Blue Community
Sustainable Tourism Observatory

PCOGS
DR. KIRAN C. PATEL COLLEGE OF GLOBAL SUSTAINABILITY

Dr. David W. Randle

USF UNIVERSITY OF SOUTH FLORIDA
COME TO THE ISLANDS

To create better choices for our sustainable tourism futures
SATELLITE PROGRAMS

- New Smyrna Beach
- Key West
- Orlando
NEW SMYRNA BEACH

- Education through Marine Discovery Center
- ShO RE Symposium (Sharing Our Research with Everyone)
- Blue Mind framework
KEY WEST

- Internationally Know Destination
- Model for Climate Change Mitigation
- Leader in Cultural Preservation
ORLANDO

- Metrics for 73 million annual tourists (largest in U.S.)
- Funding models to help tourism resorts become carbon neutral
- Fleet Farming - bringing home gardens to market through bicycles.
KEY EDUCATION MODELS

- NASA Future Teams Concept
- Science of Planetary Boundaries
- One Planet Living
- PM4SD
- Blue Community Strategies
- Blue Community Model
- Experiential Learning
BLUE COMMUNITY PROGRAM
For A Sustainable Planet & Healthy Ocean
KEN RANDLE
JPL NASA FUTURE PROJECTS TEAM
THE GRAND TOUR AKA VOYAGER
LESSONS OF THE FUTURE PROJECT TEAM

- We have the potential to do things we haven’t done and to do things in new ways.
- We can build on successes to do even greater things.
- Thinking outside the box, or solar system, can attract better and more creative employees.
- Success in the future needs planning for the future.
Villages Nature utilized the One Planet Living template. The average European lifestyle for the world would require 3 planets. The average North American lifestyle would require 5 planets.
PM4SD TRAINING
Project Management For Sustainable Development
BLUE COMMUNITY STRATEGIES

- Improve building design
- Promote mass transit
- Water Conservation
- Improve waste management
- Reduce energy use
- Promote local organic and hydroponic food.
- Promote sustainable seafood
- Protect coastal habitat and cultural heritage
- Reduce use of plastics
- Clean marina initiatives
- Education
- Planning, policy, and management
BLUE COMMUNITY MODEL
EXPERIENTIAL LEARNING
Greenest town in America
Edible Gardens
Sustainable Seafood featuring Mullet
Gamble Creek Farm & Composting Program
Wild pig program

SUSTAINABLE FOOD SYSTEMS
ENERGY EFFICIENT BUILDINGS

- Insulated Concrete Form (ICF) Construction. Inside blocks are a reinforced steel grid
- Full solar heat gain, 3/16”, vinyl, hurricane windows. These windows provide the maximum in impact resistance, energy efficiency, and light retention
- On demand hot water system
- Foam insulated attic
- Retained historical architecture
PERMEABLE WALKWAYS

- Improves natural water cycles
- Provides dry path walkways for tourism
- Reduces flooding in hurricanes 50%
ANNA MARIA ISLAND

Rain Water Collection
EDIBLE GARDENS

- Thirty Gardens along Pine Avenue
- Inspired several personal gardens
- Seasonal conventional varieties
- Summer tolerant perennials from ECHO
JUBILEE ORGANICS

- 20,000 plants on 3 acres
- Feeding family, homeless, and supplying restaurants
- No fertilizers or pesticides
OFFERS A VARIETY OF SUSTAINABLE FOOD ENTREES
PROVIDES LEADERSHIP IN THE MULLET FISHING
INVASIVE SPECIES

- Wild Pigs
- Lion Fish
HISTORIC CORTEZ VILLAGE
ROBINSON PRESERVE

487 acres transformed from farm land to coastal habitat and wetlands.
MANATEE BEACHES RECEIVE CLEAN BEACH AWARD

Blue Flag Recognition for: Cortez Beach, Cortez Beach, Manatee Beach, Coquina Beach, Holmes Beach, Anna Maria Beach,
MOTE MARINE LAB & AQUARIUM

- Research
- Education
- Exploration
- Scientists, Explorers, & Stewards of the Ocean
SAINT PETERSBURG NET ZERO ENERGY
First Florida City And 20th in the U. S. To commit to 100% Clean Renewable Energy
CLEAN MARINA INITIATIVE
TRADEWINDS ISLAND RESORT

TradeWinds has reduced annual water consumption by 30%
We could have saved the Earth but we were too damned cheap.

—Kurt Vonnegut, Jr.
TAMPA BAY WATCH

- Preservation
- Restoration
- Conservation
- Education
TAMPA BAY WATCH: MODEL FOR COASTAL HABITAT PROTECTION

- Oyster Domes
- Oyster Bars
- Salt Marsh Grass
- Seagrass transplanting
- Invasive plant removal
- Storm Drain Marking
- Derelict Crab Removal Program
- Coastal Clean-up
CLAM BAYOU PROJECT

The stormwater treatment components involve 20 acres of ponds designed to improve water quality of runoff from a 2,600-acre watershed.
ST. PETE ECO-VILLAGE
BIO DIGESTER

Biodigester
converts compost and manure into methane gas used for cooking and heat.
WE INVITE YOU TO COME TO THE ISLANDS TO WORK, PLAY, AND LEARN TOGETHER
THANKYOU!
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