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Coral Virtual Site at Racha Island, Phuket, Thailand

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What do we do?

- *In this study, we collect information using all available technology e.g. temp/light intensity sensors, ecocam coral monitoring, field photos and videos, and 360 degree panoramic photos.*
- *All of these information should provide virtual environment of the island to Thai students throughout Thailand for their learning inquiries.*



Where?



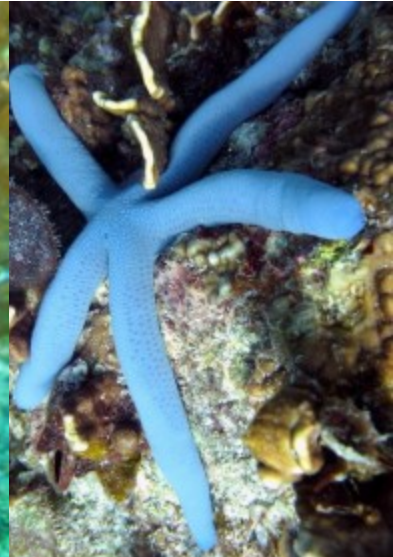
Racha Yai Islands, Phuket province,
Thailand (Latitude 7.60488°N ,
Longitude 98.37660°E)



Racha Island

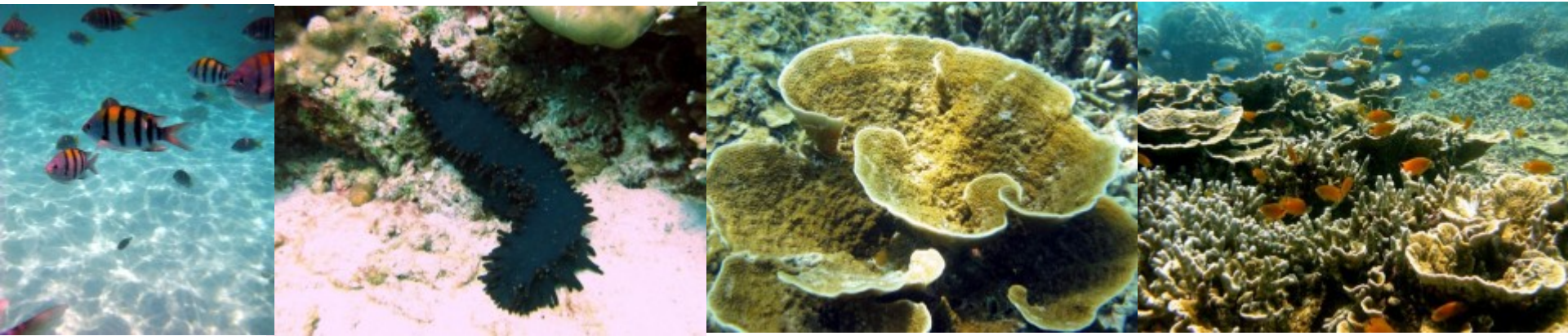


Why Racha Islands?



Why Racha Islands?

- Align with a NOAA pixel of SST remote sensing information.
- The island is increasingly popular for diving industries and needs for conservation is clear.
- Nice collaboration from communities, researchers and the resort, the stake holders.



Instruments

- Submersible underwater monitor system (CR110-7) and Recorder DVR (FK-RJ2604) monitors coral reef habitat and sandy beach.



Ecocam Data

- Images were transferred real-time online into an FK-RJ2604 device.
- Experimental Push and pull operations are used to transfer streaming data to Data turbine
- Observation of the coral reef using the Coral Virtual Site System started on 8 February 2010 .

VDO Capture



URLs of Coral Virtual Site project

- Streaming video portal
 - <http://coe.lsr.nectec.or.th/ecocam/>
- Facebook URL.
 - <http://www.facebook.com/pages/Virtual-Koh-Racha-Yai/18>
- Installation videos:
 - <http://www.facebook.com/pages/Virtual-Koh-Rach>

Research Team

