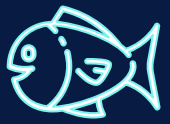
NSW: DPI

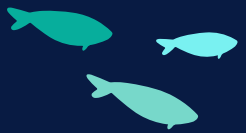
Avril Richardson, Charlotte Huckstep, Gabrielle Harrington, Sian Hamilton

47%

of individuals believe that the presence of rubbish and litter are the biggest threats to waterways such as the Marine Estate (*Sweeney Research, 2014*)



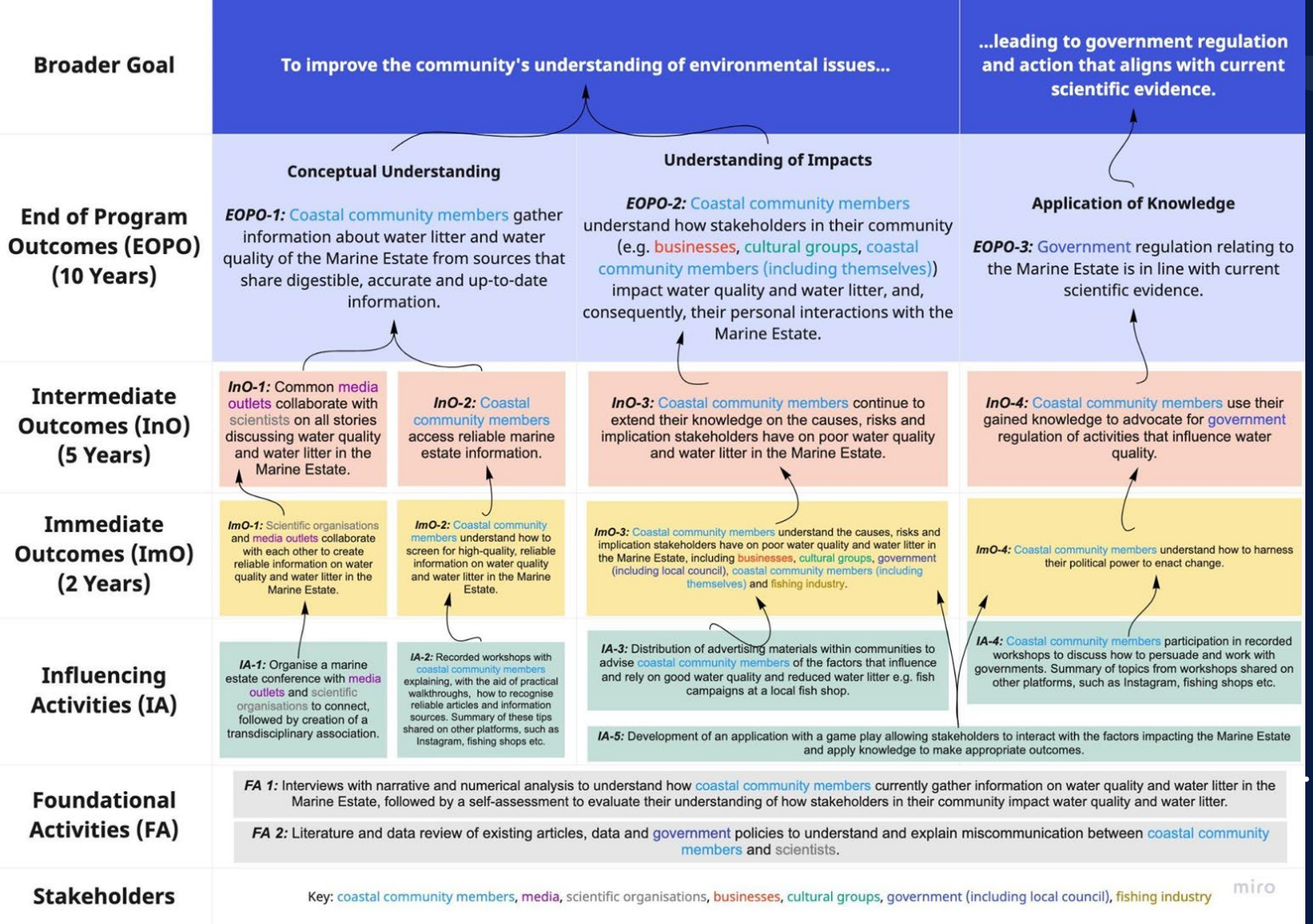
…however, the most prominent issue is **poor water quality**; influenced by factors such as agricultural runoff and urban stormwater discharge (Marine Estate Management Authority, 2017)



Accurate and thorough public understanding of environmental issues

Ability to apply governmental pressure on the most urgent issues at stake

Theory of Change



Broader Goals

- Improve individuals understanding on the issues faced by the Marine Estate
- Create governmental change which aligns with scientific evidence

End of Project Outcomes

01

Conceptual Understanding

Stakeholders understand where to gather accurate information from the joint efforts of scientists and journalists.

