Coastal and Estuarine Research Federation

Susan Park (she/her)

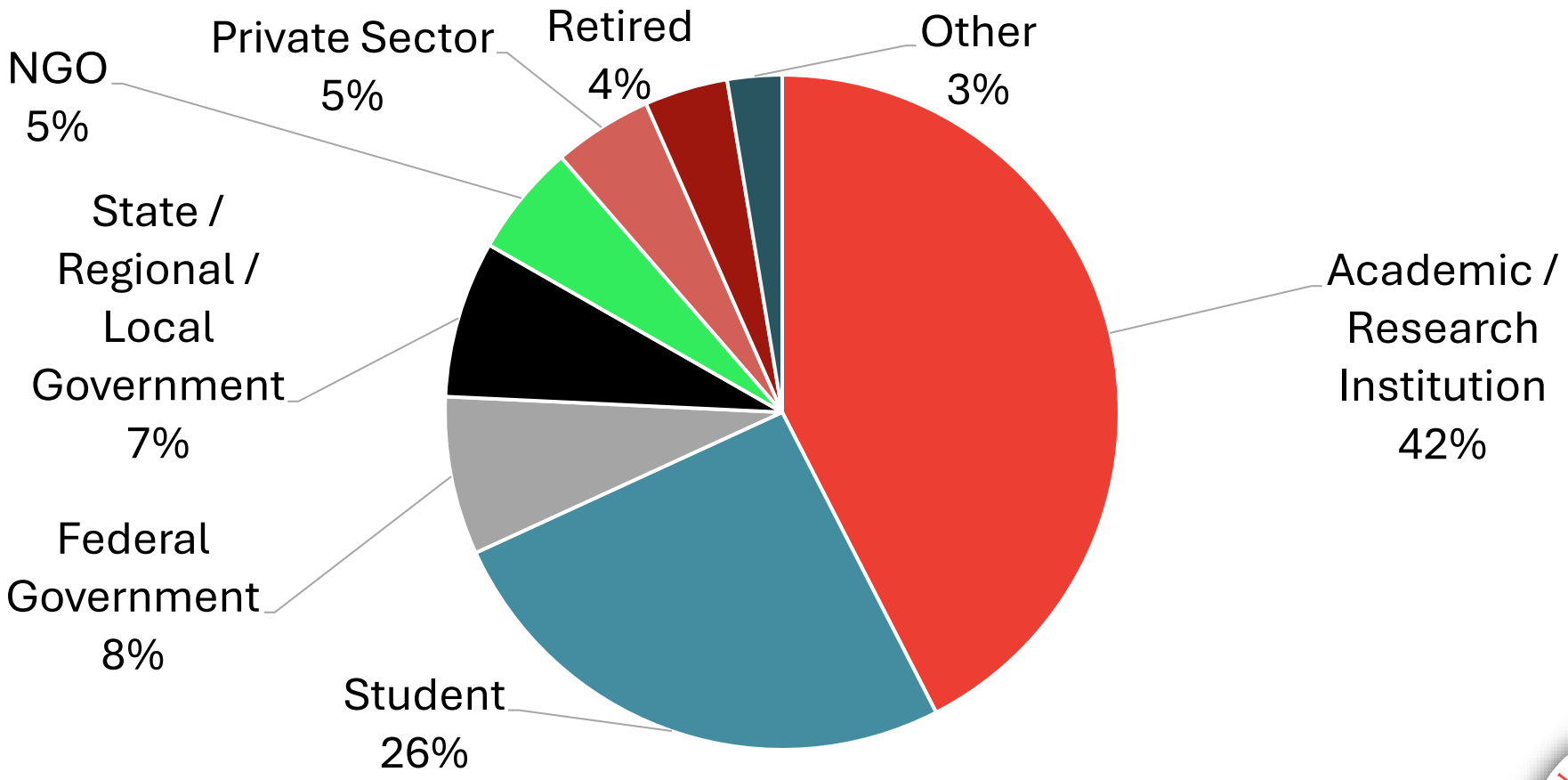
Executive Director

NASEM Ocean Studies Board Meeting

2 May 2025

Malibu Lagoon in southern California, USA, at high water levels. Credit: Christine Whitcraft

