

GREEN FINS APPROACH FOR MANAGEMENT FOR SUSTAINABILITY OF CORAL REEFS AND DIVING TOURISM IN THAILAND

Presented by Niphon Phongsuwan Department of Marine and Coastal Resources, Ministry of Natural Resources and Environment, Thailand

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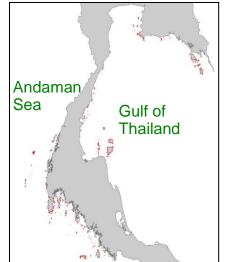




Coral reefs are an important resource in Southeast Asia, contributing to the economic incomes of the coastal population and the growing dive tourism industry in this region.

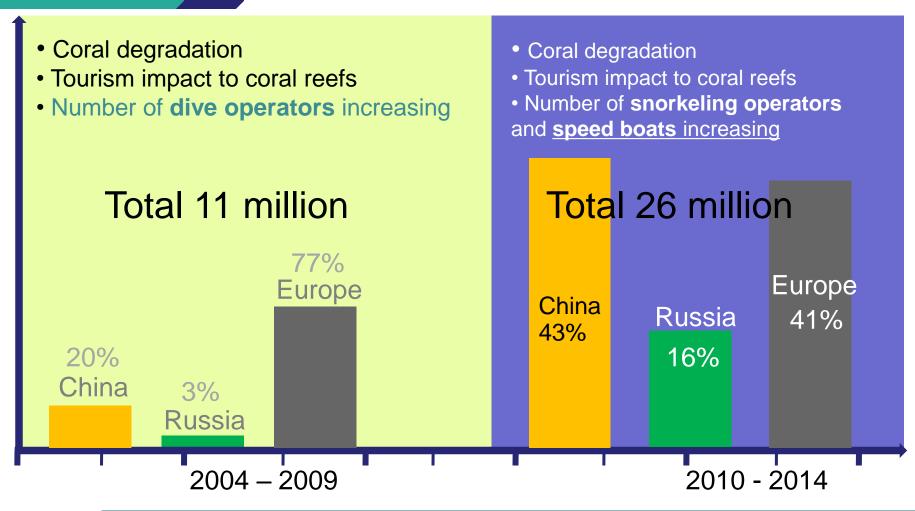


Coral reefs, with total area of about 225 km², are wide spreading on the coastlines of islands and mainland, along the Gulf of Thailand and the Andaman Sea, Thailand





Situations



Continuously Challenged by newly Emerging Issues



As tourism continues to expand, coral reefs come under increasing threats and pressure from tourists.

The main issue associated with tourism are:



