

Global Maritime Education & Training Association & Akademi Laut Malaysia



Raising Environmental Awareness
Using State-of-the Art Methodologies
Initially in SOMS

Objective

To raise the awareness and interest of

a) seafarers,

b) coastal people and

c) others associated with the sea and

of the role they could play in ensuring the effective protection and responsible

realisation of the wealth of the ocean,

initially focussing on the Straits of Melaka and Singapore region

Market

All people dependent on the ocean; eg:

- seafarers – particularly support level
- fishers – professional and recreational
- coastal dwellers – sea as part of daily lives
- young people – including school children
- offshore industry – workers in all aspects

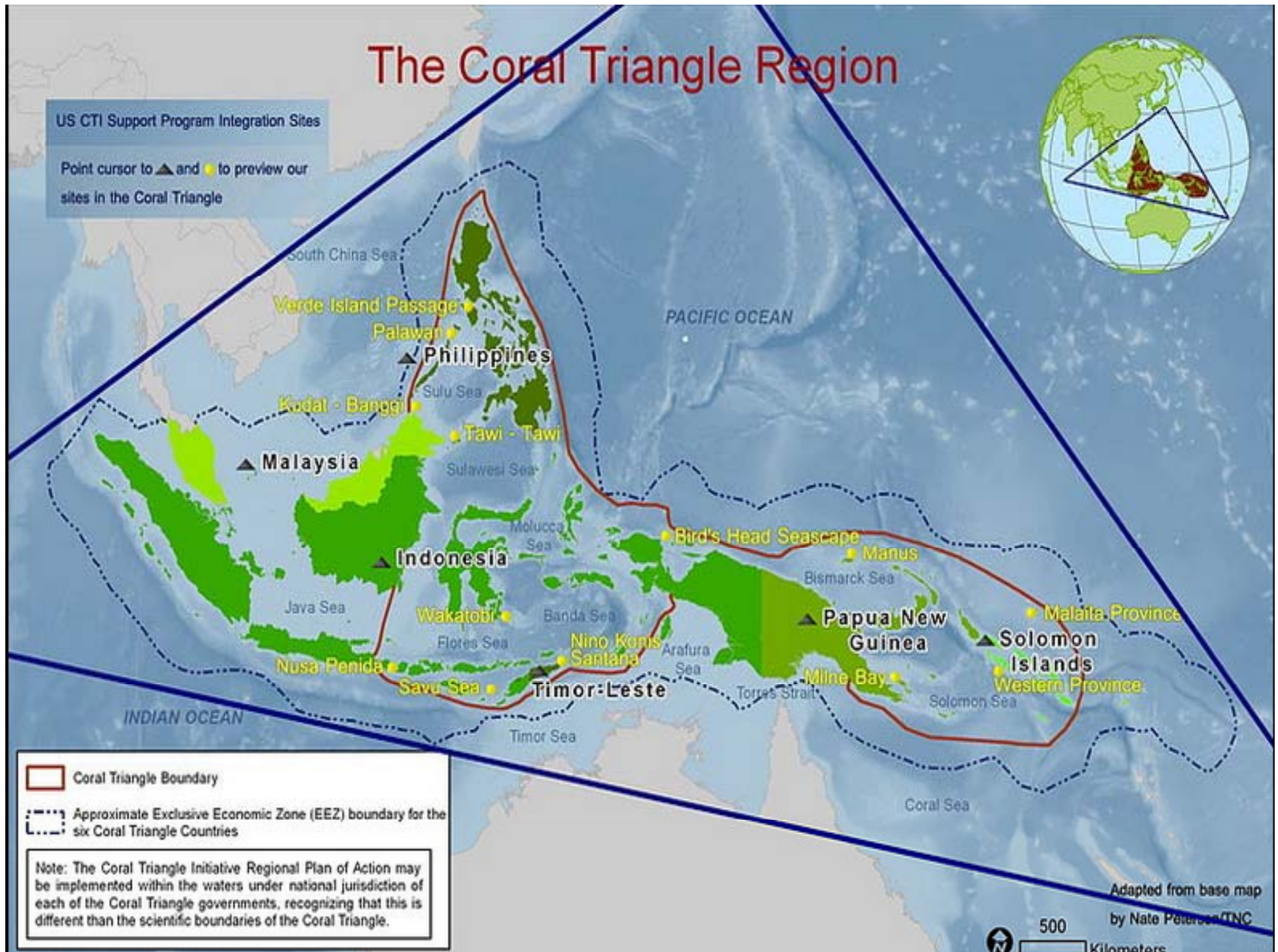
Development

- Awareness raising materials that are interesting, easy to understand (simple text, images, cartoons)
- Sequential (perhaps bi-monthly)
- Available free of charge on smart phones - addressing concerns in a specific region of the Coral Triangle and adjacent waters
- Initially Straits of Melaka and Singapore

The Coral Triangle Region

US CTI Support Program Integration Sites

Point cursor to ▲ and ● to preview our sites in the Coral Triangle



■ Coral Triangle Boundary

--- Approximate Exclusive Economic Zone (EEZ) boundary for the six Coral Triangle Countries

Note: The Coral Triangle Initiative Regional Plan of Action may be implemented within the waters under national jurisdiction of each of the Coral Triangle governments, recognizing that this is different than the scientific boundaries of the Coral Triangle.

Adapted from base map
by Nate Peterson/TNC



500

Kilometers

Resources

- Enabling and managing organisation – GlobalMET and member institution(s); eg Akademi Laut Malaysia
- Singapore Maritime Academy
- Indonesian academy
- finance – technical co-operation fund grant
- delivery platform – development expertise for app and awareness raising materials

Methodology

- Obtain in-principle endorsement from cooperative forum
- refine concept and build support
- obtain funding
- select platform
- develop simple educational materials (some cartoons)