02

Understanding of Impacts

Coastal community members understand how stakeholders impact water quality and water litter.

03

Application of Knowledge

Government regulation aligns with current scientific evidence regarding to the NSW Marine Estate.

Foundational Activities

FA-1

Interviews with **narrative and numerical analysis** to understand **how coastal community members currently gather information** on water quality and water litter in the Marine Estate, followed by a **self-assessment** to evaluate their understanding of how stakeholders in their community impact water quality and water litter.

Foundational Activities

FA-2

Literature and data review of existing articles, data and government policies to **understand and explain miscommunication** between coastal community members and scientists.

EOPO-1

Conceptual Understanding

Coastal community members gather information about water litter and water quality of the Marine Estate from sources that share digestible, accurate and up-to-date information.

Creating Reliable Media

IA-1

Influencing Activity

Conference + transdisciplinary association

ImO-1

Immediate Outcome

Scientific organisations and media outlet collaboration

INO-1

Intermediate Outcome

Media and scientific collaboration on all news articles

Accessing Reliable Media

IA-2

Influencing Activity

Recorded workshops with practical walkthroughs

ImO-2

Immediate Outcome

Screening for high-quality and reliable information

INO-2

Intermediate Outcome

Access reliable marine estate information

EOPO-2

Understanding of Impacts

Coastal community members understand how stakeholders in their community impact water quality and water litter, and, consequently, their personal interactions with the Marine Estate.

Understanding Impacts

IA-3

Influencing Activity

Strategic distribution of advertising materials

IA-5

Influencing Activity

Development of a game

ImO-3

Immediate Outcome

Understanding the causes, risks and implication stakeholders have on poor water quality and water litter in the Marine Estate

InO-3

Intermediate Outcome

Coastal community members continue to extend their knowledge

EOPO-3

Application of Knowledge

Government regulation relating to the Marine Estate is in line with current scientific evidence.

