Thailand’s Experience of Marine litter management

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Important of Marine and Coastal Resources

- Tourism revenues in coastal area ~ 3% of GDP
- 70,000 households depend on marine capture fisheries
- 13 million live in a coastal area (not include Bangkok)
Problem of Marine litter

Aesthetic impact
Problem of Marine litter

Aesthetic impact
Problem of Marine litter

Impact to marine resource
Actions – Clean up

- mangrove
- beach
- underwater
Actions – Awareness

poster

Nature trail

competition
Actions – Others

- Beach index
- Increase efficiency of litter management, recycle (21 -> 30%)
<table>
<thead>
<tr>
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<tbody>
<tr>
<td>fish net</td>
<td>486</td>
<td>260</td>
<td>297</td>
<td>933</td>
<td>475</td>
<td>661</td>
<td>803</td>
<td>1217</td>
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<tr>
<td>wood</td>
<td>145</td>
<td>72</td>
<td>70</td>
<td>65</td>
<td>504</td>
<td>-</td>
<td>150</td>
<td>31</td>
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<tr>
<td>metal</td>
<td>100</td>
<td>81</td>
<td>1739</td>
<td>336</td>
<td>163</td>
<td>207</td>
<td>186</td>
<td>140</td>
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<tr>
<td>plastic &amp; foam</td>
<td>50</td>
<td>5</td>
<td>27</td>
<td>13</td>
<td>20</td>
<td>48</td>
<td>43</td>
<td>9</td>
</tr>
<tr>
<td>glass &amp; tile</td>
<td>16</td>
<td>4</td>
<td>5</td>
<td>8</td>
<td>11</td>
<td>-</td>
<td>11</td>
<td>1</td>
</tr>
<tr>
<td>cloth</td>
<td>10</td>
<td>1</td>
<td>1</td>
<td>48</td>
<td>4</td>
<td>-</td>
<td>13</td>
<td>33</td>
</tr>
<tr>
<td>others</td>
<td>93</td>
<td>689</td>
<td>4</td>
<td>117</td>
<td>105</td>
<td>140</td>
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<td>1520</td>
<td>1282</td>
<td>1056</td>
<td>1409</td>
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</tbody>
</table>
Type of marine litter (from underwater clean up)

- fish net: 47%
- metal: 27%
- wood: 9%
- others: 13%
- cloth: 1%
- plastic & foam: 2%
- glass & tile: 1%
Problem tree

Management, legislation, institutional

Ownership

Improve law enforcement

Build awareness

Recycle, reduce

New technology

Value added
End....