Holding, Touching, stepping on corals



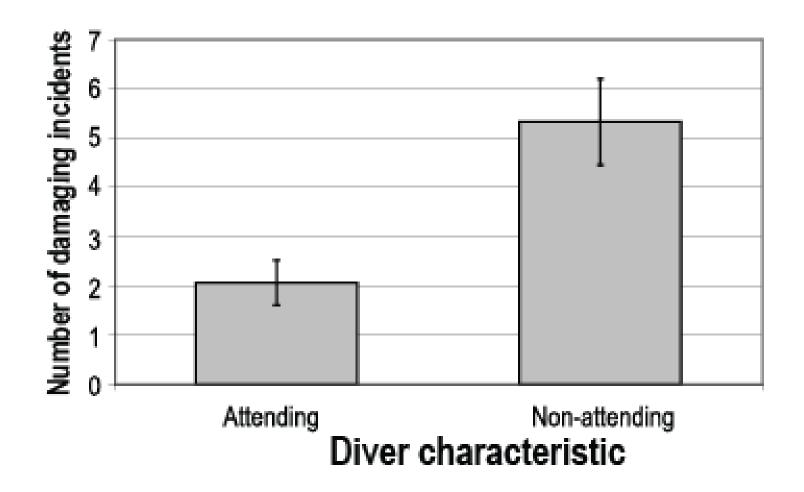
Fish feeding



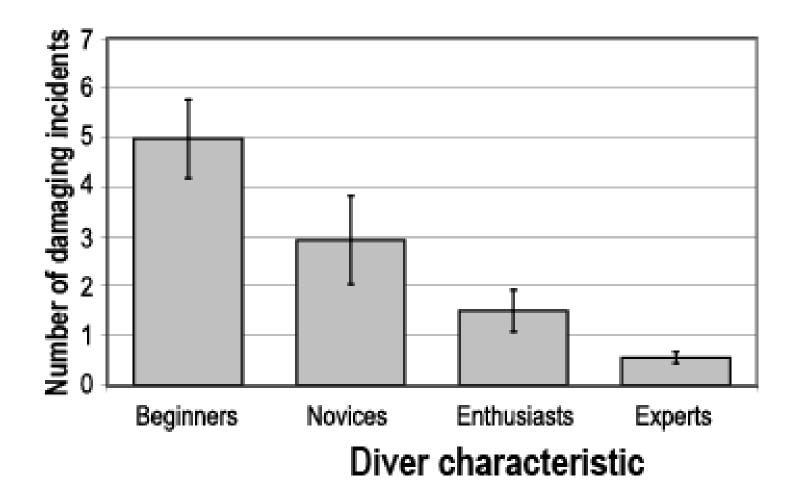
Anchoring in the reef







Difference of damaging incidents (per ten minutes) of divers who attended pre-dive briefing and non-attended (Worachanan, 2007)



Difference of damaging incidents (per ten minutes) of divers with various experience (logged dives) (Worachananan, 2007)

ntensity of impact depends on:

- Structure of the reef ... fragile or not?
- Environment ... visibility, current, waves
- Method of diving ... Scuba or snorkel
- Expert or beginner
- Activity in the water .. e.g. taking photos
- Awareness of divers, dive leader
- Briefing or not?
- Ratio of leader to customers

'Green Fins' project

Establish a network of environmentally-friendly dive operators for sustainable tourism in coral reef areas and to assist in coral reef monitoring, in Southeast Asia countries



Mission Statement

To protect and conserve coral reefs by establishing and implementing environmentally friendly guidelines to promote a sustainable diving tourism industry

UNEP launched "Green Fins" in 2004 as an approach to address threats posed by recreational scuba diving-related activities. The Green Fins approach works with dive centres to establish a network of educated dive operators and divers, to promote a set of standards for environmentally sustainable scuba diving tourism activities









Green Fins project provides certificates to dive operators that offer tours according to a set of environmentally-friendly guidelines (code of conduct).











Certificate of Participation

This certifies that

has participated in the GREEN FINS program. The person / Company is now entiltled to the privileges of a GREEN FINS accredited member. This GREEN FINS certificate, issued on ________, is valid for a period of one year.

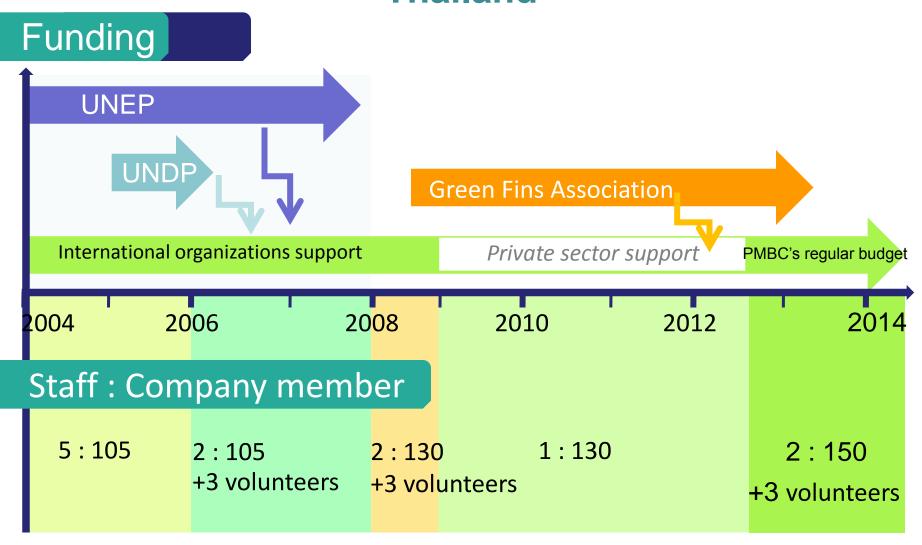
Dr. Srísuda Jarayabhand

Coordinator East Asian Seas / Regional Coordinating Unit Mr. Niphon Phongsuwan Network Leader Green Fins - Thailand