- design app – trial in GlobalMET – market and deliver first episode – develop second

Outcome

- Increased awareness and
- understanding resulting in greater interest in the ocean and coasts, including life within and
- actions that enhance protection,
- through provision of a free app enabling downloading of free, periodic, attractive, materials on the care of the ocean and marine life in the Coral Triangle, but initially focus on the Straits of Melaka & Singapore

Responsible Realisation of the Wealth of the Ocean

- Transport - shipping
- Food – fishing, aquaculture, mariculture, plants
- Energy – oil, gas, coal, wind, wave, tide, current, thermal
- Minerals – manganese, salt, potassium, gold, gypsum, silver,
- Fertilisers - phosphates
- Pharmaceuticals – proteins, oils
- Tourism/Recreation – cruising, coastal resorts, yachting, swimming, snorkeling, diving, surfing, paragliding
- Water – desalination
- Defence

SEA Project

SARGASSO SEA

Track your ship's passage through this highly sensitive sea area - aim for clean ships and healthy seas - nothing over the side.

Sea Turtle

Sea turtles must surface to breathe, but caught in a fisherman's net they are unable to surface and can drown. A few hardy species live more than 100 years, spending decades grazing on sea grass and maintaining a healthy ecosystem for aquatic sea life.



Humpback Whale



These 36 meter giants migrate up to 25,000 km every year to find a mate in the warm waters of the Sargasso Sea. In pursuit of the perfect love, charismatic males "sing" producing a sound that travels hundreds of miles through the ocean to attract females.

Sargassum Weed



Like a floating hotel, this plant supports a mini-ecosystem of animals found only living amongst its golden green leaves. Guests such as pipefish, shrimp, and small crabs spend their entire lives within the floating mats of the Sargassum and have evolved their body shape and color to resemble their host.

Flying Fish



Found throughout the surface layers of warm oceans, flying fish use enlarged fins to glide above the water to escape predators. Some species lay eggs and intentionally tangle them within the Sargassum weed, thereby keeping them protected within the floating mats.