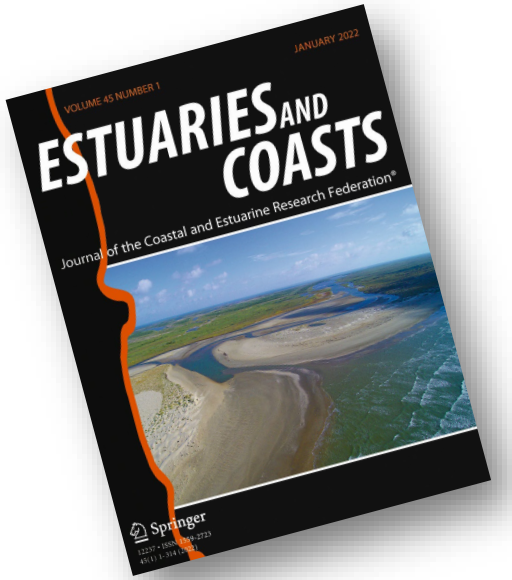
Who we are


Private Sector
5%
Retired
4%
Other
3%
NGO
5%
State /
Regional /
Local
Government
7%
Academic /
Research
Institution
42%
Federal
Government
8%
Student
26%

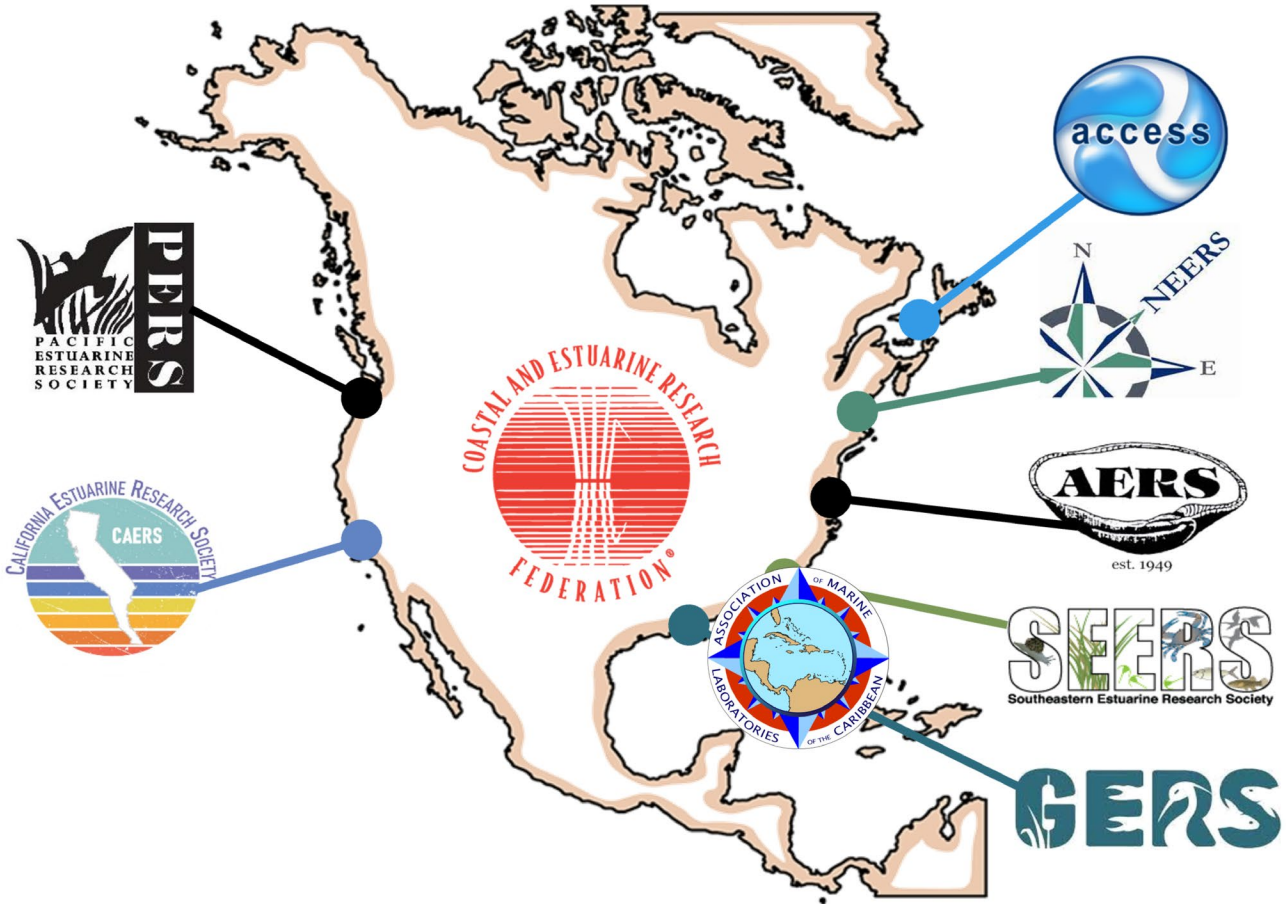
Core CERF Activities

Mission:

To advance the **understanding** and **wise stewardship** of coastal and estuarine ecosystems worldwide



