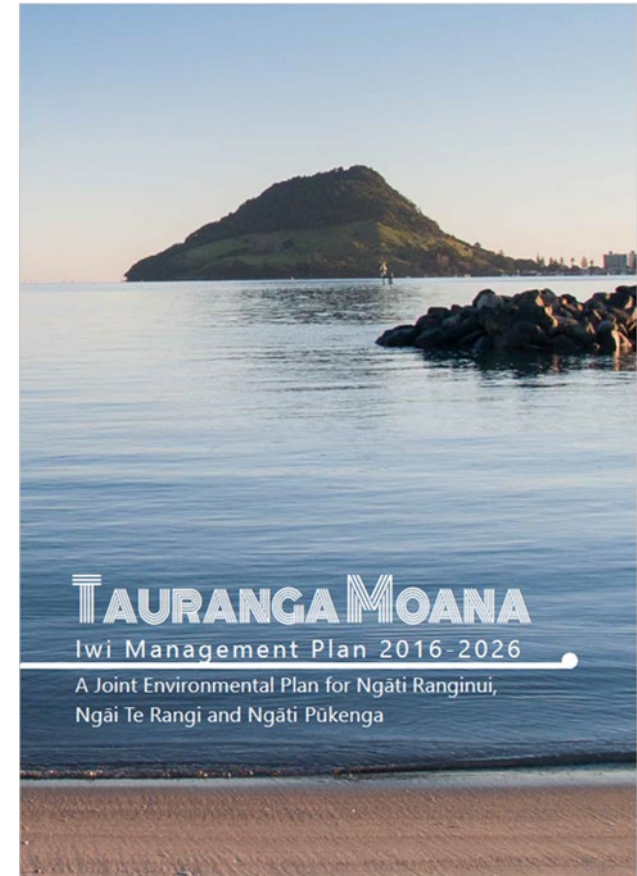
Further analysis of IHMPs

- **Four of six IHMPs analysed**
 - Inclusion of natural hazards and climate change
- **Relationship to other plans**
 - How?
- **Consultation/engagement**
- **Recognition of IHMPs in councils plans**
 - Including CDEM plans



Key findings of Stage 2

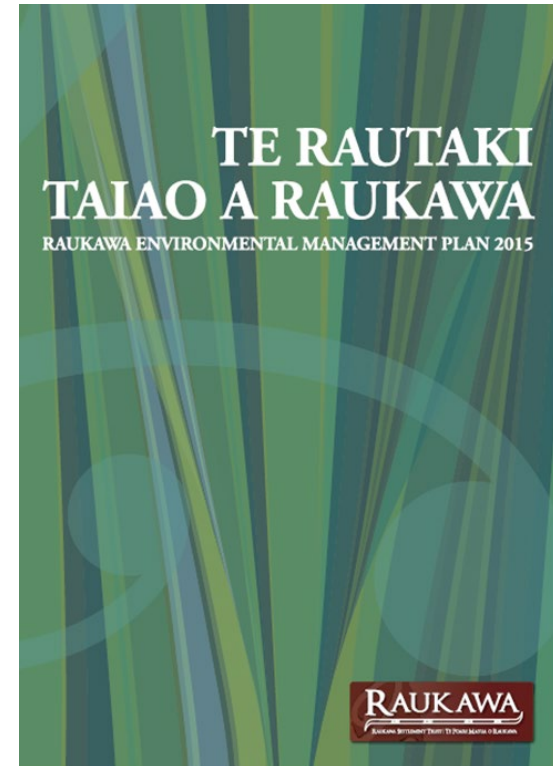
- **IHMPs are written for councils**
 - Issues, objectives, policies, methods
- **Some IHMPs include hazards, most don't**
 - Availability of hazard information?
 - Competing priorities?
 - Climate change ... SLR?



Saunders, W.S.A., 2018. Investigating the role of iwi management plans in natural hazards management : a case study from the Bay of Plenty region, GNS Science Report 2017/50. p. 51

Cries for help

- Matakana ... *urgently need an effective warning system for the Islands*
- Raukawa ...
 - ... are not well informed about the challenges posed in the event of a natural disaster;*
 - ... do not have comprehensive response plans in place to be able to respond to natural disasters;*
 - ... are unsure of natural hazards planning by local authorities and government agencies;*
 - ... are unclear as to the role they play amongst the Waikato regional local government nexus in times of natural disasters*