Sargassum Anglerfish



Living only within the Sargassum weed, this "angler" fish is camouflaged and has adapted fins that are used to hold onto the weed and creep around the mats. One fin is modified as a fishing lure and used to attract prey within reach of its large mouth.

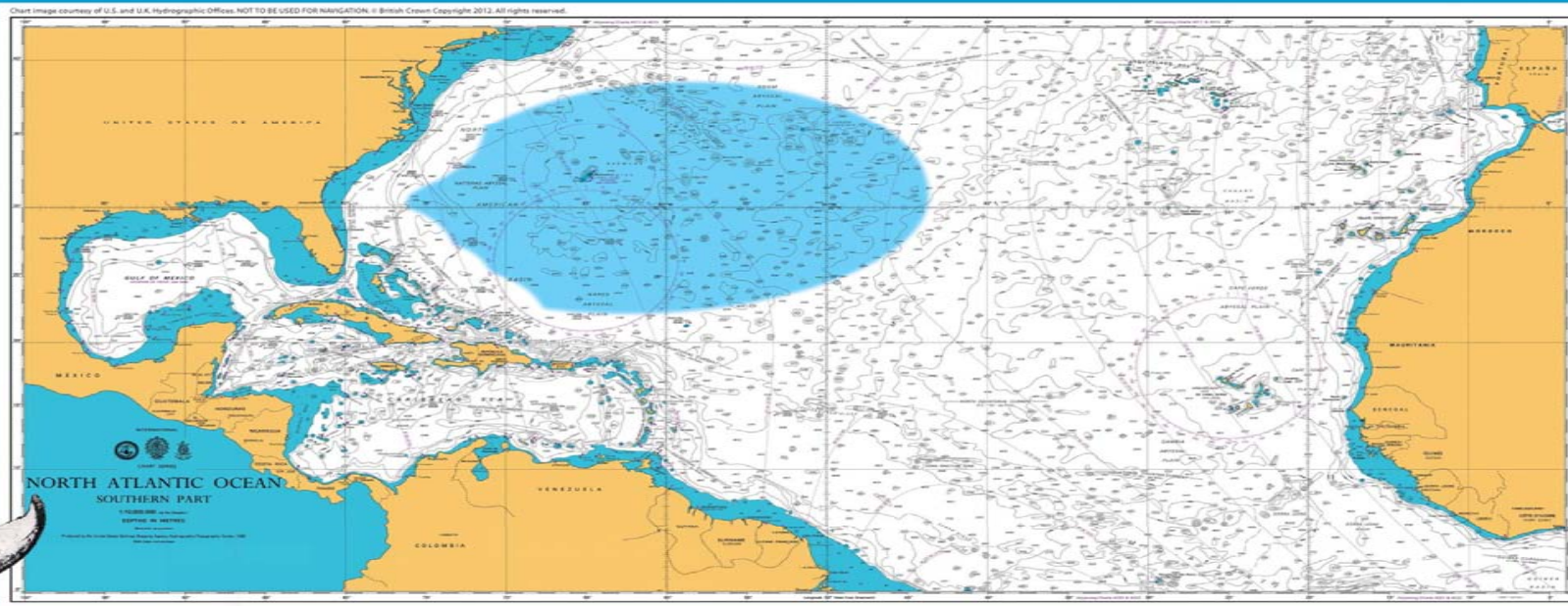
Navigating Cleaner, Healthier Seas

This poster is intended to alert seafarers when their vessel is transiting a particularly sensitive ocean area, in this case the Sargasso Sea, which is highlighted in blue.

The Sargasso Sea supports many **unique and endangered species** and some are shown above. These plants and animals are **suffering from illegal fishing, pollution and garbage**, especially from plastics thrown overboard.

Help preserve the Sargasso Sea. Be aware of the area your ship is transiting - **avoid disturbance of whales and other marine life**. Act responsibly - **nothing over the side, especially oil and plastics**.

For further information, or to contact us, please go to: www.sargassoalliance.org





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Thank you