UNEP supports the Green Fins Programme



From Past to Present of Green Fins Programme in Thailand



From Past to Present of Green Fins Programme in Thailand

Achievement

- Refreshed website / Reef Watch database (2013)
- 430 data of Reef Watch monitoring (until 25Mar14)
- Adopt the Reef by dive operators (2013-present)
- Revamp Green Fins Code of Conduct (2013)





GREEN FINS: Member Agreement and Best Practices



I. GREEN FINS - Agreement Between Green Fins Members

- Adhere to The Green Fins Environmentally Friendly Diving and Snorkeling Practices

 the 7 Do's and 7 Don'ts by being role models for divers to follow.
- Identify someone at your shop as your "Green Fins Ambassador" to promote Green Fins Best Practices for dive staff and conduct reef monitoring.
- 3. Educate and train group organisers and dive staff on The Green Fins Environmentally Friendly Diving and Snorkeling Practices annually and as new trainers are hired; ensure dive staffs are briefing customers on these practices prior to all diving and snorkeling trips.
- 4. Do not allow spear fishing or support the shark fin trade.
- Promote courses such as those teaching good buoyancy, species identification and careful finning and photography skills. Do not promote try diving or activities that could potentially damage the reefs.
- 6. Ensure inexperienced individuals wear life jackets when snorkeling
- 7. Conduct annual reef monitoring at your diving locations and submit data.

II. GREEN FINS: Best Practices for Dive Staff

- Aid in public awareness of our fragile coral reefs by prominently displaying Green Fins membership and The Green Fins Environmentally Friendly Diving and Snorkeling Practices both inside and outside the shop, dive boats and other transport.
- Ensure employees provide Green Fins briefings on The Green Fins Environmentally Friendly Diving and Snorkeling Practices before diving and snorkeling trips – most importantly enforce a strict "no touch" policy.
- Always use moorings, drift or hand-placed anchors for your boats and where possible install and maintain mooring buoys.
- 4. Adopt "minimum discharge" and "responsible garbage" policies by ensuring safe collection and disposal of all hazardous waste including used oil, chemical cleaning products, fuel, food scraps, batteries, waste water and sewage. Recycle and use eco-friendly cleaning products whenever possible.
- Make guests aware of environmental rules and regulations, marine protected areas and offer ID books and posters for fish, corals and other marine life.
- Participate in regular beach and underwater cleanups and remove garbage where possible.
- 7. Prohibit the collection, sale and display of corals and other marine life.

www.greenfins-thailand.org



GREEN FINS Environmentally Friendly Diving and Snorkeling Practices:

Customer Do's and Don'ts

As a Green Fins member we are committed to protecting our marine life, please help us by following these simple guidelines

7 Things Divers Must Do:

- 1. Practice buoyancy control and photography skills away from the reef
- Ensure gauges, regulators and other equipment are secured and do not drag over reefs
- 3. Avoid stirring up sediment by keeping your distance
- 4. Hold on to rock or dead coral if you need to hold onto something
- Respect marine life and shoot photographs without altering or disturbing the environment
- Practice advanced finning techniques (e.g. finning backwards, pivot finning and frog kicks) to avoid causing damage to reefs
- 7. Support conservation and champion the best practices to ensure the sustainability of our beautiful and fragile coral reef environments

Must NOT Do:

- 1. Touch or step on coral
- 2. Feed the fish
- 3. Litter
- 4. Wear gloves
- 5. Chase, touch, spear or capture any marine life
- 6. Place cameras on reefs or move marine life to capture a better shot
- Collect marine life souvenirs from the beach or ocean you may be breaking the law

www.greenfins.net



Poster to publicize Green Fins code of conduct

GREEN FINS – Agreement of Green Fins Members

- Adhere to The Environmentally Friendly Dive
 Practices the Do's and Don'ts by being role
 models for divers to follow.
- Identify someone at dive shop as "Green Fins Ambassador" to promote Green Fins Best Practices for Dive Staff and conduct reef monitoring.



