

Refining nursery-to-reef restoration practices for resilient boulder coral enhancement of Florida's Coral Reef

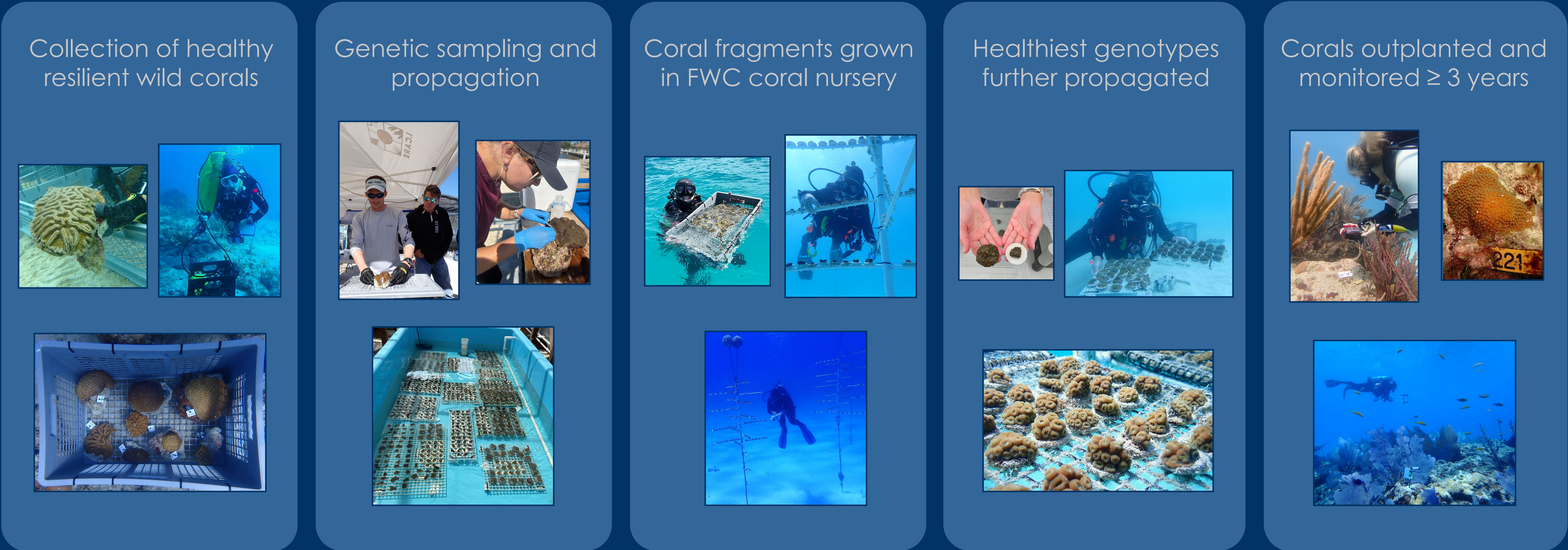
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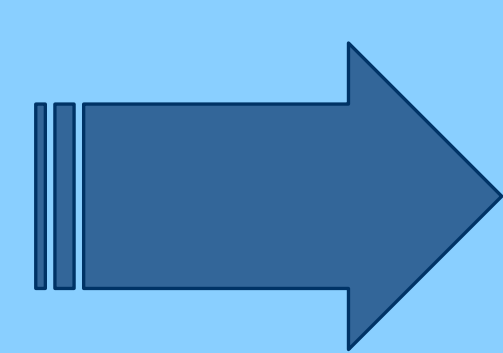
Florida's Coral Reef

- Stony Coral Tissue Loss Disease and other environmental stressors threaten the reef ecosystem
- Urgent need to restore coral biomass and enhance reef resilience
- FWC Marine and Estuarine Habitat Restoration, Monitoring, and Assessment (MEHRMA) support

Project Goals

- Scale-up nursery production of boulder corals
- Outplant diverse and resilient genotypes
- Increase restoration footprint by partnering with I.CARE and the Keys Marine Laboratory
- Restore 1 acre of reef habitat 2024-2027
- Educate public through outreach



 Coral health, growth, and survival data inform selection of genotypes for production and outplanting to enhance reef resilience

Collecting	Genotyping	Propagating	Outplanting	Monitoring
✓126 wild corals and sexual recruits	✓138 corals sampled for genetic analysis	✓7,657 corals produced from source colonies	✓2,448 corals outplanted by FWC & I.CARE	✓Assess resilience and restoration success



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