Applying Knowledge

IA-4

Influencing Activity

Recorded workshops to discuss how to persuade and work with government

IA-5

Influencing Activity

Development of a game

ImO-4

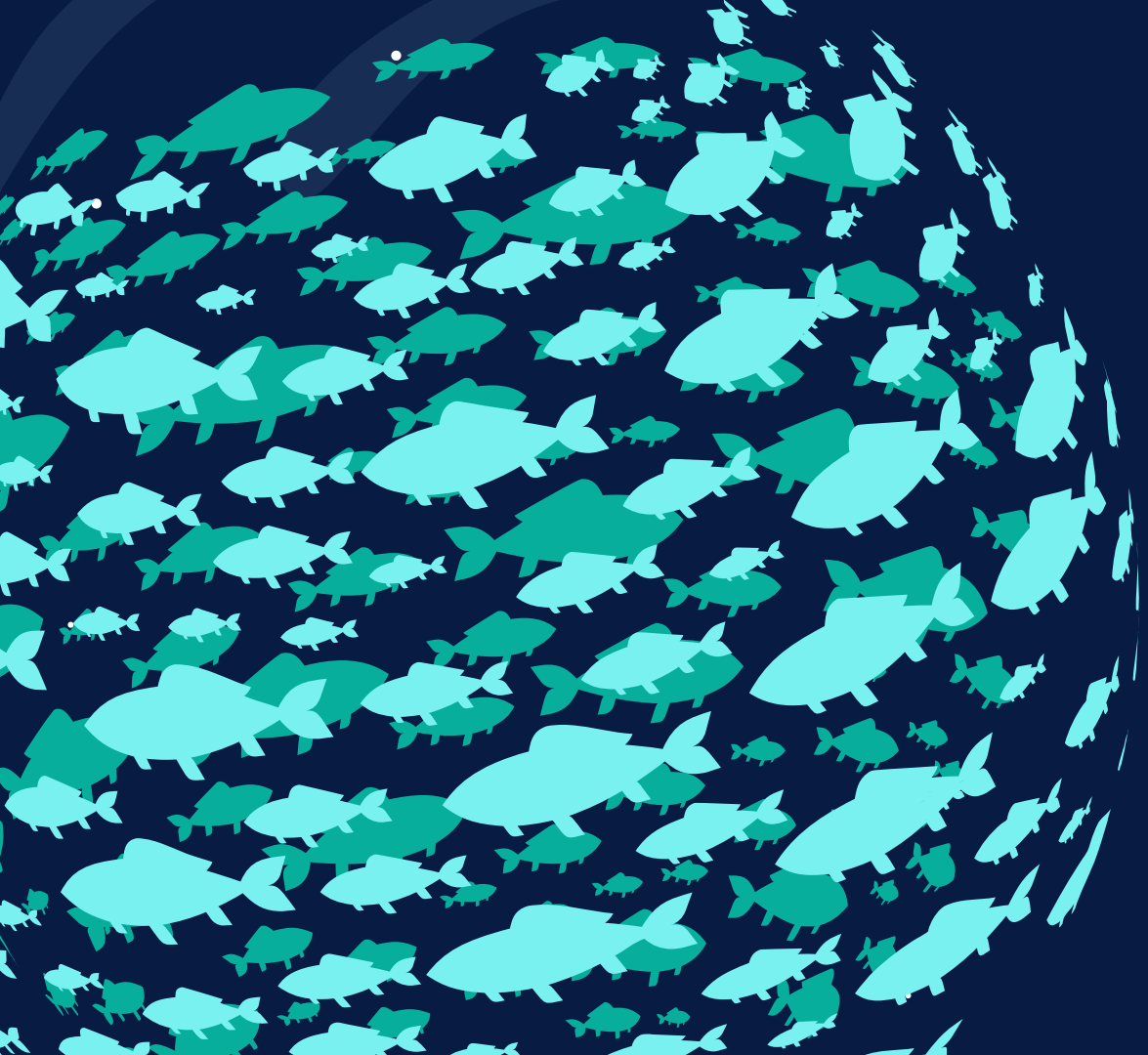
Immediate Outcome

Understand how to harness their political power to enact change

InO-4

Intermediate Outcome

Use of gained knowledge to advocate for government regulation



The Wrap Up

Understanding

Equipped with accurate information

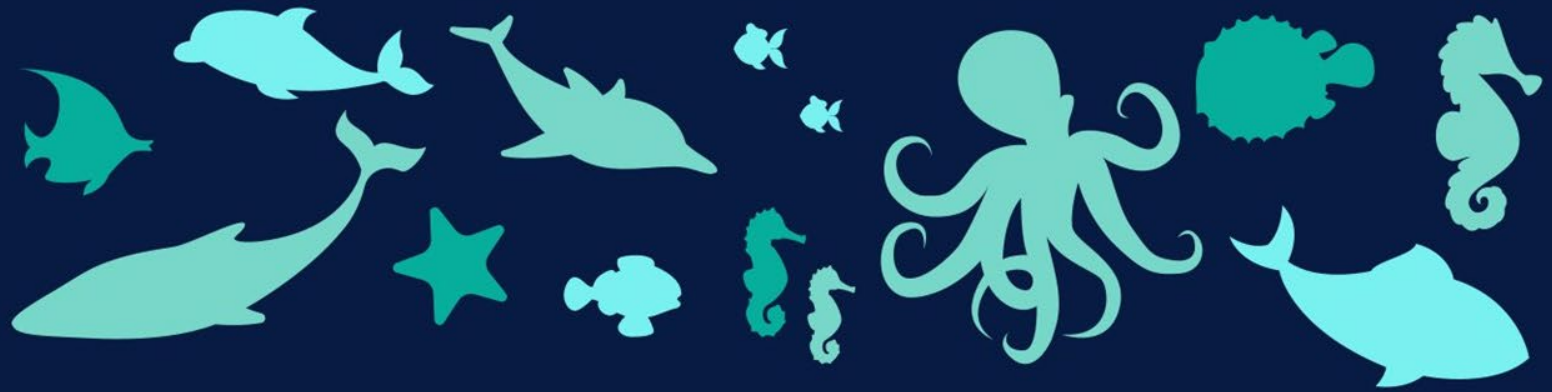
Political Pressure

Applying pressure on government policies

Future Research

Primary and secondary school education

THE END



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