



VIRGINIA INITIATIVE FOR
**GROWTH &
OPPORTUNITY**
IN EACH REGION



OLD DOMINION
UNIVERSITY



**INSTITUTE FOR COASTAL
ADAPTATION & RESILIENCE**SM



MIDDLE PENINSULA
PLANNING DISTRICT COMMISSION
Public Access Authority



VIMS | WILLIAM
& MARY
VIRGINIA INSTITUTE OF MARINE SCIENCE
SCHOOL OF MARINE SCIENCE



RISE
Resilience Innovations

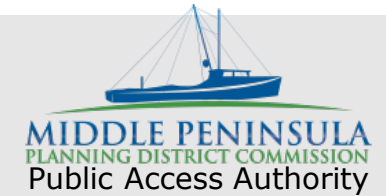
Launching a Coastal Resilience and Adaptation Economy

Carol Considine

Director of Applied Projects

Commonwealth Center for Recurrent Flooding Resiliency (CCRFR)

Institute for Coastal Adaptation and Resilience (ICAR) @ ODU



Launching a Coastal Resilience and Adaptation Economy



Resilience Entrepreneurship Capacity & Accelerator Services.

- Entrepreneurship and Business Development Assistance
- Product Performance Validation
- Region 6 Resilience Innovation Center – Living Laboratory



Consortium

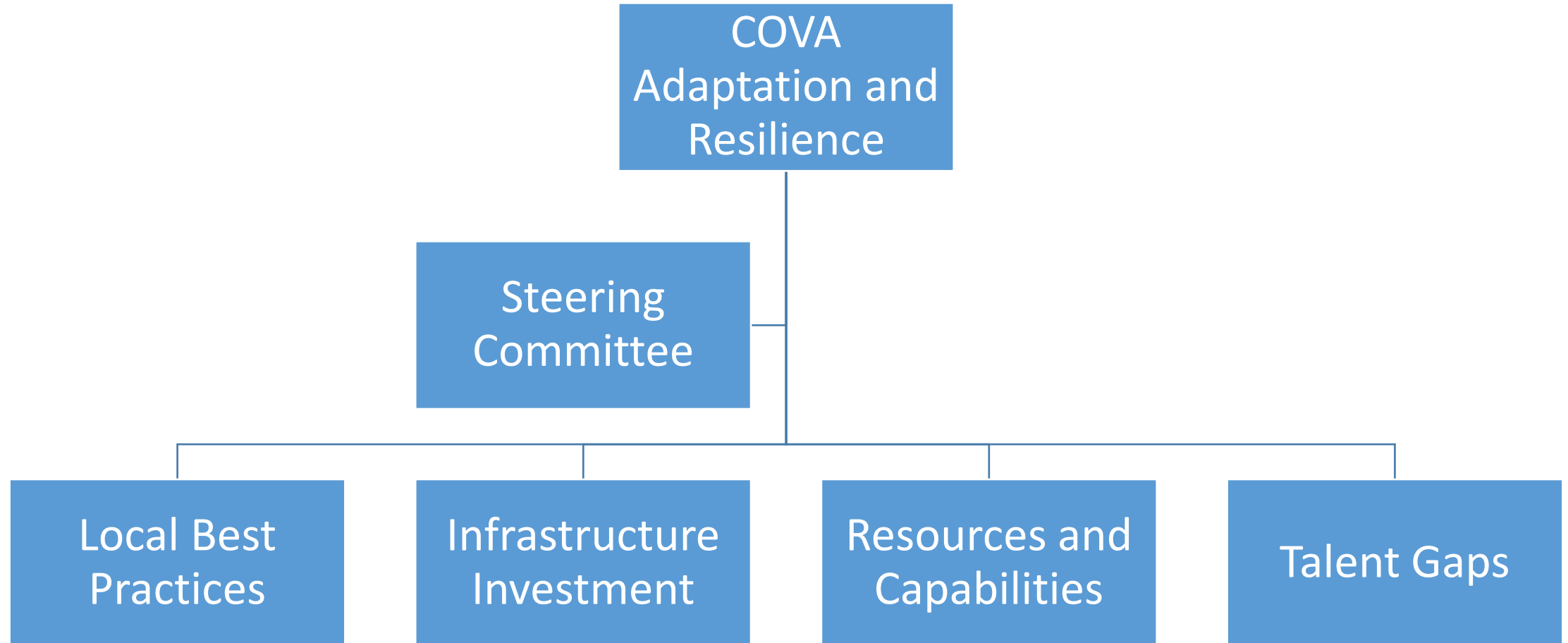
- Build a business consortium in the adaptation and resilience sector to provide:
 - Education
 - Build urban and rural capacity in the sector
 - Develop implementation pathways for priority projects



Coastal Virginia Adaptation & Resilience Consortium

- **Mission:** To grow and diversify the coastal adaptation and resilience sector by preparing business communities for changing environments and rising water levels.
- **Tag Line:** Rising to the challenge of a changing environment.

Consortium Structure



Consortium Goals



- Engage the broader business communities in the resilience and adaptation sector to advance collaboration
- Provide opportunities for growth and diversification of the coastal resilience and adaptation sector
- Prepare businesses for a future with water thru education and best practices
- Catalyze growth in new and existing firms.

Coastal Resilience and Adaptation Consortium



- Project launched in April 2021.
- Currently is a 56 member organizations spanning industry, academia, government, and economic development entities
- Working groups have 120 members

Accomplishments in 2021



Launched steering committee and three of four working groups (Local Best Practices, Infrastructure Opportunities and Resources and Capabilities).

“Consequences of a Major Hurricane Impacting Hampton Roads” Breakfast meeting, September 23, 2021.

Nine working group meetings.

Development of Request for Proposal for website design.

