









*Mare Nostrum Caribbean:
Workforce Development through STEM Education
Research and Practice*

*I. STEM workforce development through higher
education*

Sandra L. Romano
Executive Director, VI-ISERP

II. STEM workforce development at the K12 level
Karissa Poszywak
STEM Director, VI Dept of Education



VIRGIN ISLANDS **epscor**
Virgin Islands Experimental Program to Stimulate Competitive Research

PRESENTS
Mare Nostrum Caribbean
Our Caribbean Sea - 2014 - 2019

MAY 26th - 28th 2015
St. Croix, US Virgin Islands

**Leveraging
Research
and Education**
Through Programs and Partnerships

Coral Reef Research
Emerging Research
Workforce Development

Cyber Infrastructure
Outreach and Education
Citizen Science

Today's students are moving beyond the basics
and embracing the 4C's – "super skills" for the 21st century!



Communication

Sharing thoughts, questions,
ideas, and solutions



Collaboration

Working together to reach a
goal – putting talent, expertise



Critical Thinking

Looking at problems in
a new way, linking learning
across subjects & disciplines



Creativity

Trying new approaches
to get things done equals



VIRGIN ISLANDS epscor
Virgin Islands Environmental Program to Stimulate Competitive Research

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Disease in the Deep:
Coral White Plague in
Mesophotic Coral Ecosystems

Marilyn Brandt,
Tyler B. Smith, Elizabeth
Clemens, Leah Sevier,
Williams

University of the Virgin Islands

Marilyn Brandt, presenter, standing on stage in a light blue top and white pants, gesturing while speaking.



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Virgin Islands Environmental Program in Scientific Collaborative Research

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Lionfish are venomous



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Joint Institute for Caribbean Marine Studies



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Engaging Students in OUTSIDE Science Learning

Presented By:
Carrie Jo Boyce, M.S.

NSF Funded Project Developed By:
Dr. Kristy L. Powell (nee Halverson)
Dr. Aimee K. Thomas



Some Thoughts on How to Sustain a Successful Program

Mark R. Boardman



Outreach/Education/Citizen Science

"In the end
We will conserve only what we love;
We will love only what we understand;
and
We will understand only what we are
taught."

(Iaba Dioum, 1968.)



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