Environmental Literacy and Workforce Development

2014-2017 Impacts and Accomplishments

- More than 300 educators and professionals improved their Deepwater Horizon Oil Spill content knowledge by participating in webinars, ceremonies, and classroom activity demonstrations.

- More than 30 educators participated in student-focused competitions that reached approximately 750 students and 500 teachers and adult volunteers.

- During the 2014-2017 reporting period, MASGC-supported students earned 4.5 Ph.D. degrees, 8.5 master's degrees, and 2 Juris Doctorate degrees across five areas.


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- More than 360 education professionals improved their Deepwater Horizon Oil Spill content knowledge by participating in webinars, ceremonies, and classroom activity demonstrations.

- The Gulf of Mexico Sea Grant program focused on sustaining fisheries, current coastal research, oil spill impacts and resilience, increasing environmental literacy and knowledge of healthy coastal ecosystems, fisheries, and coastal resilience through MASGC-supported field experiences, workshops, and educational programs.

- The Gulf of Mexico Sea Grant programs implemented a regional oil spill science outreach program, delivered science extension products to thousands of people throughout the nation and earned a funding reauthorization.

- Multiple workshops and educational units delivered oil spill science extension information to make informed decisions.

- In less than four years, a regional oil spill science outreach program materialized to become a trusted resource for anyone with spill science, successfully engaging with the target audiences who seek credible oil spill information.

- In support of HS/L students engaged in a healthy Gulf of Mexico turned to MASGC for answers to their questions about oil spill impacts and response, which dispelled misperceptions that caused anxiety and uncertainty.

- A regional oil spill science outreach program addressed audience needs and created and delivered science extension products to thousands of people in the Gulf of Mexico region.

- MASGC-supported outreach programs enabled the team to improve efficiency and consistently produce a variety of outreach products to address audience needs.

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- The Mississippi-Alabama Oyster Trail raised awareness and funds for MASGC's Mobile Bay Oyster Gardening Programs restoration efforts.

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- More than 74,000 Gulf residents and visitors learned about Gulf habitats and organisms during a popular outdoors show on a PBS TV station in Pensacola, Florida, a morning TV news station in Mobile, Alabama, and a Mississippi TV station.

- The Mississippi-Alabama Sea Grant Consortium created short videos about coastal issues, sustainability, and Workshop Development.

- Almost 12,000 students and teachers increased their awareness of coastal science, ecosystems, and natural resources, and environmental issues through MASGC-supported educational programs.

- Student and teacher-integrated learning opportunities were created by existing science and math curricula through MASGC-supported workshops, and sites visited focused on hands-on aquascience activities in the classroom.

- Between 2014 and 2017, MASGC-supported education programs reached more than 1,500 educators who teach in professional development programs.

- Almost 70,000 K-12 students who participated in off-site field-based programs, and more than 70,000 K-12 students who participated in off-site field-based programs.

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- During the period 2014-2017, more than 10,000 P-12 students increased their environmental literacy and understanding of healthy coastal ecosystems.

- Approximately 1,000 teachers and educators engaged in events focused around robotic marine technologies and autonomous underwater vehicles at MASGC-supported education facilities.

- Students and teachers integrated learning opportunities into existing science and math curricula through MASGC-supported workshops, and sites visited focused on hands-on aquascience activities in the classroom.

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