Affiliate Societies



Visions V: 2023-2026 CERF Strategic Plan

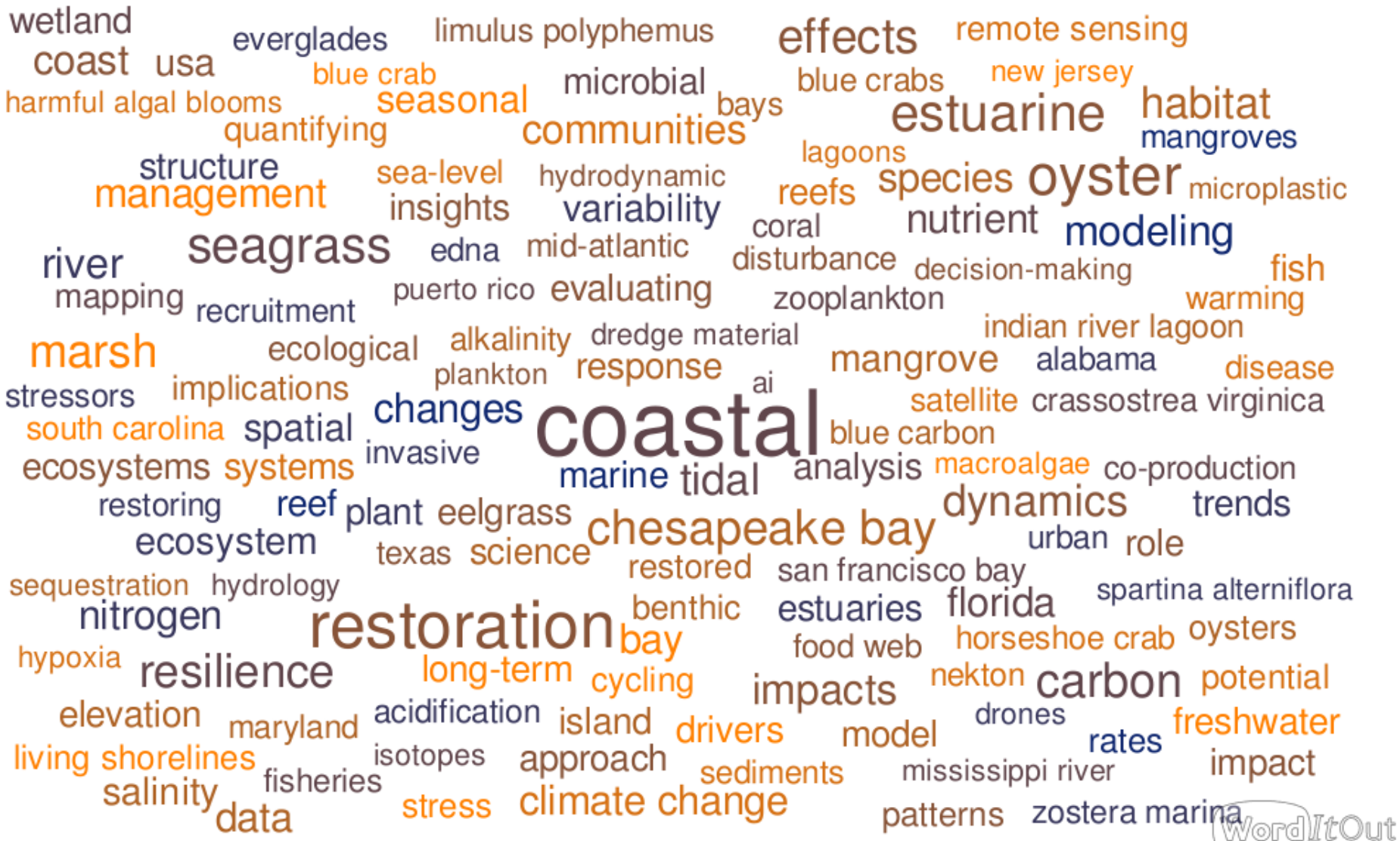
Goals:

1. Advocate for Estuaries and Coasts
2. Enhance Member Value
3. Promote and Support Equity and Justice

Our Priorities

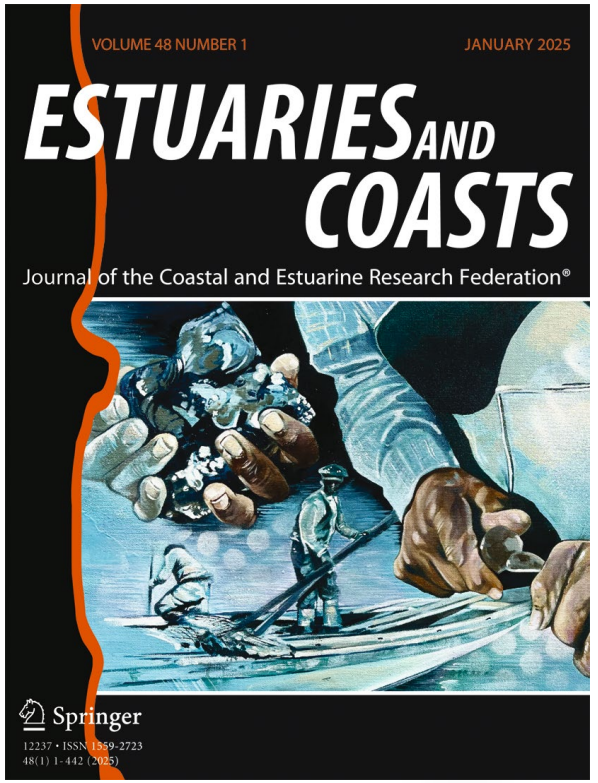
1. Connecting science and management
2. Workforce development
3. Creating an inclusive culture

CERF 2025 Abstract Titles



Estuaries and Coasts

- Management Applications: demonstrate application of research results to address contemporary estuarine and coastal management, socioeconomic, and policy issues
- Estuary and Coast Signatures: describe estuaries and coasts that are currently underrepresented or poorly characterized in the literature worldwide



Coastal and Estuarine Science News

- Highlights the latest research in *Estuaries and Coasts* that is relevant to environmental managers
- Free e-newsletter delivered to subscribers every two months
- Available in English and Spanish
- Links to read-only full text of original articles

2025 Issue 1

CESN coastal & estuarine science news

Table of Contents

Can Living Shorelines Be Used to Retrofit Armored Structures?

Enhancing shore protection and providing habitat in Florida

Living shorelines can help protect coasts while enhancing ecological value, and many communities are turning to them as an alternative to bulkheads and seawalls. But can living shorelines also be used as a way to retrofit failing armored infrastructures?

COASTAL AND ESTUARINE RESEARCH FEDERATION

Communities of Practice

Facilitate information exchange by connecting experts and practitioners across the world

Promote coordination of activities

Encourage use of most appropriate methods and technologies

Share lessons-learned and advice

Serve as a repository for articles, manuals, reports, grey literature, and other resources

SAV Monitoring/Mapping CoP | Mapping | tags | Latest | Top

Topic

About the Mapping category

The Mapping category is a place for SAV mapping practitioners to talk. Here we focus on remote sensing methods, tools, data and best practices (Tier I*). * Neckles et al 2012 Please use the Monitoring in the Field cate… read more

Recent summary papers on SAV monitoring and mapping?

Remote Sensing Toolkit

Aerial firms we've used

aerial

Transitioning from visual image interpretation to semi-automated segmentation methods for seagrass mapping

Writing a request for services for seagrass mapping

satellite, aerial

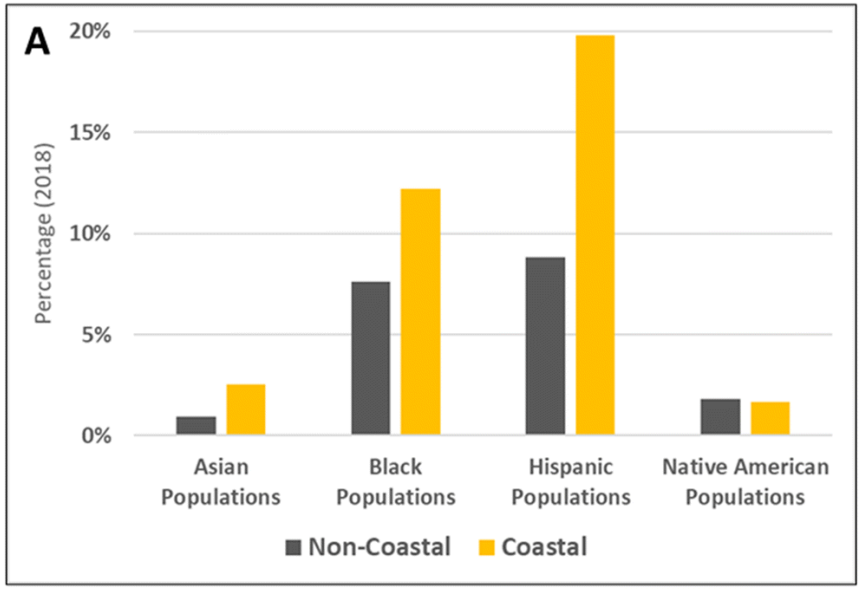
Advice Please: Timing of concurrent remote sensing surveys