- Educate and train group organisers and Dive Staff on *The Green Fins Friendly Guidelines* annually and as <u>new trainers</u> are hired; ensure Dive Staff are <u>briefing customers</u> on these practices prior to all diving and snorkeling trips.
- Do not allow <u>spear fishing</u> or support the <u>shark fin</u> <u>trade</u>

- Promote courses such as those teaching good buoyancy, species identification and careful finning and photography skills. Do not promote <u>try diving</u> or activities that could potentially damage the reefs.
- Ensure inexperienced individuals wear life jackets when snorkeling.
- Conduct annual <u>Reef Watches</u> on diving locations and submit data to Green Fins.

GREEN FINS: Best Practices for Dive Staff

- Aid in public awareness of our fragile coral reefs by prominently <u>displaying Green Fins</u> <u>membership and The Green Fins Friendly</u> <u>Guidelines</u> (or similar), both inside and outside the shop, dive boats and other transport
- Ensure employees provide Green Fins
 <u>briefings</u> on *The <u>Green Fins Friendly</u>
 <u>Guidelines</u> before diving and snorkeling
 trips most importantly enforce a strict "no
 <u>touch</u>" policy*

- Always <u>use moorings</u>, drift or hand-placed anchors for your boats and where possible <u>install and maintain</u> mooring buoys.
- Adopt "minimum discharge" and "responsible garbage" policies by ensuring safe collection and disposal of all hazardous waste including used oil, chemical cleaning products, fuel, food scraps, batteries, waste water and sewage. Recycle and use eco-friendly cleaning products whenever possible.

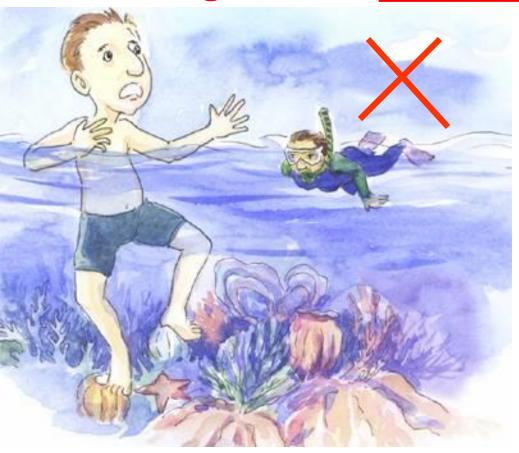
- Make guests aware of <u>environmental rules</u> <u>and regulations</u>, marine protected areas and offer <u>ID books and posters</u> for fish, corals and other marine life.
- Participate in regular <u>beach and underwater</u> <u>cleanups</u> and remove garbage where possible.
- Prohibit the collection, sale and display of corals and other marine life.

Friendly
Diving and
Snorkeling
Guidelines

Do & Don't



7 Things Divers Must NOT Do



1) Touch or step on coral



Must NOT Do

2) Feed the fish

3) Chase, touch, spear or capture any marine life



4) Litter the sea





Must NOT Do

6) When photographing:
Kneel on floor,
place fins on coral,
place cameras on reefs or
move marine life to capture a better shot



- 7) Collect marine life souvenirs from the beach or ocean
 - you may be breaking the law!

7 Things Divers Must Do



1) Practice buoyancy control and photography skills away from the reef



Must Do

2) Ensure gauges, regulators and other equipment are secured and do not drag over reefs



Must Do

3) Avoid stirring up sediment by keeping your distance

4) Hold on to rock or dead coral if you need to hold onto something

- 5) Be aware of your surroundings when taking photographs, use your buddy or dive guide to help you stay clear
- 6) Practice advanced finning techniques (e.g. finning backwards, pivot finning and frog kicks) to avoid causing damage to reefs



7) Support conservation and champion the best practices to ensure the sustainability of our beautiful and fragile coral reef environments

Green Fins Certificate

- Certificate of participation
- Certificate of excellence
 - based on additional activities/criteria in the Code of Conduct that the member has fulfilled







Membership evaluation (annually)

dive operator self assessment

 guest assessment of the dive operator (end of the trip)

 network leaders assessment of each dive operator

Green Fins members

- Abut 150 diving companies
- Over 200 individual members (general divers)













Group training: introduction of Green Fins, general reef ecology & Reef Watch survey "Green Fins" members assist in coral reef monitoring (using Reef Watch method) by providing data illustrating changes in coral reef health

Roup Soulos.

