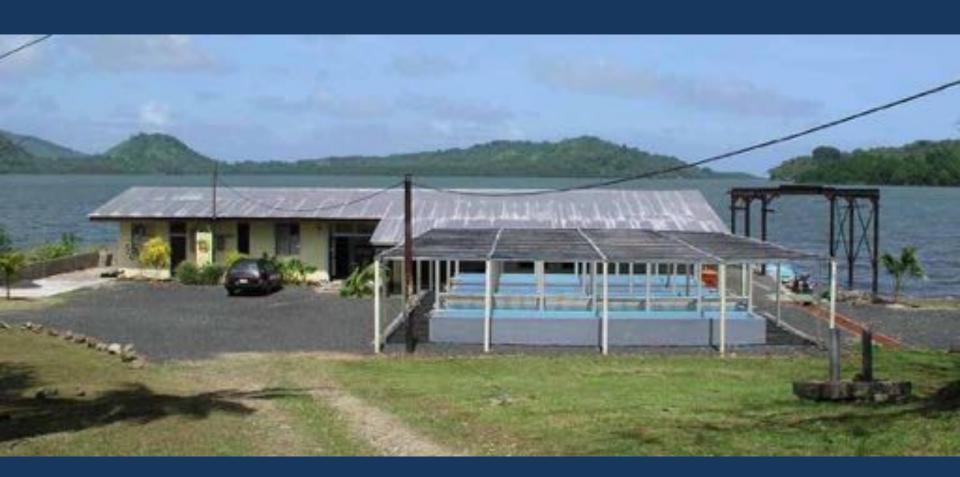
MERIP Overview and Rabbitfish Work www.meripmicronesia.org



MERIP Background

- Not for profit corporation so operates as a business but can also apply for grant funding
- Focus on aquaculture products marine ornamental invertebrates, bathing sponges
- Help community members establish farms, providing training, materials and marketing assistance
- Incorporate environmental, conservation, climate change, and business training into day to day activities for communities

MERIP Approach

- Due to the uniquely challenging business environment in the FSM, developed a three tier, or fully integrated, approach to sustainable development:
 - —Product development
 - -Community technology transfer/training
 - Marketing and market development

Products and Product Development

- Simple technologies easily adopted by community members
- Lightweight or valuable enough to be exported cost-effectively
- Environmentally sustainable technologies with a strong focus on conservation
- All products with the exception of fish are exported