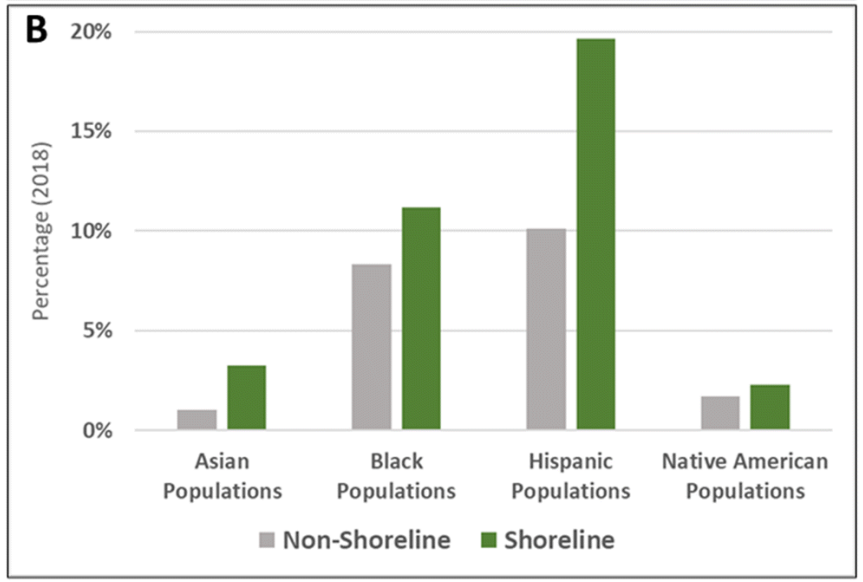
SAV Mapping and Monitoring Community of Practice

