State of Oceans and Coasts: THAILAND

Sumana Kajonwattanakul

Department of Marine and Coastal Resources, MONRE



THAI COASTAL ZONE

LICESE

Coastal shoreline in 23 provinces = 3,148 km.

Maritime zone covers = 323,488.40 km²

Valuation of accetal and

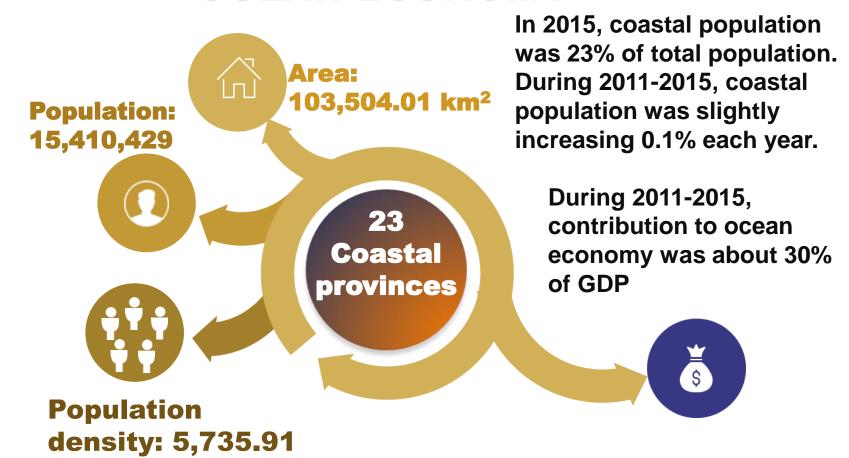
marine ecosystems	billion
Marine protected areas (% of total maritime zone)	5.6%
ICM under the SDS-SEA program (% of coastline)	5.46% (will extend to 11.3% in the future)







OCEAN ECONOMY



GDP = 399.21 USD billion

GPP = 118.19 USD Billion (29.61%)

Employment in coastal provinces = 9,969,331 (26.22%)

STATE OF OCEAN HEALTH & KEY HABITAT

Thailand ranked 75 in term of Ocean Health Index among 221 countries with the overall score of 71

Mangroves 81 species Area = 4,591.18 km², value 6,175.5 USD million

Seagrass
13 species
Area = 255.70 km²,
value 2,144.1 USD million

Coral reefs
208 species
Area = 238.30 km²,
value 1,061.7 USD million

STATUS

Mangrove

1961-1966: decreasing

2000-2014: increasing,

mainly by planting mangrove forest.

Seagrass

2011-2015: decrease in proportion of very healthy and healthy (4%)

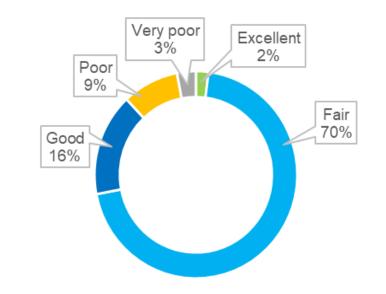
Coral reefs
2015: poor, due to
anthropogenic
disturbances (2%)

Ocean health

Marine water quality

Parameters	Rating
ьU	
рН	Good - Excellent
DO	Good - Excellent
Nitrates	Fair - Good
Ammonia	Excellent
Phosphates	Good*
ТСВ	Fair - Good
Heavy metals**	Excellent

Marine water quality using MWQI



Note:

Rating is percentage of stations complying with the water quality criteria and standards, and fully support the intended use or classification of the water body:

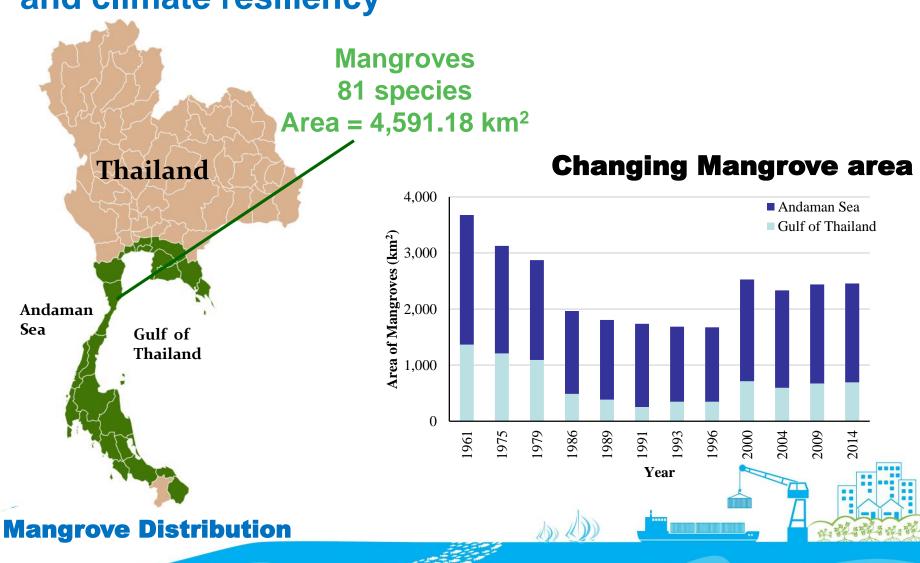
Excellent: 98-100%; Good: 75-97%; Fair: 50-74%; Poor: less than 50%.

^{*}Except in the inner Gulf of Thailand, where phosphates is poor

^{**} Include arsenic, cadmium, copper, lead and zinc

Blue economy initiatives:

Mangrove rehabilitation for fisheries, biodiversity and climate resiliency



II. Blue economy initiative NSOC Thailand

Blue economy initiatives: Mangrove rehabilitation for fisheries, biodiversity and climate resiliency

Objective:

- To maintain mangrove conservation areas.
- Rehabilitation and restoration mangrove for marine life.
- To rehabilitate mangrove areas which previously abandon shrimp farms.

 Reforestation in new mud flat areas to protect coastal erosion.



Blue economy initiatives: Mangrove rehabilitation for fisheries, biodiversity and climate resiliency

Innovations and best practices:

Innovations & best practices

Benefits & outcomes

SDGs achieved



sustainable shrimp farming

Food safety
Reduce mangrove
destruction







Empowering local, engaging instrument, collaborative community management













Blue economy initiatives: Mangrove rehabilitation for fisheries, biodiversity and climate resiliency

Innovations and best practices:

นผบที่แสดงแปลงปลูกทดลองพื้นฟูป่าชายเลนในพื้นที่วิกฤต
โครงการศึกษาวิจัยเพื่อพัฒนาองค์ความรู้ในการจัดการทรัพยากรทางทะเลและชายฝั่ง ประจำปังบประมาณ พ.ศ.2559

ws 84 ท้องที่ บ้านคลองคัด หมู่ที่ 3 ด้านสนางตะบูน อำเภอบ้านเหลม จังหวัดเพชรบุรี Zone 47

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GPAGGORD

mud flat plantation

Innovations & best practices

Benefits & outcomes

SDGs achieved

Bamboo sea wall

New mud flat
Mangrove
reforestation
Coastal erosion
protection
Marine life
habitat





CHALLENGES AND RECOMMENDATIONS

CHALLENGES

ENFORCEMENT & EFFECTIVENESS

- MPAs
- Laws
- Action plans/strategies

MONITORING

- Replanting resources
- Community

management

on local resources

MANAGEMET, & INTEGRATION

- Ecosystem based management
- Related stakeholders (government, local, business sectors, etc.)

SUSTAINABILITY & GREEN DEVELOPMENT

- **▶**Tourism
- -Transportations/ports
- Fisheries
- Alternative energy





CHALLENGES AND RECOMMENDATIONS

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National policy and strategy



Promote the development of blue economy to related plans



Provide framework for amending existing ocean-related laws compliance with UNCLOS

Marine and coastal resources development activities



Application of Polluter Pays Principle

Application blue economy concept to ocean based economy

Promote economic valuation

CHALLENGES AND RECOMMENDATIONS

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Management of marine and coastal resources

Establish measures & approach to control uses of resources





Promote participation of all stakeholders

Research and development

Establish decision making systems

Scientific research to assess natural capital & ecosystem services

Design & develop specific data system

Research & development for ocean related areas





Thank you.