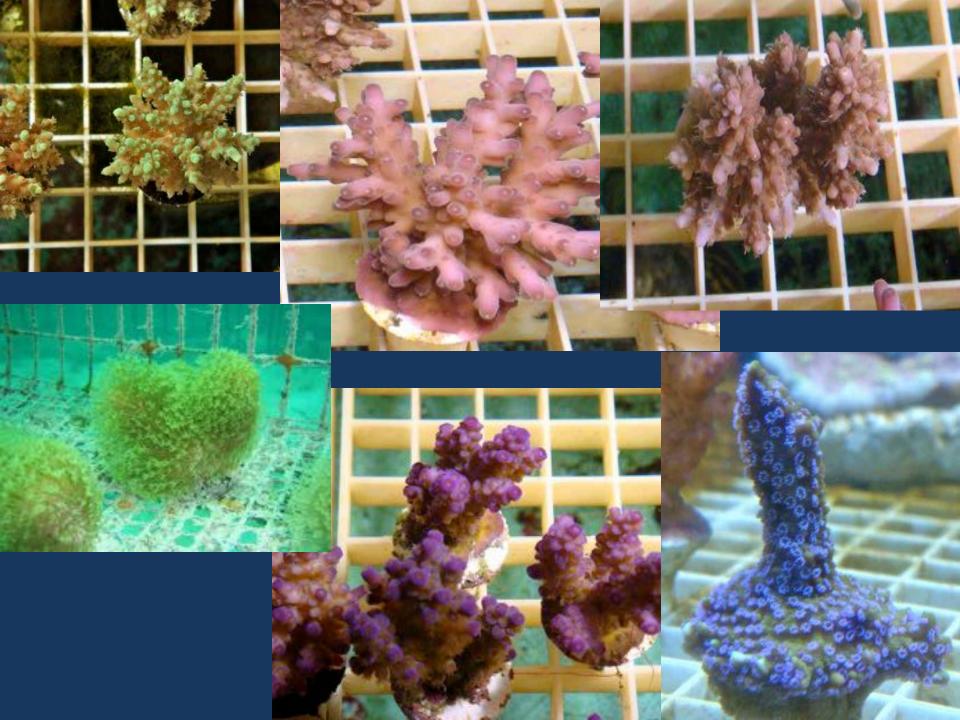
Livelihoods Approach

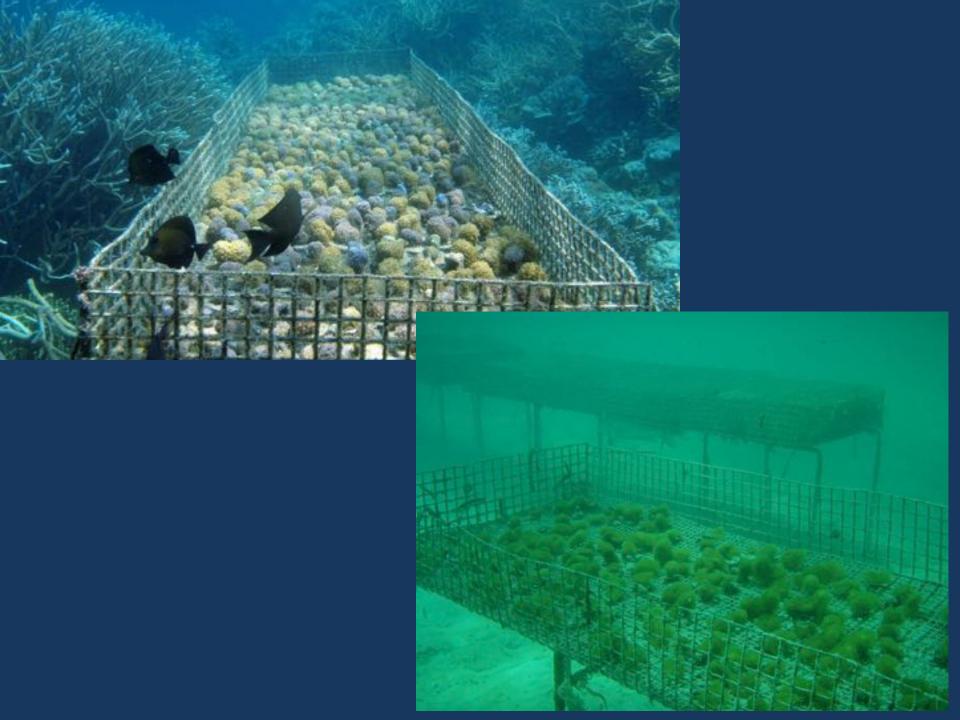
- Coral and giant clam farming for the marine ornamental trade - export
- Sponge farming for the bath and beauty trade
 export
- Rabbitfish farming for food security or income
 - local market



Marine Ornamentals

- Corals are easily fragmented and are fast growing
- Photosynthetic symbiosis allows them to grow well in aquaria.
- Generally colorful or have branches that move in the current



























Sponge Farming

- Fragmentation process large sponges are cut up into smaller pieces and planted
- Almost no disease but need cleaning and maintenance
- Main markets are New Zealand, US,
 Singapore but ship to 14 locations

Rabbitfish Farming

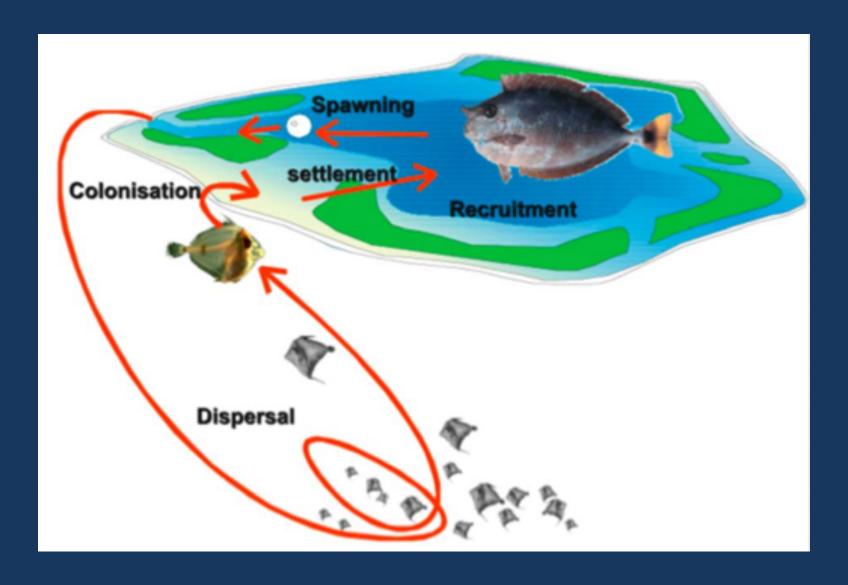
- Very promising!!!
- 3rd year of activities
- 2 species with high economic potential