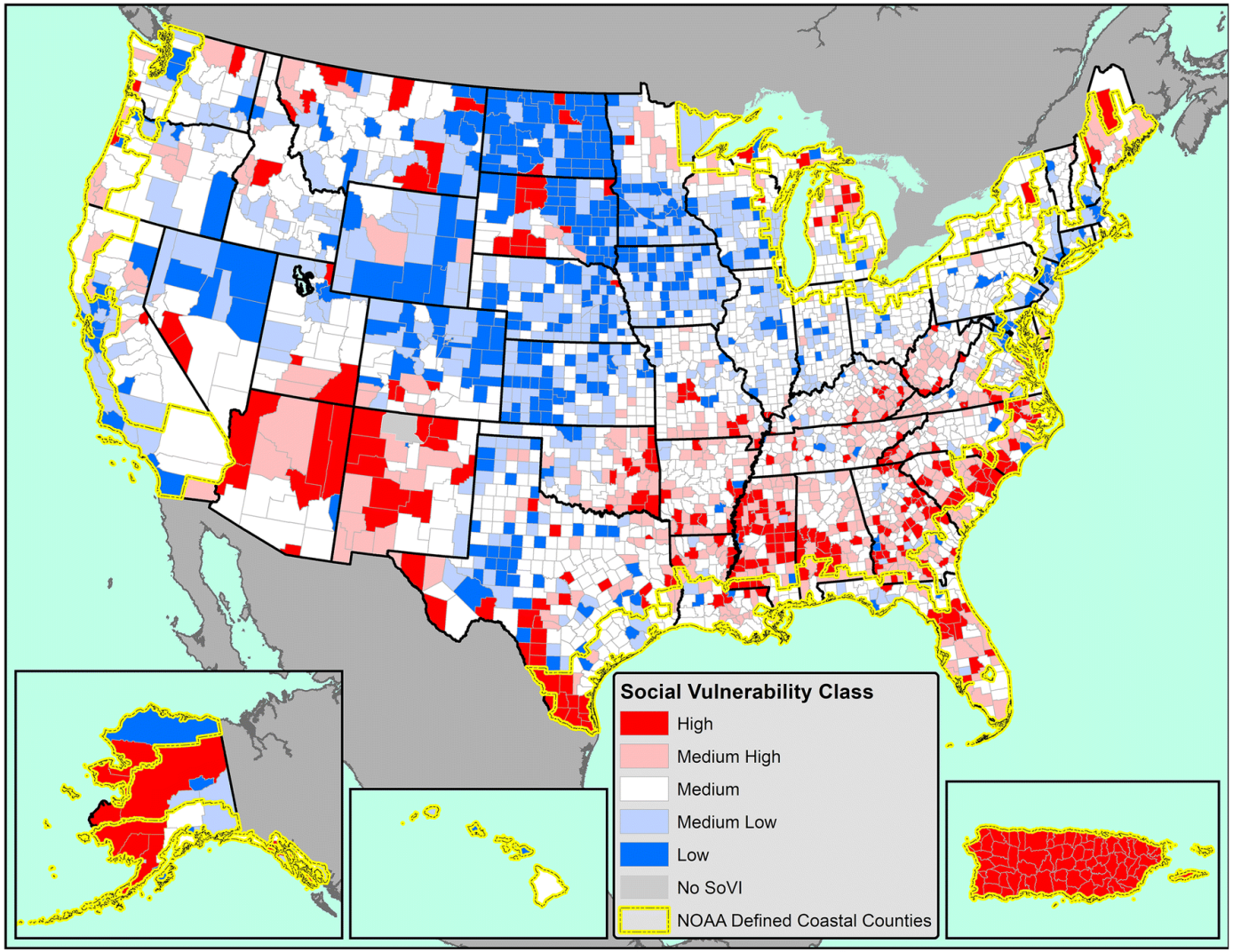
COASTAL AND ESTUARINE RESEARCH FEDERATION

Commitment to Inclusion

Promote and Support Equity & Justice:
Foster greater diversity, equity, inclusion, justice, and accessibility (DEIJA) in the coastal and estuarine research, management, and policy communities and ensure that DEIJA is considered in all the work of CERF







From: Harris et al. 2022. A Socio-ecological Imperative for Broadening Participation in Coastal and Estuarine Research and Management

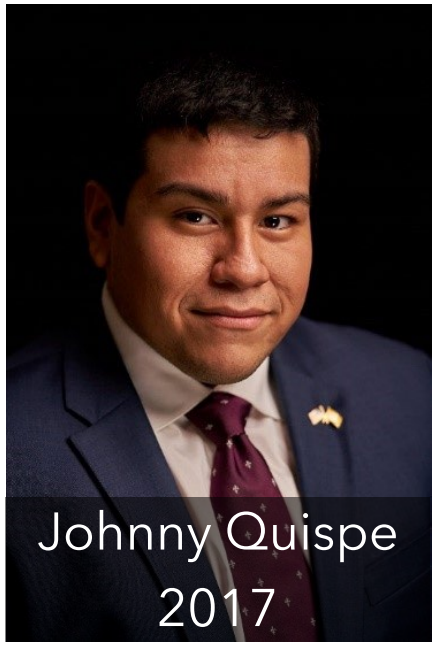
RISING TIDES
Toward an Inclusive, Diverse, and Enriched Society

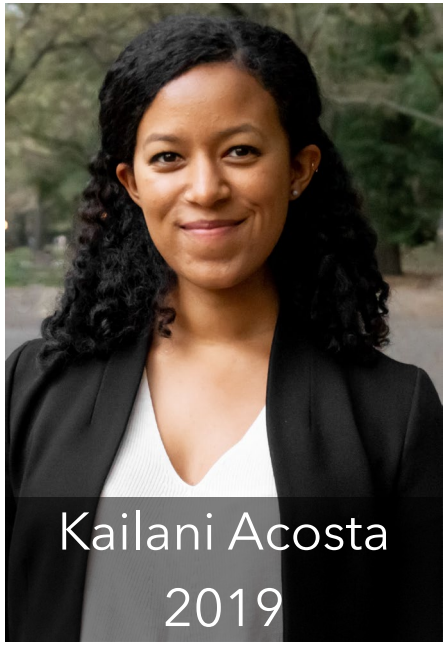
Supports students from groups underrepresented in our disciplines to pursue careers in coastal and estuarine science and management

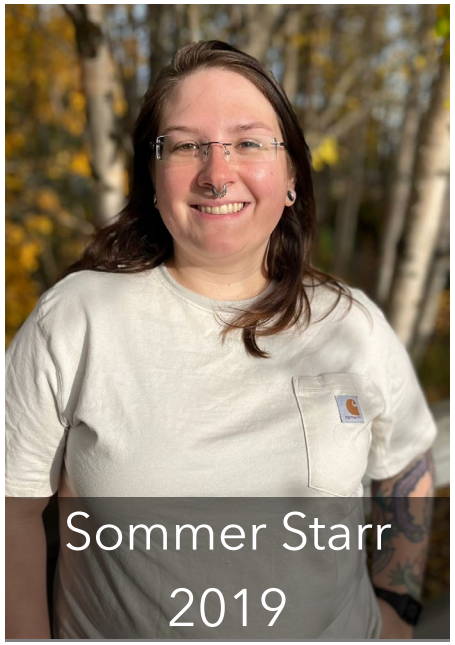
The 12-month program provides:

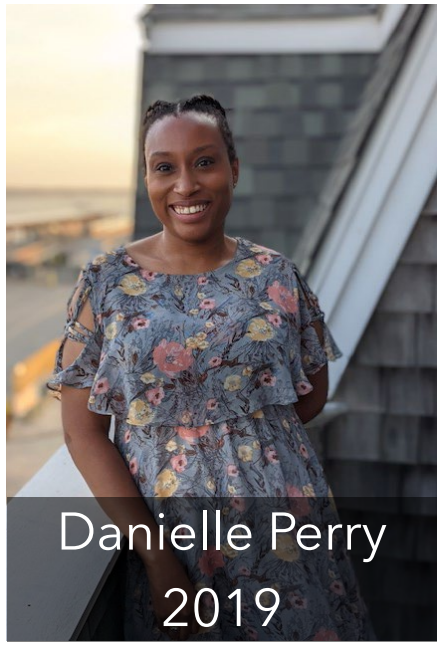
- Funding, including an annual stipend, to attend:
  - CERF Conference
  - Affiliate Society meeting
  - Restore America's Estuaries Summit
- Professional and near-peer mentors
- Professional development
- CERF membership

COASTAL AND ESTUARINE RESEARCH FEDERATION









Next Generation CERF Leaders

Brings together a diverse cohort of coastal and estuarine professionals at all career stages to be more inclusive leaders and affect culture change in the field

CERF INCLUSIVE LEADERSHIP PROGRAM

The 12-month program provides funding, including an annual stipend, to attend:

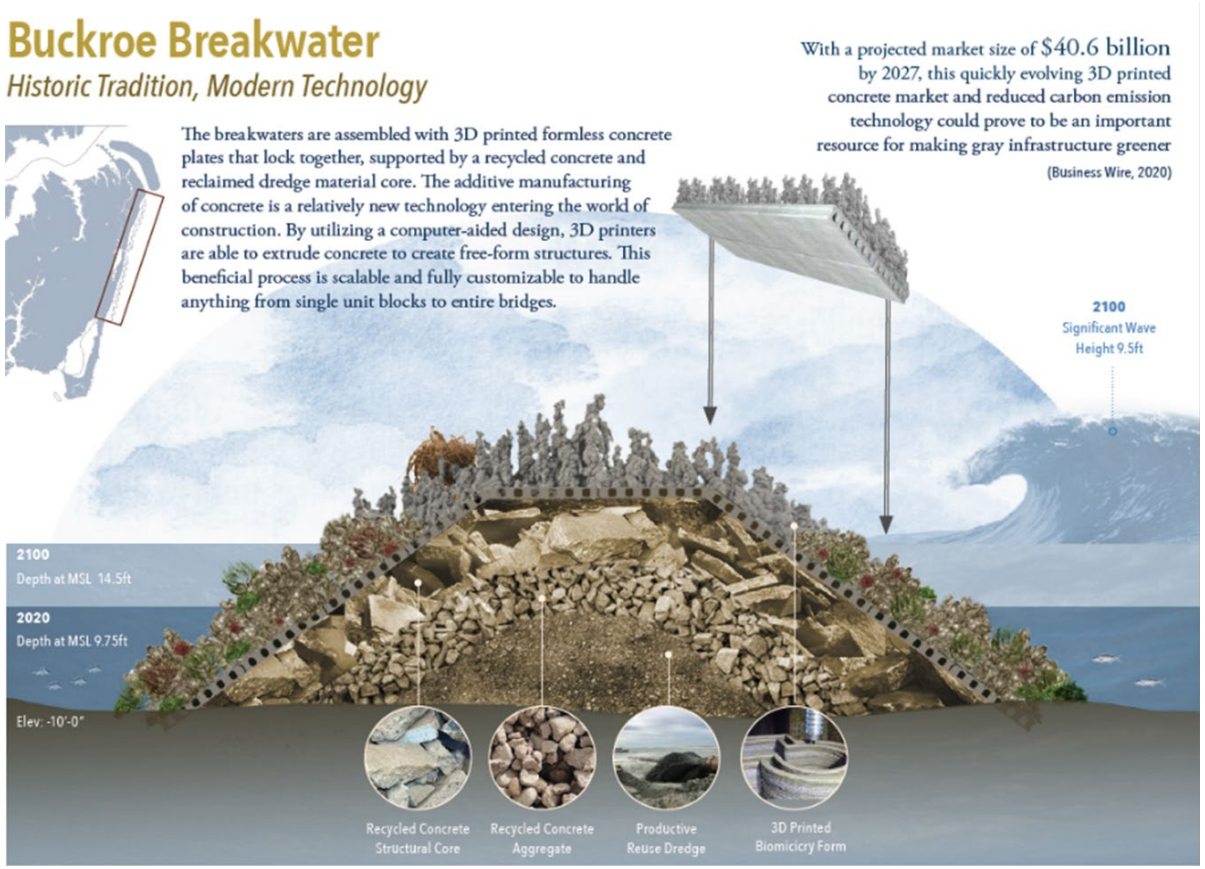
- three in-person events, including the CERF conference and two retreats
- monthly virtual workshops, coaching sessions, and group discussions

