

See discussions, stats, and author profiles for this publication at: <https://www.researchgate.net/publication/329652270>

Getting the Message on Sea Turtle Conservation Out in Coastal Communities at Bird's Head Peninsula – Papua, Indonesia

Conference Paper · August 2016

CITATIONS

0

READS

2

1 author:



Ricardo Tapilatu

University of Papua, Manokwari - Indonesia

65 PUBLICATIONS 302 CITATIONS

SEE PROFILE

Some of the authors of this publication are also working on these related projects:



Pacific leatherback and Global climate change [View project](#)

Making A Splash
Moving education into action

IPMEN 2016

International Pacific Marine
Educators Network Conference

Manado, North Sulawesi, Indonesia

August 10-13 | www.ipmen.net | 2016.IPMEN@gmail.com

#IPMEN2016 



INTERNATIONAL
PACIFIC MARINE
EDUCATORS NETWORK



CORAL TRIANGLE
INITIATIVE

INITIATIVE FOR THE COASTAL AND OCEAN ECOSYSTEMS



Garuda Indonesia



Safari Tours
& Travel





INTERNATIONAL
PACIFIC MARINE
EDUCATORS NETWORK

Riccardo F. Tapilatu

IPMEN Presentation

Innovation in Marine Education

Time & Date:

Wednesday 10th August

10.30am



CONTENTS

1. SESSION OVERVIEW
2. PRESENTATION DETAILS
3. VENUE DETAILS

1. SESSION OVERVIEW

SESSION TIME: 10.30am

15 minutes plus 5 minutes for Q&A

Please note that Innovation in Marine Education is a large session, and we have a number of presenters participating in this session

SESSION LOCATION: Mercure Manado Tateli Beach Resort - Conference room

SPEAKER/S: Riccardo F. Tapilatu

SESSION TOPIC: Innovation in Marine Education

SESSION NAME: Getting the message on sea turtle conservation out in coastal communities at bird's head peninsula – Papua Indonesia

ABSTRACT: Indonesia formally prohibited harvest, sale, and consumption of sea turtle products in response to the declining turtle populations. Finding effective ways is a must due to lack of knowledge among locals. We reached out beyond the coastal communities adjacent to the principal nesting habitat to villages at satellite areas. The Bird's Head Leatherback Conservation Program has been jointly run under a research center at University of Papua (UNIPA) since 2015 became the key driver of sea turtle monitoring, research and conservation at Bird's Head. Ongoing efforts include the seasonal deployment of beach personnels to monitor and protect sea turtles and also educational activities at satellite areas. Effective approaches through outreach with local dialects and beep message were used to bridge knowledge gaps among residents, ranging from children to adults. The techniques were used in 33 coastal fishing communities that have the longest tradition of trade and consumption of sea turtle.

Getting the Message on Sea Turtle Conservation Out in Coastal Communities at Bird's Head Peninsula, Papua - Indonesia



Ricardo F. Tapilatu^{1,2)}

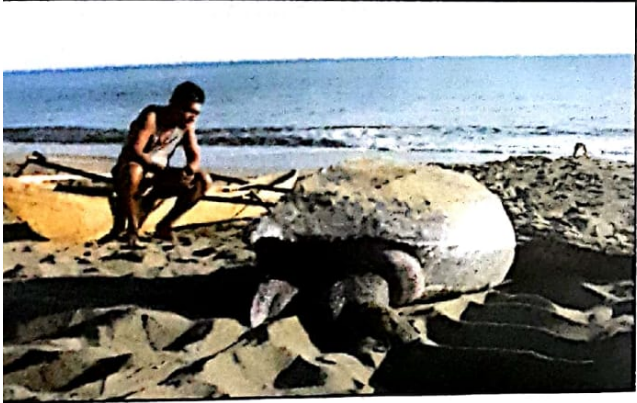
- 1) Marine Science Dept., The University of Papua (UNIPA) Manokwari - Papua Barat Province - INDONESIA
- 2) Research Center for Pacific Marine Resources - The University of Papua (UNIPA) Manokwari - Papua Barat Province - INDONESIA

SEA TURTLE SPECIES IN INDONESIA

Four species distribute at Bird's Head

Green Flatback
Hawksbill Loggerhead Olive ridley

Iconic Marine species: Leatherback sea turtle



Foraging regions: boreal vs austral summer nesters

(modified from Benson et al, 2011)

