

# Welcome!



## 2019 New Zealand Sea Lion Threat Management Plan Advisory Group



Te Rūnanga o NGĀI TAHU



**Fisheries New Zealand**

Tini a Tangaroa



Department of Conservation  
*Te Papa Atawhai*

# Purpose

- To build an understanding of the results of the past year's Sea Lion Threat Management Plan work
- To review the projects being undertaken in 2019/2020 and provide an opportunity to make suggestions about the methods
- To discuss and develop projects for the 2020 / 2021 financial year for Auckland and Campbell Islands.

Time	Task	Who
9:00	<b>Karakia, Mihi Whakata</b> Introductions Purpose and Agenda	Hoani Langsbury Michelle Rush
9:15	<b>Progress Report – Findings from 2018 / 2019 work</b>	All
10:00	<b>Sea Lion / Rāpoka TMP Research Proposals 2019/2020</b>	Enrique Pardo, All
10:45	<i>Morning Tea</i>	
11:00	<b>Forum Catch Up and Review</b>	All
11:15	<b>Updating the Current Situation for Sea Lions Auckland and Campbell Islands</b>	All
11:30	<b>Proposals for Research Focus Areas 2020 / 20</b>	All
1:00	<b>Workshop Evaluation &amp; Next Steps</b>	All
1:15	<i>Lunch</i>	
2:00	<b>Q &amp; A Other Matters</b>	Enrique Pardo
3:00	<i>Close</i>	

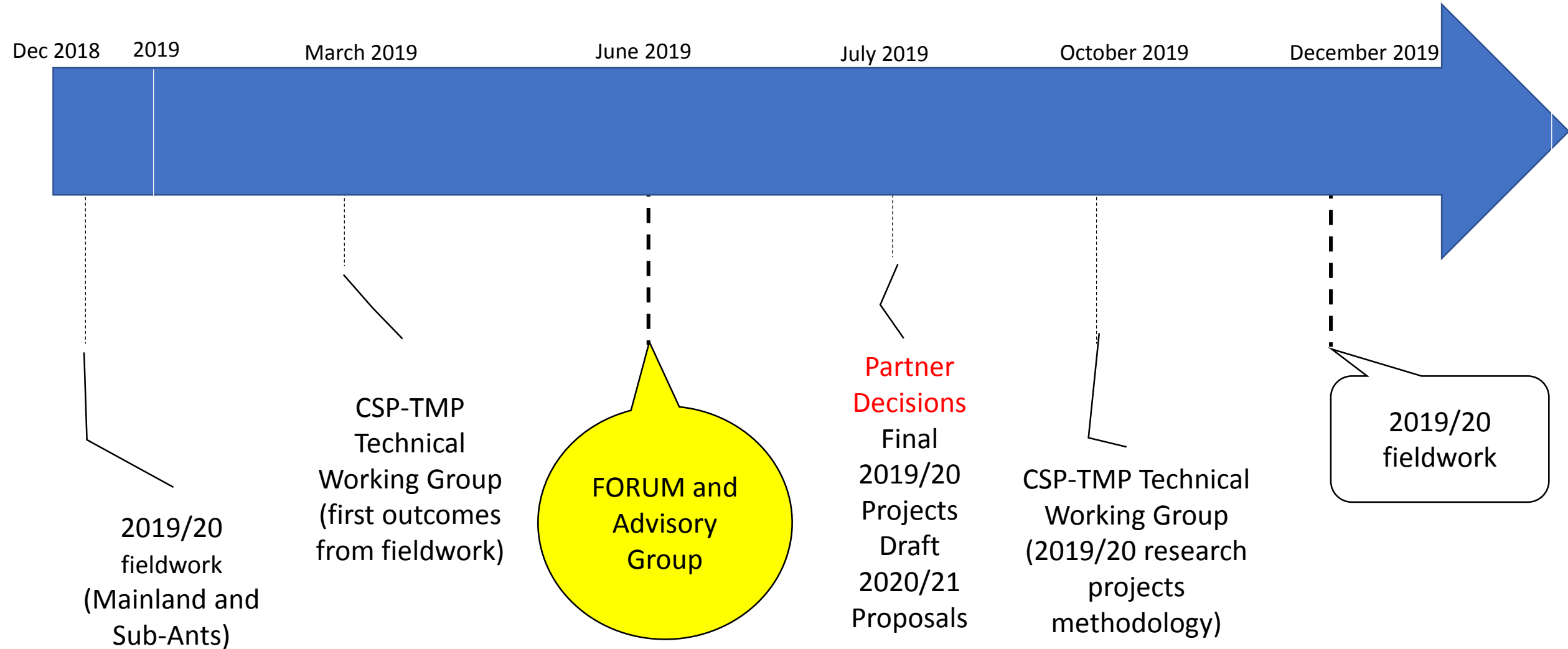
# Outcomes

- A list of projects for TMP work for 2020 / 21 in respect of Auckland and Campbell Islands
- Any other recommendation(s) the Advisory Group may wish to in respect of Rakiura, Murihiku and Otākou to;
  - Fisheries NZ
  - Conservation Services Programme
  - Others.