<u>Knowledge areas</u>

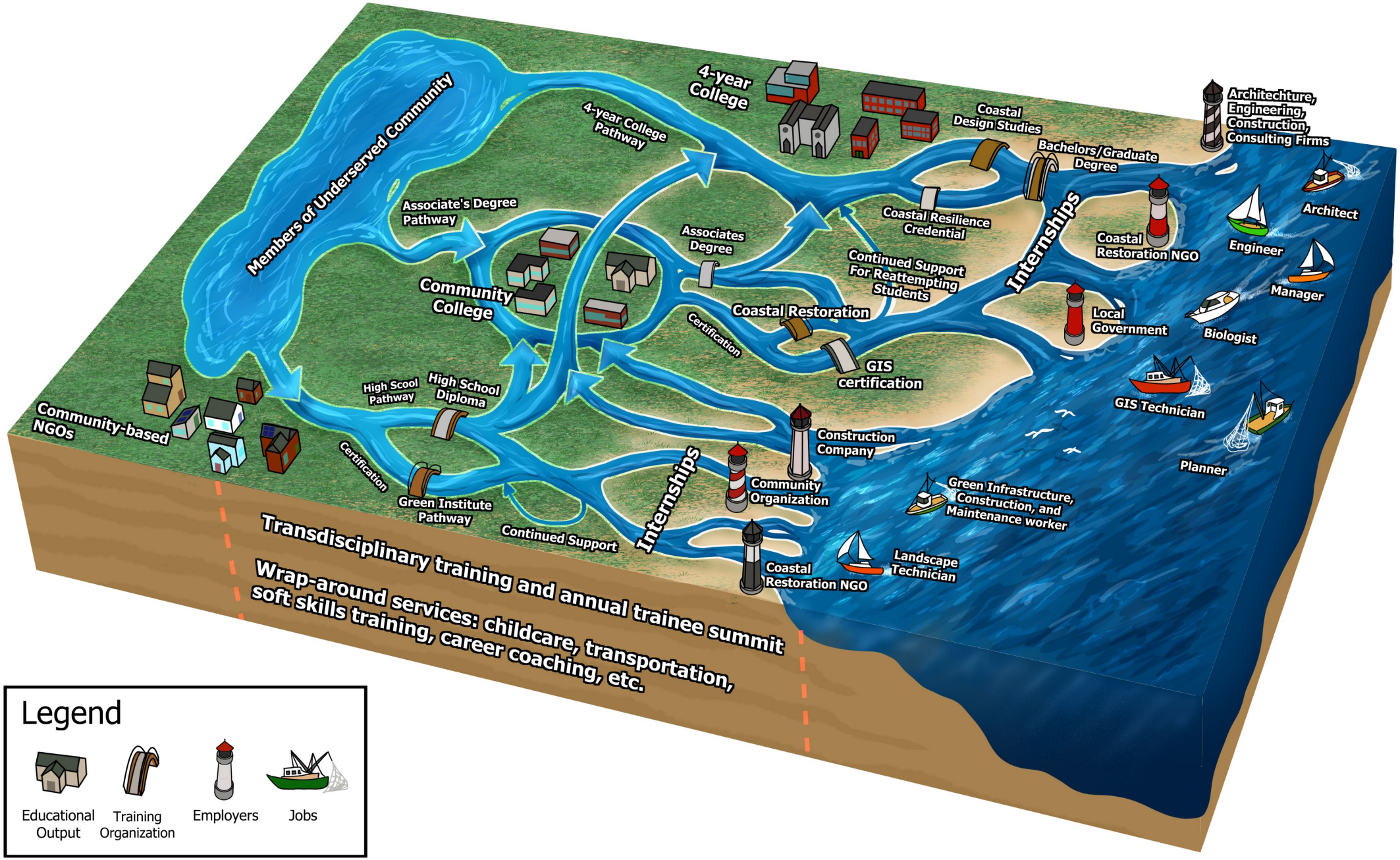
- DEIJA foundations
- Leadership skills
- Capacity to drive change

COASTAL AND ESTUARINE RESEARCH FEDERATION

Coastal Design Competition



- Student/faculty teams propose research, design solutions, and innovative strategies to make coastal environments more resilient
- Students receive transdisciplinary training
- Vulnerable, underserved communities receive actionable designs



Adapted from Batchelor, et al. 2021. Reimagining STEM Workforce Development as a Braided River

Collaboration

CASS | Consortium of Aquatic Science Societies

National Estuarine Research Reserve System Science Collaborative

NERRA National Estuarine Research Reserve Association

RESTORE AMERICA'S ESTUARIES

COASTAL STATES CSO ORGANIZATION

NSF INCLUDES SEAS Islands Alliance

COASTAL AND ESTUARINE RESEARCH FEDERATION

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Sunset over Shad Creek off Rowley River, Plum Island Sound, Massachusetts, USA. Credit: Jane Tucker