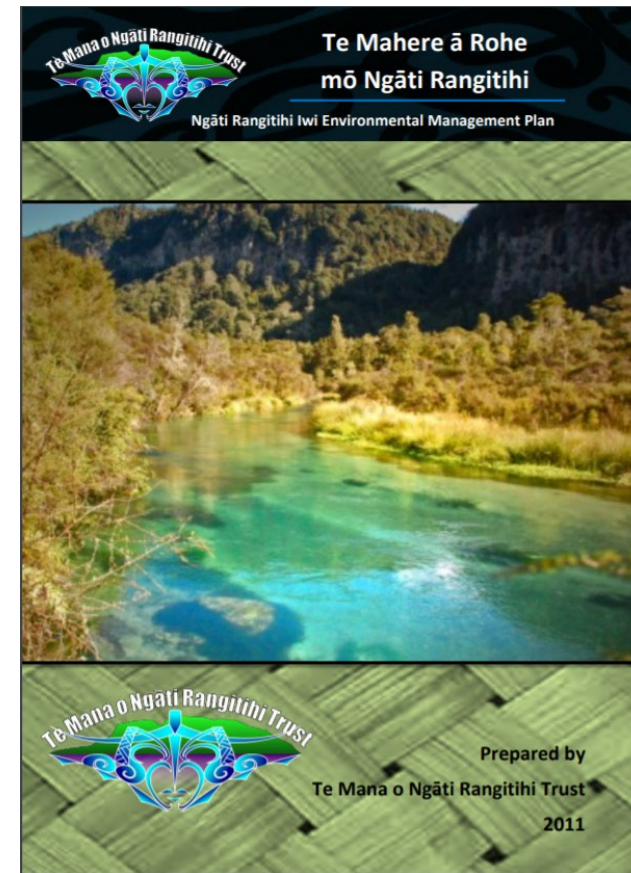
Stage 3 – implementation of IHMPs

- **Verifying Stage 2**
 - Hui with iwi
 - Meetings with councils
 - Meetings with knowledge providers
- **Key questions**
 - Do you use them?
 - Are IMPs useful/used?
 - What are the challenges and opportunities for their use?



Stage 3 – implementation of IHMPs

- **Preliminary findings**
 - Highly valued plans within iwi/hapū – their ‘bible’
 - Mixed awareness within Councils
 - Huge potential to contribute to hazard management
- **Recommendations**
 - For MFE & MCDEM
 - For councils
 - For CRIs and researchers



Recommendations - National

- **Include a session on IHMPs in 'Making Good Decisions' NZPI programme for Commissioners**
- **MfE or Quality Planning provide guidance on how to apply IHMPs**
- **IHMPs are included in the National Civil Defence Emergency Management Plan and associated strategic documents**
- **IHMPs are provided for in university planning programmes**
- **MfE, LGNZ, MCDEM and other agencies actively encourage and support councils to become aware, implement and value IHMPs by including them in guidance, templates etc.**

Recommendations - Councils

- **IHMPs included in new staff induction**
- **Councils include relevant IHMPs on their webpage**
- **CDEM staff consider IHMPs to help identify priorities, gaps and challenges**
- **Align long term planning with iwi priorities, challenges identified in IHMP**
- **Ensure natural hazard information is shared with iwi to help inform their plans**
- **Increase funding opportunities for iwi/hapū involvement in RMA processes (particularly territorial authorities)**

Recommendations - Researchers

- **Researchers use IHMPs to inform research direction and design;**
- **Researchers use IHMPs as a first stage of engagement (without replacing the engagement process) –to understand the cultural context before research is proposed and undertaken;**
- **Do not assume iwi are not scientifically literate;**
- **Research organisations should consider IHMPs when writing Vision Mātauranga policy and strategy;**
- **Research office(r)s should have an awareness of IHMPs and recommend/encourage researchers to read them.**

Recommendations - CRIs

- **CRIs increase their internal awareness and use of IHMPs;**
- **CRIs create a database of IHMPs and key contact details to assist staff;**
- **CRIs invite iwi and hapū to lodge IHMPs with the organisations if they are not lodged or easily accessible online;**
- **CRIs use IHMPs to build understanding of iwi and hapū research interests and priorities to help identify relevant iwi and hapū to work with for general research topics.**

Key messages

- **IMPs can be a valuable hazard management tool across council**
- **Check out IMPs in your area**
- **If no hazard information, why?**
- **What needs do they have?**
- **IMPs are a great ‘easy’ first assessment of iwi priorities, needs, gaps, engagement**
 - You can use these to inform your practice!



Ngāti Rangiwewehi Iwi Environmental Management Plan



2012



TE MARU O NGATI
RANGWEHEHI
IWI AUTHORITY
30/12/2012

Contact us!

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