# How Workshop Results will be used

- With the Forum suggestions, provide the basis for a worked up set of proposals to be tested again with Forum and Advisory Group members before finalising a package to recommend to TMP Partners
- Refined proposals for 2020/21 year will return to the 2020 Advisory Group for endorsement

# NZ Sea Lion TMP – engagement



**Fisheries New Zealand**  
(Sea lion activities and projects related to fisheries management and research)

**Ongoing projects and research**

**Squid 6T fishery queries**

Key contact: Fisheries NZ → greg.lydon@mpi.govt.nz

Squid Operational Plan  
Technical Advisory Group

**Fisheries research, population modelling queries**

Key contact: Fisheries NZ → ben.sharp@mpi.govt.nz

Aquatic Environment Working Group (AEWG)

Priorities discussion

Key contact: TMP coordination → marine@doc.govt.nz

**Forum and Advisory Group**

**Department of Conservation – National Office**  
(Overall coordination, research of interactions of fisheries and sea lion, other research projects, fieldwork updates and stakeholders engagement)

**Ongoing projects and proposals**

**Sea lion and fisheries interactions**

Key contact: CSP team → csp@doc.govt.nz

Conservation Service Programme, Technical Working Group (TWG)

**Non-fisheries research proposals and updates**

Key contact: TMP coordination → marine@doc.govt.nz

Threat Management Plan, TWG

**Fieldwork expression of interest**

Key contact: TMP coordination → marine@doc.govt.nz

Subantarctic fieldwork

**Targeted issue not covered above**

Key contact: TMP coordination → marine@doc.govt.nz

Ad-hoc working groups (i.e. tag-Advisory Group)

**Department of Conservation – Otago, Southland and Stewart Is**  
(Local and regional responses, regional fieldwork, advocacy and conservation action in the area)

**Regional, local projects**

**Advocacy, fieldwork and local/regional actions**

Key contact: Regional offices.

Otago/Southland/Stewart Is fieldwork

# 2018 / 2019 – Progress Report

Research Programme Area	No.	2018 – 2019 Project Name
<b>POP2018-03 New Zealand Sea Lion</b>	1	Auckland Islands pup counts and updates
<b>TMP New Zealand Sea Lion</b>	2	Otago and Southland pup counts and updates
	3	Stewart Island pup counts and updates
	4	Campbell Island pup counts, updates and preliminary results from gross post-mortem investigations
	5	Suitable habitats model – southern South Island project updates
	6	Enderby Island pup mortality and necropsy preliminary results
	7	Campbell Island pup behaviour in relation to terrain traps
	8	Fisheries New Zealand projects update
	9	Mātauranga project update



A photograph of two researchers in waders standing on a sandy beach covered with many seals. The researchers are wearing orange and black waders. The background shows the ocean with waves breaking on a rocky shore. The text is overlaid on the left side of the image.

An update for the  
2019 Advisory  
Group

June 2019

# 2019/20 NZ sea lion projects

# Monitoring Projects

## Pup count and tagging in all breeding sites

- Subant extended season, CSP protocols
- Introducing M-R in Campbell Is.
- Microchip all sites, but Campbell Is.

## Dundas re-sighting

- Increasing re-sighting effort

# Pup Mortality in Subantarctics

## Operation Endurance

- Navy vessel to Campbell Island November 2019
  - Terrain trap mitigation: fence, material for bogs/holes
  - Campsites improvements
- 

## Davis Point Mitigation

- Fieldwork season, assessment holes, bogs and fence.
  - Early start (mid-Dec) and camera trap project
- 

## Necropsy – Enderby Island

- Continue with necropsies at Enderby
- Potential control seasons for *Klebsiella* research

## All area projects

### Mātauranga Maori

- Recommendation coming in September 2019
- Actions to be developed in 2019/20 and beyond

### Liaison Officer

- New role, tasks to be assigned
- To be involved in the National Engagement Strategy

### Otago Coast Planning



# Fisheries

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## SQU6T Operational Plan review

- Biannual plan review process in 2019 (SQUOPTAG)
  - Current plan expires in September
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## Cryptic mortality in fisheries

- 2018/19 research project
  - Results presented at AEWG
- 

## Campbell Island NZSL Population Sustainability Threshold (PST) Estimation

- New population assessment for Campbell Island
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## Rakiura aquaculture

- Study of proposal (Port Pegasus)
- Engagement actions





# Kia ora!

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## Questions...

