Case Study: Latest developments in basic ocean policy and law at national level

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Ministry of Natural Resources and Environment
Outline

• General information of marine and coastal resources status and threats

• New legislation for marine and coastal management

• Cast study

• 5-yr plan of marine and coastal resources protected area (2016-2020)
Sea Area and Marine and Coastal Resources

<table>
<thead>
<tr>
<th>Resource</th>
<th>Area (km²&amp;ind.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Coral reefs</td>
<td>238.3</td>
</tr>
<tr>
<td>Sea-grass beds</td>
<td>255.7</td>
</tr>
<tr>
<td>Mangrove forest</td>
<td>2,248</td>
</tr>
<tr>
<td>Sea-turtles</td>
<td>240</td>
</tr>
<tr>
<td>Dugongs</td>
<td>235</td>
</tr>
<tr>
<td>Dolphins &amp; Whales</td>
<td>350</td>
</tr>
</tbody>
</table>

Sea area ~315,000 km.²
Shoreline ~3,143 km.
Threats to Marine and Coastal Resources

1. Increasing populations and economic activities in coastal areas
2. Land-use transformation, Land reclamation in coastal and upland areas
3. Deforestation, erosion and sedimentation
4. Degradation, destruction and over-exploitation of natural resources, including fisheries
5. Incidental of injured and dead of marine endangered species
6. Marine pollution from land-based and sea-based sources
7. Conflicting uses and demands among users such as tourism, fisheries, port development and marine transportation
8. Inequitable access to resources, resulting in food security and sustainable livelihood concerns, especially among fishing communities
9. Climate variation and change including extreme weather events
DMCR’s Act : Brief Detail

“Promotion of Marine and Coastal Resources Management Act, B.E. 2558 ” (2015)

• Components: 5 Chapters of 30 sections
  – General introduction: (section 1-4)
  – Chapter I: National Committee on Marine and Coastal Resources Management Policy and Planning (section 5-15)
  – Chapter II: Coastal Community (section 16)
  – Chapter III: Marine and Coastal Resources Protection (section 17-23)
  – Chapter IV: Competent Official (section 24-26)
  – Chapter V: Penalties (section 27-30)

• Goal: Marine and Coastal Resources will be protected, conserved, restored and well managed with participation approach.
Channel and Process of Participation

Ministerial Regulation

Council of Ministers Approved

National committee

Adoption by Provincial committee

Measures/Regulations

Selection of Areas

Coastal Community

Governmental Agencies

DMCR

Marine and Coastal Protected Area
Kra Island’s Protected Area
in Nakorn-Si-Thammarat Province (will propose in 2016)
Dugong’s and Sea-grass Beds Protected Area in Trang & Krabi Province (will propose in 2016)
## Marine Protected Areas Plan (2016-2020)

<table>
<thead>
<tr>
<th>Location</th>
<th>Expected Year of Prescription</th>
<th>Important Resource</th>
<th>Legend</th>
</tr>
</thead>
<tbody>
<tr>
<td>Kra Is. (Krabi Province)</td>
<td>2016</td>
<td>Sea-turtle nesting ground</td>
<td>blue</td>
</tr>
<tr>
<td>Khai Is. (Phang-Nga Province)</td>
<td>2016</td>
<td>Coral Reefs</td>
<td>pink</td>
</tr>
<tr>
<td>Coasts (Trang &amp; Krabi Province)</td>
<td>2016</td>
<td>Dugong’s Habitat and sea-grass bed</td>
<td>green</td>
</tr>
<tr>
<td>Pha-Ngan Is. &amp; Samui Is. (Surat Thani Province)</td>
<td>2016</td>
<td>Coral Reefs</td>
<td>blue</td>
</tr>
<tr>
<td>Shelf break front (Phuket &amp; Phang-Nga Province)</td>
<td>2018</td>
<td>Nursery and marine resource</td>
<td>red</td>
</tr>
<tr>
<td>Man Is. (Rayong Province)</td>
<td>2018</td>
<td>Sea-turtle nursery and coral reefs</td>
<td>red</td>
</tr>
<tr>
<td>Mai-Root (Trat Province)</td>
<td>2018</td>
<td>Irrawaddy Dolphin Habitat</td>
<td>yellow</td>
</tr>
<tr>
<td>Inner Gulf of Thailand</td>
<td>2018</td>
<td>Bryde whale Habitat</td>
<td>yellow</td>
</tr>
<tr>
<td>Song-Khla Lake</td>
<td>2017</td>
<td>Irrawaddy Dolphin</td>
<td>blue</td>
</tr>
<tr>
<td>Lo-Sin Is. (Pattani Province)</td>
<td>2019</td>
<td>Coral Reefs</td>
<td>green</td>
</tr>
<tr>
<td>Kradat Is. (Trat Province)</td>
<td>2019</td>
<td>Sea-grass Beds</td>
<td>pink</td>
</tr>
<tr>
<td>Rumra Is. &amp; Talu Is. (Prachuab Kiri Kan Province)</td>
<td>2020</td>
<td>Natural Coral Reefs</td>
<td>blue</td>
</tr>
</tbody>
</table>
MPA Management
Support Prosperous Natural Resources
MPA Management
Support Coastal Community Benefits

FISH FOREVER: THE ELEMENTS OF SUCCESS

- Community Support
- Fishery Management
- Links to Markets
- Fisheries Policy

- Exclusive Access Privileges
- Fish Recovery Zones
- Monitoring & Evaluation
- Local Enforcement System

(Picture from UNESCO)
Thank You