ज्ञारा रिना रिना प्रमाण के 2



Koh Racha Yai

Raya Divers



Training the dive operators to survey the reefs and help repair the damaged corals



Discuss
results of
the reef
survey to
standardize
the survey

- Data will be input in the national database
- Data submit on line (www.greenfins-thailand.org or post

Green Fins Divers can submit Reef Watch data in www.greenfins-thailand.org

News and Events Tools



" Save Our Reef "

"To protect and conserve coral reefs by establishing and implementing environmentally friendly guidelines to promote a sustainable diving tourism industry."

Resources

English | Thai

Register | Sign in

Search

FOLLOW US

Tools

Reef Watch Monitoring

Submit Reef Watch data

Reef Watch Database

Assessment of Dive Operators

Reef Watch Monitoring

Our Member

About Us

Reef Watch is a simple one-dive-one-survey method to record the health of a coral reef. You can easily learn the method and take part in the programme. On your dive or snorkel trip you will be able to collect valuable information to help us care for the reefs you visit today.

The data you collect using the Reef Watch underwater slate will help us to see any trends developing on the reef. Your participation provide us with valuable information to monitor the reef's health. Read more about Reef Watch Monitoring Guideliane here>>







NEWS



The seminar on coral reefs conservation and restoration

More News :

QUICK LINKS

Why GreenFins

GreenFins Member

GreenFins Events

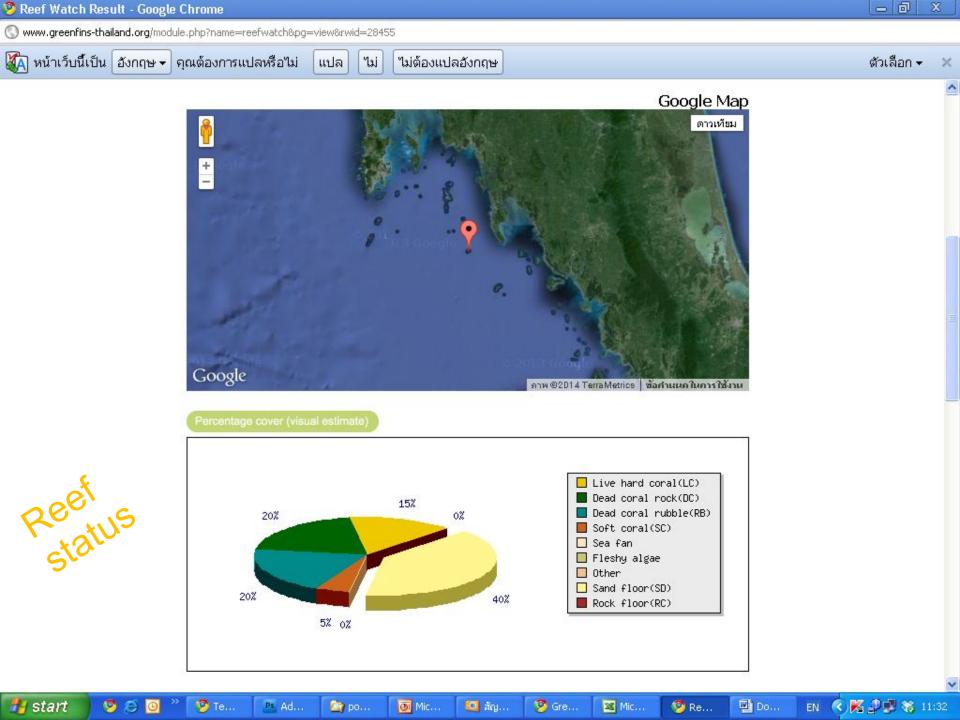
OUR PARTNERSHIPS

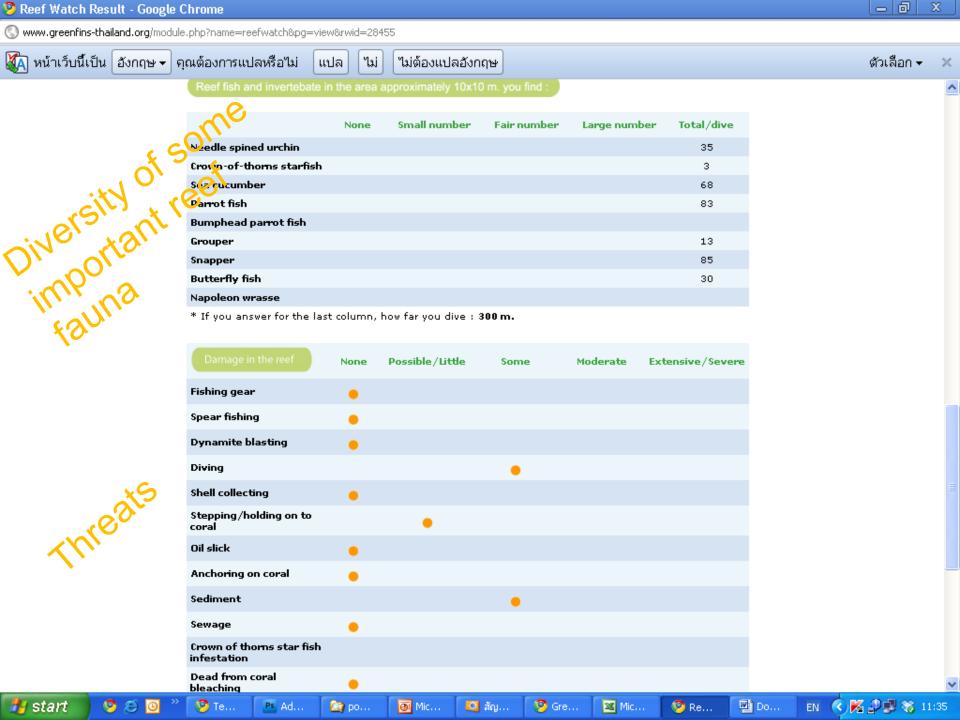












Surveyors may send photos



Crown-of-thorns

การัง

Red tide



Re-oriented coral growth of coral overturned by tsunami

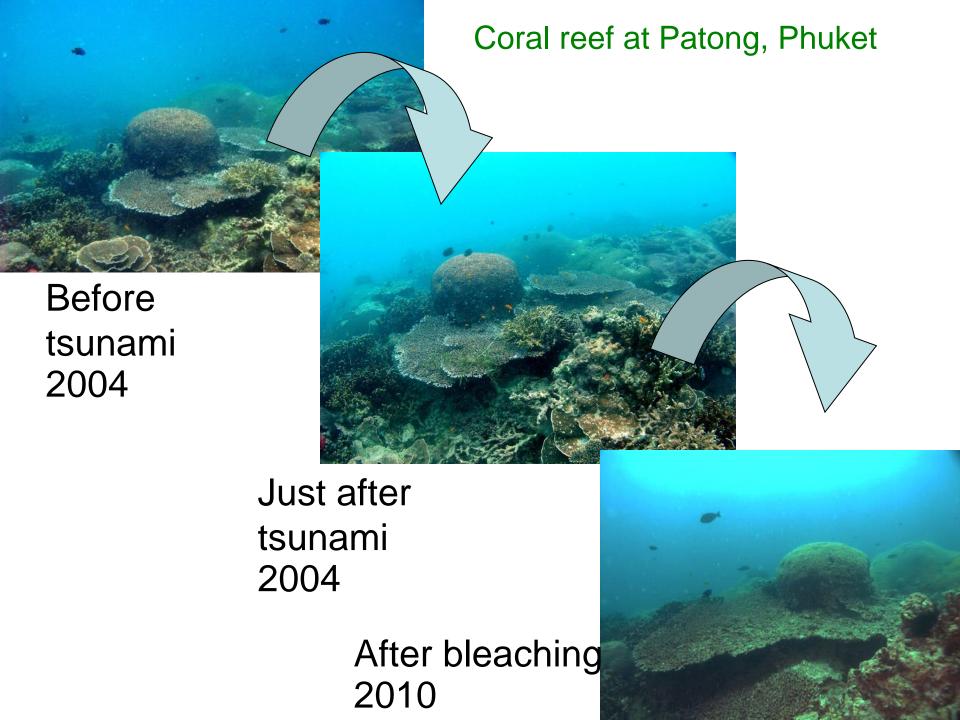


Coral bleaching



White band disease on coral







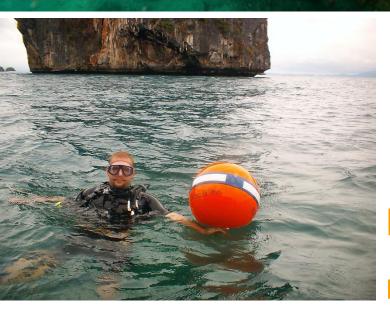


Members join together

regularly or on special event

Clean-up the reef





Release giant clam

Help install mooring buoy



save coral reefs today, dive the greenfins way



No stepping on coral



No stirring the sediment



No chasing or touching marine life



No feeding fish



No littering



No collecting dead or live marine life



No gloves



No shark finning



No spear fishing



No anchoring on coral reef



Use mooring buoy



Wear life jacket



Don't buy souvenir of coral and marine life







enir of Volunteer to help Support conservation

www.greenfins-thailand.org



















Training on producing cleaning agent — nontoxic to environment



Challenges

Changing people's behaviour is challenge