Outreach to the following organizations: Fight the Flood, Associated General Contractors of America, Associated Building Contractors, Design Build Institute of America, Virginia Maritime Association, and Virginia Ship Repair Association

Development of best practices for waterfront industries, and green infrastructure.

Activities planned for 2022



“The Projected Economic Impacts of Future Sea Level Rise and Recurrent Flooding in Coastal Virginia” Breakfast meeting, September 15, 2022 (8:00 am -9:30 am).

Collaboration with Design Build Institute of America: Resilience tour MEGAvention and joint meeting focused on Resilience Investment by localities.

Four working group meetings. Develop and launch Consortium website.

Launched fourth working groups (Talent Gaps).

Outreach to the additional industry organizations: Virginia Manufacturers Association, aquaculture, agriculture and forestry organizations, Virginia Farm Bureau, Virginia Agricultural Business Council, Hampton Roads Association for Commercial Real Estate, and American Institute of Architects.

Best practices related to building codes, shoreline protection strategies, etc.

Steering committee will develop a Consortium continuity strategy.

How can you join get involved?



- Attend the Breakfast: ***“The Projected Economic Impacts of Future Sea Level Rise and Recurrent Flooding in Coastal Virginia”*** Breakfast meeting, September 15, 2022 (8:00 am -9:30 am).
 - Virtual and live attendance possible.
 - Registration link: https://odu.co1.qualtrics.com/jfe/form/SV_9zs228MYRVc0q7I
- Join the Consortium and a working group:
 - < [Coastal Resilience and Adaptation Economy Consortium – Institute for Coastal Adaptation and Resilience \(oduadaptationandresilience.org\)](https://oduadaptationandresilience.org)>.
- Help us connect with industries on the Eastern Shore!

Closing



Questions?

Thank you for this opportunity!

Carol Considine

Director of Applied Projects

Commonwealth Center for Recurrent Flooding Resiliency (CCRFR)

Institute for Coastal Adaptation and Resilience (ICAR)

Old Dominion University

E-mail: cconsidi@odu.edu

This project was funded in part by GO VIRGINIA, a state-funded initiative administered by the Virginia Department of Housing and Community Development (DHCD) that strengthens and diversifies Virginia's economy and fosters the creation of higher wage jobs in strategic industries.



VIRGINIA INITIATIVE FOR
**GROWTH &
OPPORTUNITY**
IN EACH REGION

Region 5 Priority Industry Clusters

- **Advance Manufacturing**
- **Cybersecurity/Data Analytics/Model-Sim**
- **Logistics/Port Operations/Warehousing**
- **Shipbuilding and Repair**
- **Water Technologies**
- **Unmanned Systems and Aerospace**

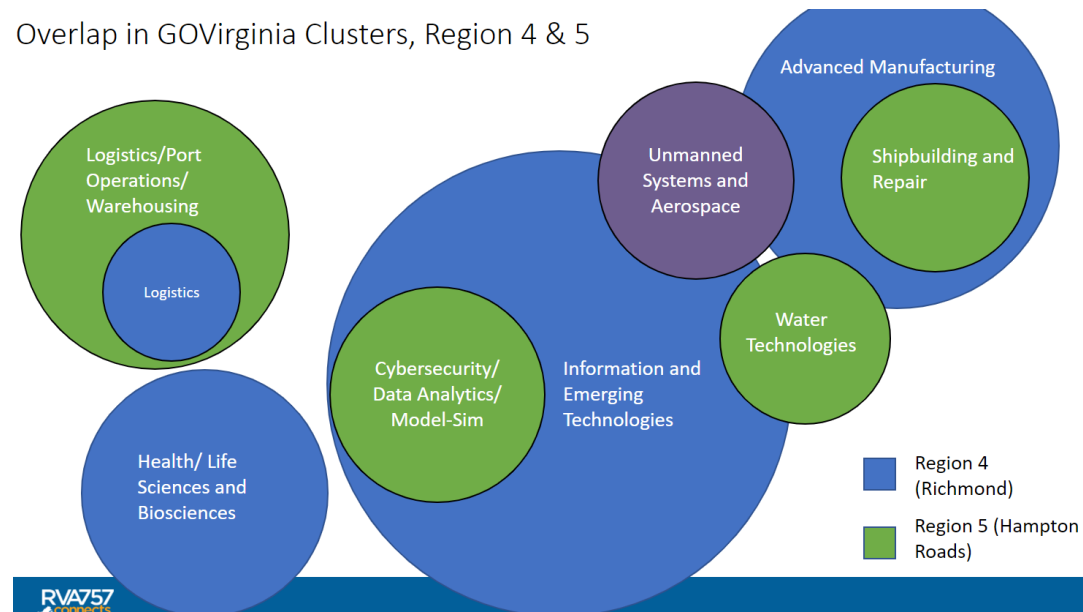
Region 6 Priority Industry Clusters

- **Aquaculture, Commercial Fishing and Seafood Processing**
- **Forestry/Wood Products/Paper**
- **IT and Data Centers**
- **Logistics and Distribution**
- **Manufacturing**
- **Professional Services**

Why focus on Coastal Resilience and Adaptation?

Overlap in Go Virginia Clusters, Region 4 & 5

Overlap in GOVirginia Clusters, Region 4 & 5



Top Industries by Employment I-64 Innovation Corridor

Industry	Empl 2020Q3	Avg Ann Wages	LQ
Ship and Boat Building	41,480	\$75,665	24.20
National Security and International Affairs	30,434	\$90,470	5.19
Management of Companies and Enterprises	34,044	\$116,114	1.52
Justice, Public Order, and Safety Activities	31,183	\$59,833	1.69
Architectural, Engineering, and Related Services	23,412	\$83,383	1.49
Non-depository Credit Intermediation	19,636	\$125,014	3.48