

# Coral Reefs

**LIFE above Water depends upon the health of Life below Water,**

including the health of coral reefs which maintain some of the richest biodiversity on our planet, and thus sustain the irreplaceable culture and livelihoods of coral reefs peoples.

**CORAL REEFS ARE HOTSPOTS OF BIODIVERSITY**

hosting in **< 0.2%** of the total surface of the ocean no less than **30%** of the species of marine life known to date

**HEALTHY CORAL REEFS**

can generate **5 to 15 tons of fish /km<sup>2</sup>/yr**

**CORAL REEF-RELATED TOURISM**

generates annual revenues of **\$36 billion** globally.

**HEALTHY CORAL REEFS ECOSYSTEMS REDUCE 97% of WAVE ENERGY**

And act as barriers to storms and are the first line defence for millions of people globally, preventing catastrophic erosion, flooding and destruction.

**THE SEVERE IMPACTS OF CLIMATE CHANGE AND OCEAN ACIDIFICATION**

on marine, coastal and island life are expected to **continue to grow**

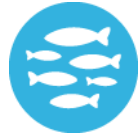
**OVERFISHING, EUTROPHICATION, SEDIMENTATION AND POLLUTION,**

which result from **bad management practices**, weaken the resistance and resilience of coral reefs and increase their vulnerability.

# Indonesia



Managing 2/3 of Indonesian territory



Supporting the fisheries production (6.5 million tones in 2015)

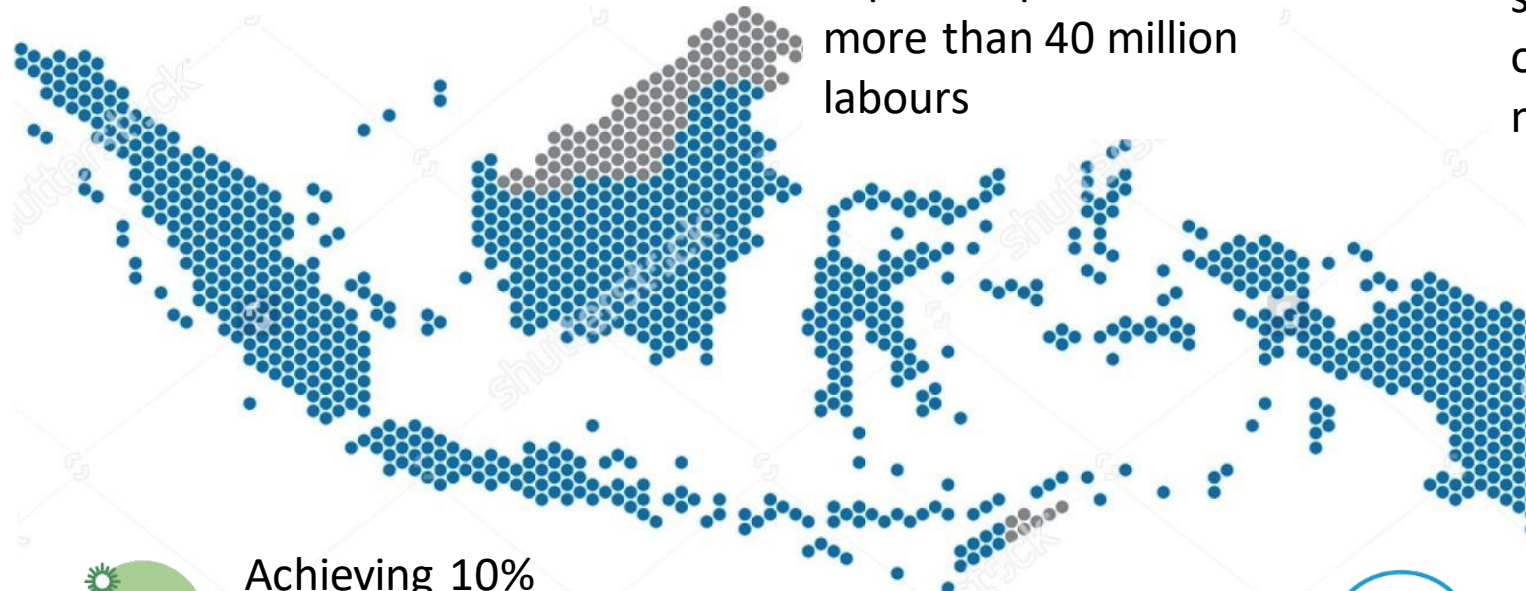


Sustaining economic potential of 2 trillion USD/year and expected provide more than 40 million labours

Supporting coral triangle areas (6 countries) for food security and livelihood of more than 360 million population



Protecting livelihood of ± 8 million coastal population



Protecting place for cultural and religious activities



Conserving 9% of total world coral and 23% of world mangrove



Achieving 10% of marine and coastal protection



Promoting investment insustainable ocean use activities/Blue Economy



Sustaining 50% of Indonesian cities that are coastal city and protecting from climate change impacts

## 'Innovative Solutions for Environmental Challenges and Sustainable Consumption and Production,'

UNEA-4,  
11-15 March 2019  
Nairobi, Kenya

1. **environmental challenges** related to poverty and natural resources management, including sustainable food systems, food security and halting biodiversity loss;
2. **life-cycle approaches** to resource efficiency, energy, chemicals and waste management; and
3. **innovative sustainable business development** at a time of rapid technological change.

# UNEA and Sustainable Coral Reef Management

## Aichi Target (Target 10)

Reduction of anthropogenic factors/pressures to coral reef ecosystem degradation

## UN Resolution 2/12

sustainable coral reefs management (EA/2/12) :  
Mainstreaming, Global Status

## SDG 14

Life below water

**President Decree No 59 / 2017 : Achieving  
SDGs' targets.**

## OOC 2018

5,3 juta km2 perlindungan terumbu karang  
444,7 juta USD

## CTI-CFF

### Target 14.2



Manage & protect  
marine & coastal  
ecosystems



## UN Resolution UNEA 4

sustainable coral reefs management :  
Harmonization, Integration, Enforcement  
(Finance, Technology and Capacity  
Building)

***Live Reef Food Fish Trade  
(LRFFT).***

# Langkah aksi Indonesia

Menginisiasi **Jejaring Nasional Pemantau Kejadian Pemutihan Karang** yang terdiri dari unsur KKP, LIPI, Perguruan Tinggi, Dive Center, LSM dan Kelompok Masyarakat. Sebagai panduan, sejak 2016

Membuat **Buku Rencana Aksi dan Respon Pemutihan Karang** yang dilengkapi dengan pedoman pemantauan kejadian pemutihan karang akibat kenaikan suhu permukaan laut. Hasil dari pemantauan akan menjadi masukan bagi para pengelola kawasan konservasi dan terumbu karang di wilayah yang terdampak pemutihan karang.

## **Global Coral Reef Monitoring Network (GCRMN)**

- jejaring pemantauan karang global
- menyusun laporan status terumbu karang dunia pada tahun 2020.

Skala regional, melalui CTI-CFF, terlibat aktif dalam **Coral Triangle Atlas (CT Atlas)**

## Kategori 1.067 *sites* Terumbu Karang, P2O-LIPI, 2018

- Jelek 386 *sites* (36.18%),
- Cukup 366 *sites* (34.3%),
- Baik 245 *sites* (22.96%)
- Sangat baik 70 *sites* (6.56%).