- Snorkelers still feed the fish, touch coral and litter the sea
- No briefing standard for snorkeling tour leader
- Lack of safety management on snorkeling tour
- Lack of awareness on chemical use (cleansing products) on board
- Lack of mgt of waste discharged from toilet

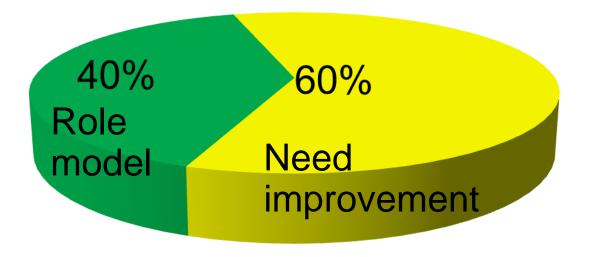






20 dive operator assessment in 2013

Overall rating



Green Fins Programme in Thailand

Direction

- Strengthening Green Fins networks
- Improving a quality of Green Fins members in "green" enterprises
- Educating the public and providing knowledge
- Advocating specific policy/strategies to cope with environmental change



Green Fins - Thailand Networks

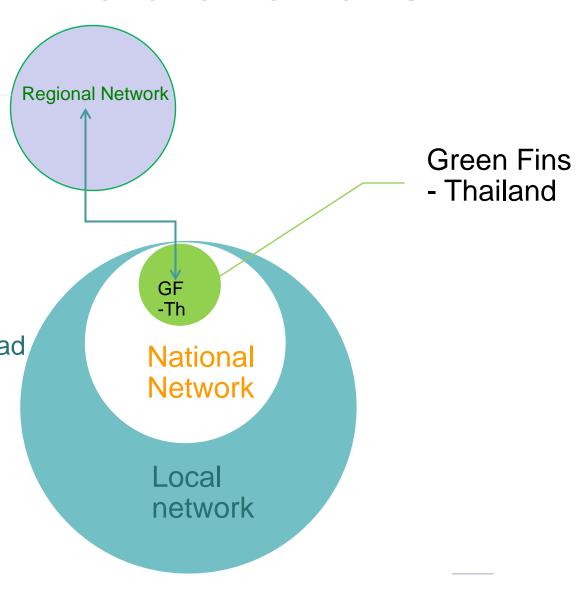
Regional network
 UNEP, MFF, Reef World

 Foundation

National Network
 PMBC, DNP, TAT

Local Network

Save Koh Tao, Project Abroad Eco Phuket, Healthy Reef Club, Reef Guardian, Green Fins Ambassador, volunteers, membership



Green Fins at regional level



























Green Fins Programme in Thailand

Communication Channel

- www.greenfins-thailand.org
- E-mail: reefwatchthailand@gmail.com nph1959@gmail.com
- Google + : Greenfins "Thailand" Reefwatch
- You Tube: Greenfins Reefwatch
- Face book fan page : Greenfins-Thailand.org





Thank you



Save the reefs, Dive the Green Fins ways