



Seagrass Ecosystem for Sustainable Development



Dugongs

Trang is the largest habitat for dugongs in Thailand

From 1993, there were 110-125. Increasingly, there are 188 dugongs now.



Provincial Office and related organizations support the group of community enterprise for Tourism and Vocational Development to apply Drone innovation to conserve dugong herd for survey and keep safety for dugongs



- Prevent illegal Fishery
- Prevent Dugong Disturb
- Study behavior and abnormality of dugongs
- Watch dugong in distance via real-time screen for tourists who can't get to the dugong watching tower.



Dugongs Behavior from Drone





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Dugongs in seagrass meadows



Seagrass

Trang has the largest area of seagrass that is food source for dugongs and marine resources full of seagrass of Thailand; area more than 55 square kilometer, increasingly 3% from 2021 area 53 square kilometer.



Trang Municipality cooperate to Rajamangala University of Technology
Srivijaya Trang Campus and networks of seagrass conservation community

Innovation for planting seagrass

*Take part of seagrass on the seashore in to revive and planting in seagrass meadows

*Spend 43 days, it can be maturely grown instead of seeding. It can be breeding naturally.

*Area of more than 55 square kilometer of seagrass meadows can reduce global warming, absorb 45.5 million tons of Carbon dioxide via photosynthesis.

Natural Seagrass Source



Collect the rhizome form marine debris



Revive the rhizome in aerated seawater



Students' Activity

1. Study on type and ecology of seagrass, animals which lives in seagrass meadows





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Students' Activity

2. Planting seagrass to increase seagrass area





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Economics Development on good environment; Emphasizing on marine resources

* Seagrass ecosystem leads to seafood and ecotourism for watching dugongs.





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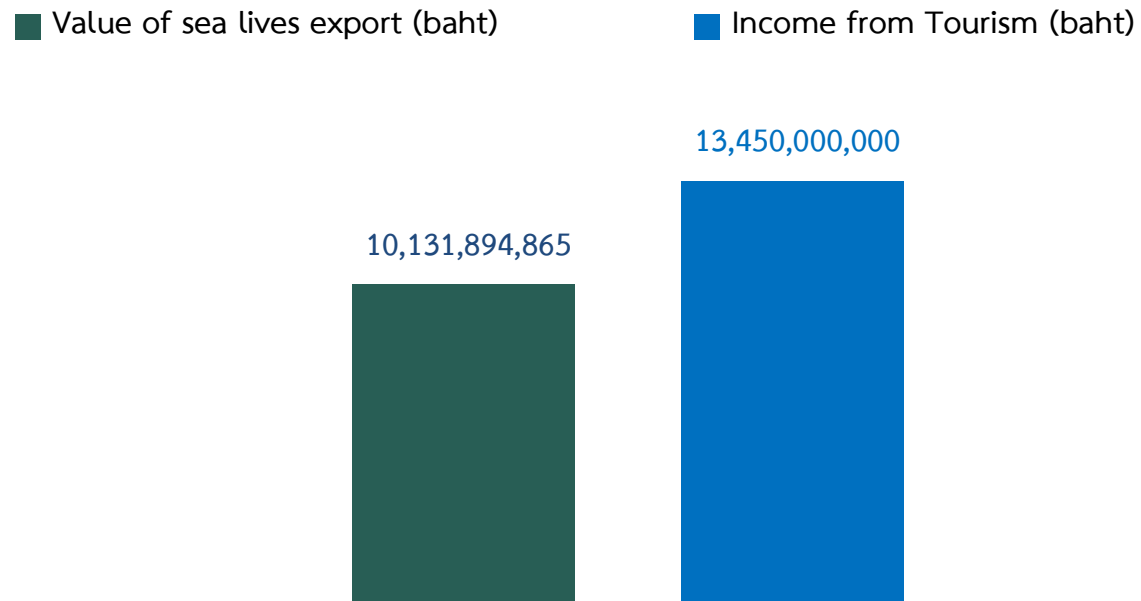
Dugong Watching Site







Income from sea aquatic animal export and from tourism of Trang Year 2021



Reference : Office of Provincial Fishery Trang

Division of Economic, Tourism, and Sports Ministry of Tourism and Sports



Thank you