Enrique Pardo  
TMP coordinator  
[epardo@doc.govt.nz](mailto:epardo@doc.govt.nz)



# 2019 / 2020 Projects for Endorsement

- Developed building on ideas and priorities identified at 2018 Forum & Advisory Group

	Project	Workstream
Campbell Island	Pup count, tagging	Evaluation
	Operation Endurance	Direct mitigation
	Davis Point mitigation	Direct mitigation
Auckland Islands	Pup count, tagging, microchipping, tagging, extended season	Evaluation
	Necropsies at Enderby Is and analysis of samples	Targeted research
	Dundas re-sighting	Evaluation
Ōtākou	Pup count, tagging, microchipping	Evaluation
Murihiku	Pup count, tagging, microchipping	Evaluation
Rakiura	Pup count, tagging, microchipping	Evaluation
Others / all areas	Mātauranga project	All
	Liaison Officer	Engagement
	SQU6T Operational Plan review	Direct mitigation
	Cryptic mortality in fisheries	Direct mitigation
	Update Campbell Island NZSL Population Sustainability Threshold (PST) estimation	Targeted research

# Understanding the 2019 /2020 SL TMP Projects

- You have ten minutes to read the poster summaries of the projects you're interested in
- Write your questions on an orange sticky note
- Write method suggestions on an green sticky note



# Te Āo Maori and NZ Sea lions – messages for mahi

- Kaitiakitanga, important to look to the past for knowledge and lessons to carry the work forward
- Important to work closely together to reduce misunderstandings and make sure we're working to the same goals; mutual respect and common goals
- Important that cultural narratives are shared appropriately – this capability needs to be built so that it can be shared and this needs to be resourced – share across silos
- *Ngāi Tahu is here.*
  - We have been here for a long time.*
  - We plan to be here for a long time to come.*
  - We have a unique relationship with the NZ sea lion.*
  - We have people who want to be and should be involved in sea lion recovery / threat management.*
  - It is important to us that cultural narratives are correct and are shared in the right way.*

# Forum – Where Things Landed

<u>Priority Projects</u>	<u>Needs On-going Effort</u>
<ul style="list-style-type: none"><li>• Hooper's Inlet Otago<ul style="list-style-type: none"><li>○ manage coastal users</li></ul></li><li>• Analyse existing sea lion foraging data from 2012, overlap with fisheries, aquaculture and diet</li><li>• Reframe existing coastal users projects for key user groups e.g recreational fishers</li><li>• National Engagement Strategy<ul style="list-style-type: none"><li>○ specifics for each coastal users group</li></ul></li><li>• Aquaculture impacts</li><li>• Identifying gaps in Management Plans<ul style="list-style-type: none"><li>○ District and Regional</li></ul></li></ul>	<ul style="list-style-type: none"><li>• Communications and Engagement with all coastal users</li><li>• Infrastructure/development</li><li>• Advocacy about sea lion issues with Councils and Developers</li><li>• Internal advocacy within own organisations</li></ul>

# Update on What's Happening – Mapping Exercise - Auckland Island and Campbell Island

For your island:

- Using the **BLACK** pen: Mark **where** the sea lions are
- Using the **RED** pen: Mark on the **current issues**.
- Using the **GREEN** pen: Identify the **current projects**.
- Using the **BLUE** pen: Identify any **new needs or gaps**
- Using the **BROWN** pen: Identify **who** needs to be involved if these are to be dealt with

# 2020 / 2021 Projects for Development

- Built on ideas from local staff and some stakeholders

Area	Project	Workstream
Auckland Islands	Pup count, tagging, re-sighting, microchipping at Enderby Is (extended season, Dec-March)	<i>Evaluation</i>
	Pup count, tagging, re-sighting at Dundas Is (extended season, Dec-Jan)	<i>Evaluation</i>
	Necropsies Enderby / Dundas? + analysis	<i>Targeted research</i>
	Klebsiella trail solution**	<i>Direct mitigation</i>
	Foraging behaviours (video / tracking data)**	<i>Targeted research</i>
Campbell Island	Pup count, tagging, re-sighting	<i>Evaluation</i>
	Terrain traps solutions assessment	<i>Direct mitigation</i>
	Foraging behaviours (video / tracking data)**	<i>Targeted research</i>
Fisheries and aquaculture	SQU6T Operational Plan	<i>Direct Mitigation</i>
	Aquaculture in Rakiura: analysis and engagement	<i>Engagement</i>
	<i>Fisheries NZ projects (TBC)**</i>	
Multi-Year Projects for Endorsement only	<i>Liaison Officer – marine mammals and TMP programmes everywhere</i>	<i>Engagement</i>
	<i>Mātauranga Māori</i>	<i>All</i>
	<i>Photo ID library of animals with shark scars or distinct scarring</i>	<i>Evaluation</i>

# TMP Progress 2018/2019

*For the project you have been given:*

- Take 5 minutes to read the summary.
- Take 5 minutes to create a 32 word plain English summary that describes:
  - what the project **did** and what were its **key findings**
- Write your project title at the top and write your 32 word summary underneath
- Get ready to read it out.

# Developing Priorities for 2020 / 2021 Part I

For your proposal:

- View the proposal in light of the issues, needs and gaps identified on the map.
- Consider also, the Maturanga Maori considerations identified at the Forum.

With these two dimensions in mind, discuss and determine the following:

- Are the goals correct?
  - Amend, or add a goal if required to better deal with an issue, need or gap
- Is the project targeting the right area?
- What skills are needed in this project?

# Developing Priorities for 2020 / 2021 Part 2

For your new proposal area:

1. Determine a project title
2. Specify the project location
3. Briefly describe the idea
4. Identify who could lead the project
5. Identify who else would need to be involved