Properties

- Settle from plankton in large quantities
- Very popular food fish
- Hardy can withstand poor water quality
- Herbivorous
- Reasonably fast growing

Oceanic Phase



S. argenteus – forktail rabbitfish



Best success to date at MERIP

Very little information in the literature for culture of this species
Successfully captured and farmed at MERIP for 3 years

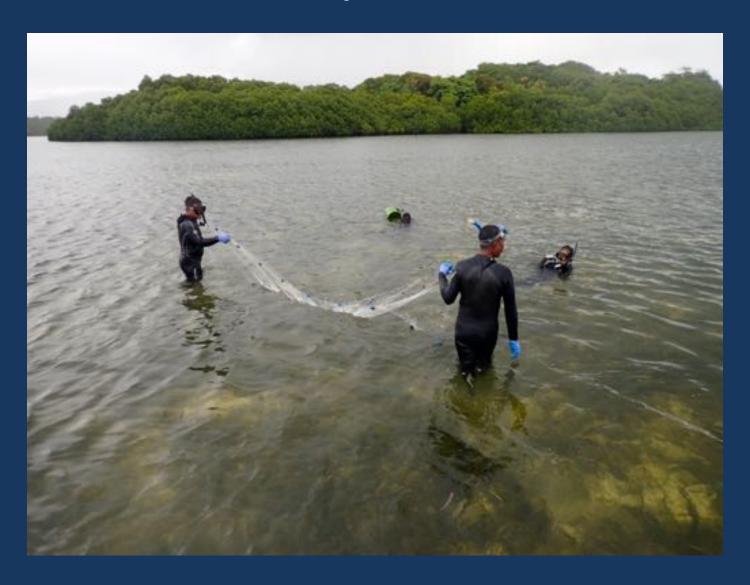
Settle from plankton in April and May

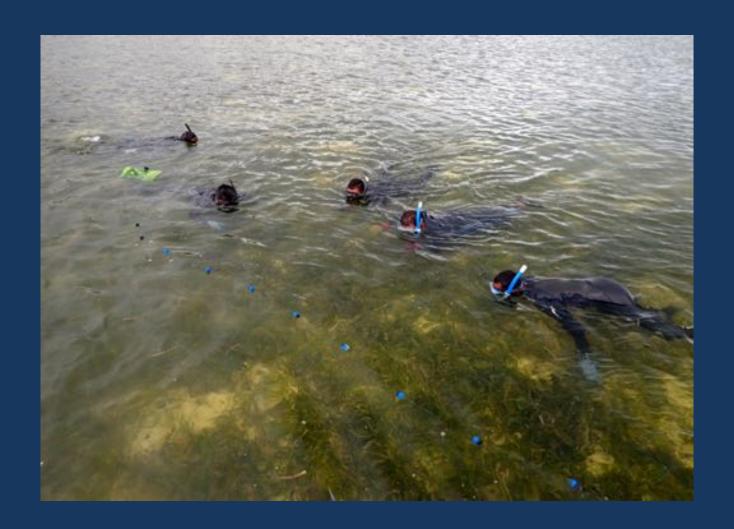
S. randalli – Randall's rabbitfish



Popular fish in Pohnpei -Kioak Has been captured in the mangroves and is being farmed Growth rates so far are good Hatchery technology is understood Studied in Guam

Capture









Kioak capture











Easy to transport







WSARE PROJECT

- Resource manager workshop completed
- Hatchery study tour late 2019
- Pictorial manual in final draft form
- Training and evaluation Pohnpei, Kosrae and Majuro – later in 2019 and into 2020



Andre Seale