Boreal summer
Austral summer
PACIFIC OCEAN

Bird's Head, Papua Barat, Indonesia

Interactions with human: locals

- Poaching
- Harvesting (Kei islanders)

Interactions with human: Fishing Industries

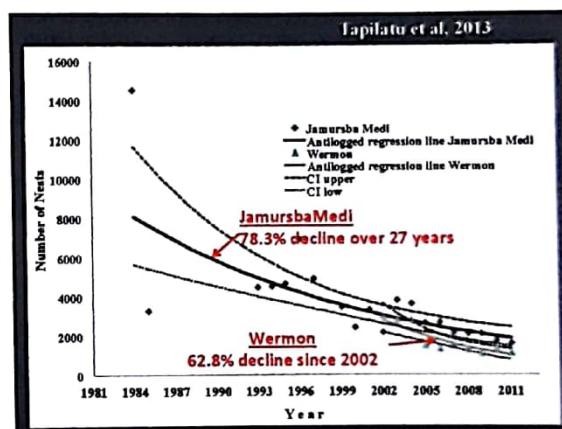
High mortality due to interaction with many fisheries

Introduced/Invasive Species

- Pig predation
- Dog predation

Unpredictable Environmental factors on nesting beaches:

- Tidal inundation
- Beach erosion
- Extreme sand temperature?



Pacific leatherback conservation efforts

US Recovery Plan 1998: Pacific leatherback

Priority conservation actions:

- Tri-National Agreement (Indonesia, PNG and Solomon Island) in 2007.
- IOSEA Marine Turtle Memorandum
- Coral Triangle Initiatives (CTI)
- Bilateral: ST Agreement between Indonesia-US signed by Mr. Jokowi and Mr. Obama in Oct 2015

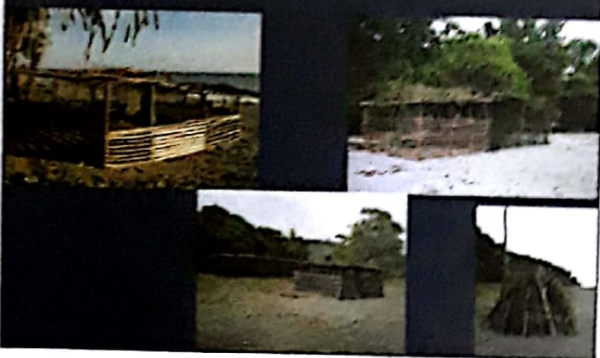
↓

Holistic approach (Dutton and Squires, 2011)
Beach and at sea management plans

Positive interactions to initiate recovery

1. Predator control
 - Feral pig control: traditional pig trapping methods, electric fences, and traps, combined with shooting
 - Dog control program: an effective dog management program
2. Nest Protection
 - Net, bamboo grid, and perimeter enclosures

Nest relocation, hatcheries and nest shading



Education: Turtle camp



Outreach at 33 coastal villages in 6 Kabupaten's jurisdiction: Tambora (Principal), Manokwari, Raja Ampat, Yapen, Wondama and Kaimana since 2015.



Satellite Tracking Beaches: Outreach and Hotline





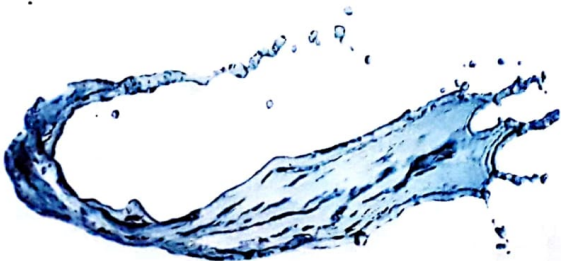
INTERNATIONAL
PACIFIC MARINE
EDUCATORS NETWORK

IPMEN CONFERENCE 2016

CERTIFICATE OF PARTICIPATION

Ricardo Topilatu

is thanked for their outstanding participation during the 2016 IPMEN Conference held in
Manado, North Sulawesi, Indonesia on August 10 -13



PRESENTED BY:

  INTERNATIONAL
PACIFIC MARINE
EDUCATORS NETWORK

ON THIS DAY:

August 13, 2016

Making a Splash: Moving Education into Action